

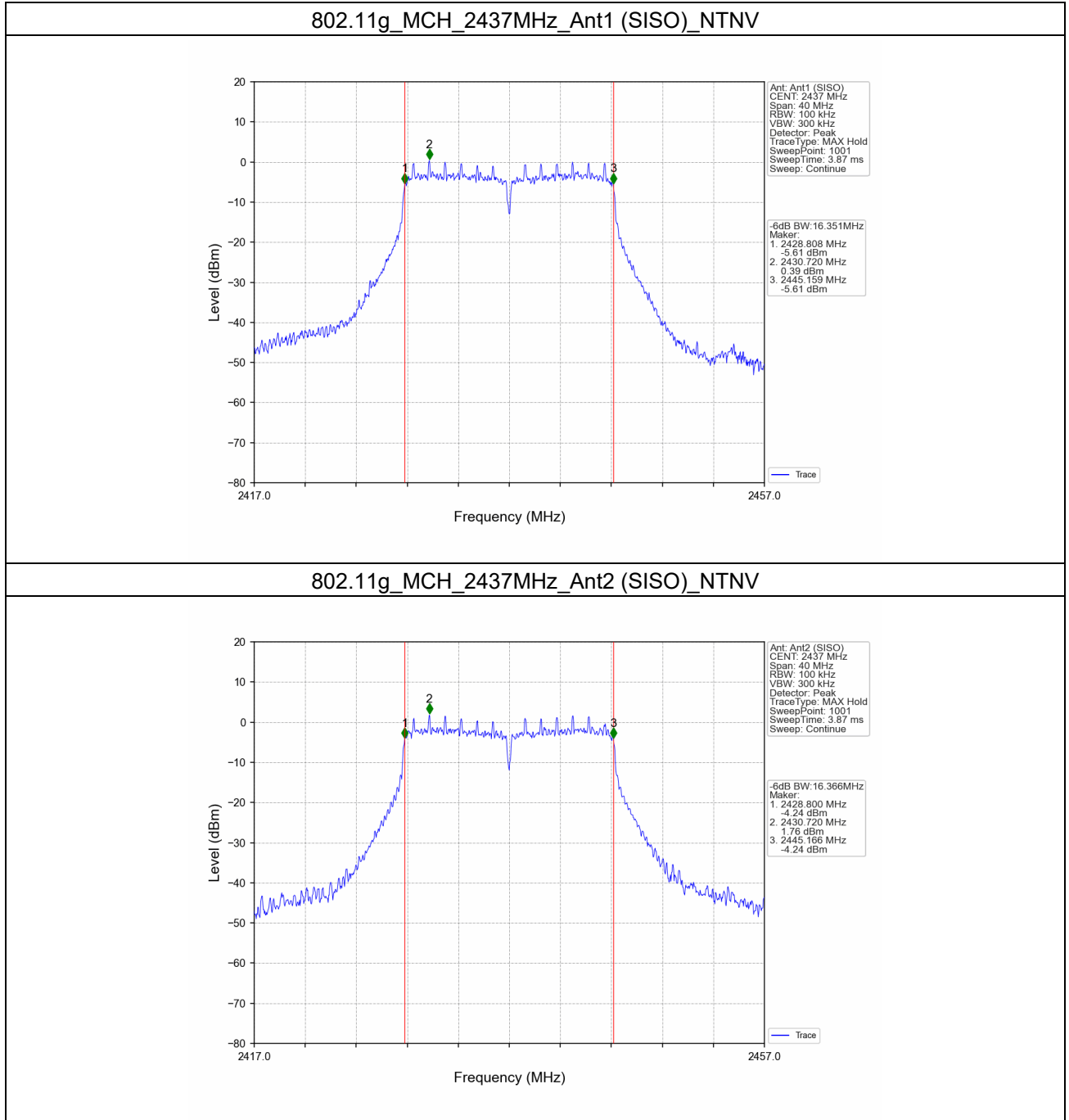
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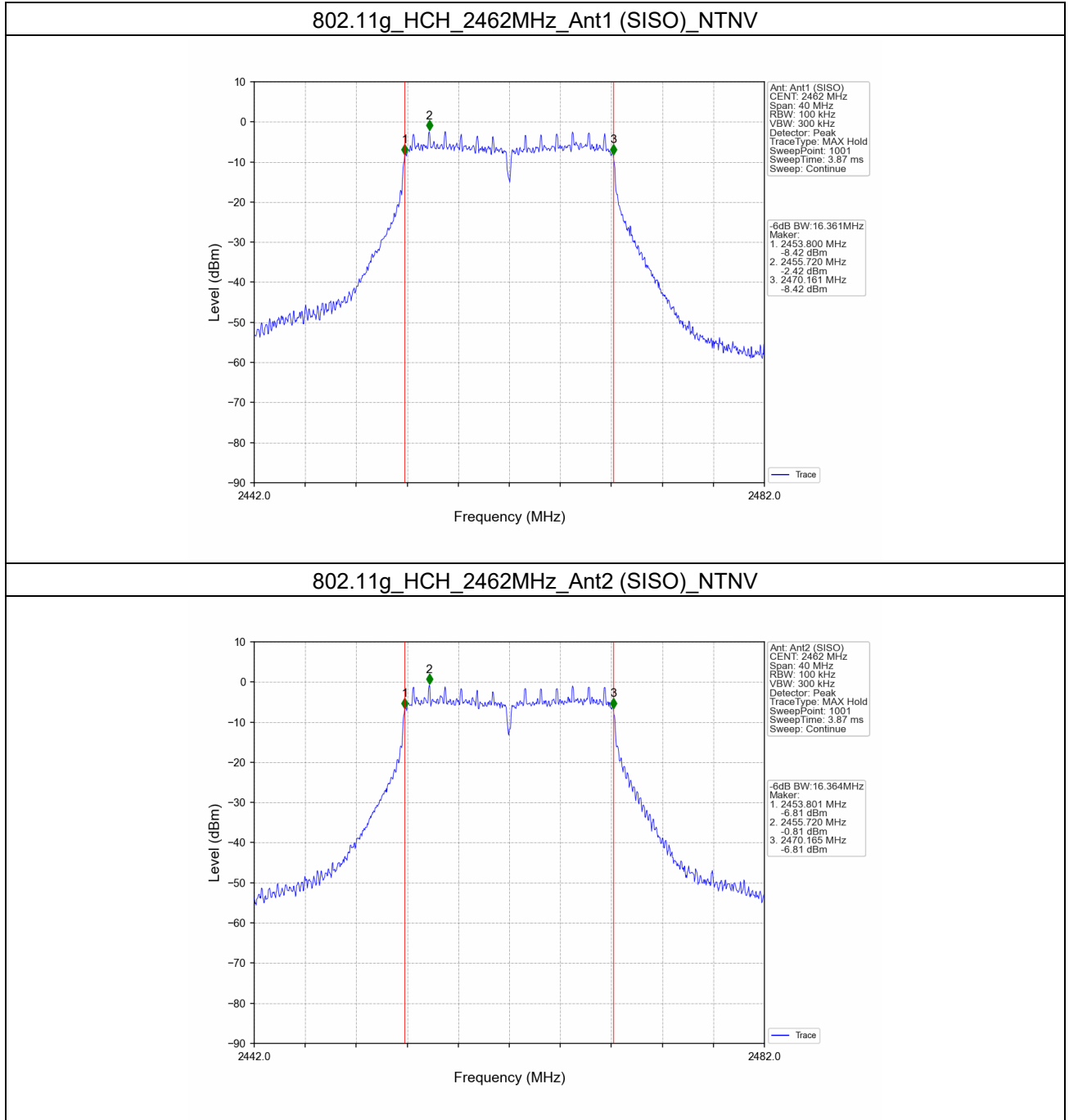
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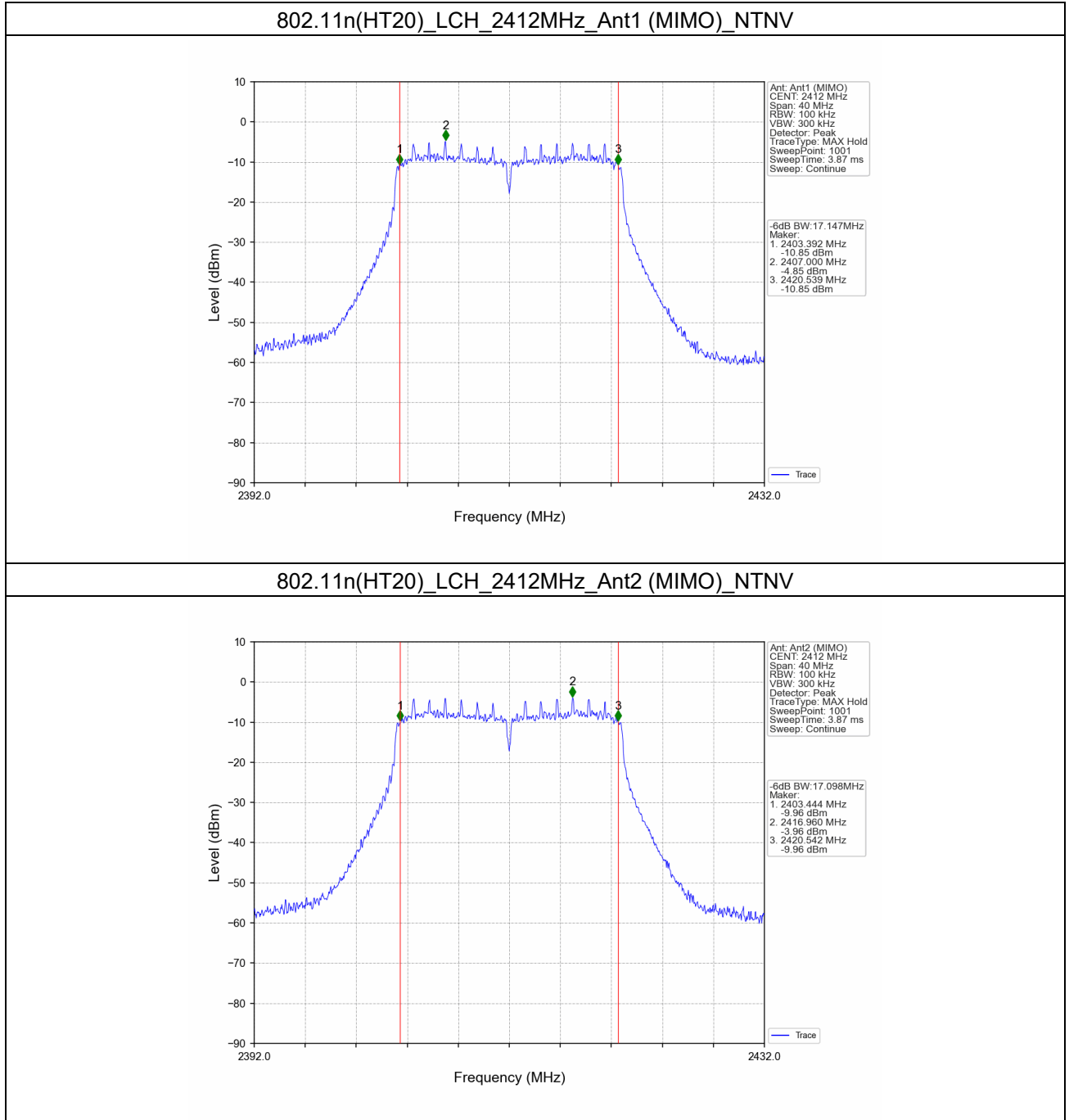
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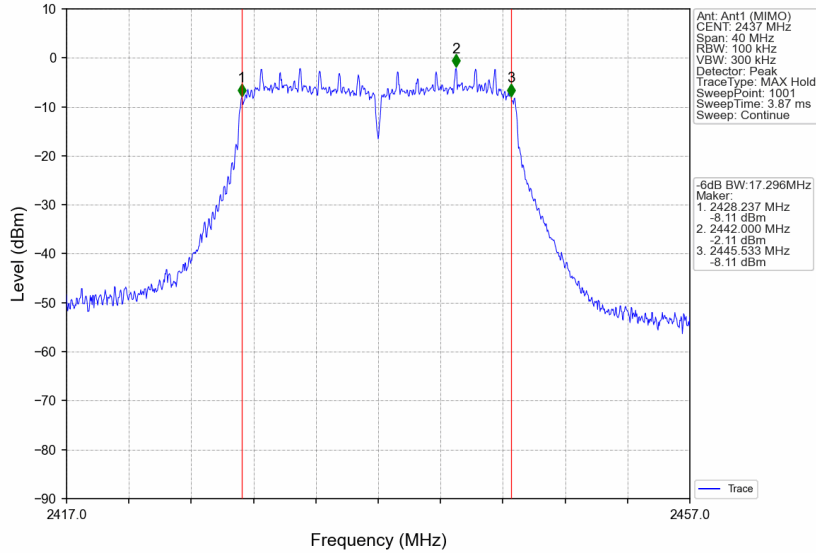
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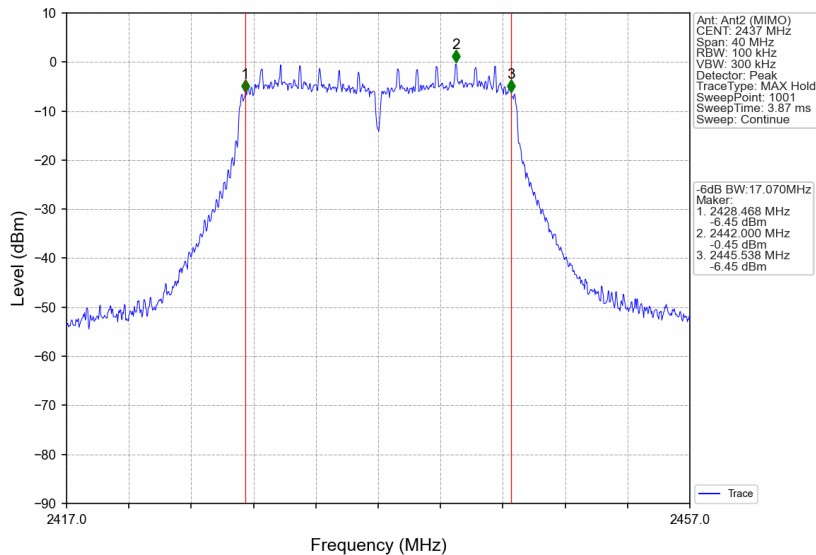
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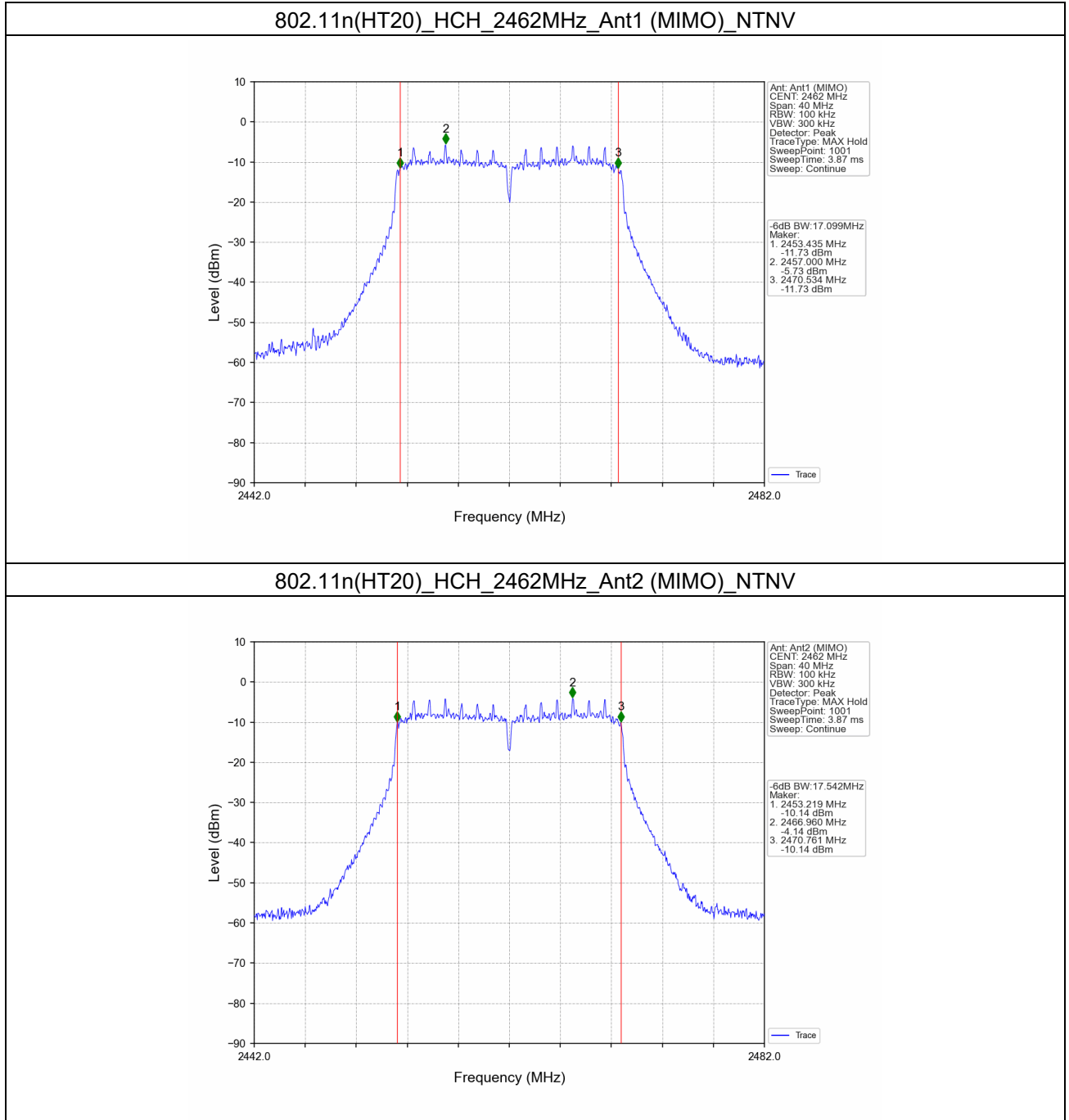
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



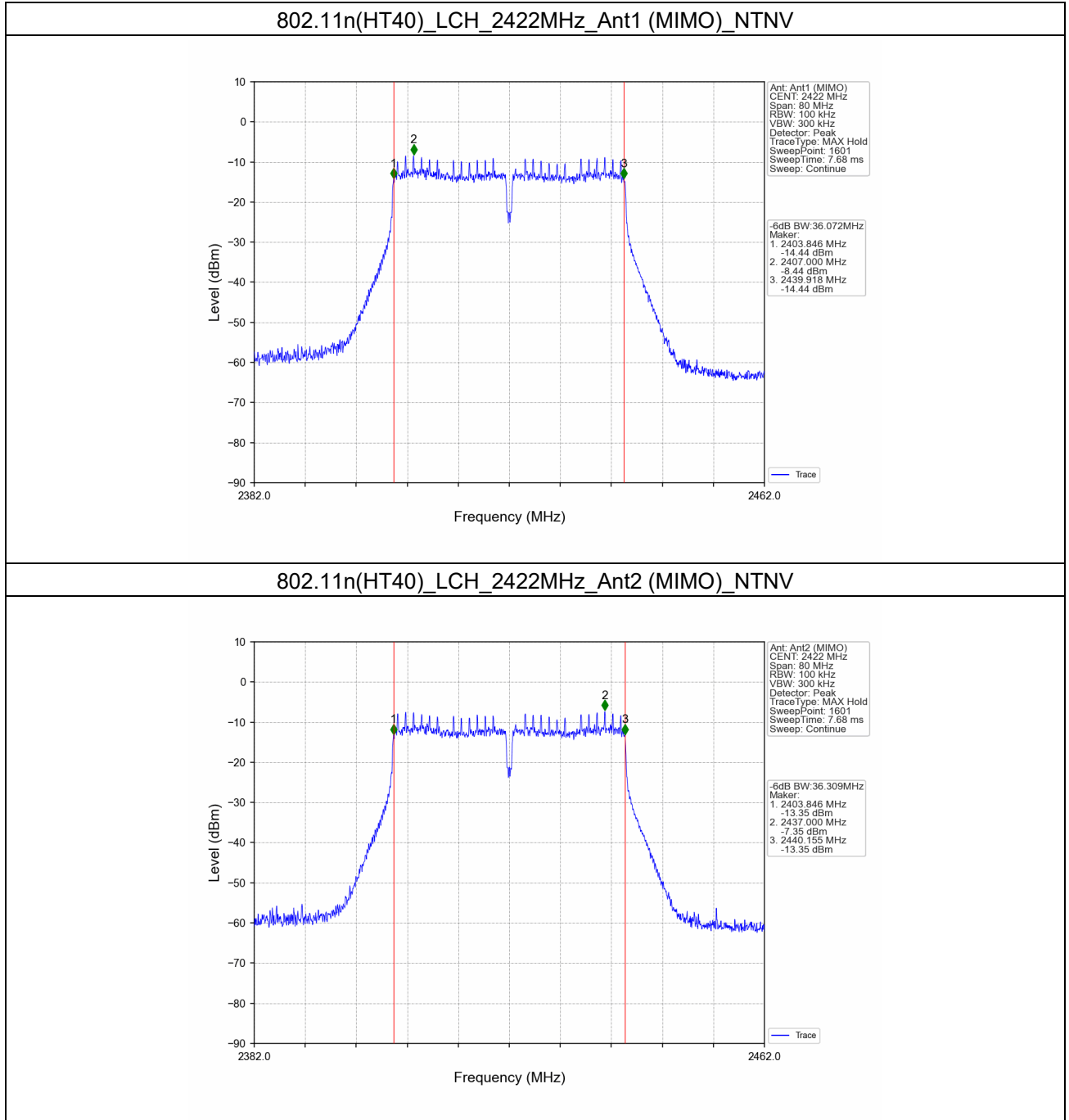
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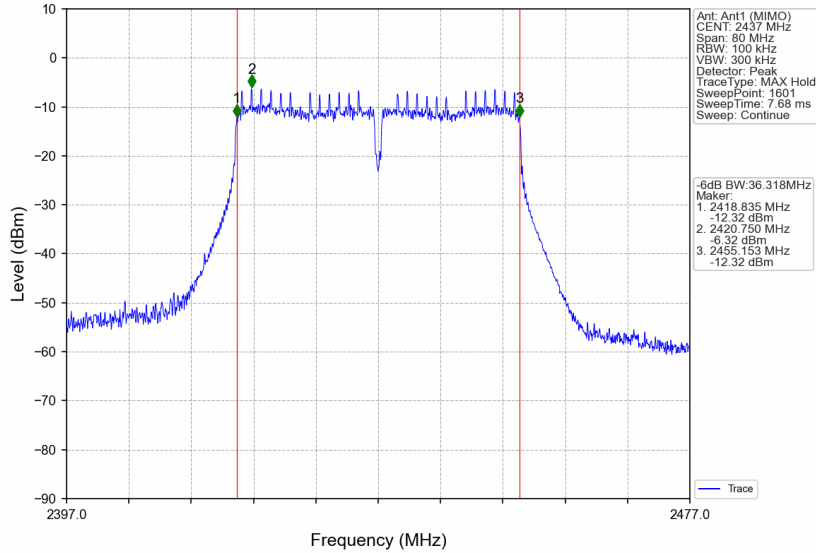
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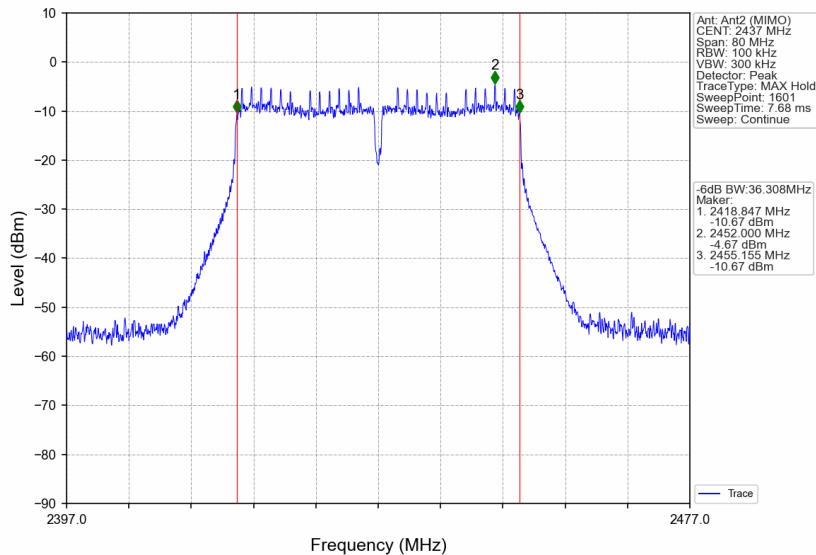
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



