



Shenzhen CTL Testing Technology Co., Ltd.

Fl.A1, Bldg.A3, No.2533 GuanGuang Road, Fenghuang Community

Fenghuang Street, Guangming District, Shenzhen, Guangdong, P.R.C
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Annex for 2.4G Wi-Fi

Test Report No.: CTL2605144031-WF02

TABLE OF CONTENTS

1. Duty Cycle	3
1.1 Test Result	3
1.1.1 Ant1	3
1.2 Test Graph.....	4
1.2.1 Ant1	4
2. Bandwidth.....	9
2.1 Test Result	9
2.1.1 OBW	9
2.1.2 6dB BW	9
2.2 Test Graph.....	10
2.2.1 OBW	10
2.2.2 6dB BW	15
3. Maximum Conducted Output Power	20
3.1 Test Result	20
3.1.1 Power	20
4. Maximum Power Spectral Density	21
4.1 Test Result	21
4.1.1 PSD	21
4.2 Test Graph.....	22



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4.2.1 PSD 22

5. Unwanted Emissions In Non-restricted Frequency Bands..... 27

5.1 Test Result 27

5.1.1 Ref..... 27

5.1.2 CSE 27

5.2 Test Graph..... 28

5.2.1 Ref..... 28

5.2.2 CSE 33

FCC ID: 2BSEJ-Y26S

1. Duty Cycle

1.1 Test Result

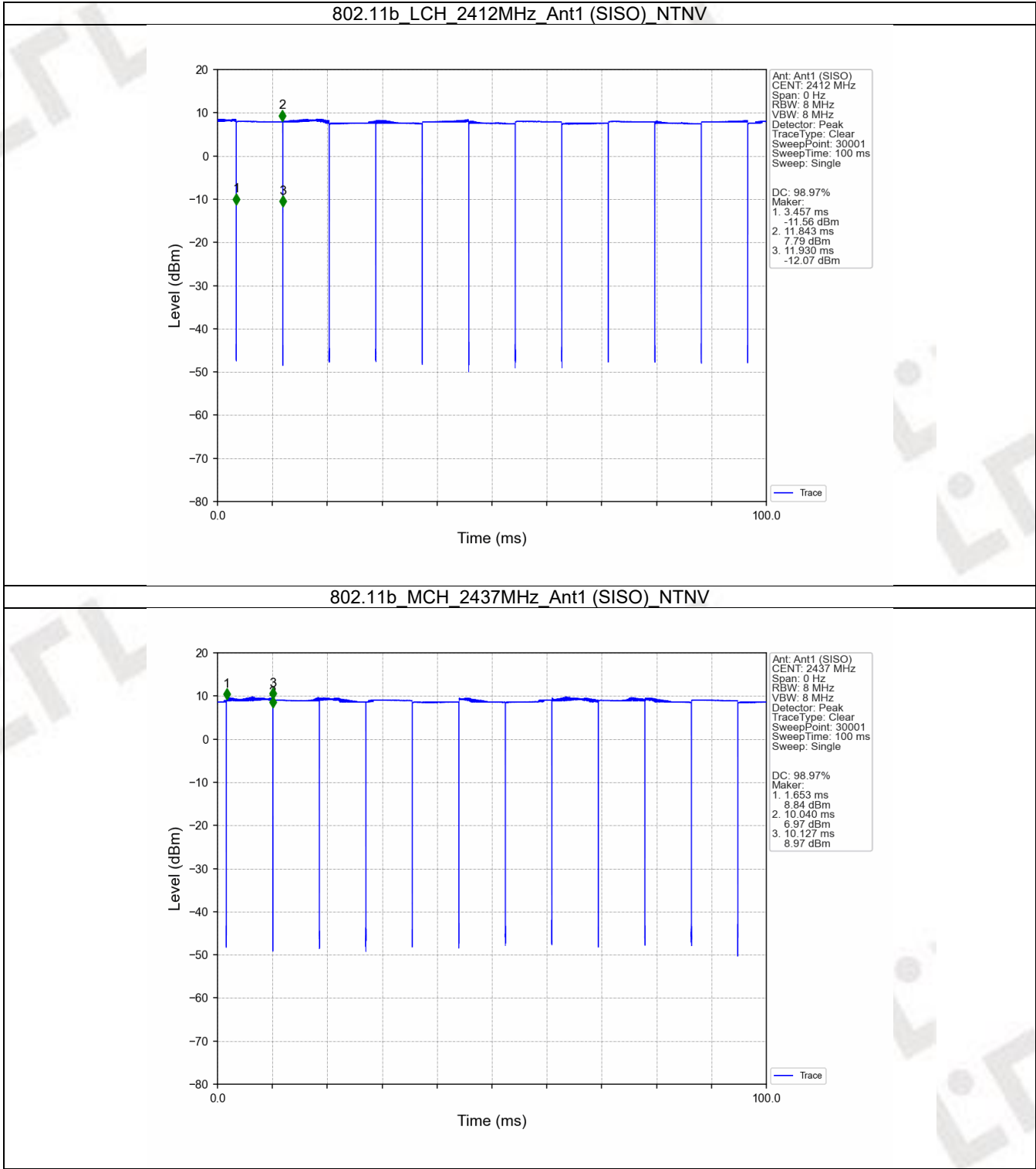
1.1.1 Ant1

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	8.386	8.473	98.97	0.04	0.04
		2437	8.387	8.474	98.97	0.04	0.04
		2462	8.387	8.473	98.99	0.04	0.04
802.11g	SISO	2412	5.486	5.544	98.95	0.05	0.04
		2437	5.487	5.544	98.97	0.04	0.03
		2462	5.486	5.544	98.95	0.05	0.04
802.11n (HT20)	SISO	2412	0.166	0.169	98.22	0.08	0.08
		2437	0.166	0.170	97.65	0.10	0.04
		2462	0.166	0.169	98.22	0.08	0.08

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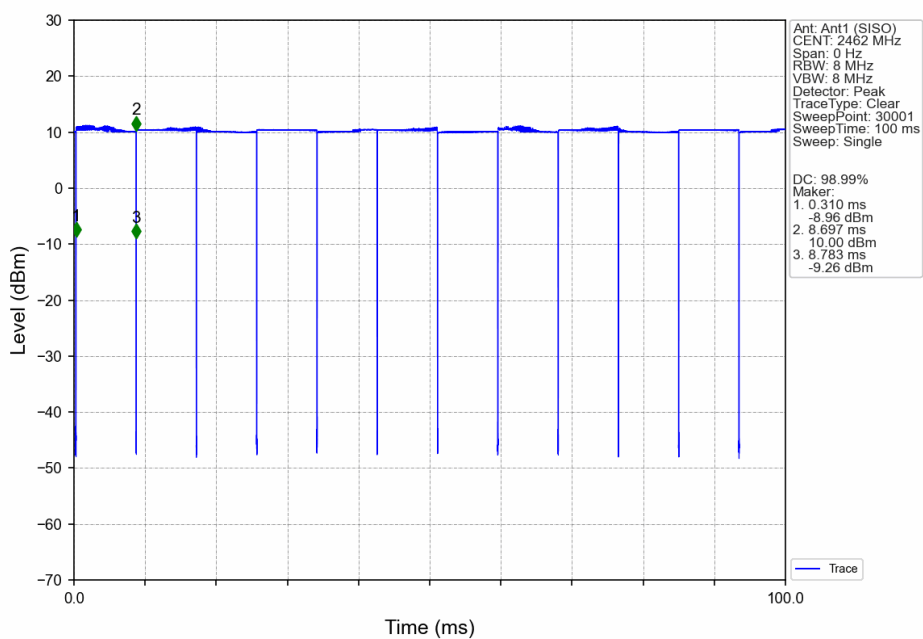
1.2 Test Graph

1.2.1 Ant1

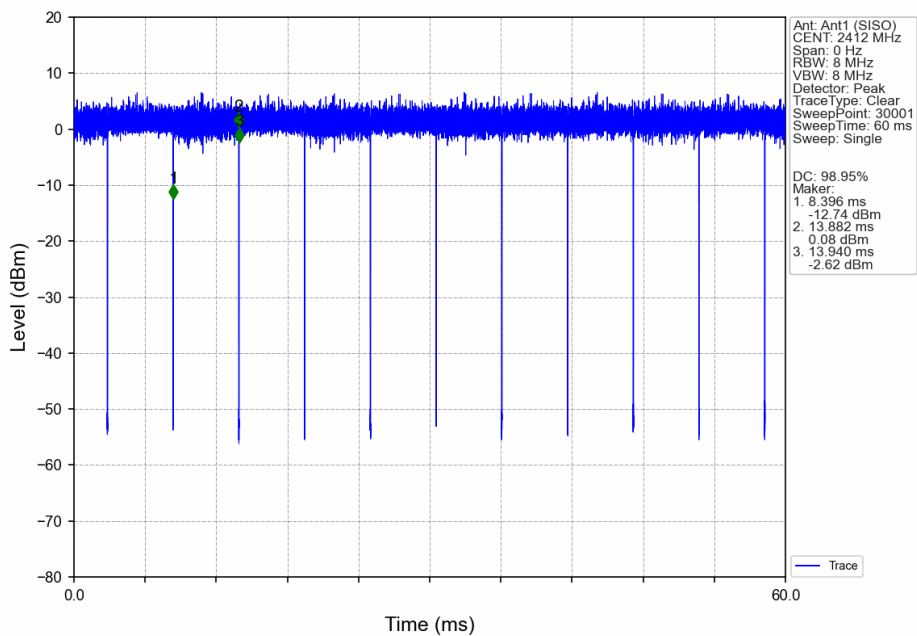


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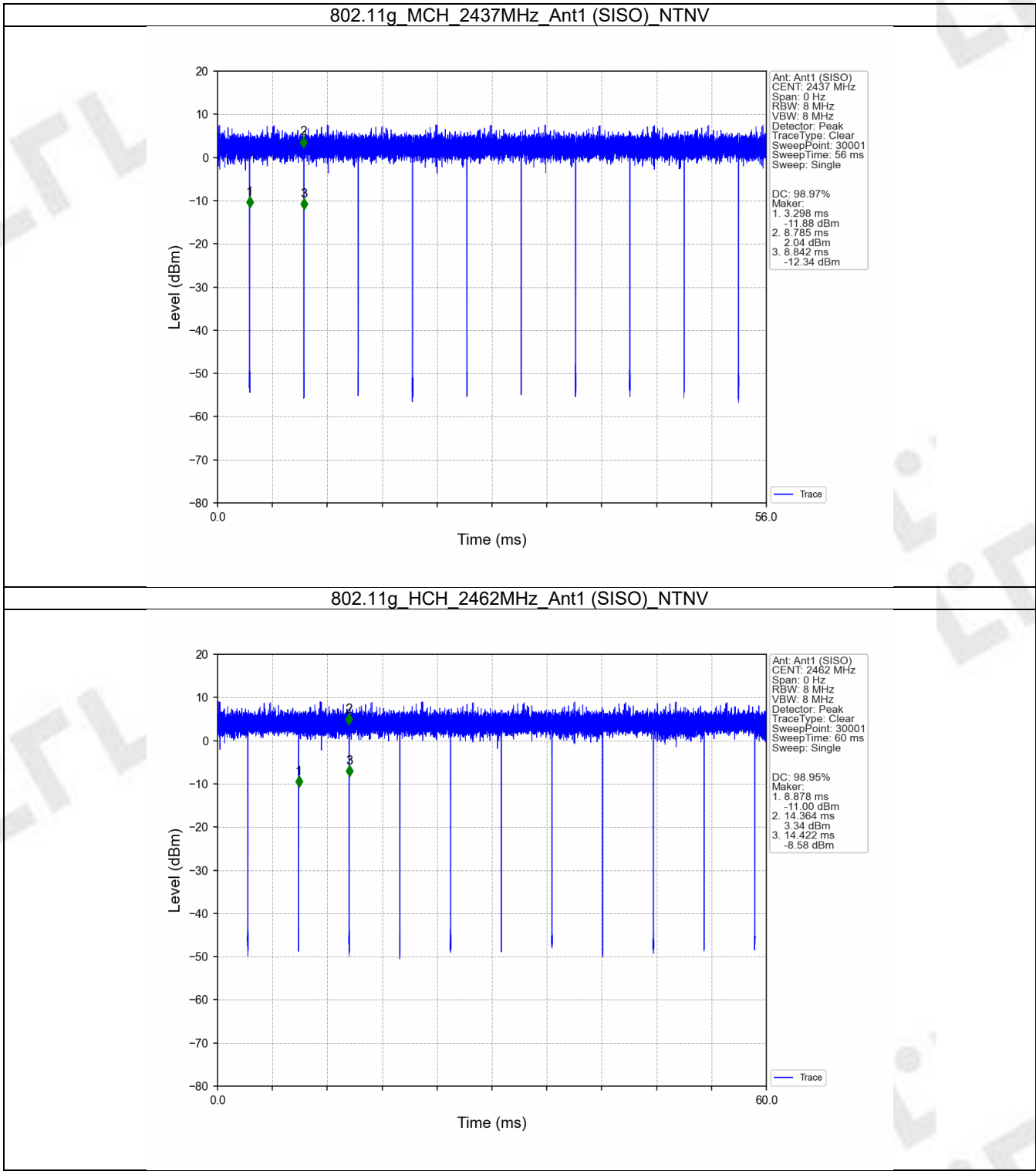
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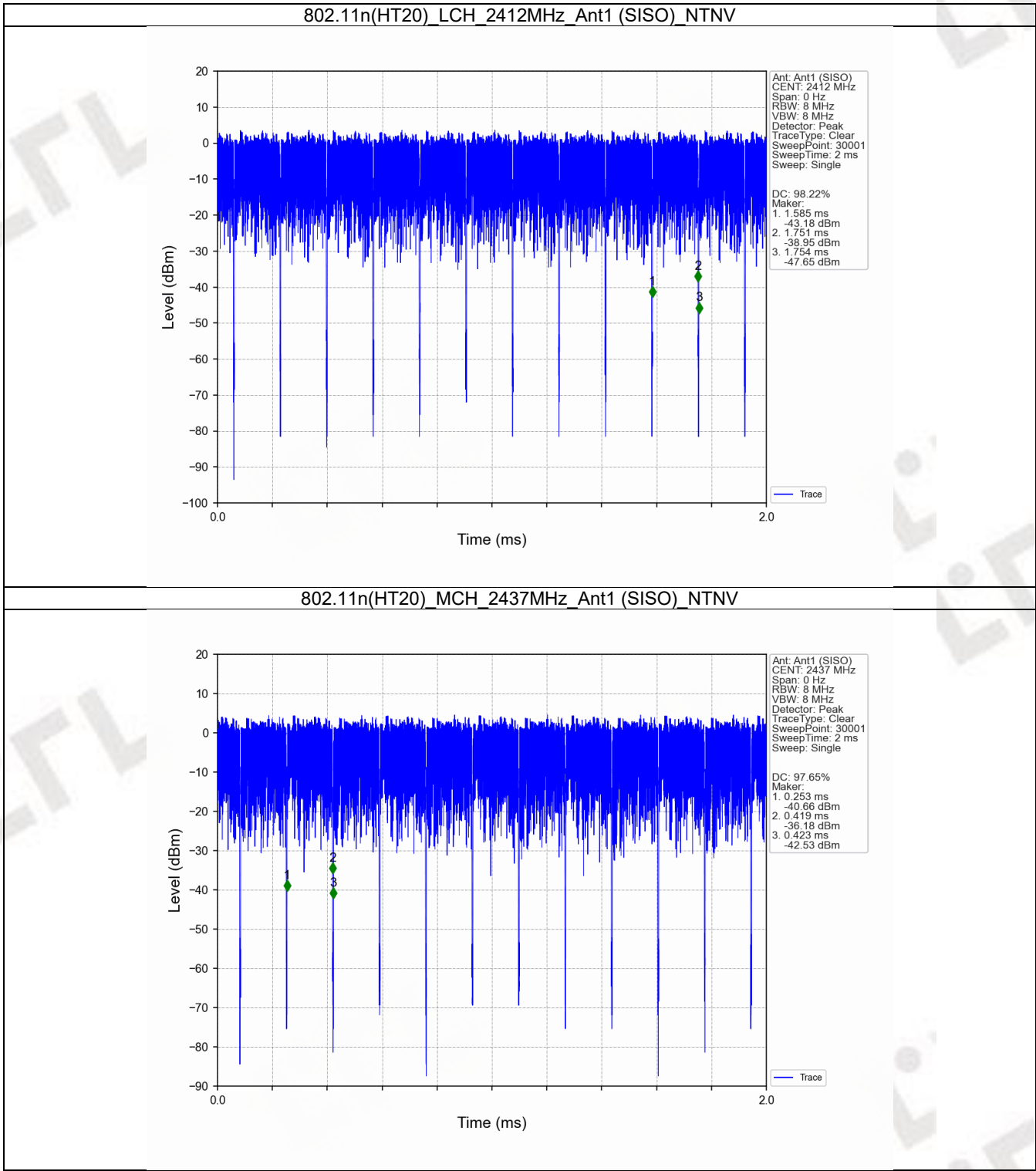
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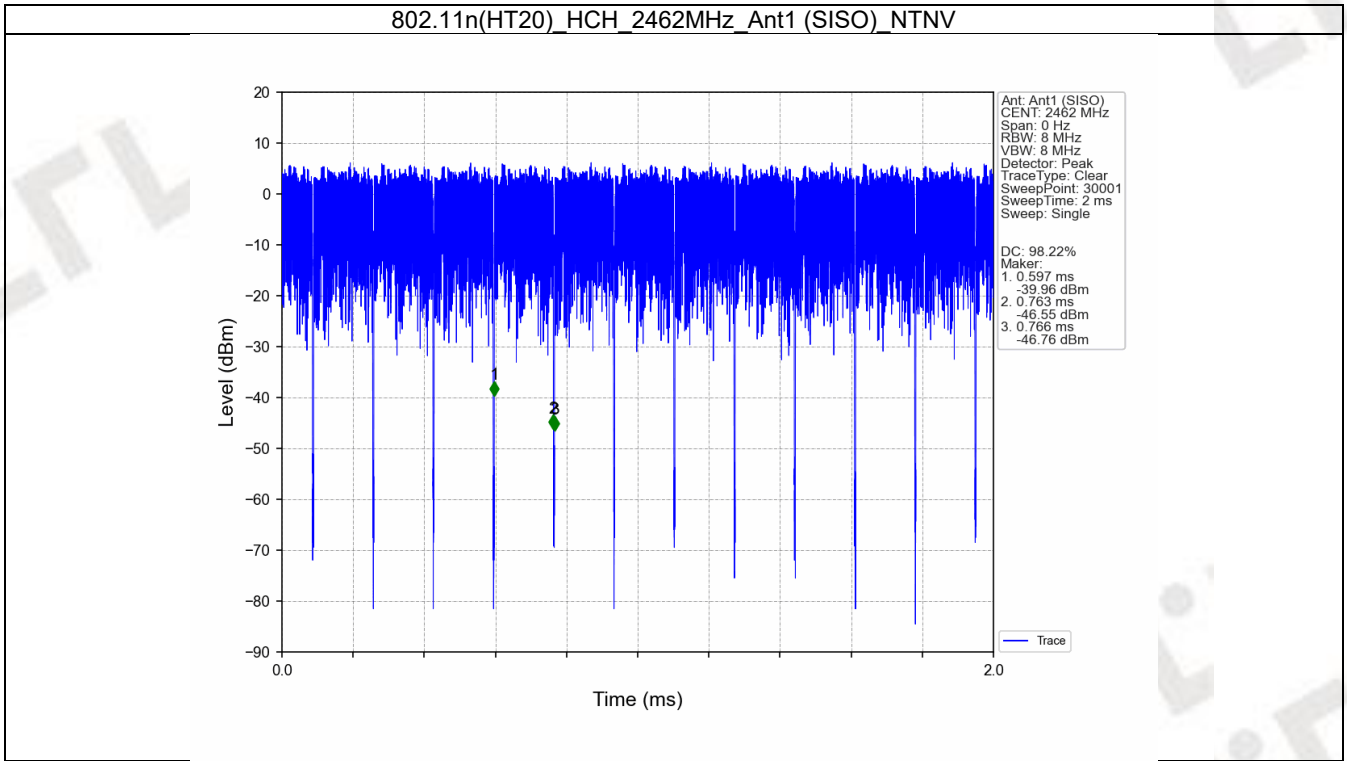
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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.012	/	Pass
		2437	1	13.933	/	Pass
		2462	1	13.892	/	Pass
802.11g	SISO	2412	1	17.575	/	Pass
		2437	1	17.477	/	Pass
		2462	1	17.510	/	Pass
802.11n (HT20)	SISO	2412	1	17.974	/	Pass
		2437	1	17.950	/	Pass
		2462	1	17.831	/	Pass