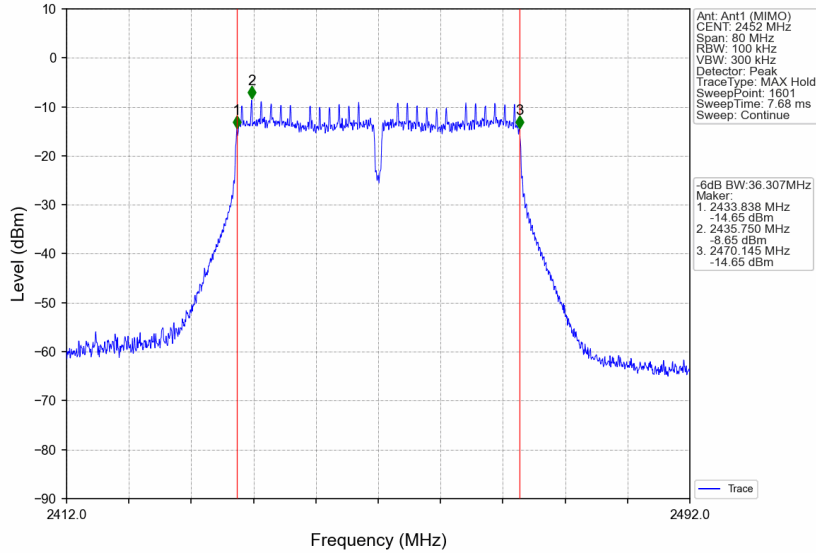
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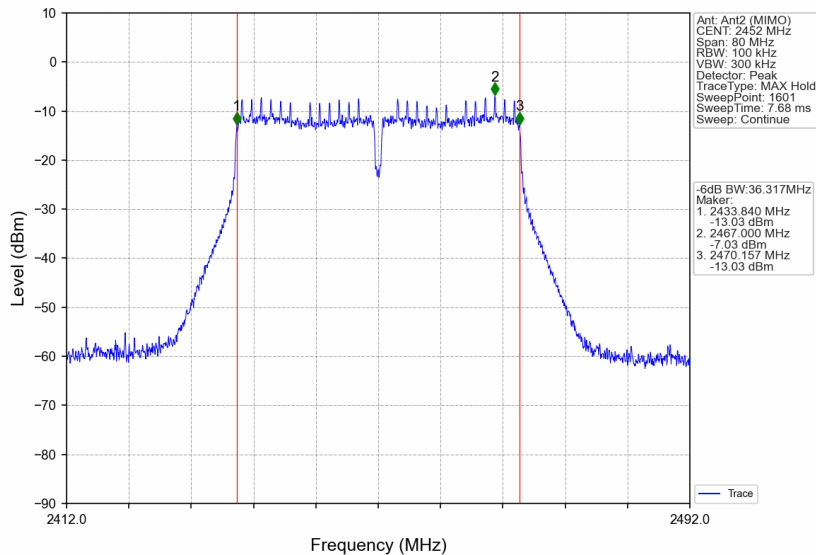
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	11.52	12.77	/	<=30	Pass
		2437	11.18	12.61	/	<=30	Pass
		2462	11.46	12.99	/	<=30	Pass
802.11g	SISO	2412	7.74	8.91	/	<=30	Pass
		2437	11.16	12.61	/	<=30	Pass
		2462	8.57	10.07	/	<=30	Pass
802.11n (HT20)	MIMO	2412	5.88	6.93	9.45	<=28.63	Pass
		2437	8.81	10.29	12.62	<=28.63	Pass
		2462	5.16	6.79	9.06	<=28.63	Pass
802.11n (HT40)	MIMO	2422	5.15	6.36	8.81	<=28.63	Pass
		2437	7.54	9.01	11.35	<=28.63	Pass
		2452	5.10	6.68	8.97	<=28.63	Pass

Note1: Antenna Gain: Ant1: 4.17dBi; Ant2: 4.54dBi;
 Note2: Directional Gain: 7.37dBi

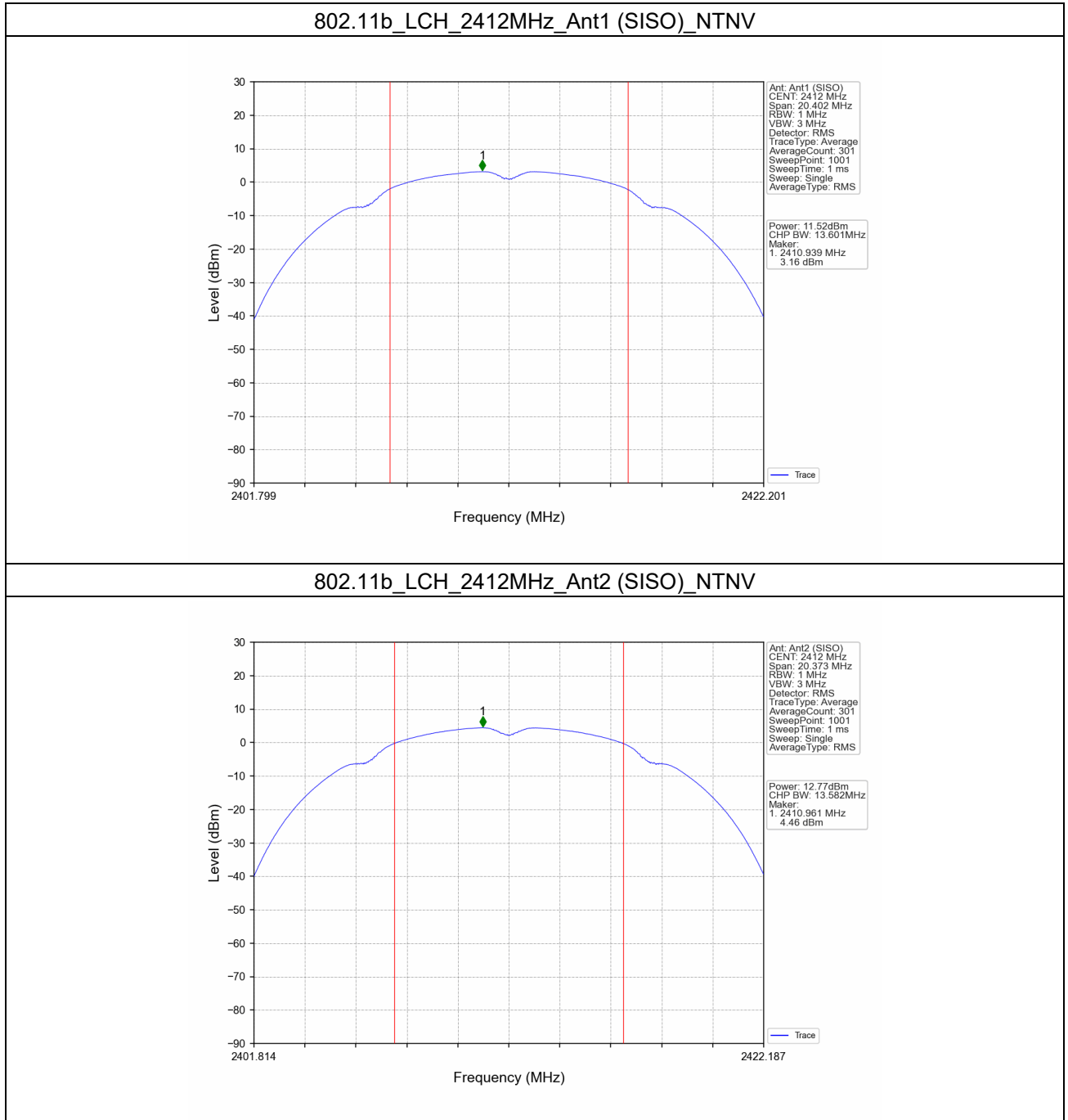


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3.1.2 Test Graph



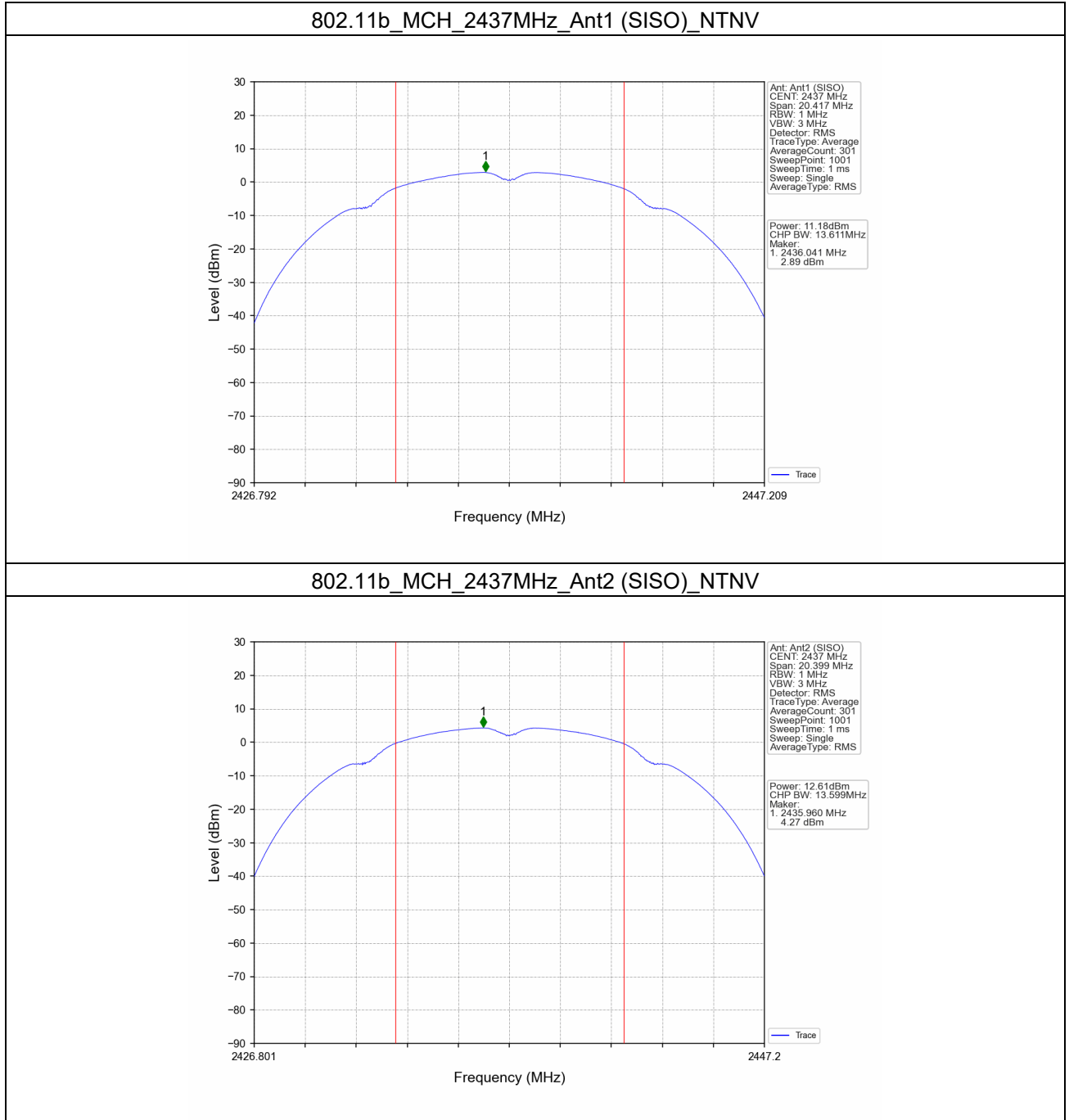
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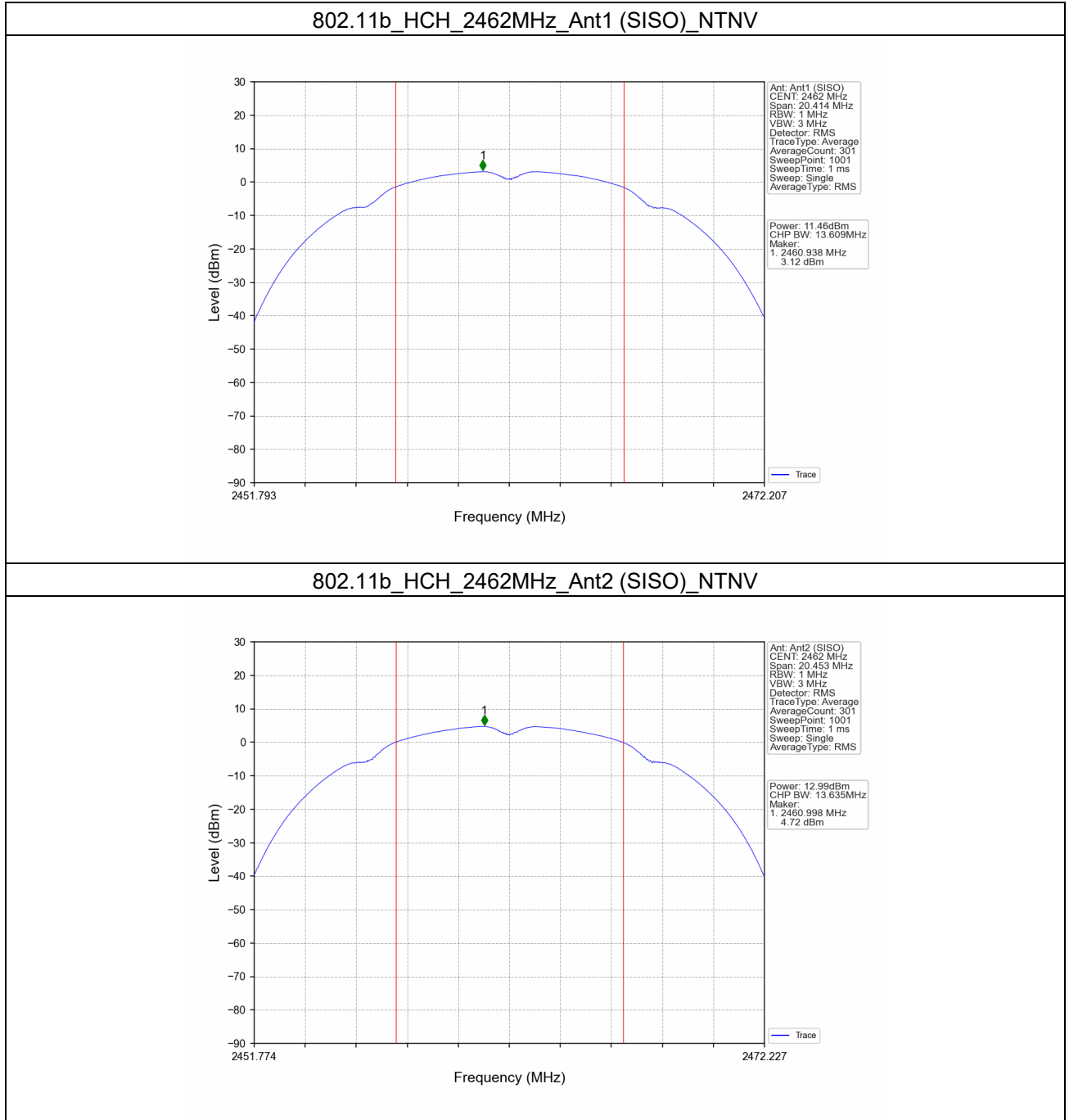
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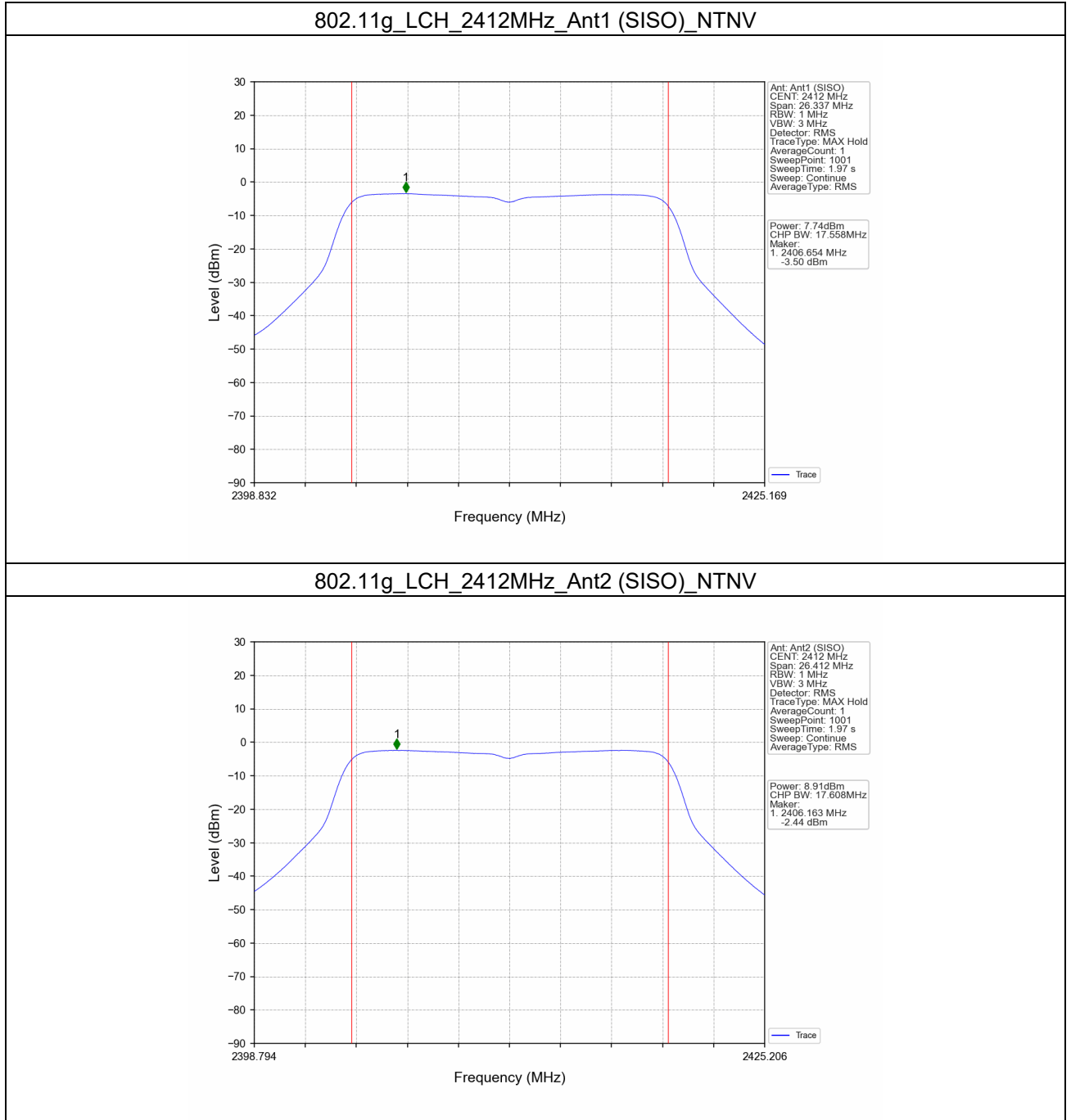
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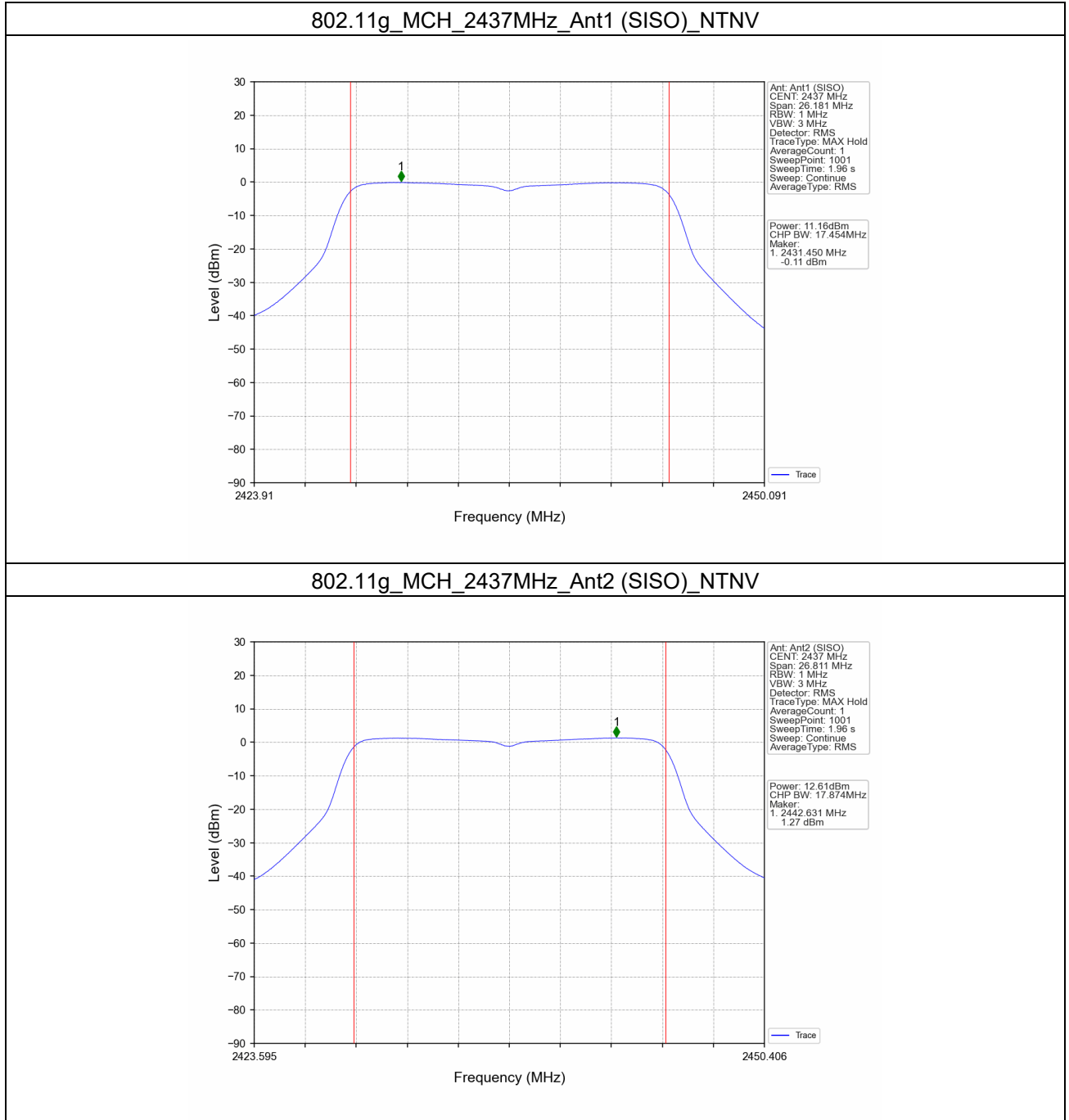
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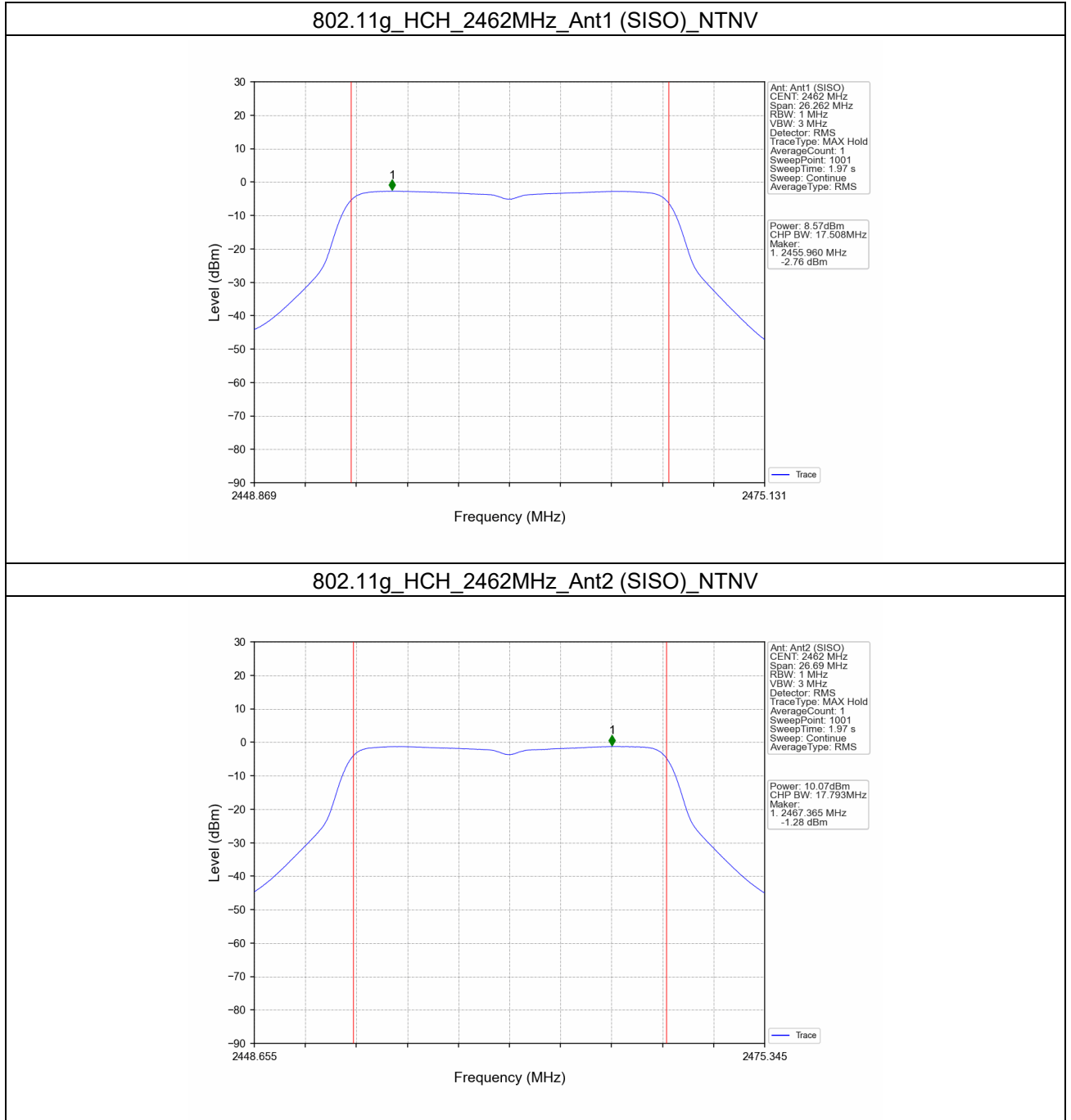
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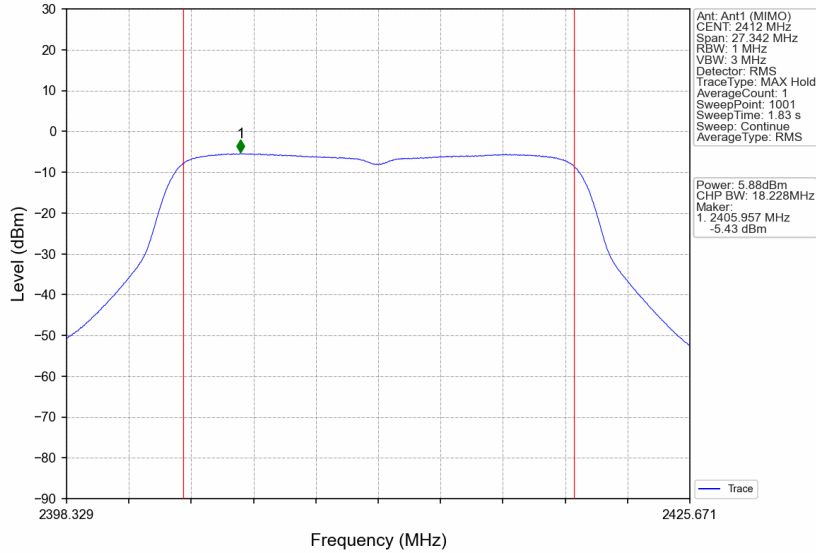
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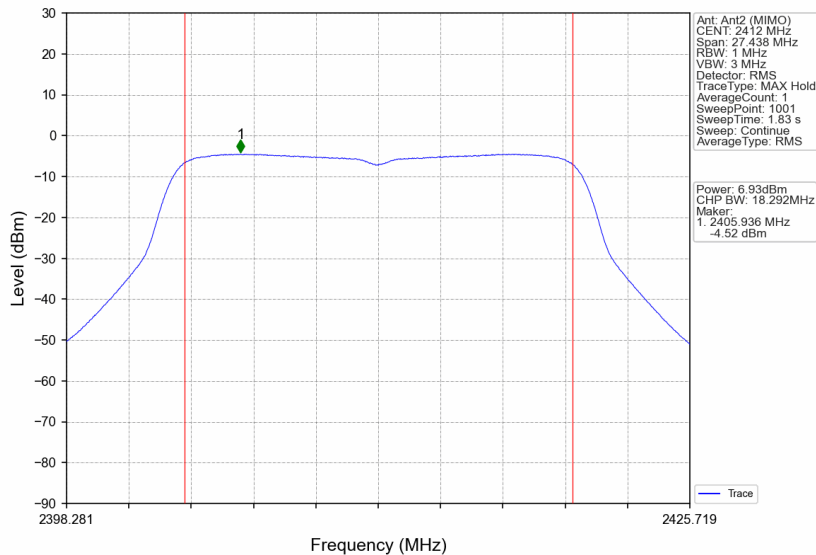
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