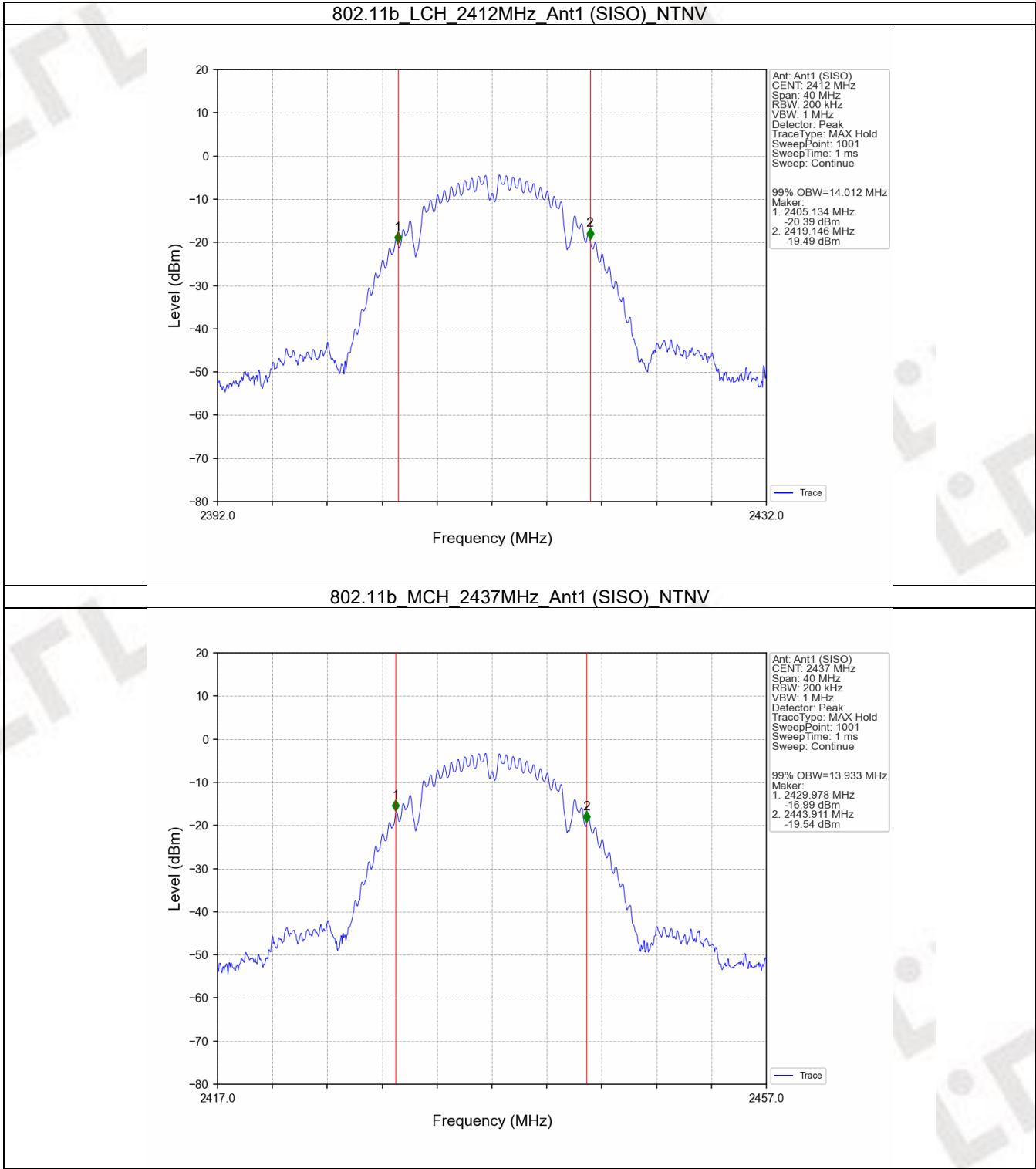
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.135	≥ 0.5	Pass
		2437	1	9.135	≥ 0.5	Pass
		2462	1	9.123	≥ 0.5	Pass
802.11g	SISO	2412	1	17.106	≥ 0.5	Pass
		2437	1	13.795	≥ 0.5	Pass
		2462	1	13.209	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	15.216	≥ 0.5	Pass
		2437	1	15.194	≥ 0.5	Pass
		2462	1	15.123	≥ 0.5	Pass

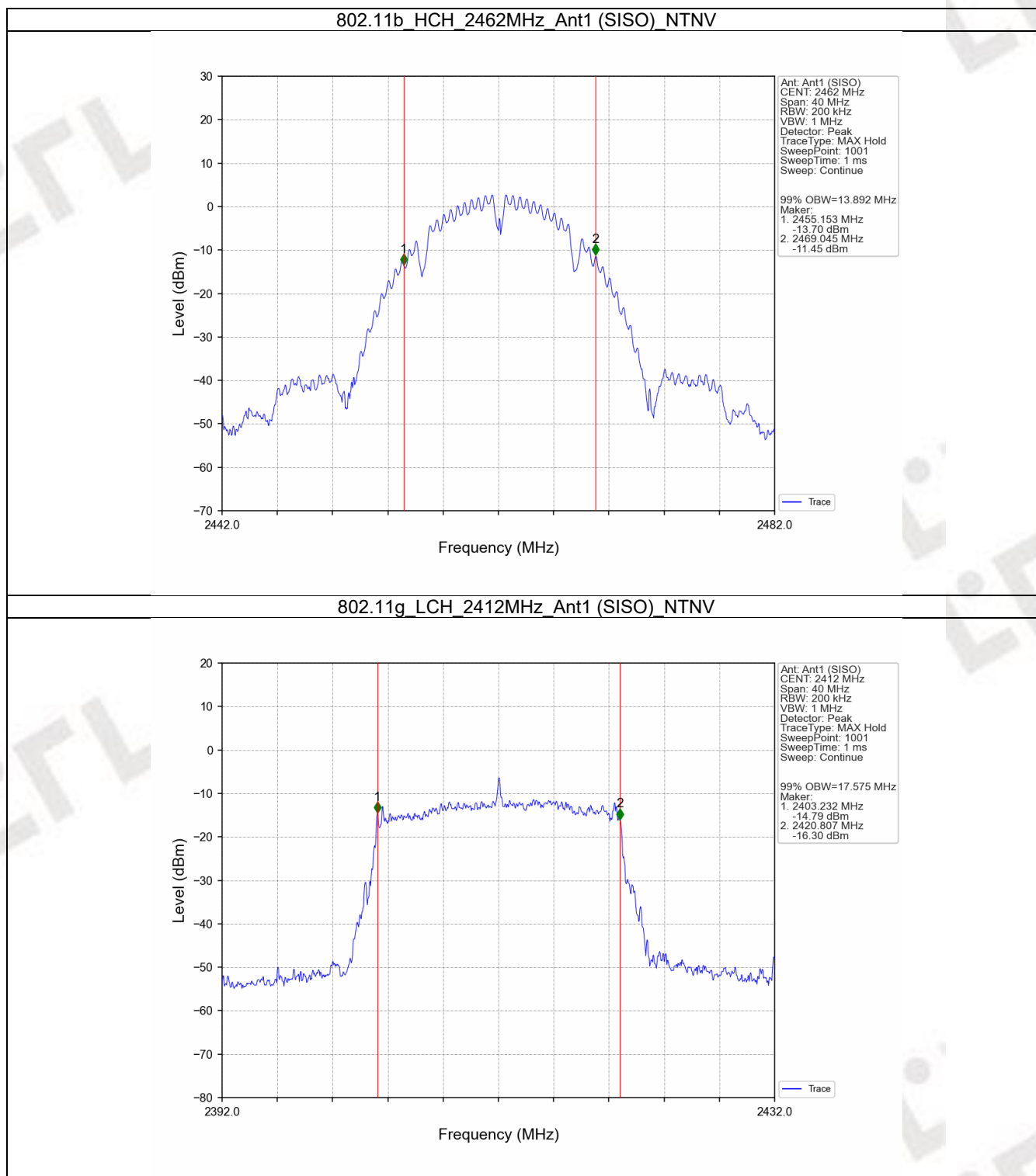
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2.2 Test Graph

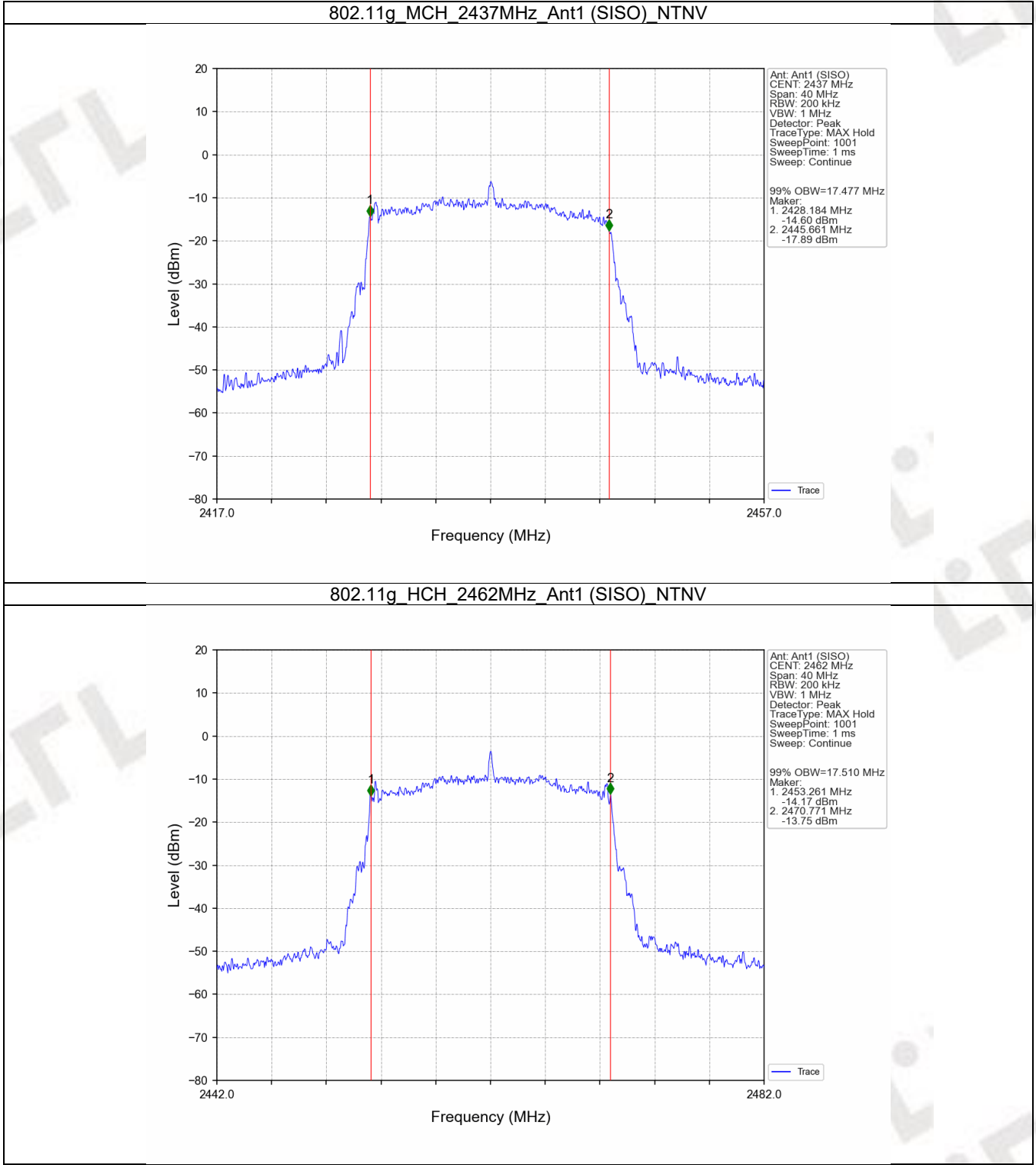
2.2.1 OBW



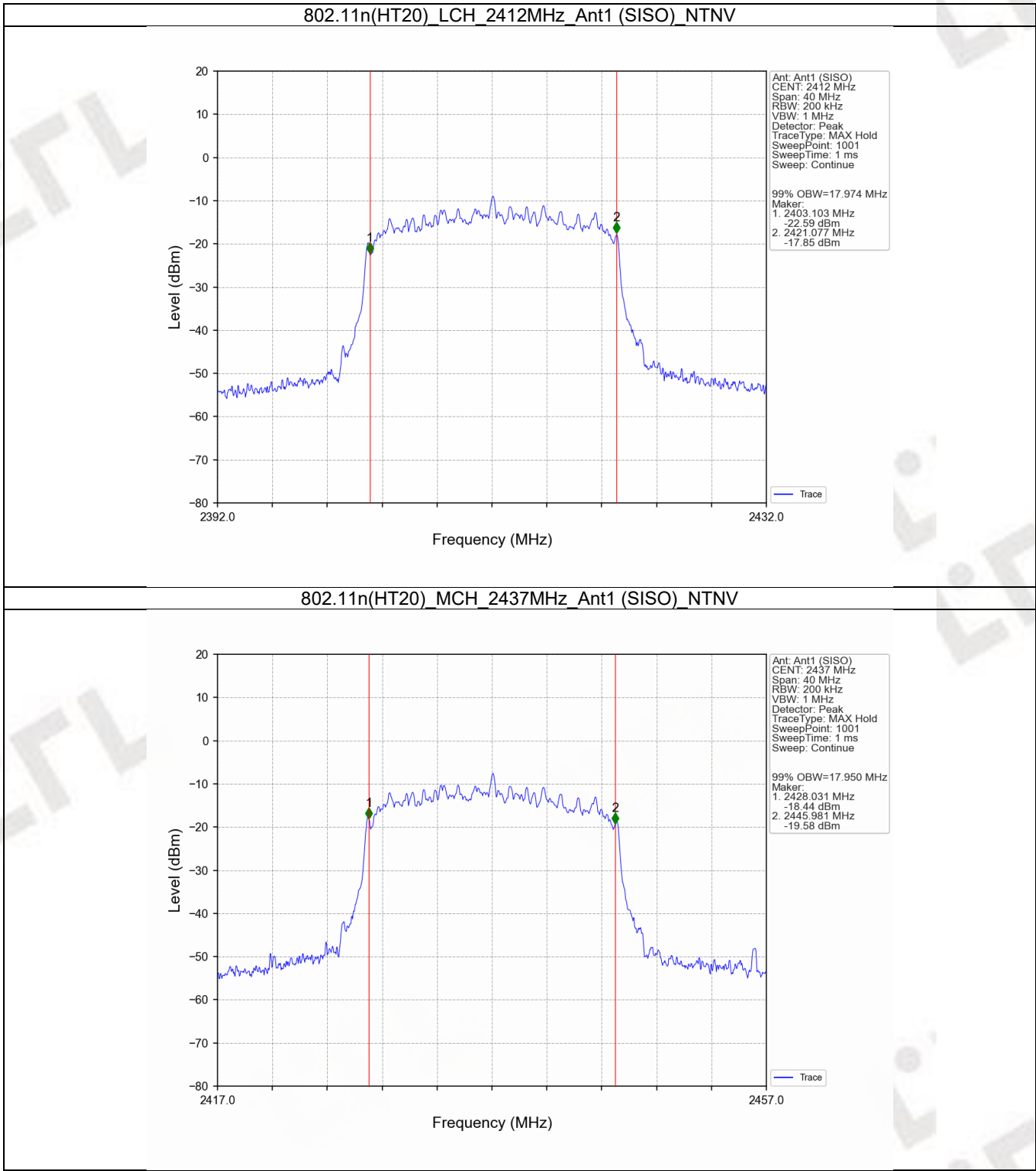
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