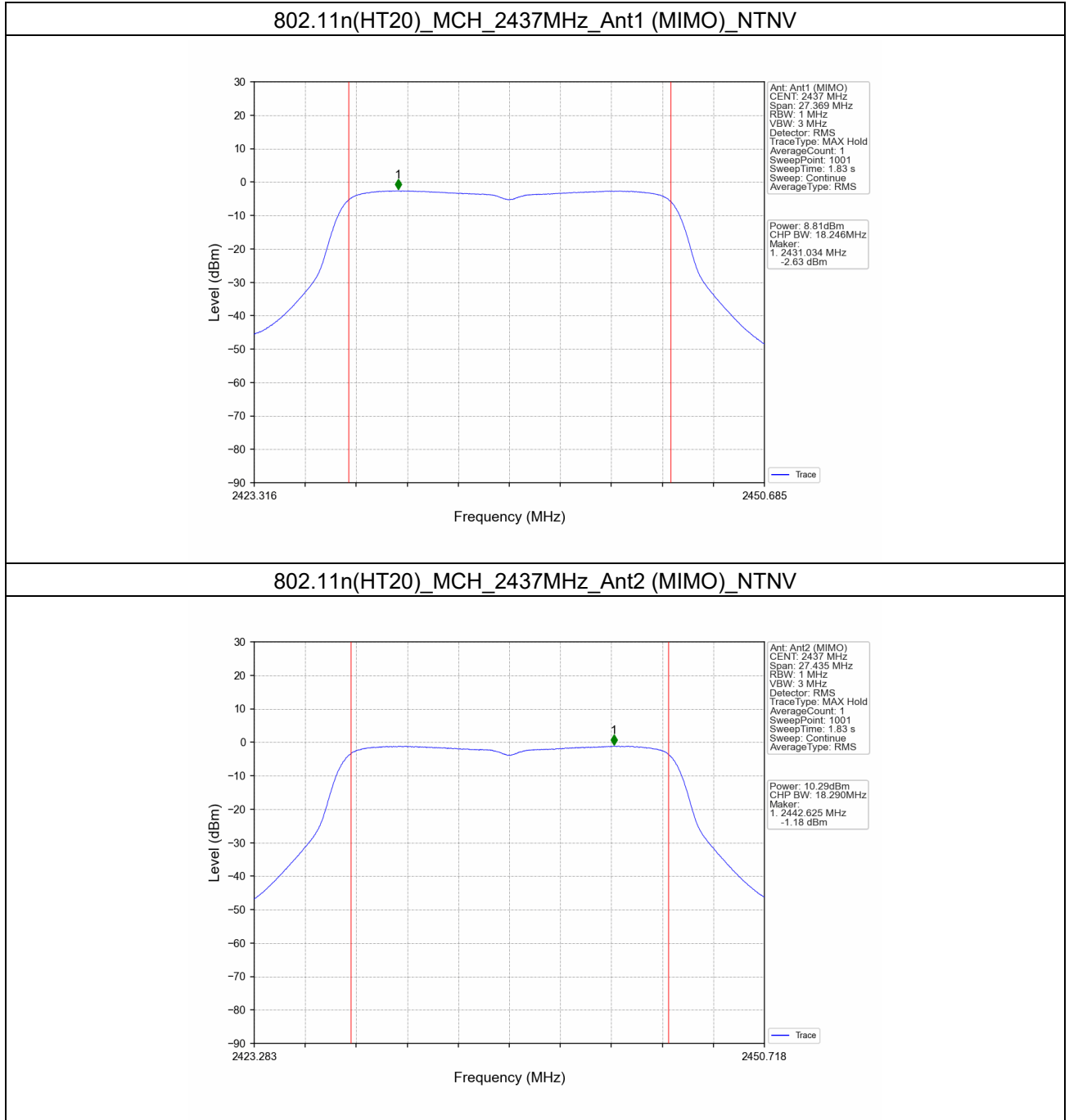


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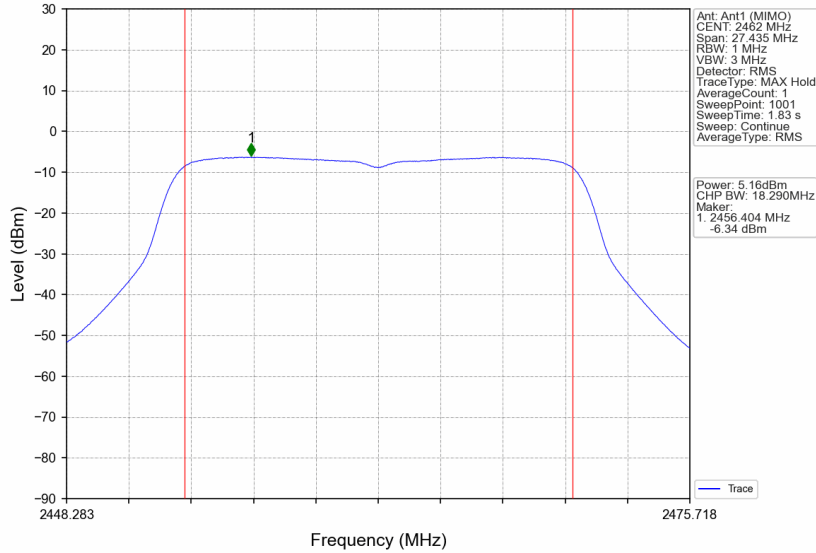
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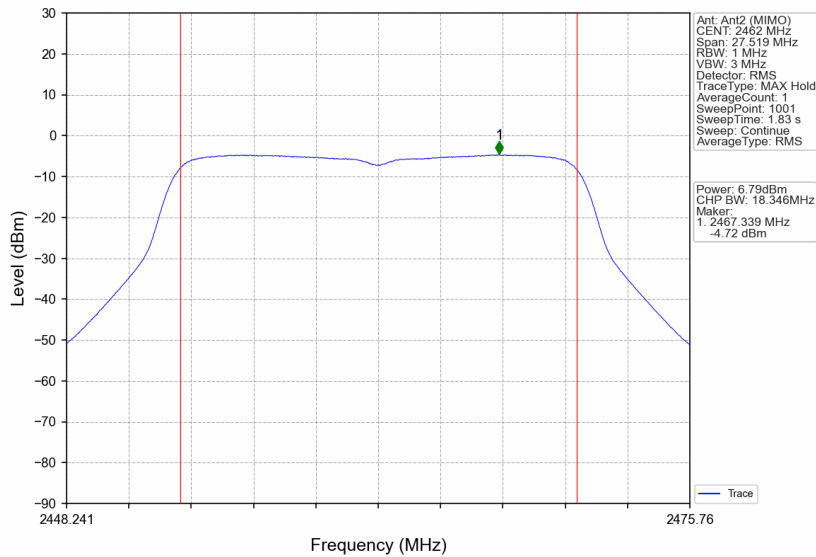
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



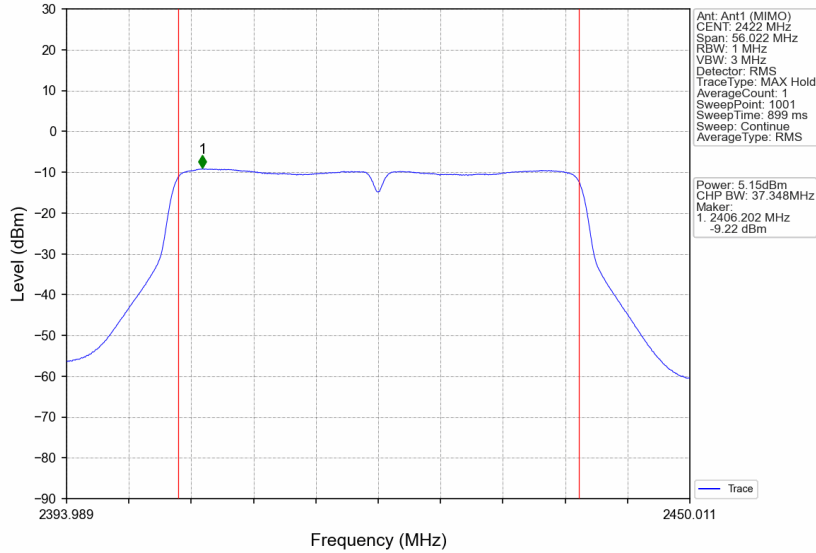
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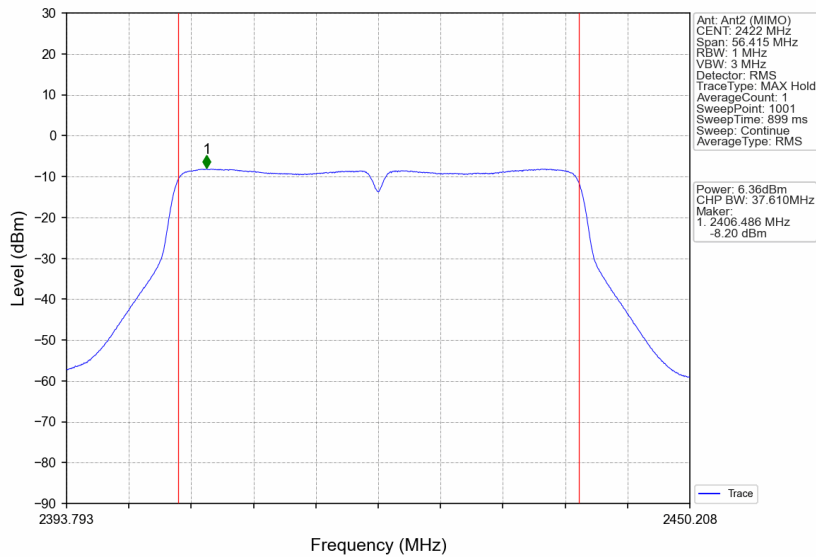
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802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



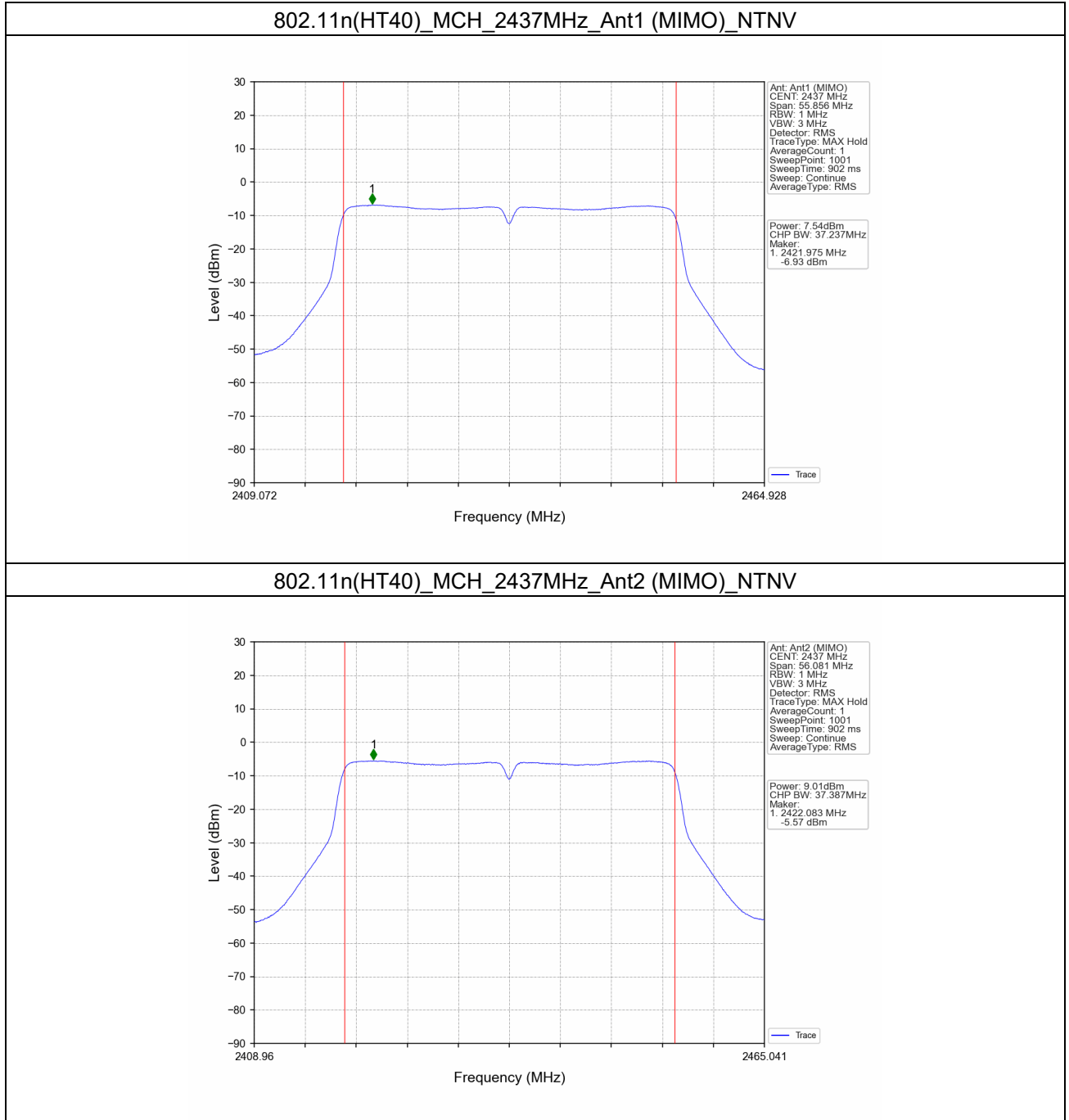
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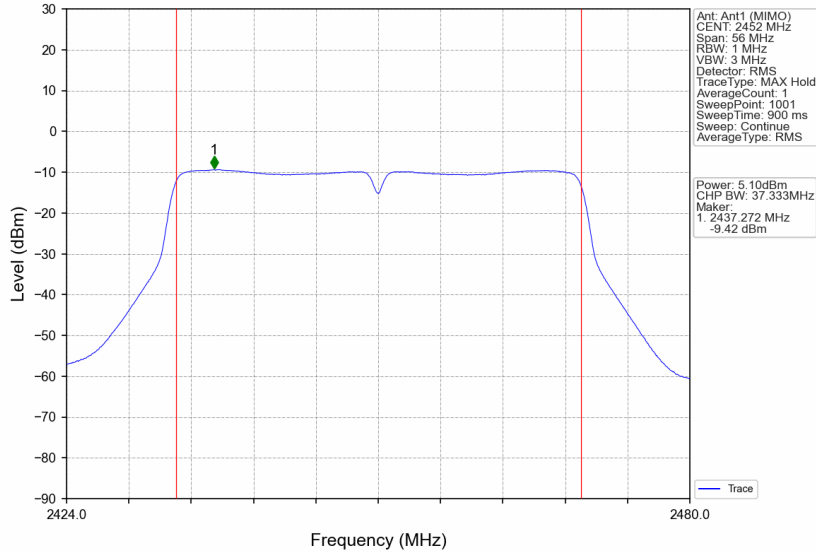
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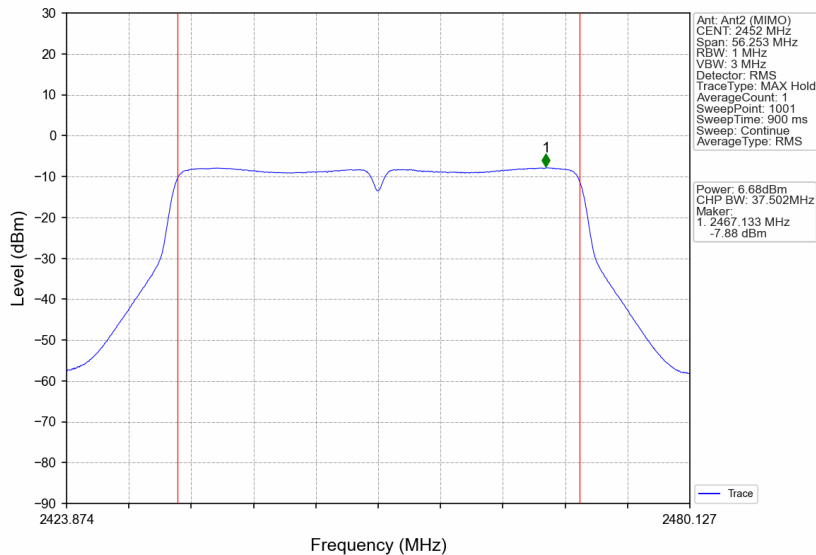
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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