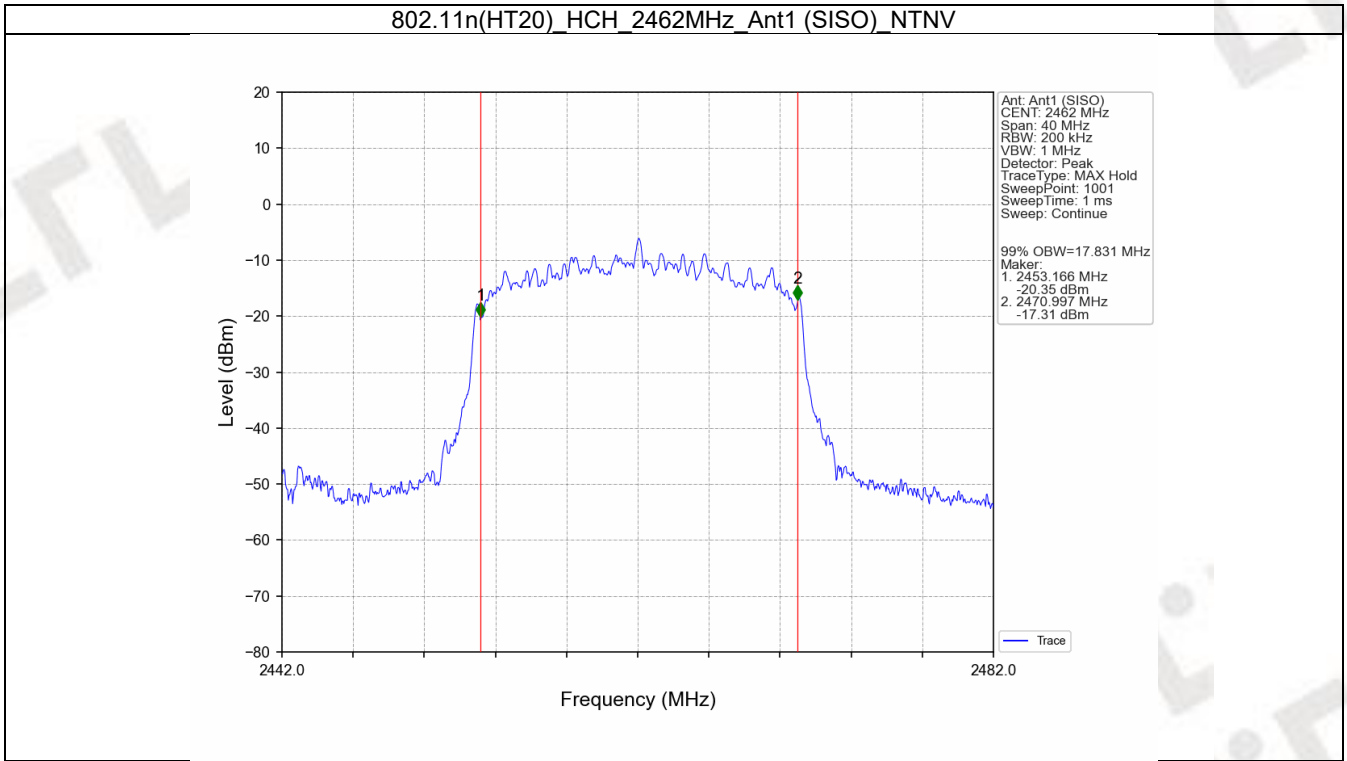
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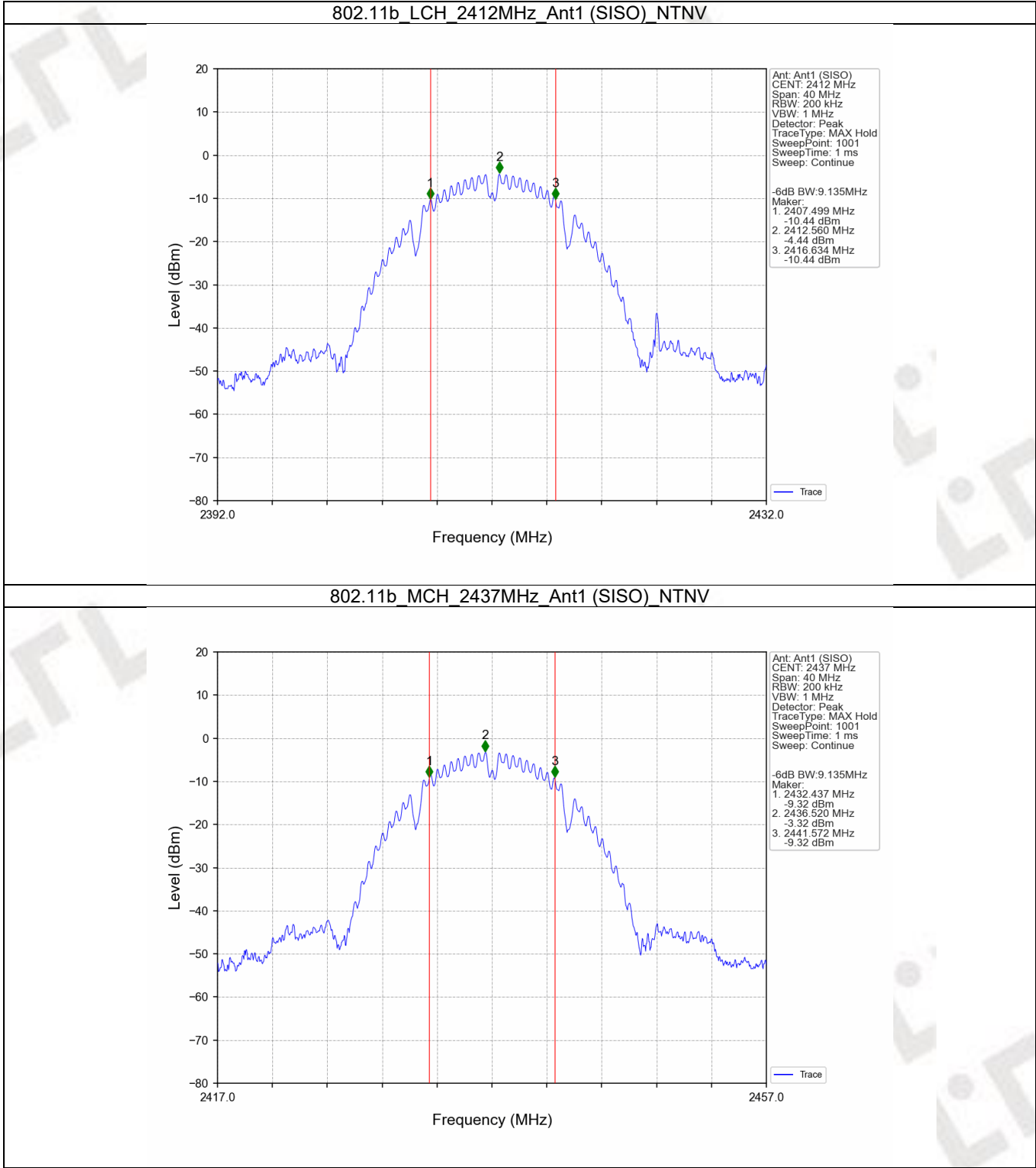
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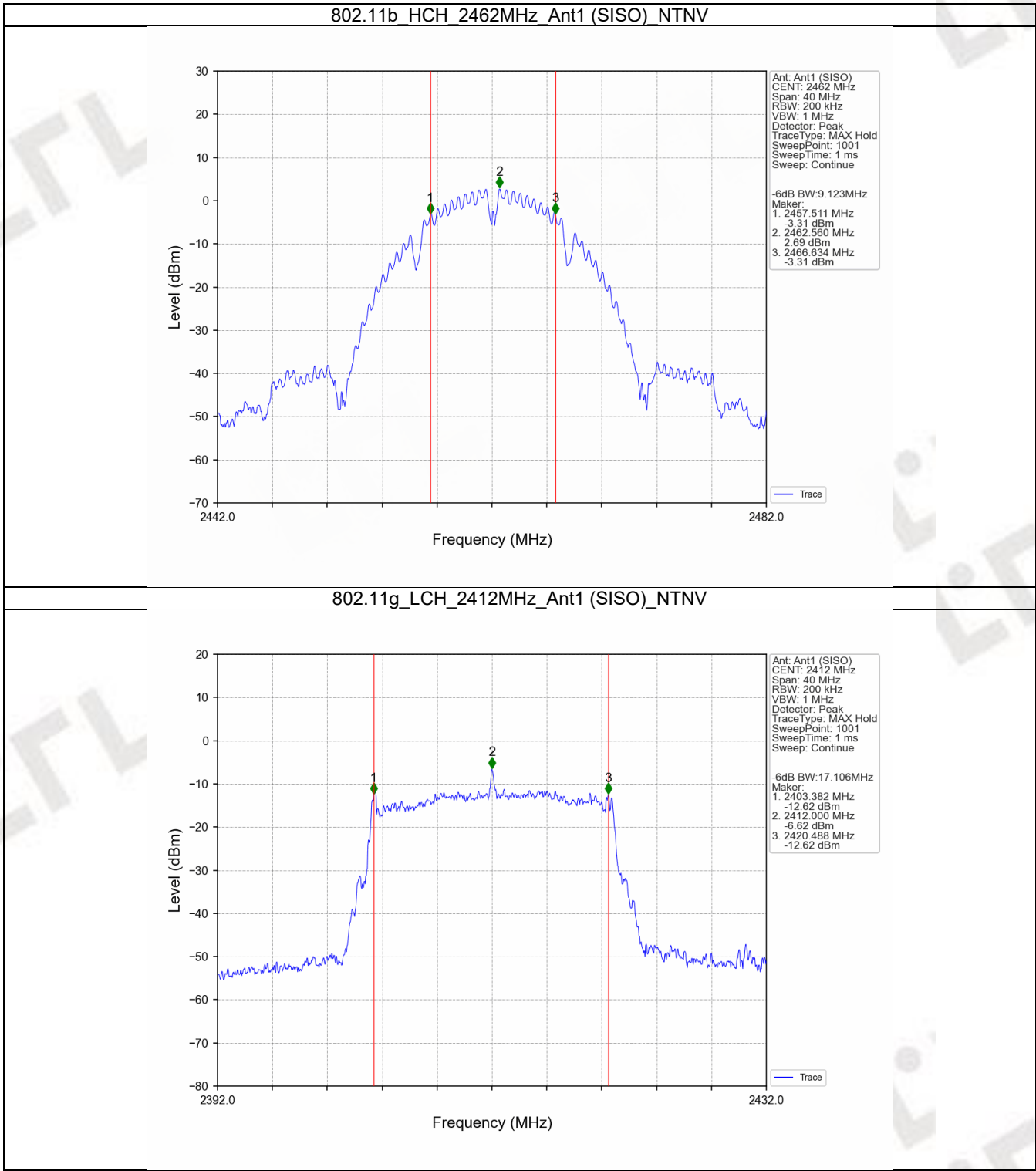
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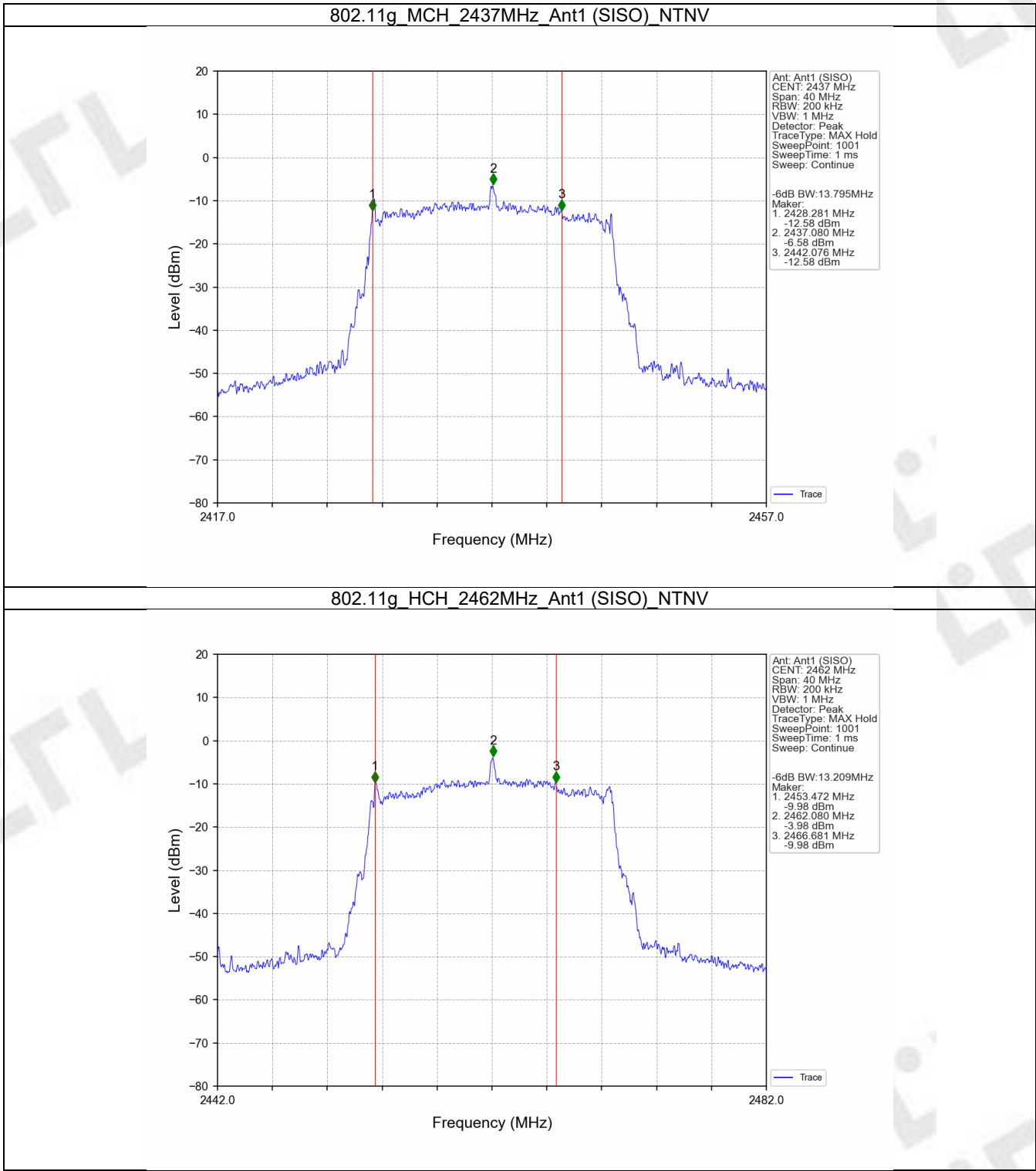
2.2.2 6dB BW