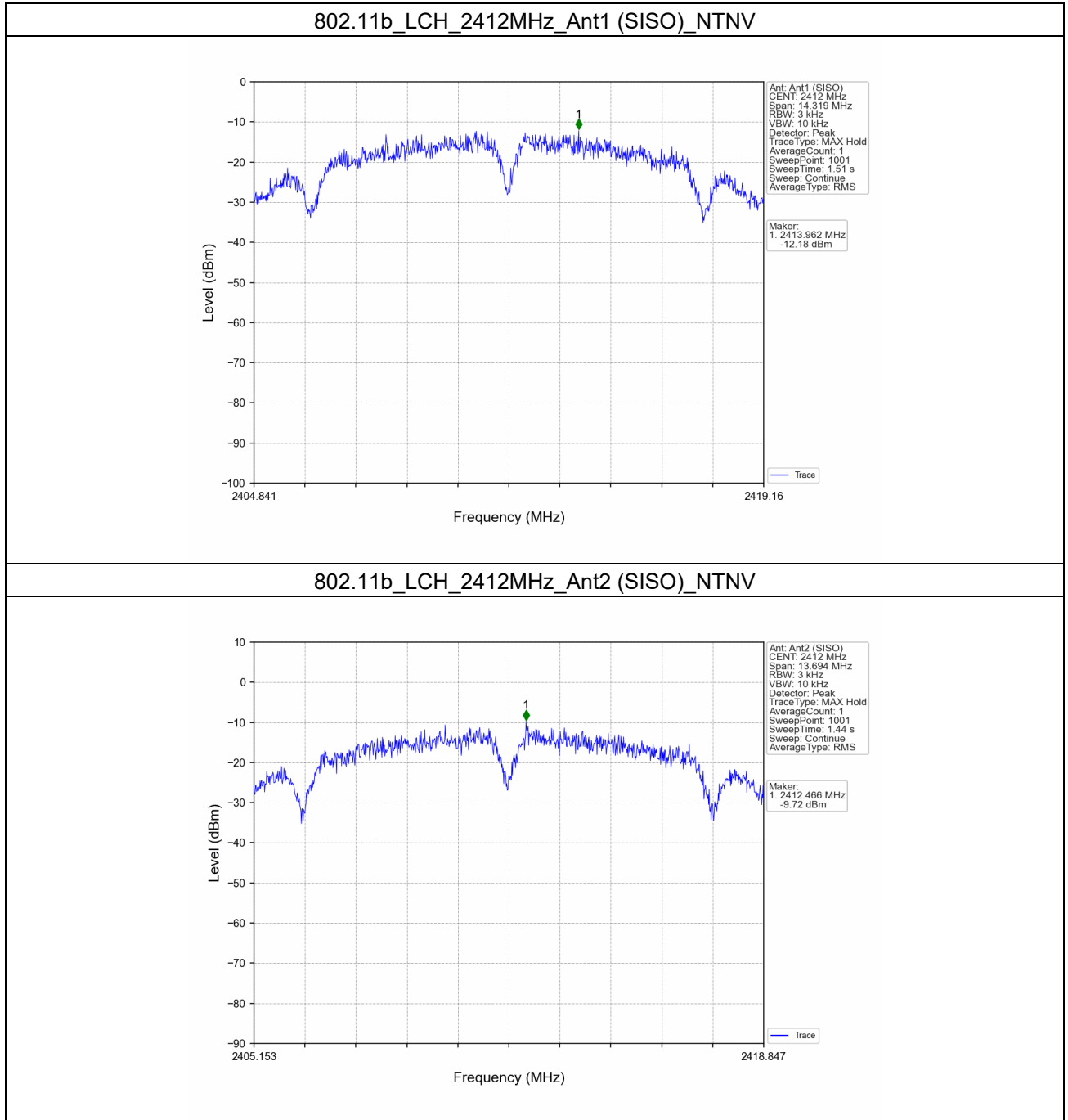
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-12.18	-9.72	/	<=8	Pass
		2437	-12.28	-10.02	/	<=8	Pass
		2462	-10.74	-10.22	/	<=8	Pass
802.11g	SISO	2412	-17.76	-16.12	/	<=8	Pass
		2437	-14.30	-12.65	/	<=8	Pass
		2462	-16.75	-15.65	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-20.10	-18.74	-16.50	<=6.63	Pass
		2437	-16.12	-14.49	-13.77	<=6.63	Pass
		2462	-19.27	-17.01	-16.49	<=6.63	Pass
802.11n (HT40)	MIMO	2422	-24.23	-22.28	-20.76	<=6.63	Pass
		2437	-20.23	-18.57	-16.32	<=6.63	Pass
		2452	-23.74	-21.76	-19.84	<=6.63	Pass

Note1: Antenna Gain: Ant1: 4.17dBi; Ant2: 4.54dBi;
 Note2: Directional Gain: 7.37dBi



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4.1.2 Test Graph



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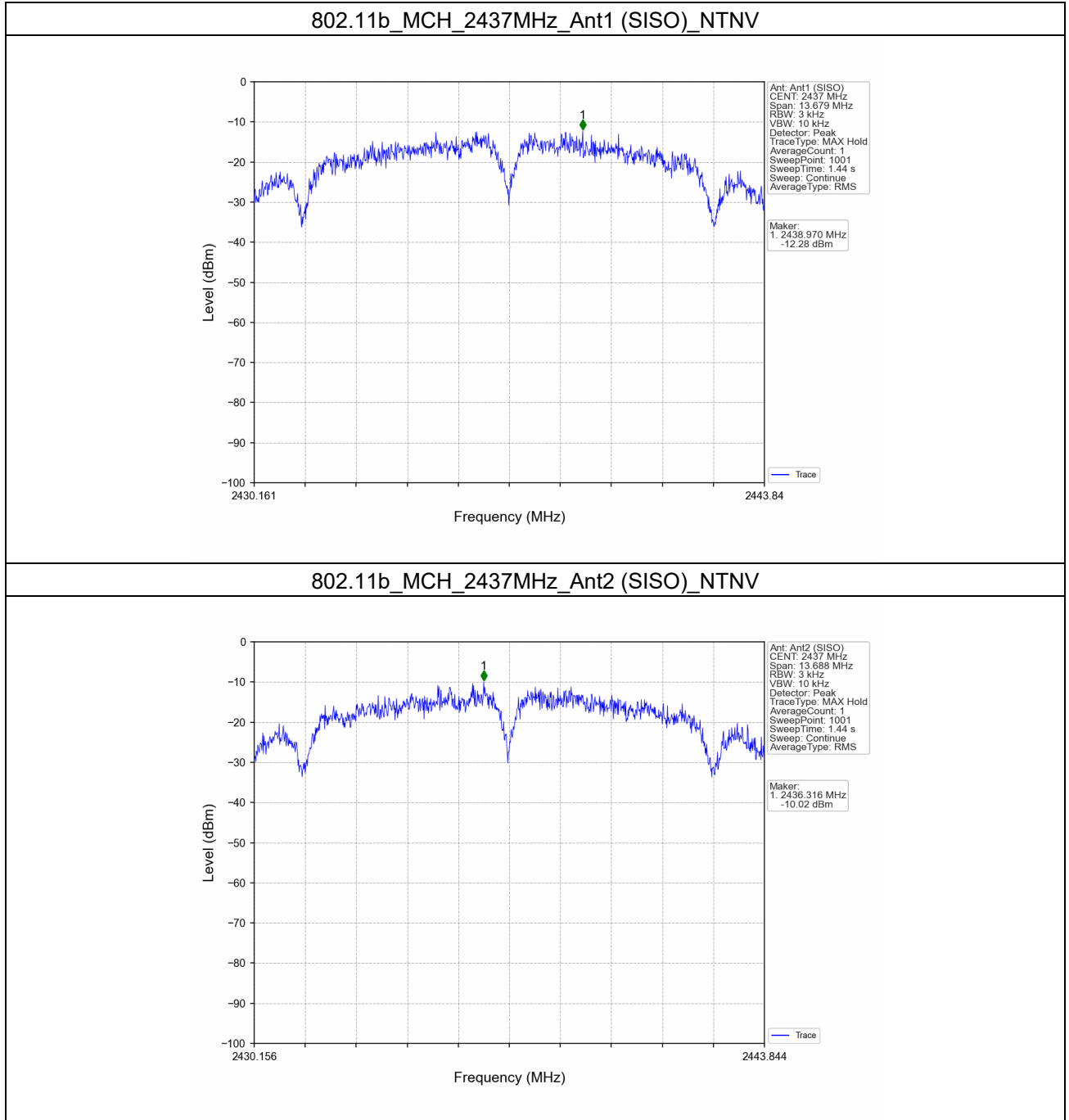
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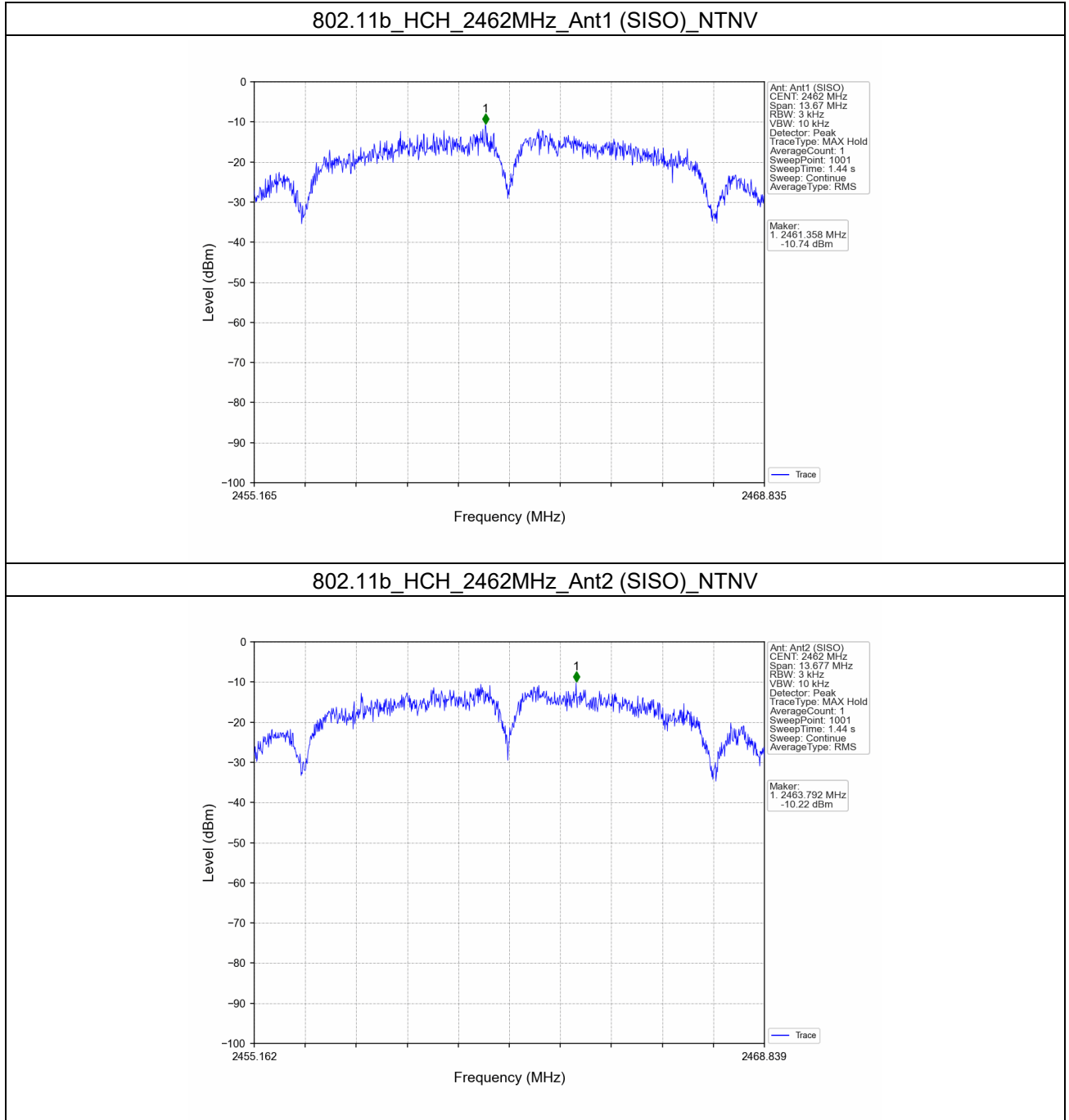


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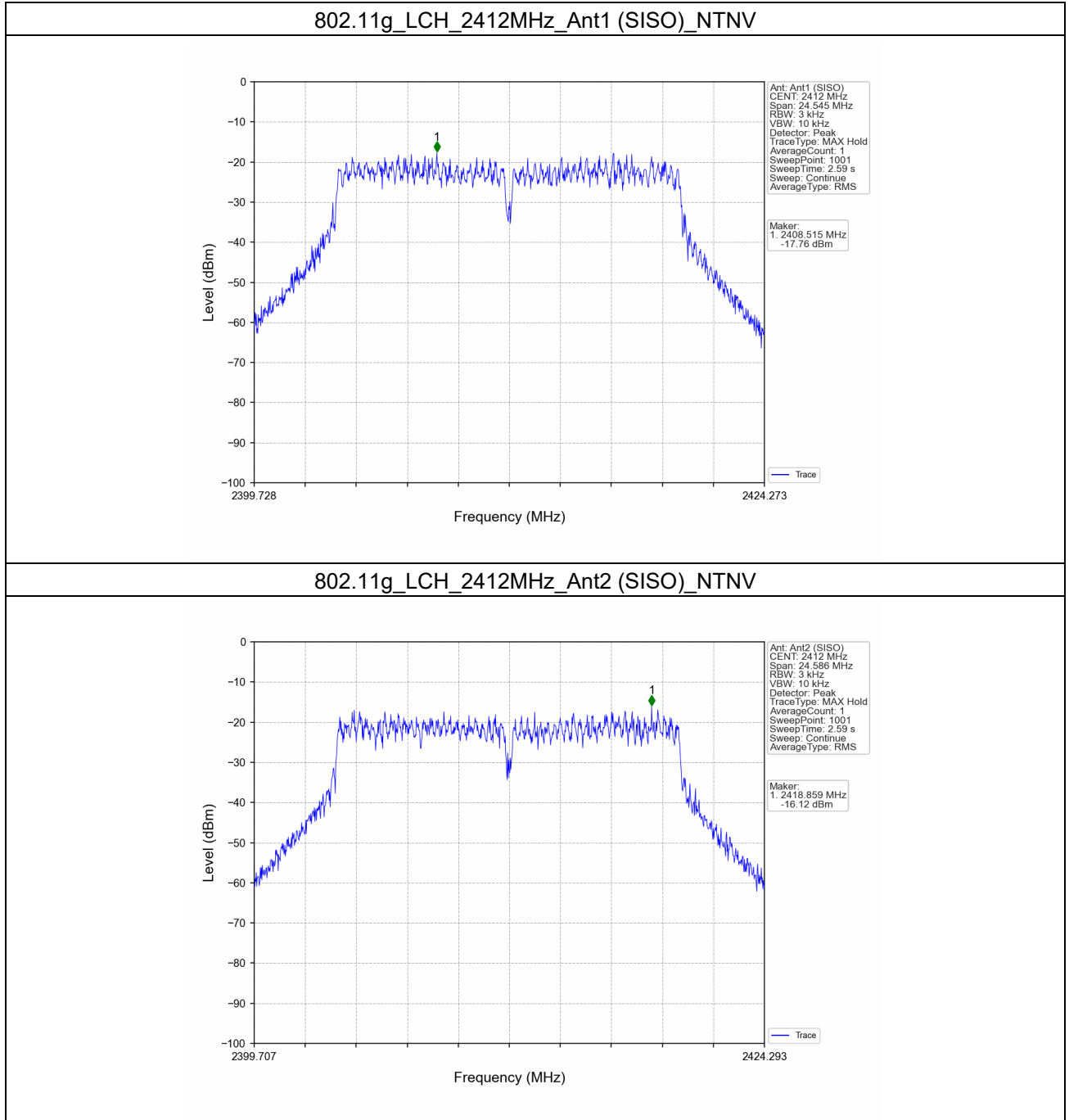


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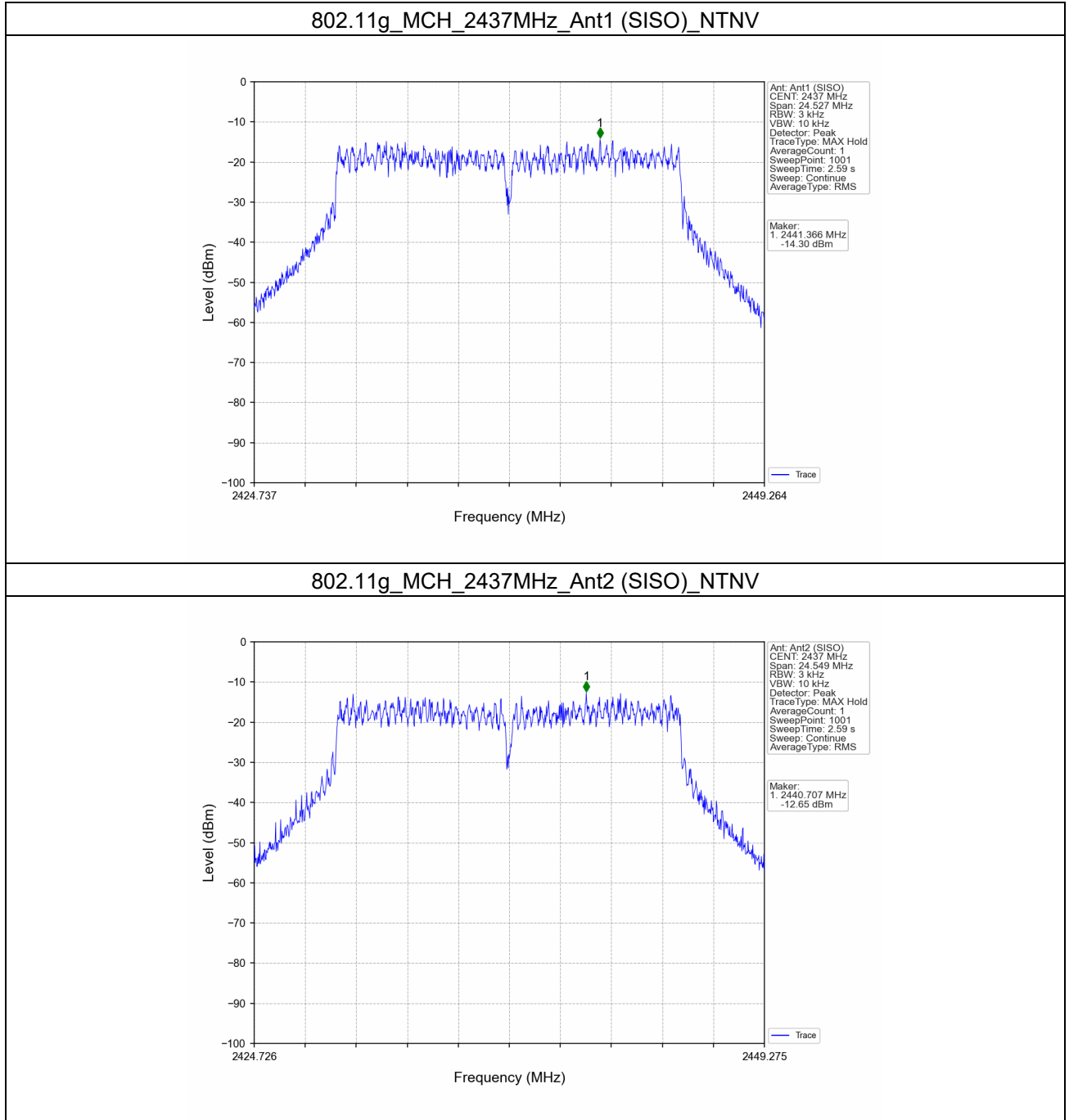
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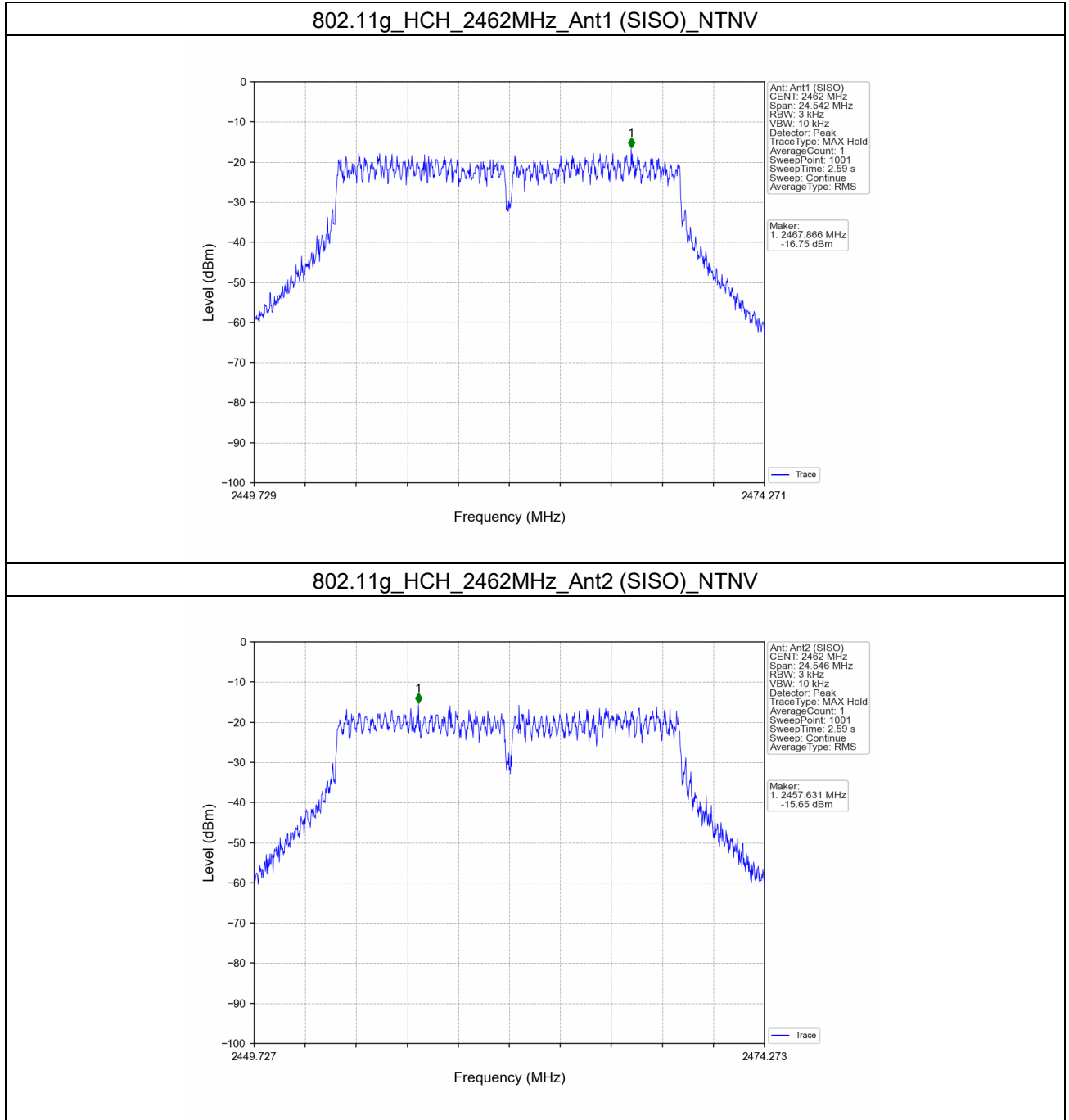
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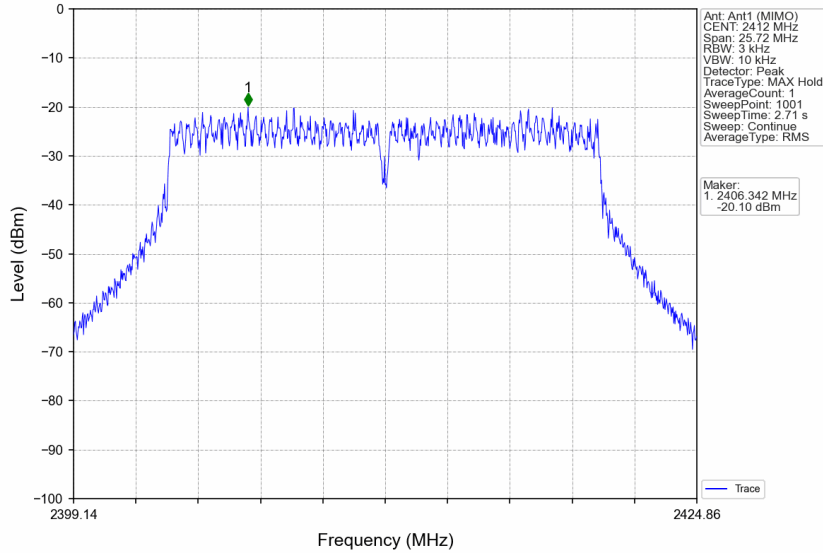
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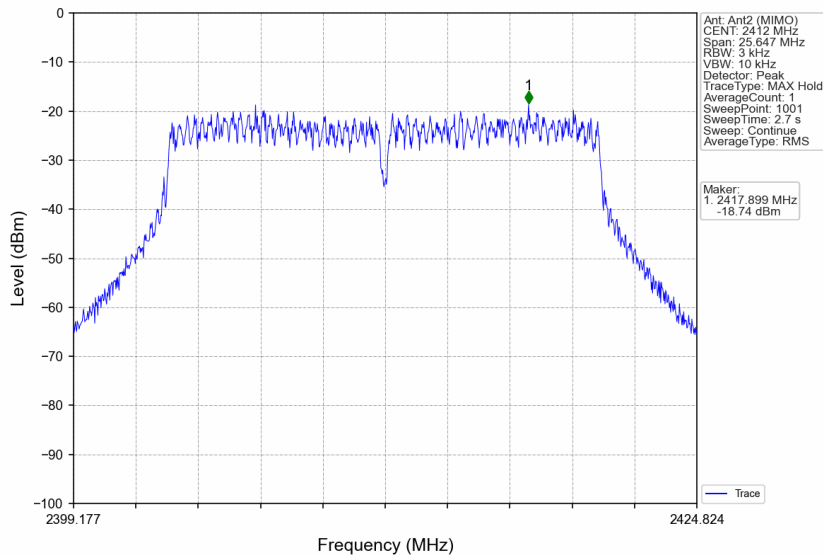
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



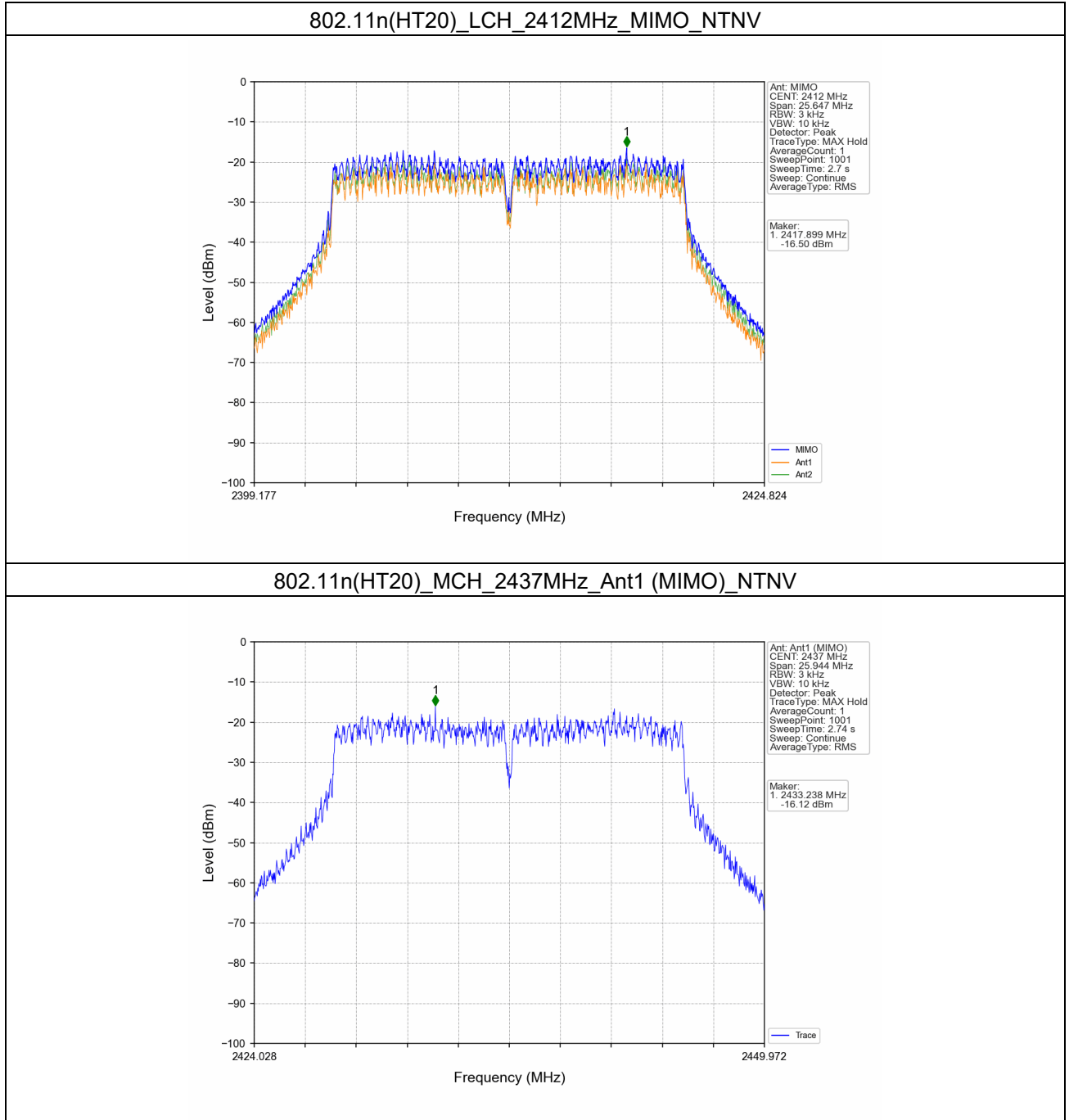
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



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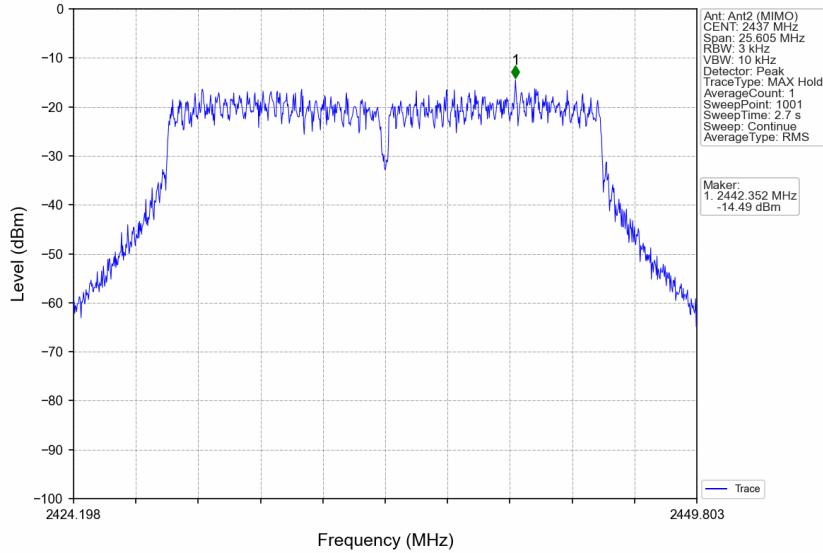
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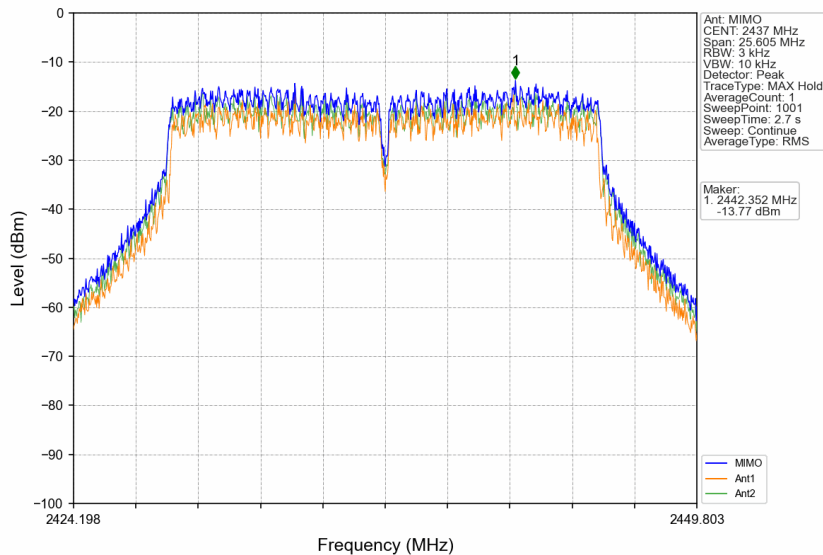
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802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



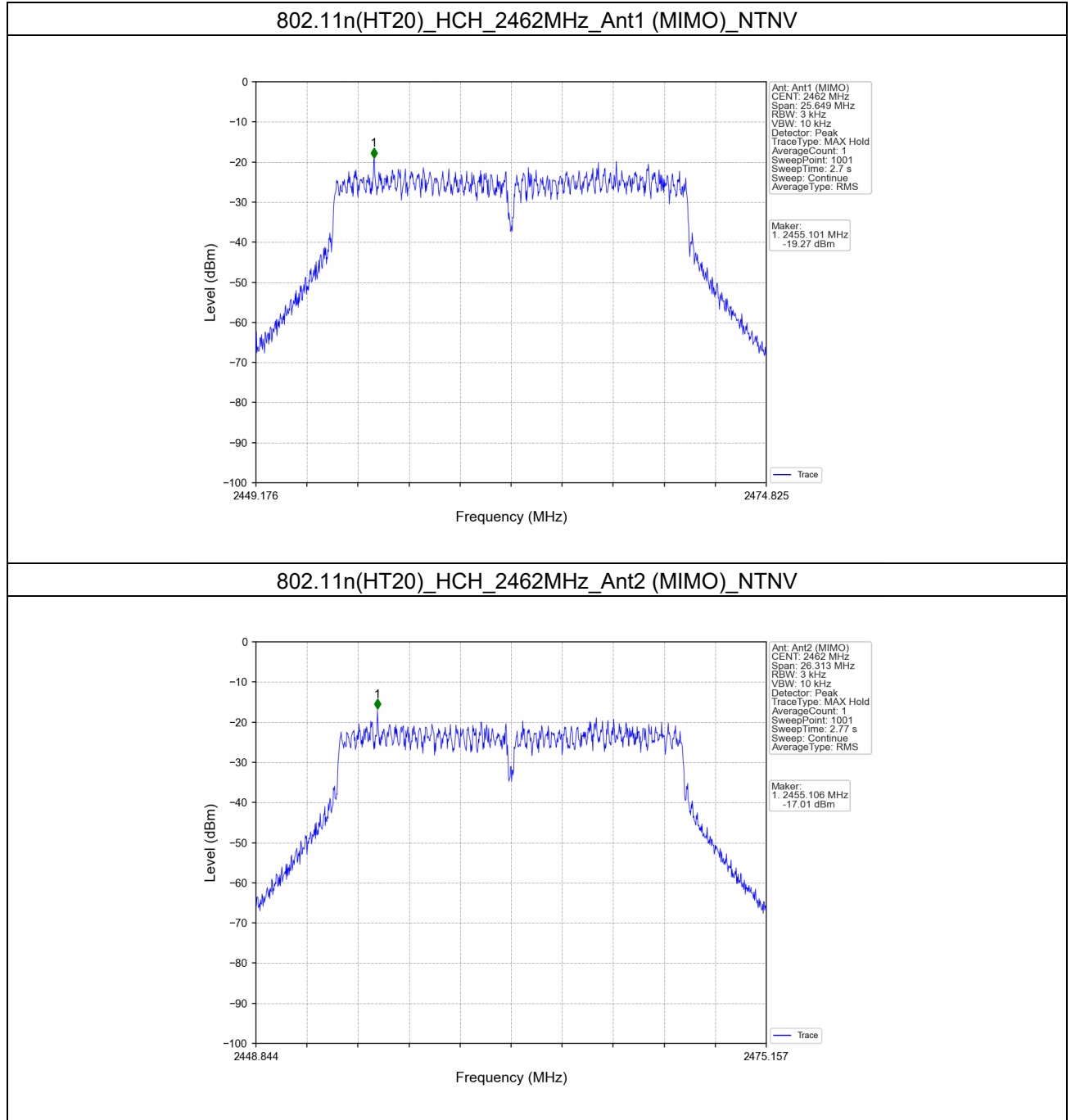
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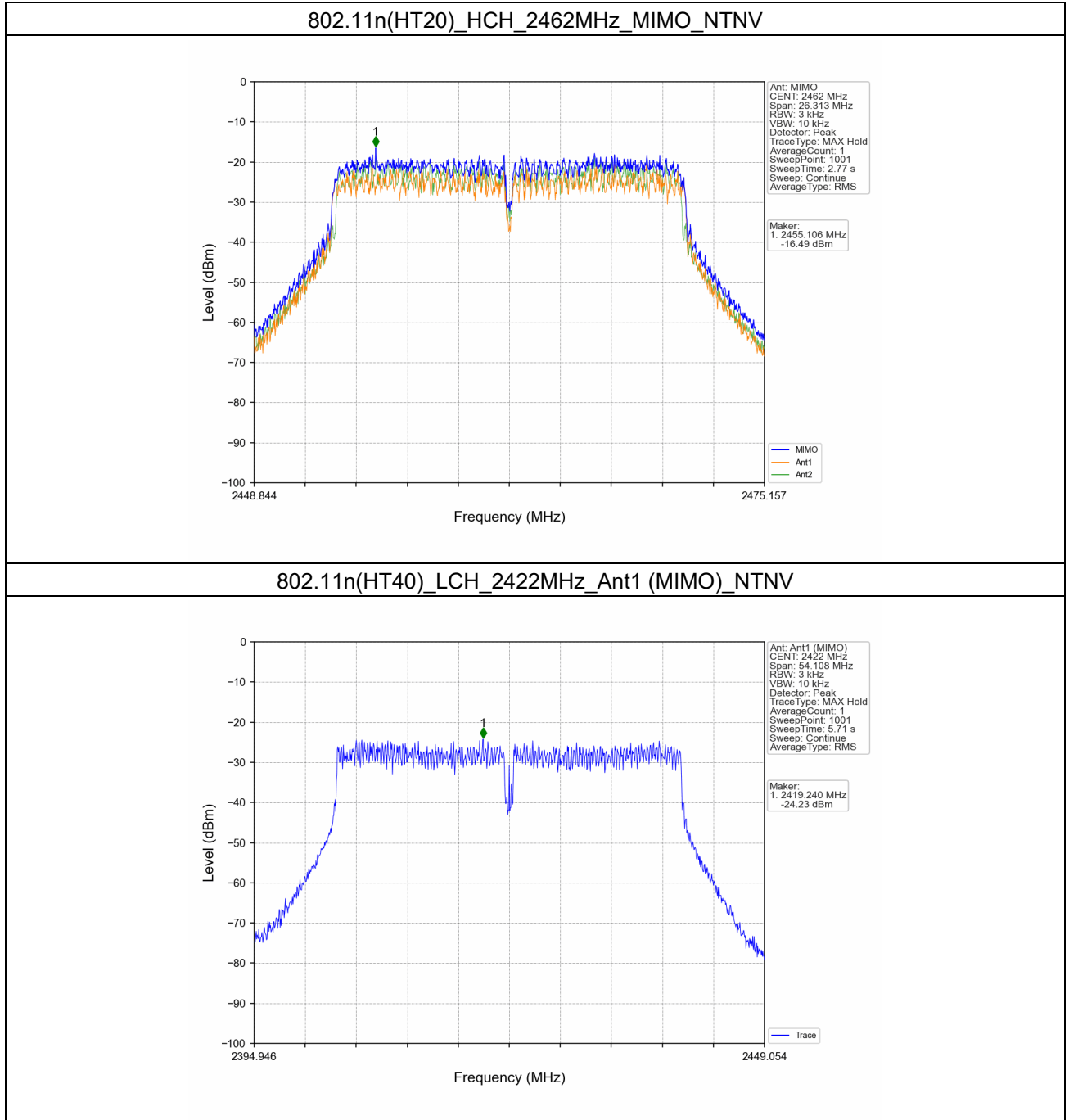


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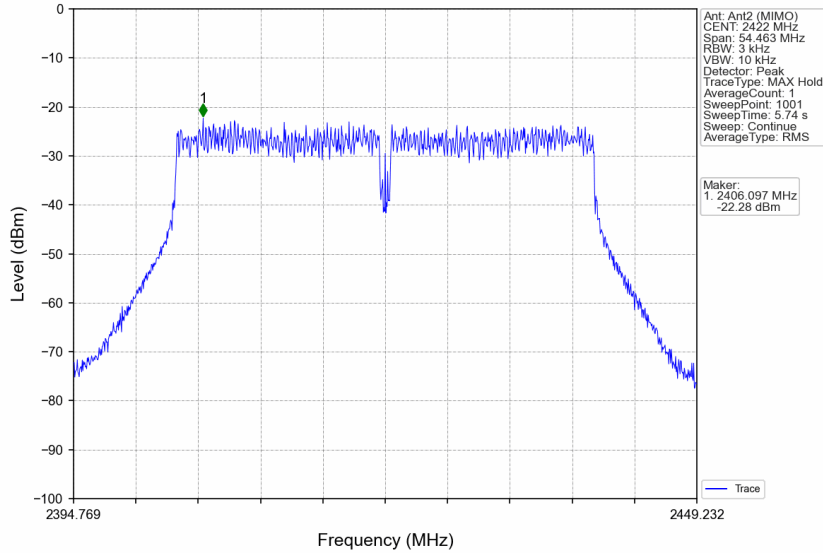
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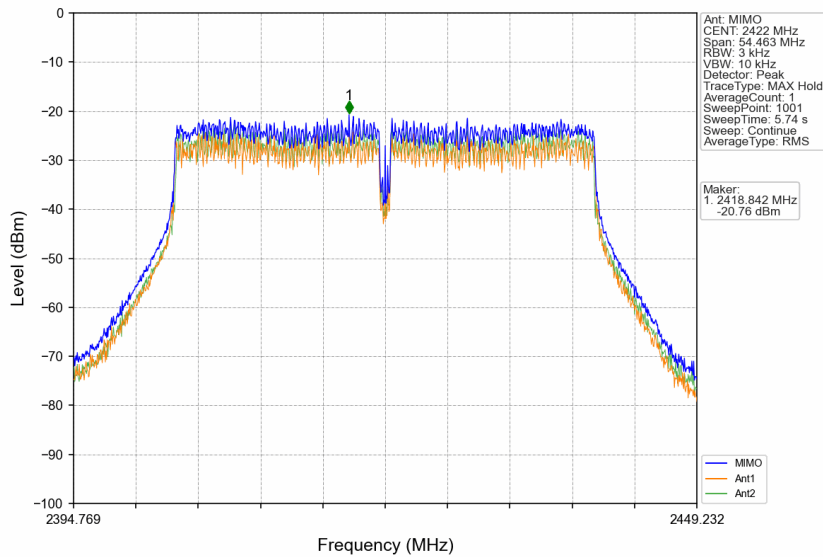
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802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_MIMO_NTNV

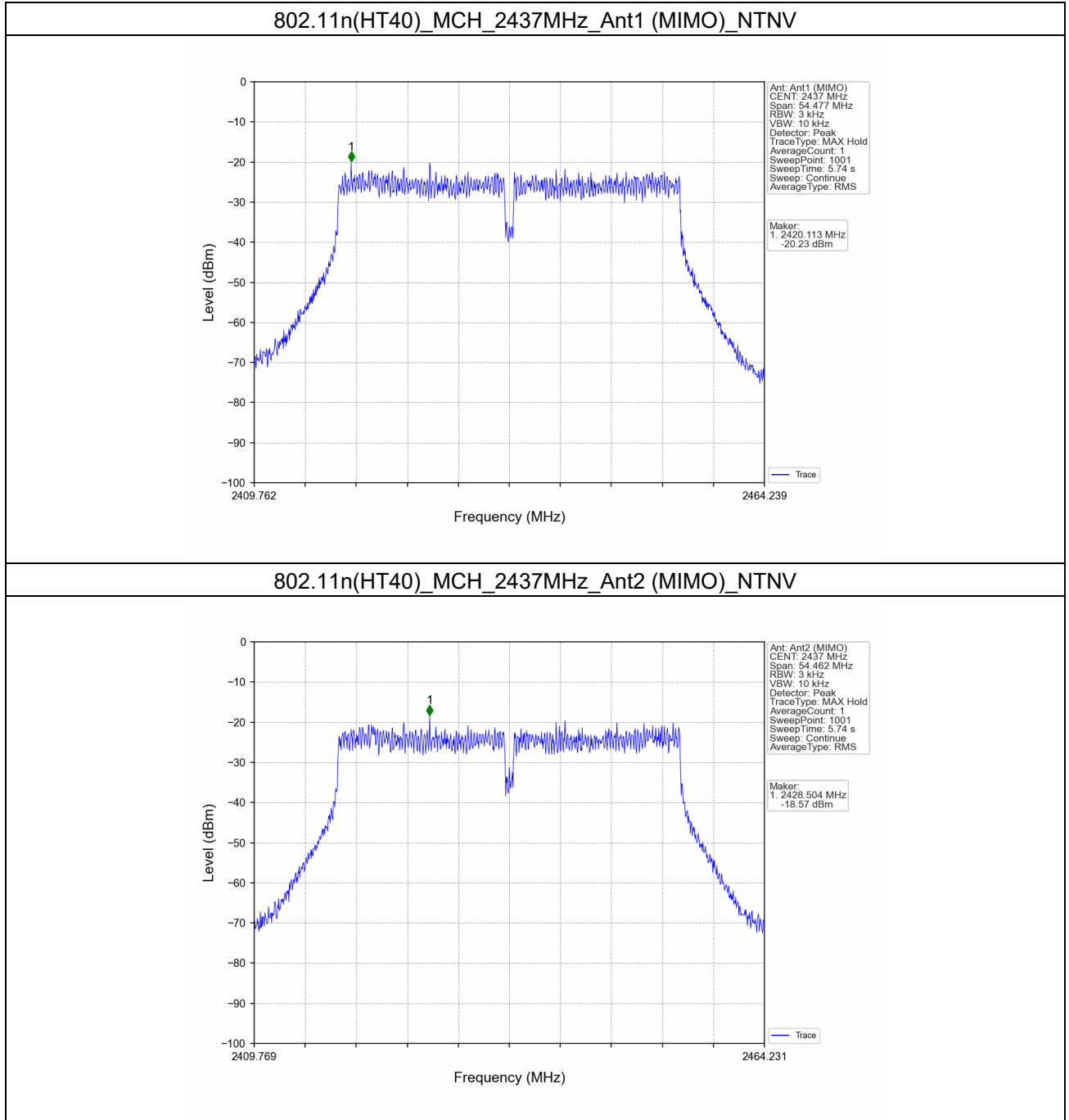


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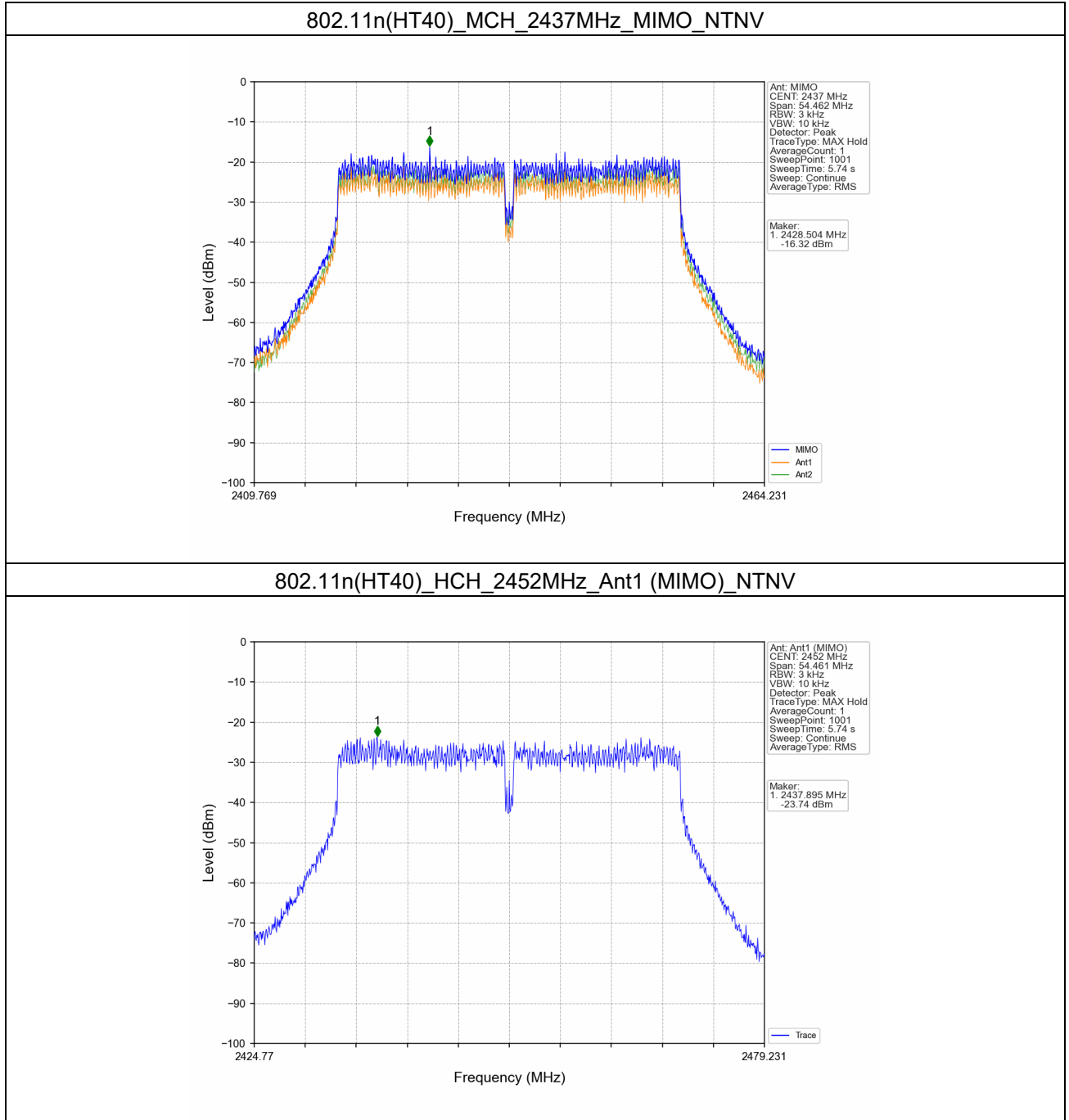
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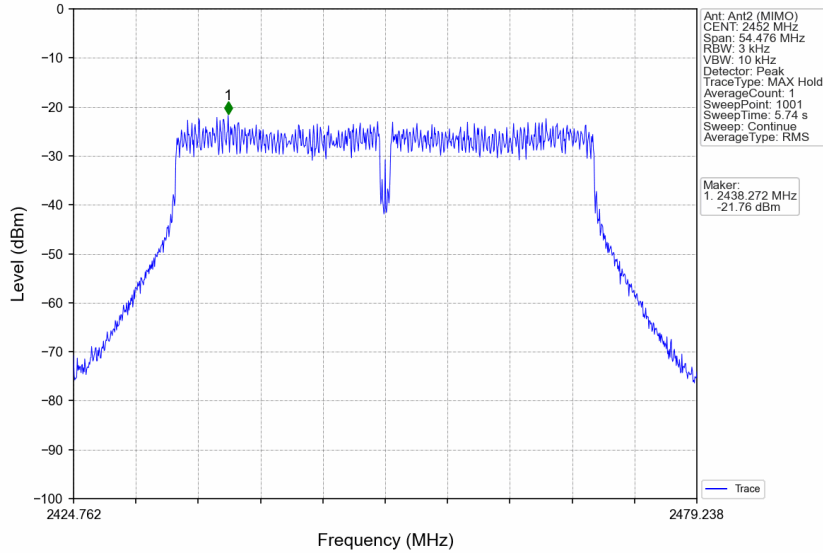
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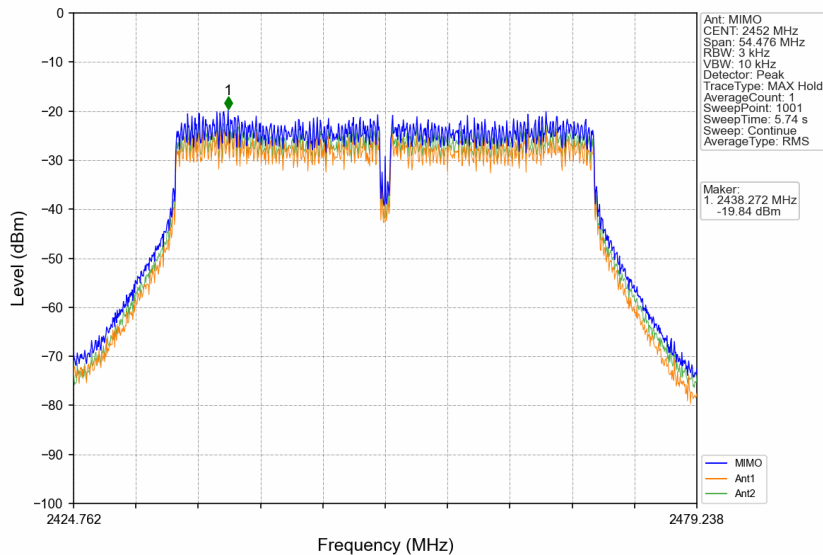
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802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



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5. Unwanted Emissions InStandard 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	3.21
			2	4.53
		2437	1	2.84
			2	4.36
		2462	1	3.17
			2	4.64
802.11g	SISO	2412	1	-2.96
			2	-2.17
		2437	1	0.40
			2	1.76
		2462	1	-2.60
			2	-0.92
802.11n (HT20)	MIMO	2412	1	-5.22
			2	-4.09
		2437	1	-2.31
			2	-0.86
		2462	1	-5.56
			2	-4.11
802.11n (HT40)	MIMO	2422	1	-8.70
			2	-7.39
		2437	1	-6.22
			2	-4.93
		2452	1	-8.80
			2	-7.12

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.

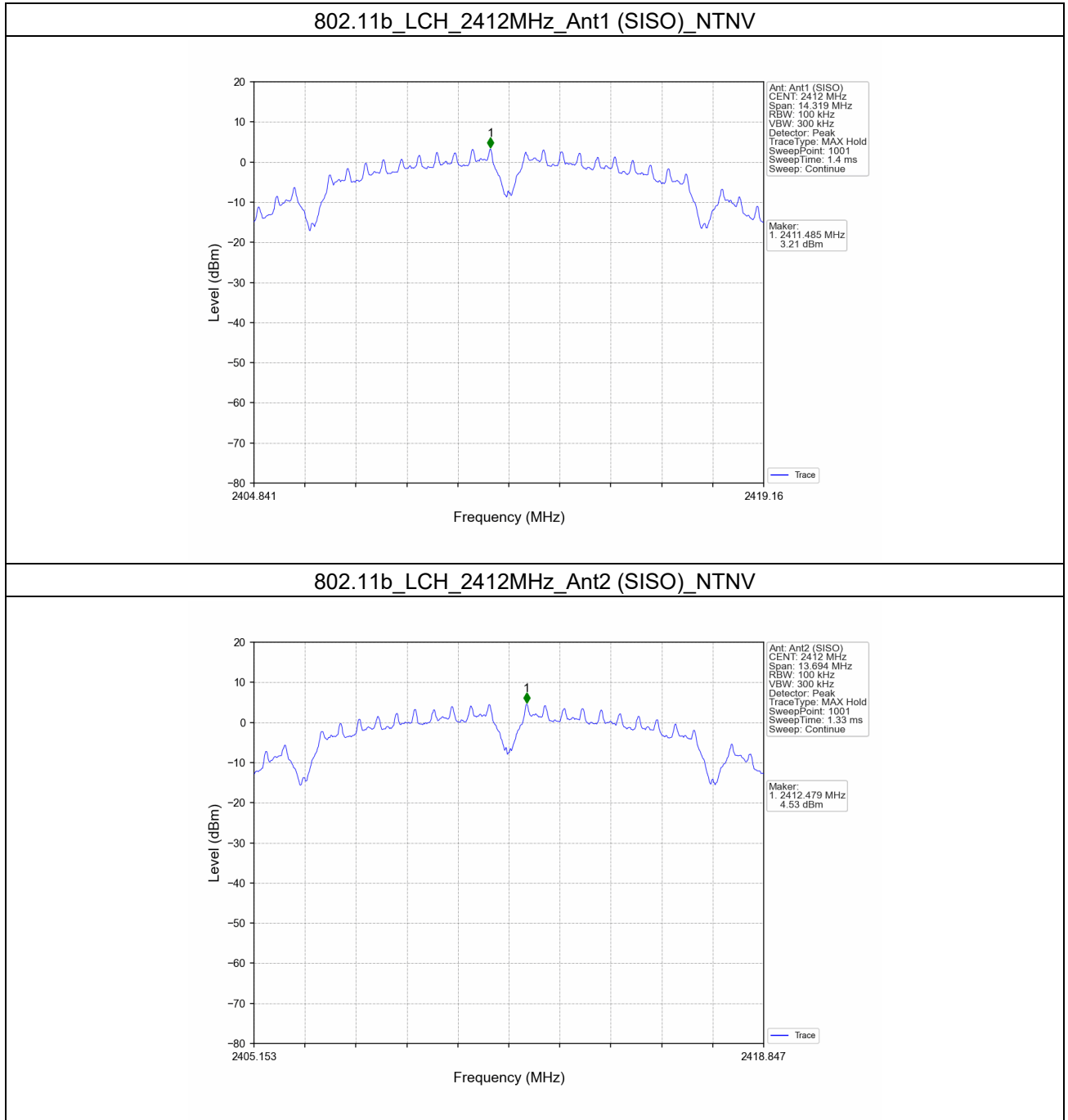


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5.1.2 Test Graph

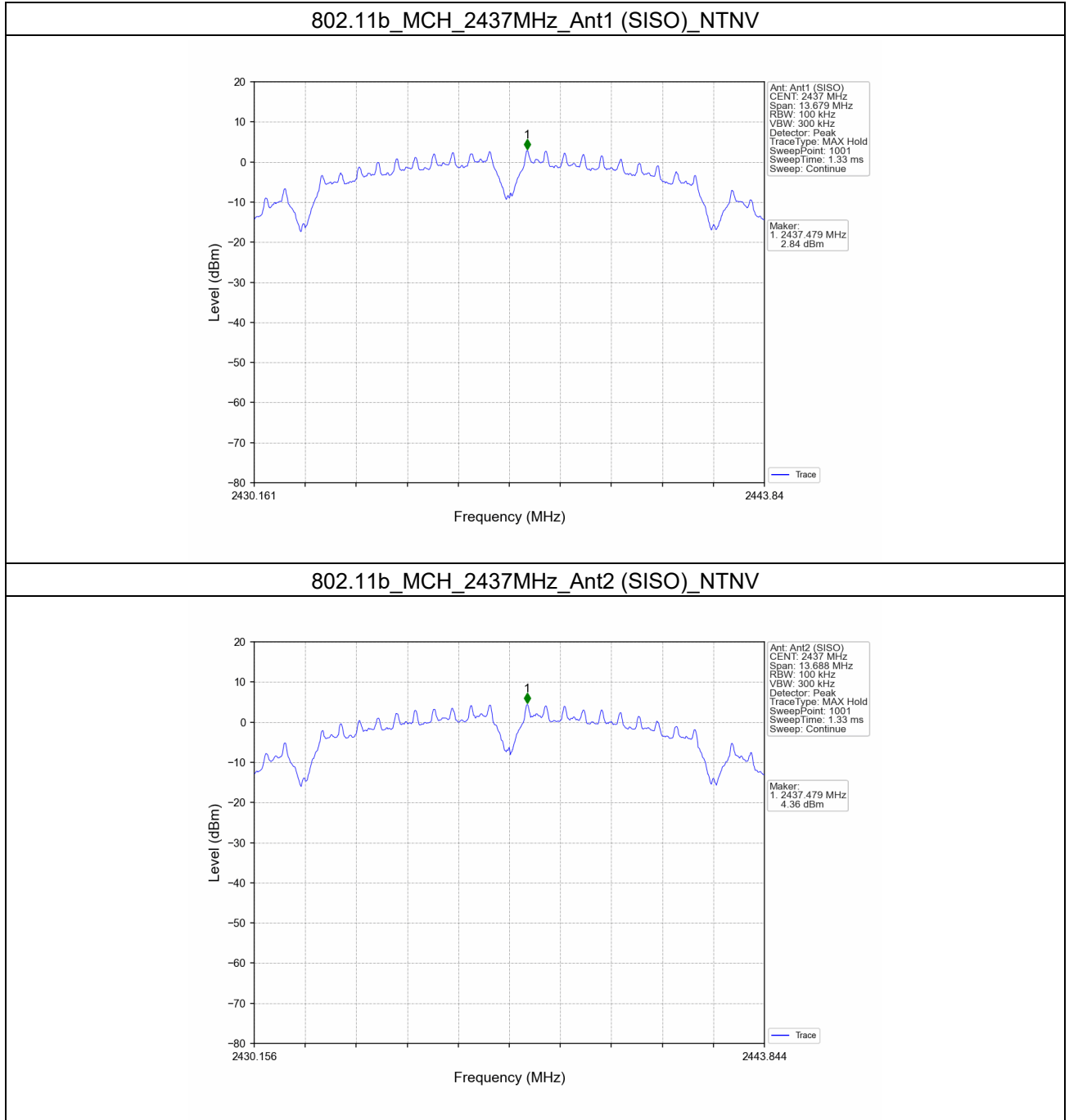


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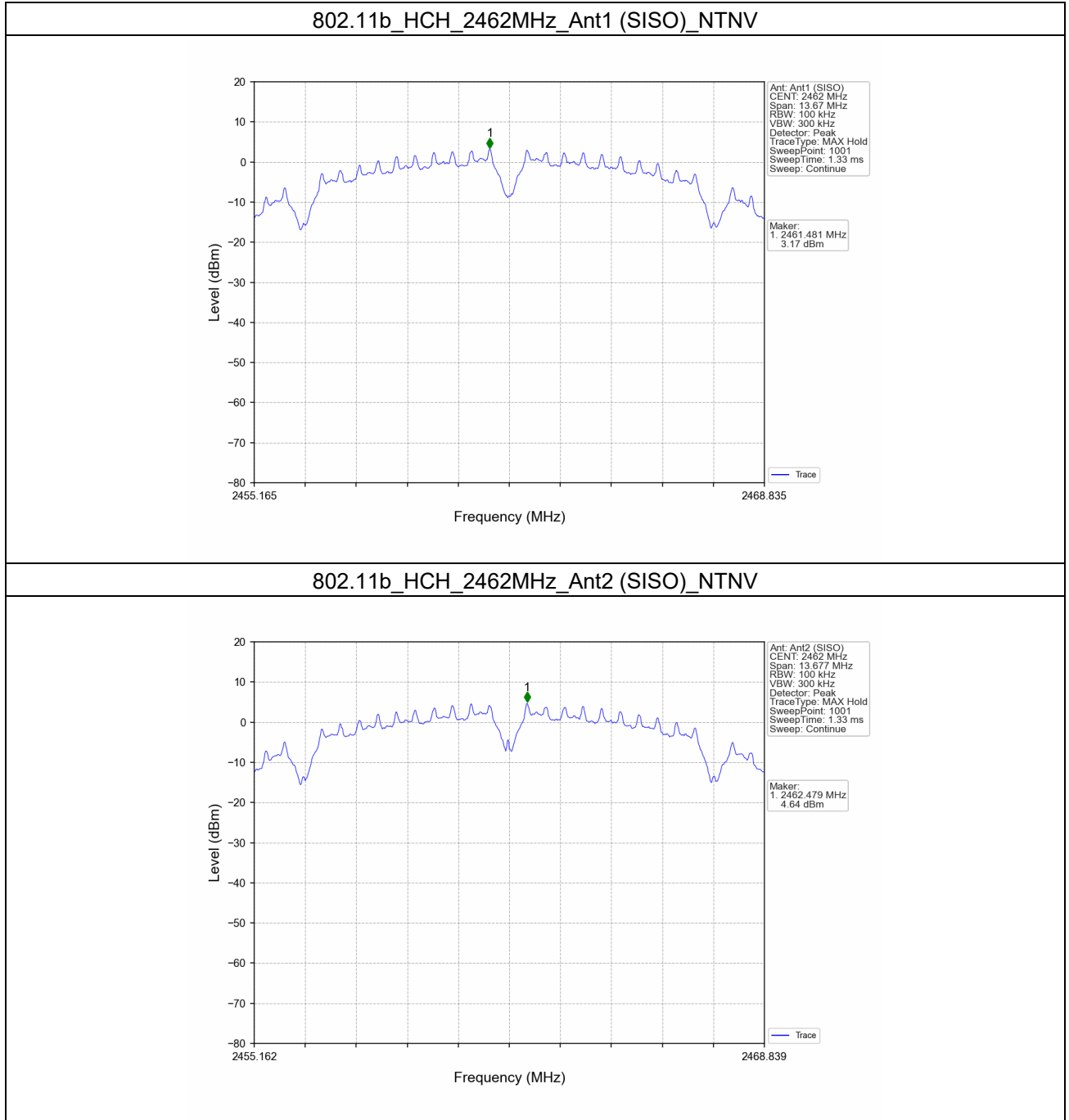


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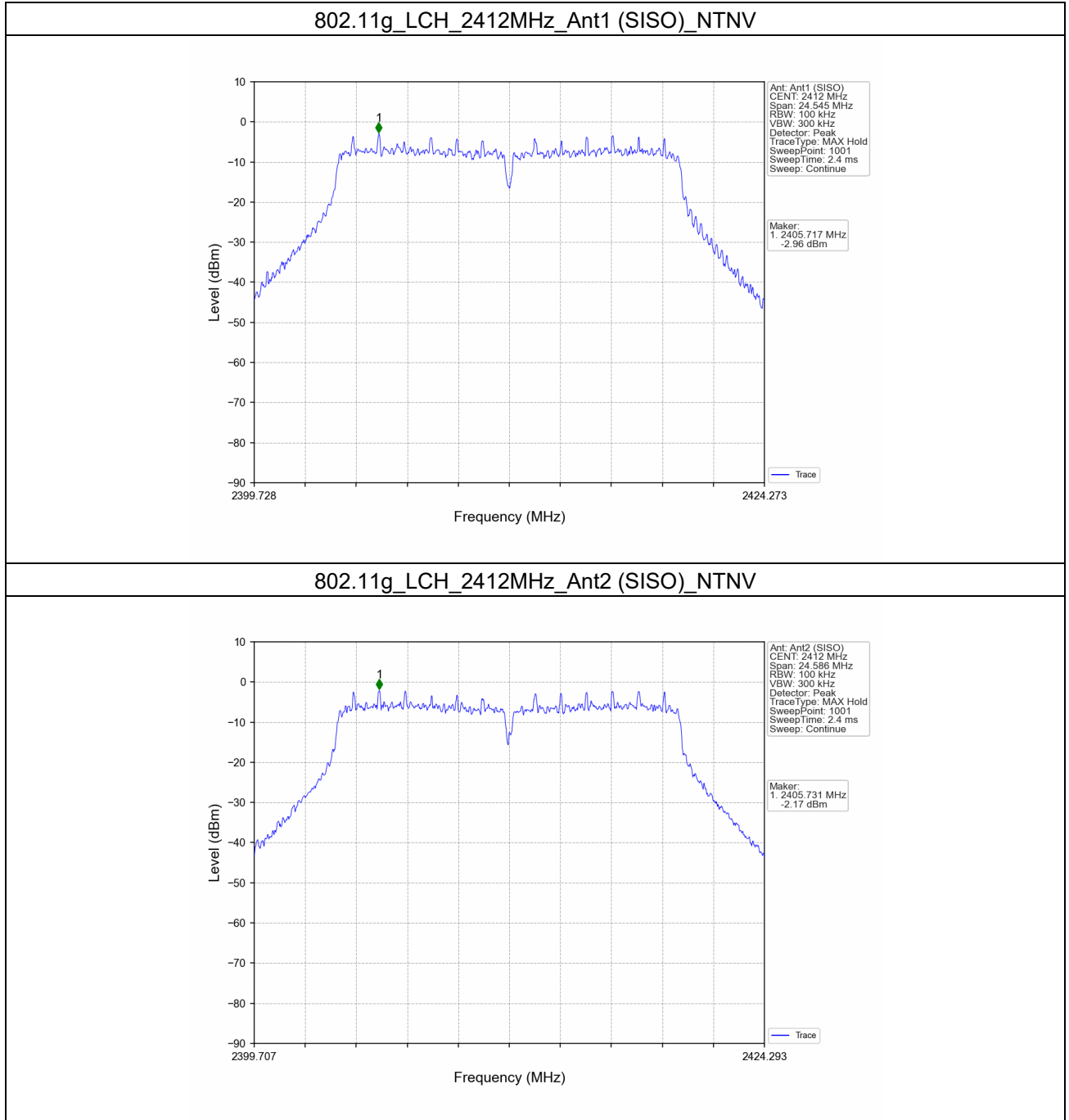


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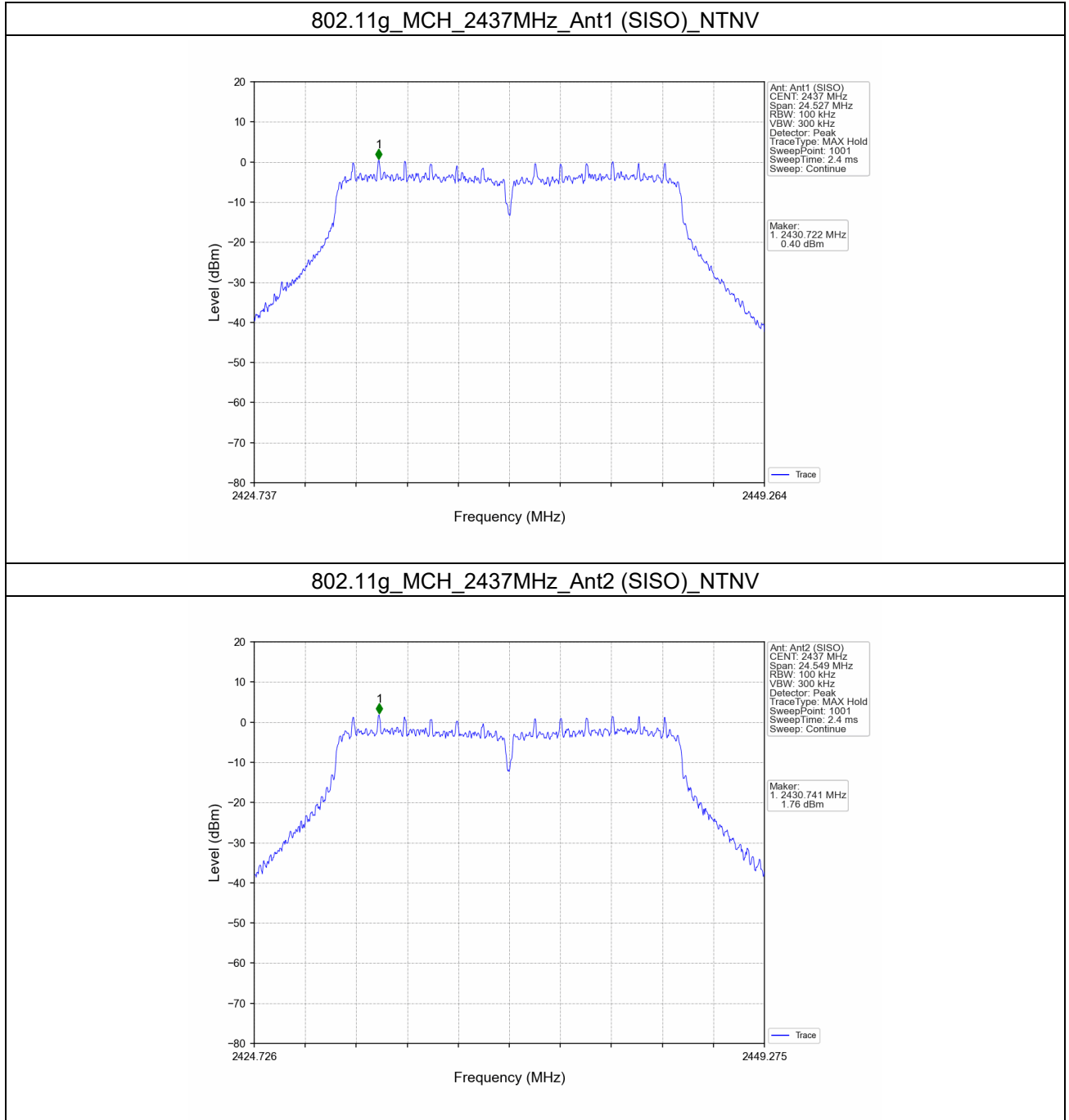


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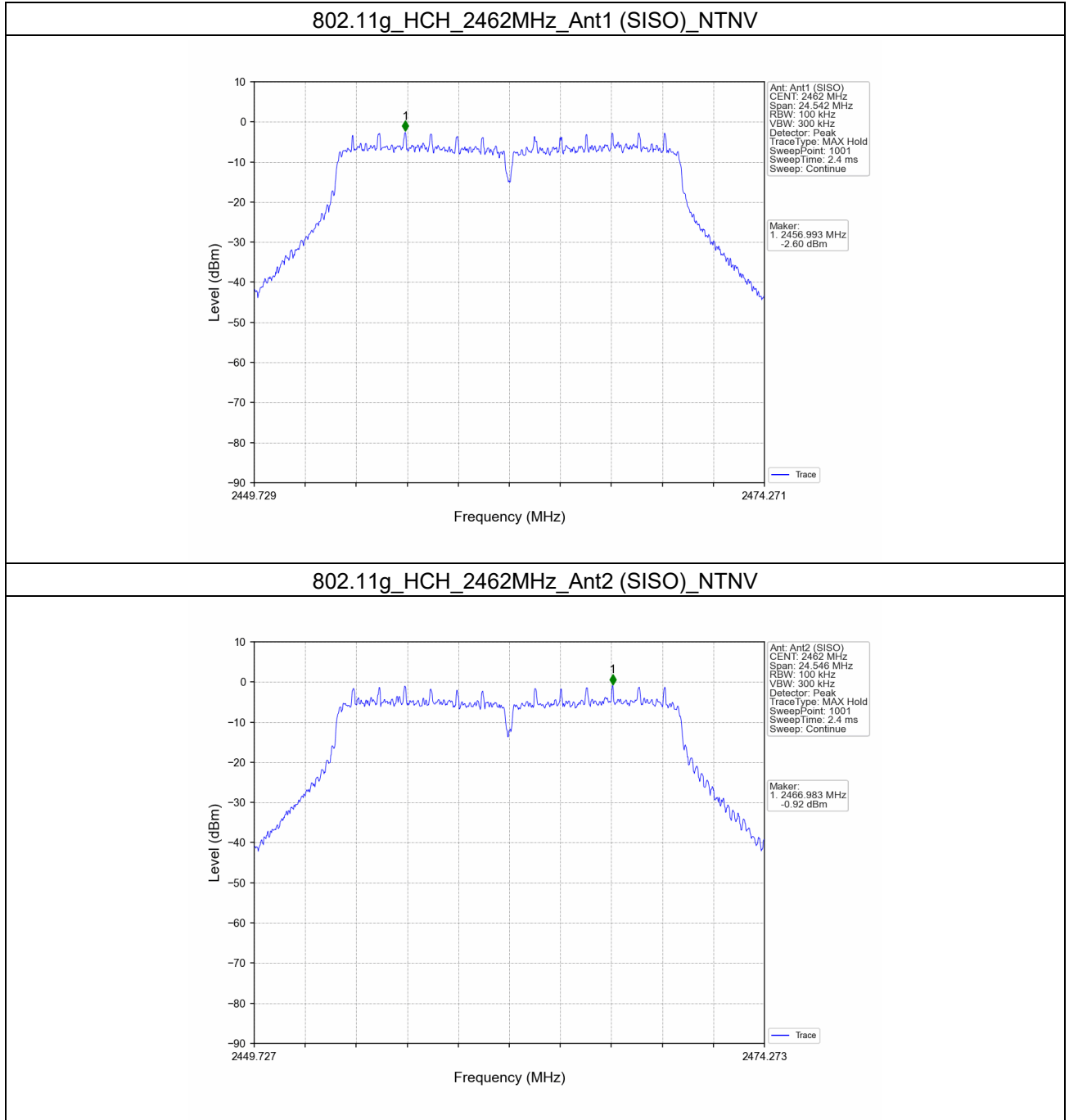


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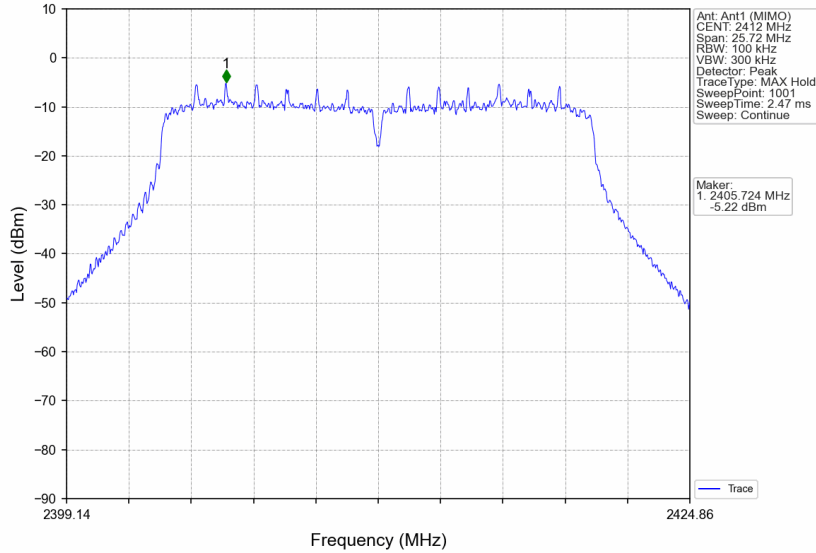
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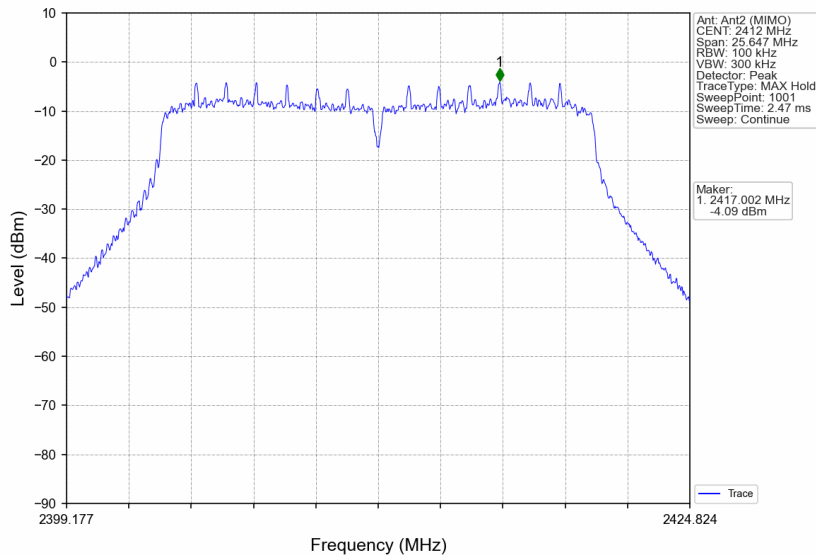
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

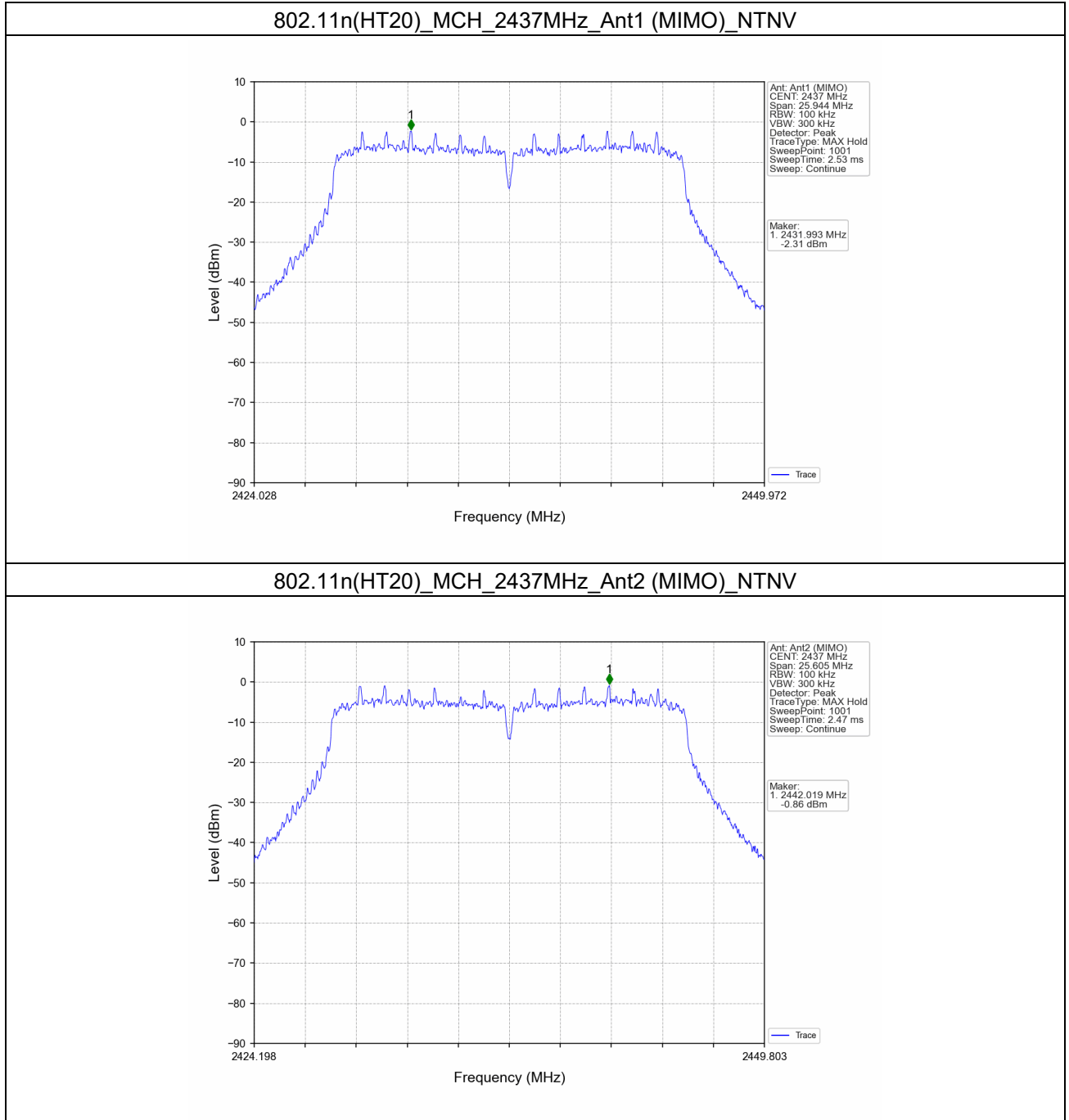


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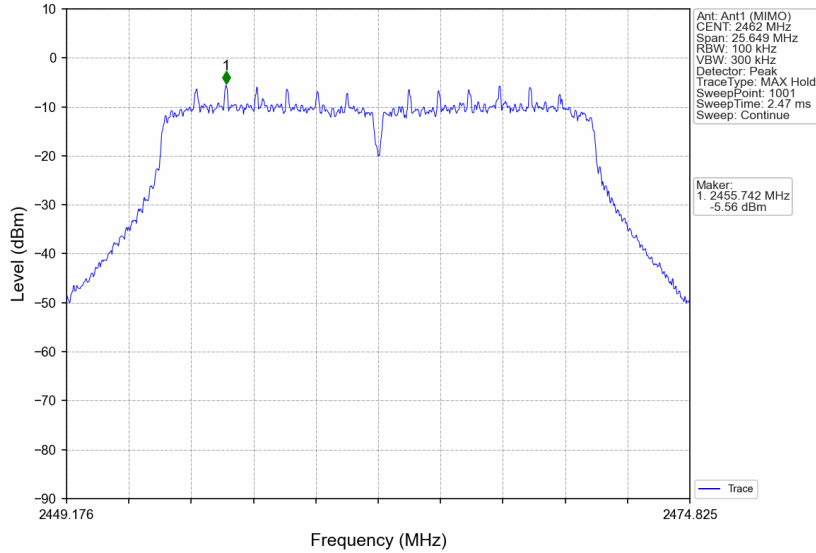
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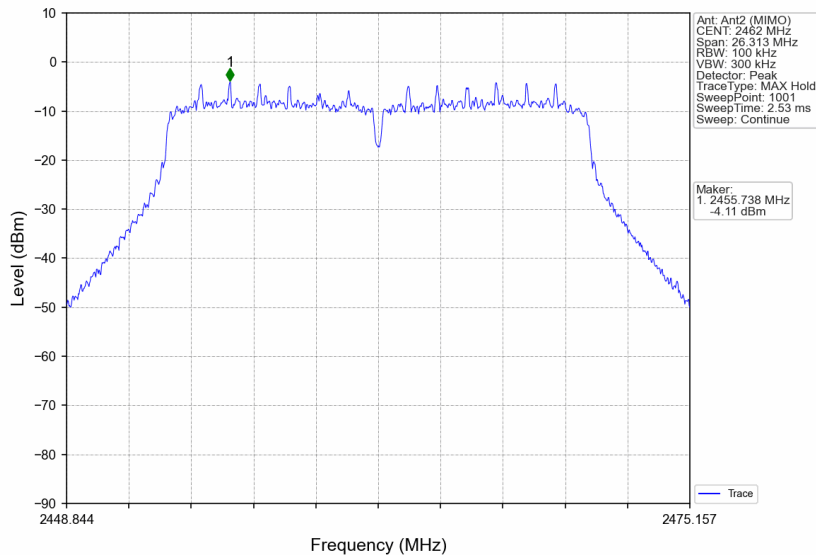
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



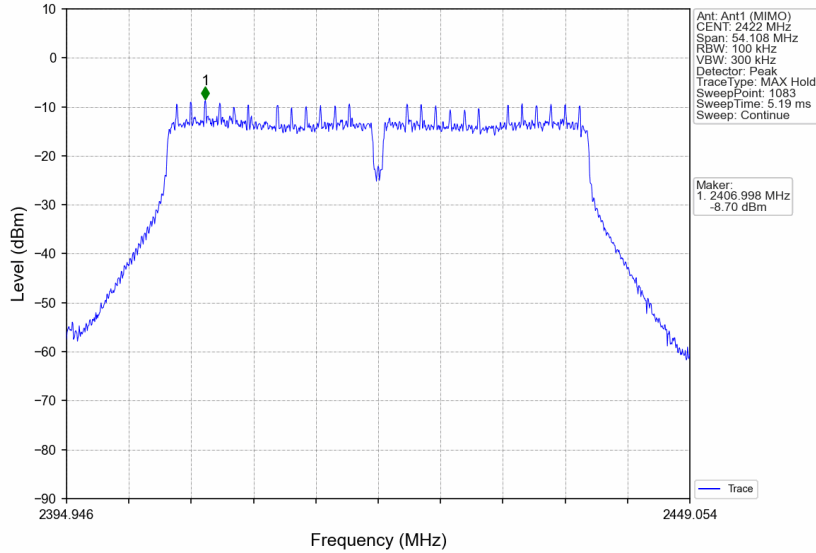
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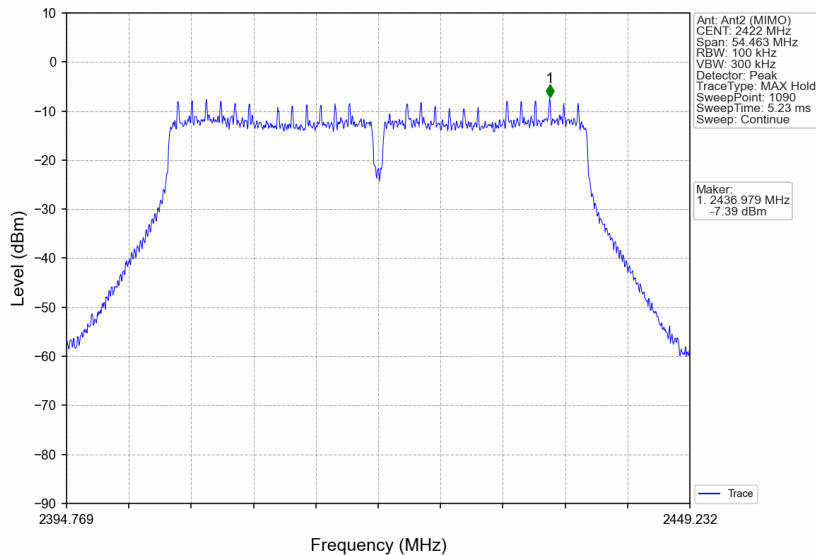
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802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



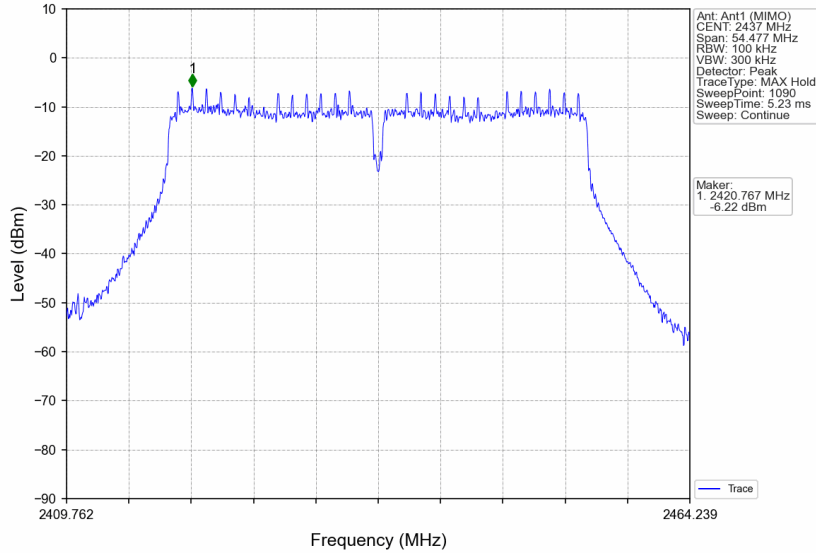
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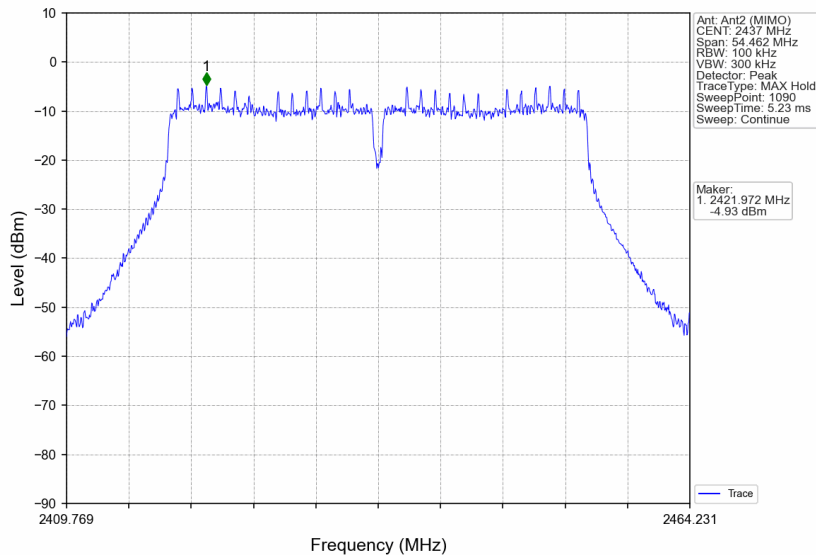
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



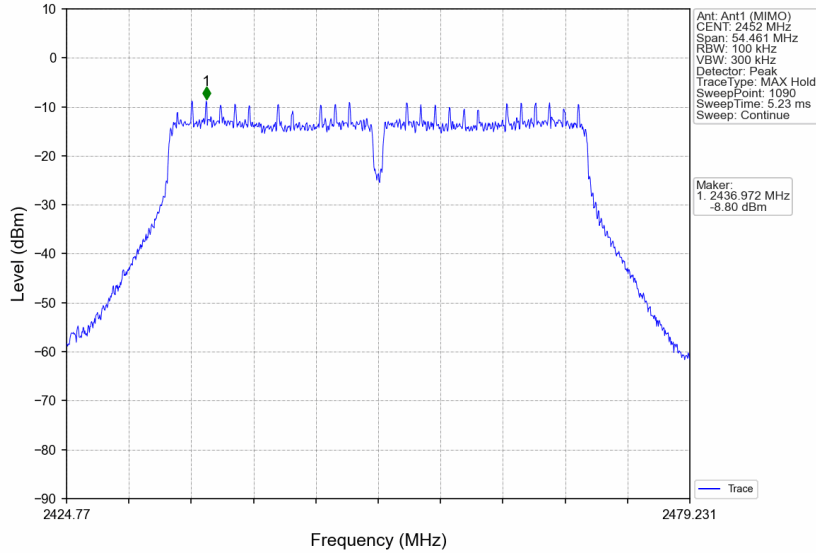
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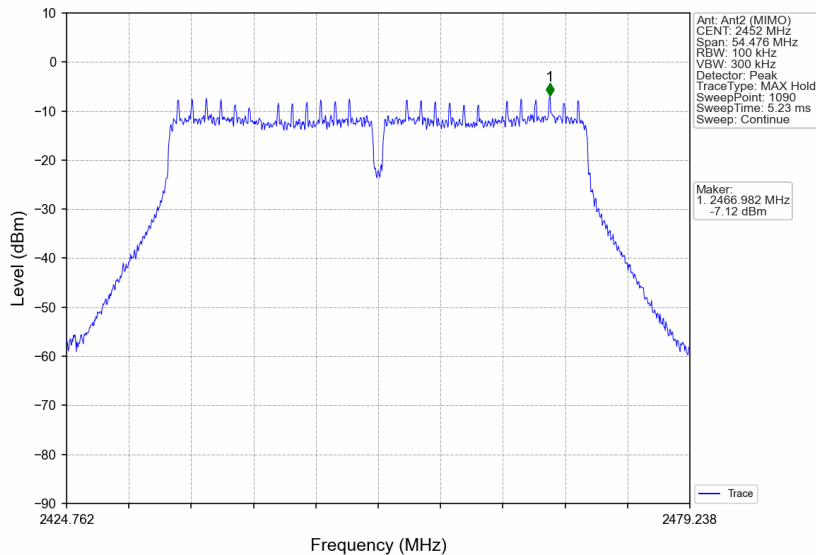
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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



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	3.21	-26.79	Pass
			2	4.64	-25.36	Pass
		2437	1	3.21	-26.79	Pass
			2	4.64	-25.36	Pass
		2462	1	3.21	-26.79	Pass
			2	4.64	-25.36	Pass
802.11g	SISO	2412	1	0.40	-29.60	Pass
			2	1.76	-28.24	Pass
		2437	1	0.40	-29.60	Pass
			2	1.76	-28.24	Pass
		2462	1	0.40	-29.60	Pass
			2	1.76	-28.24	Pass
802.11n (HT20)	MIMO	2412	1	-2.31	-32.31	Pass
			2	-0.86	-30.86	Pass
		2437	1	-2.31	-32.31	Pass
			2	-0.86	-30.86	Pass
		2462	1	-2.31	-32.31	Pass
			2	-0.86	-30.86	Pass
802.11n (HT40)	MIMO	2422	1	-6.22	-36.22	Pass
			2	-4.93	-34.93	Pass
		2437	1	-6.22	-36.22	Pass
			2	-4.93	-34.93	Pass
		2452	1	-6.22	-36.22	Pass
			2	-4.93	-34.93	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.

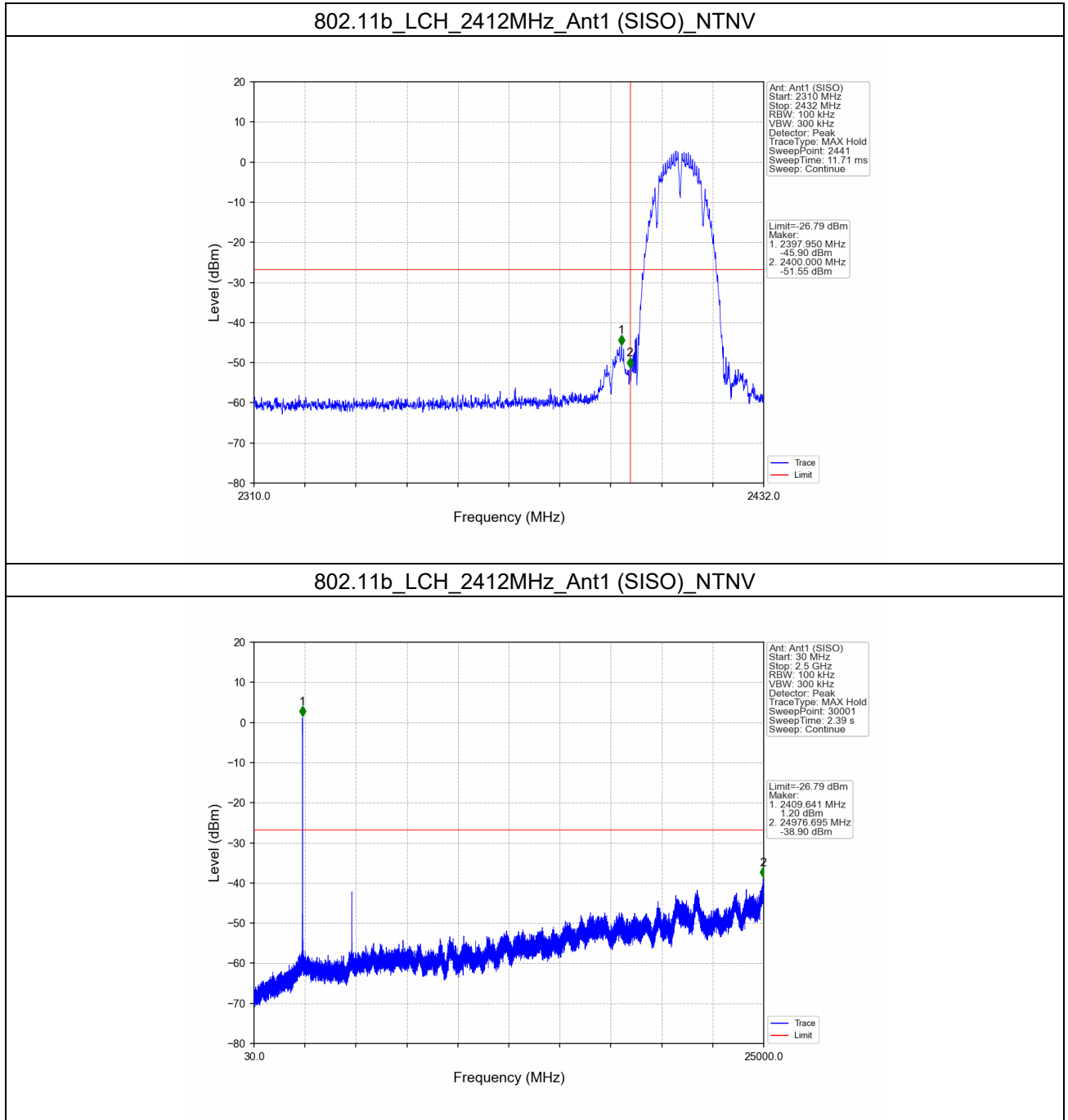


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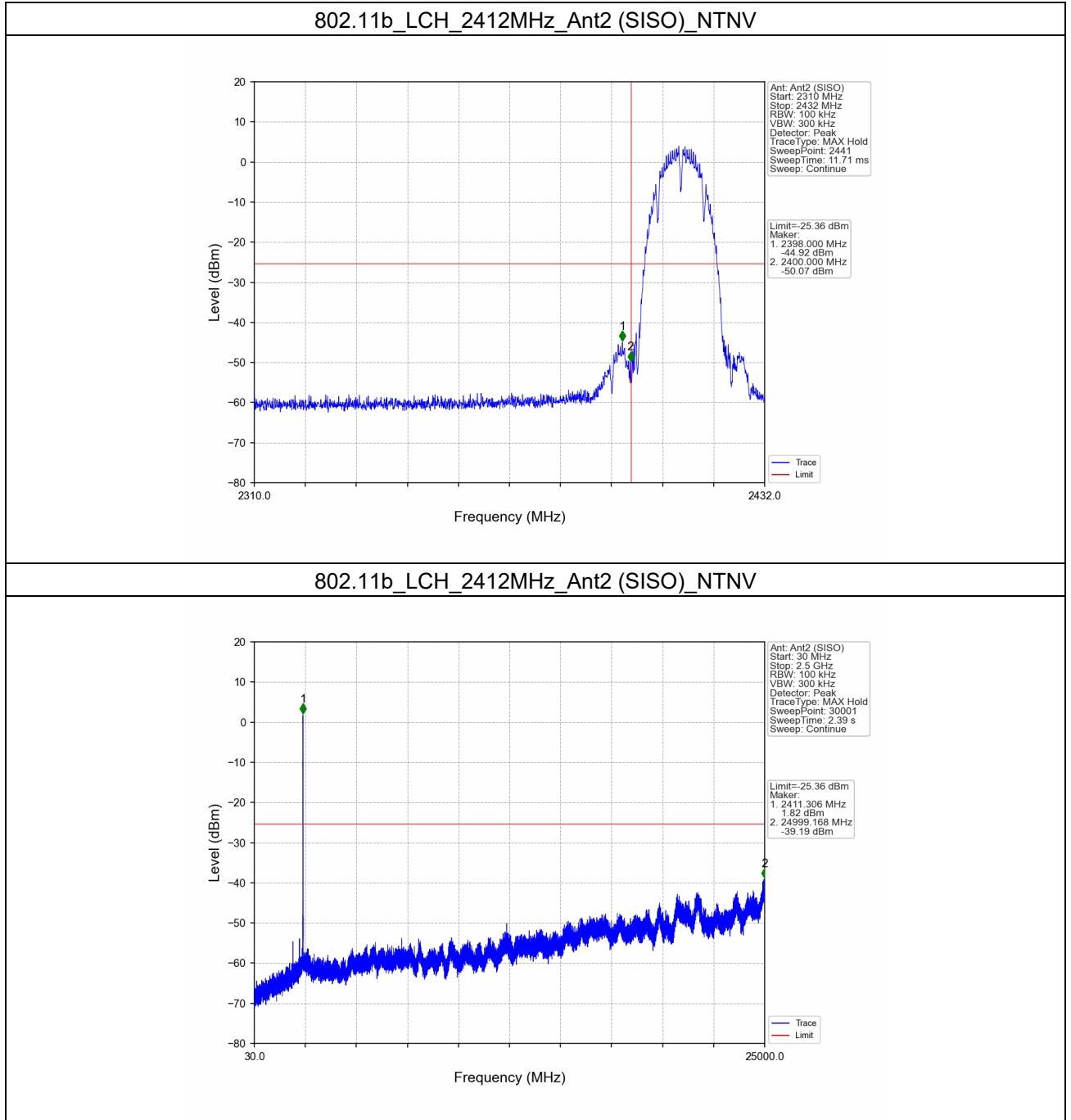
5.2.2 Test Graph



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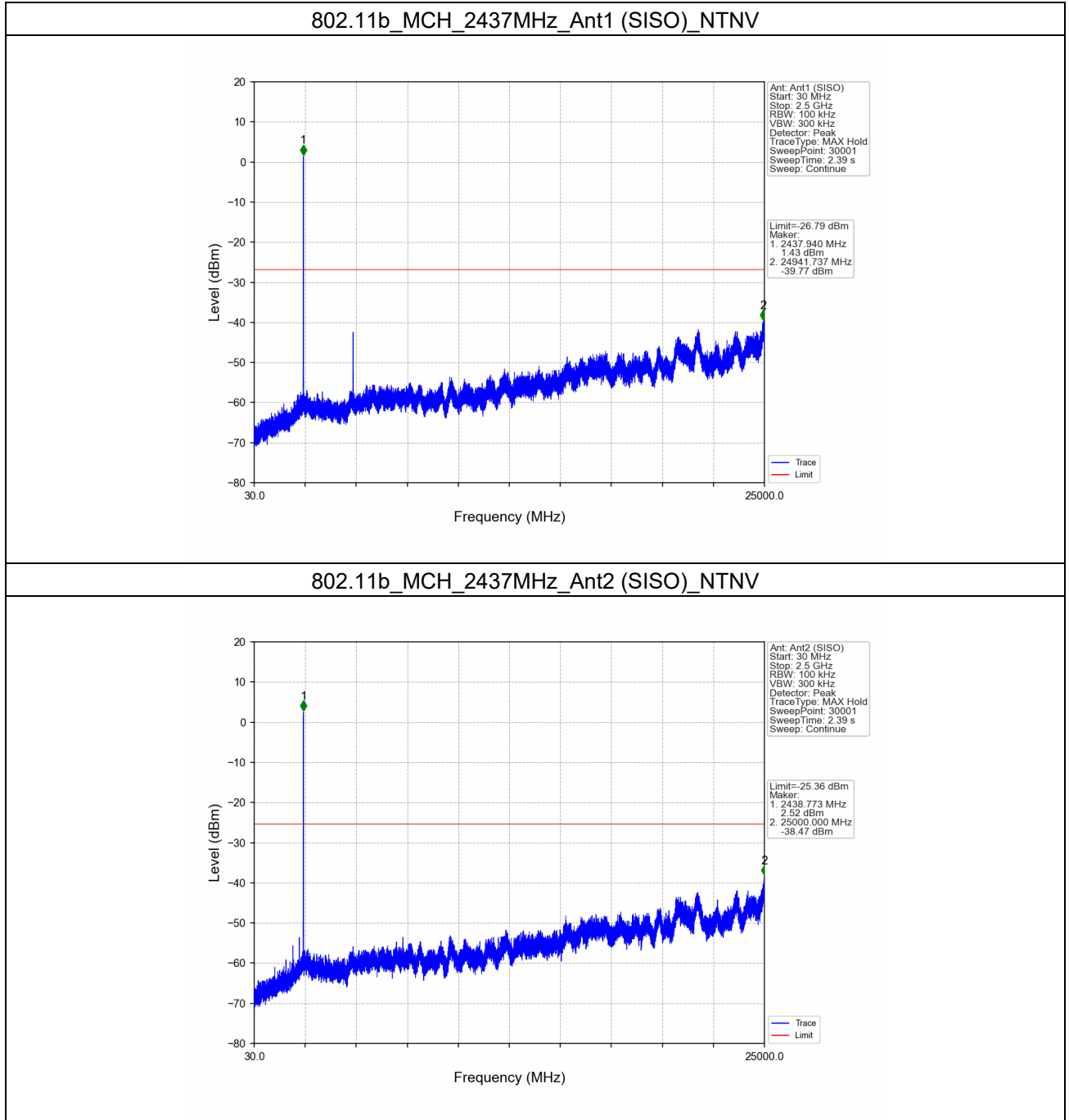
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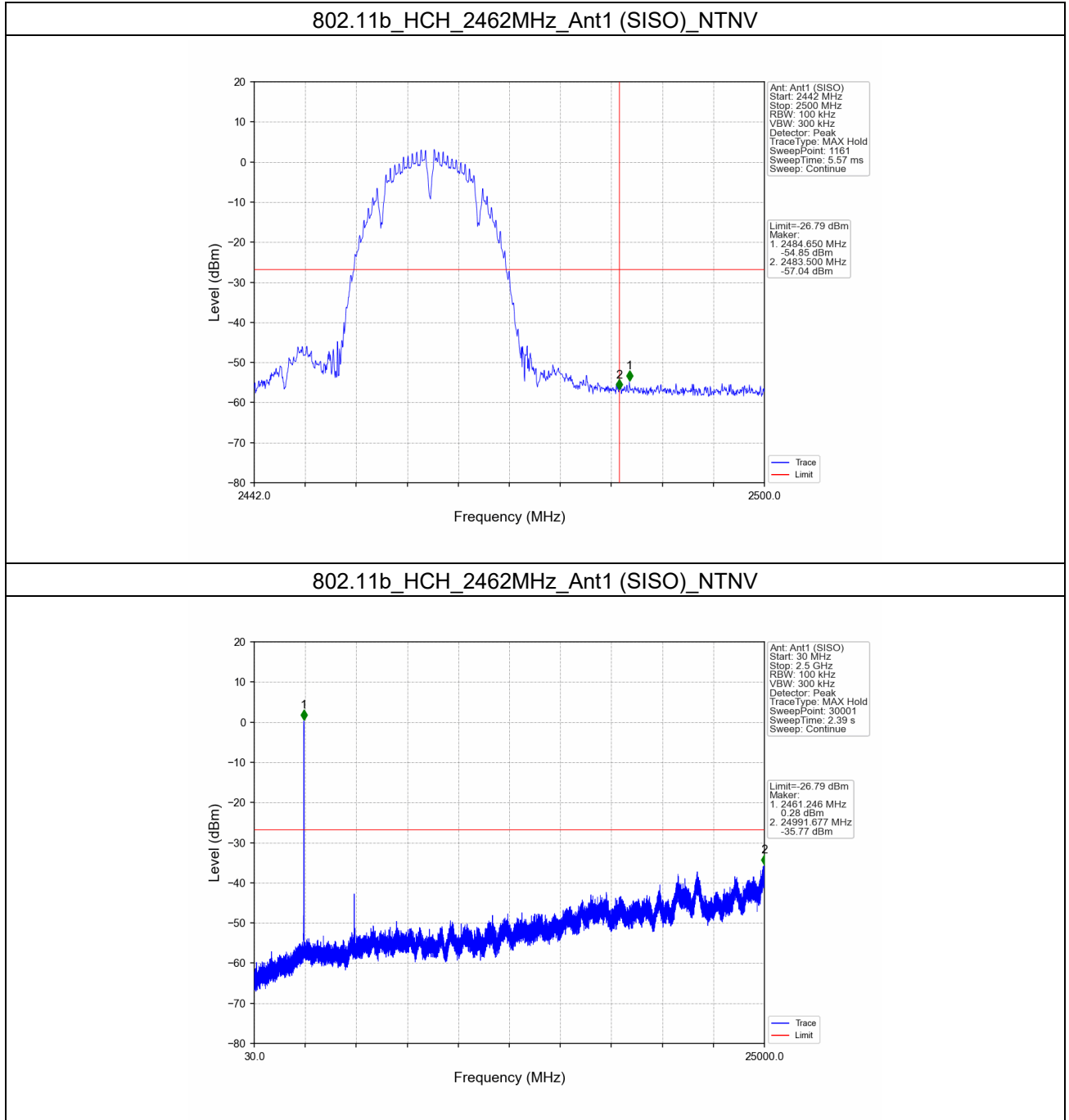
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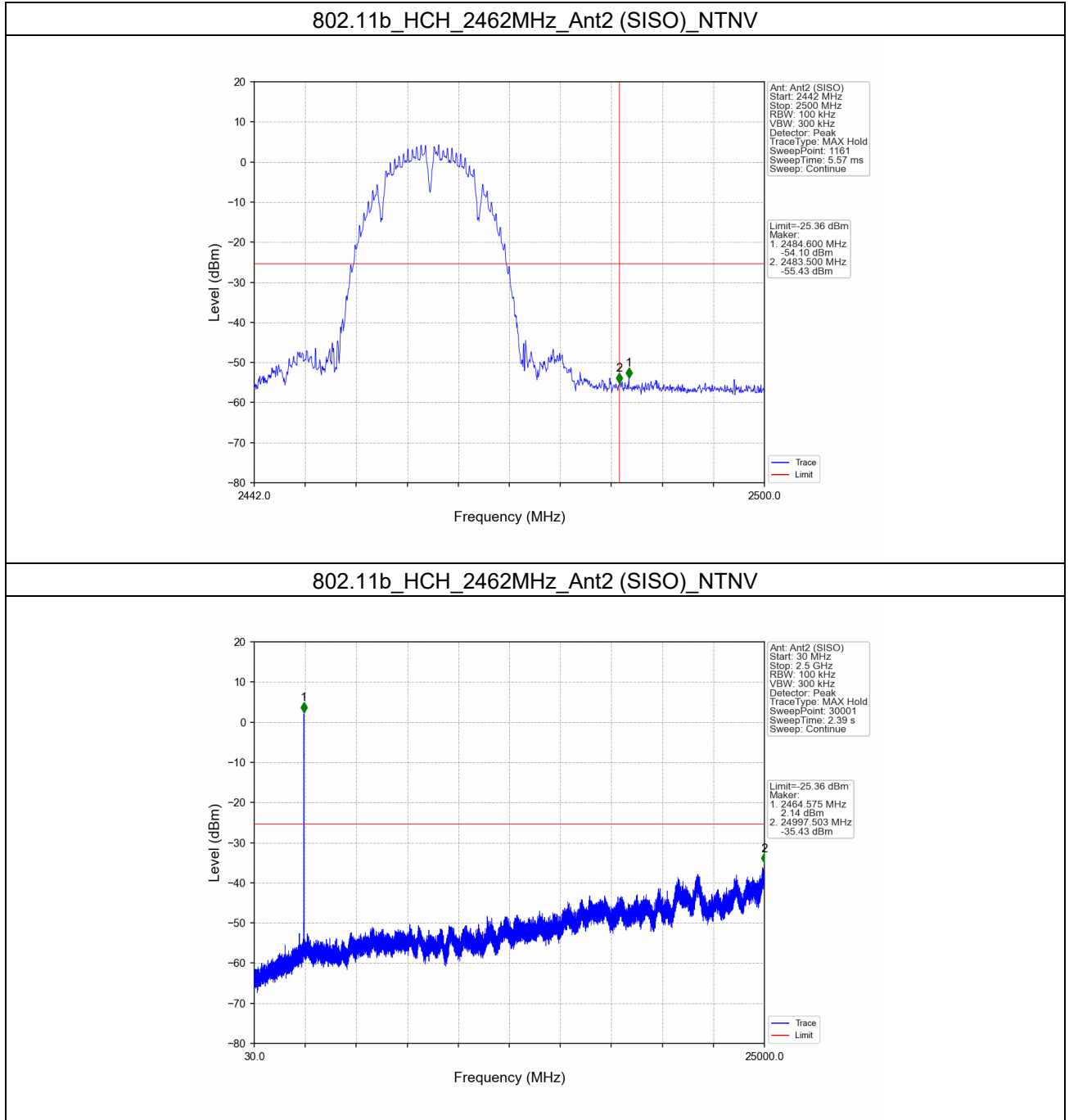
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