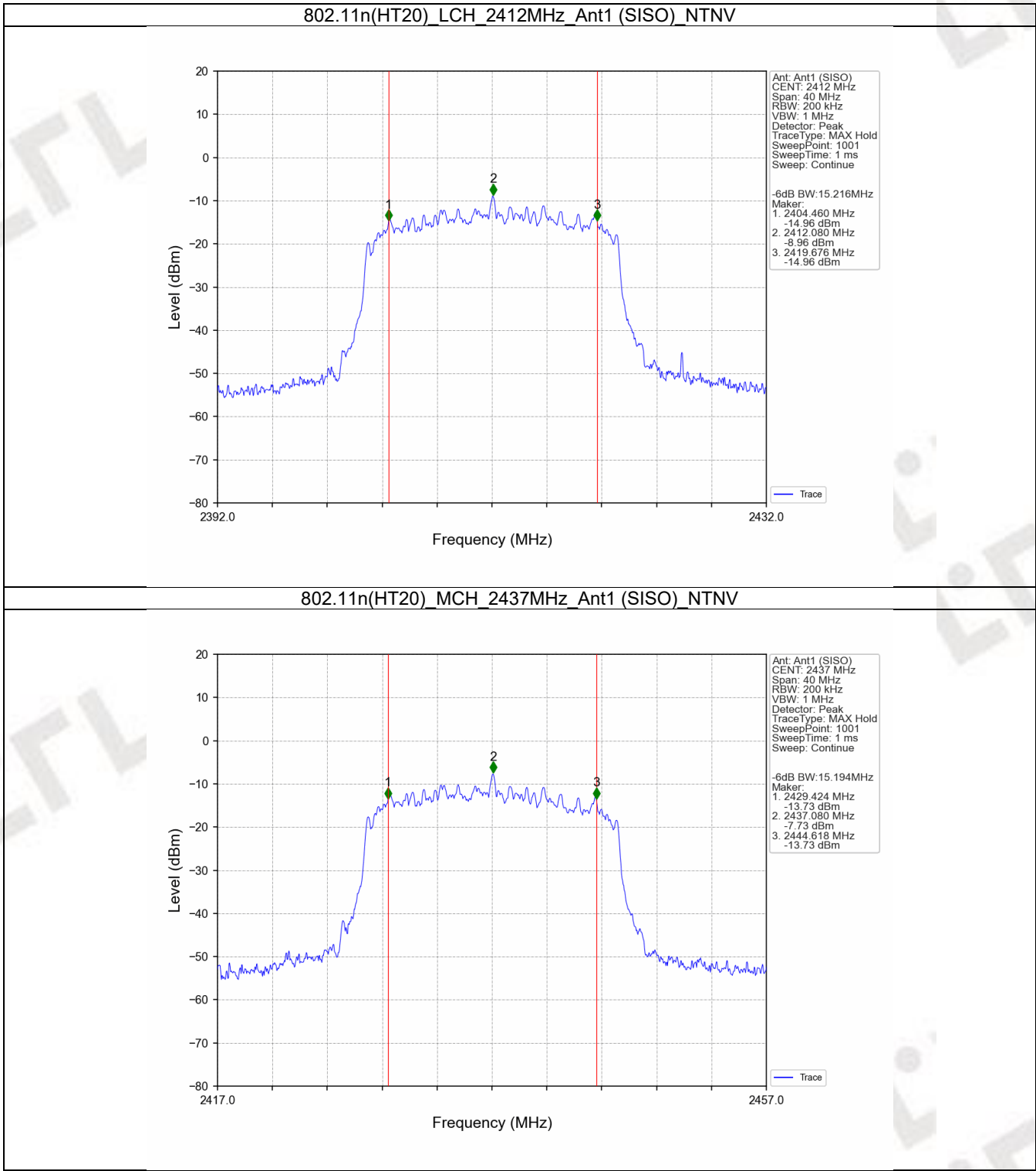
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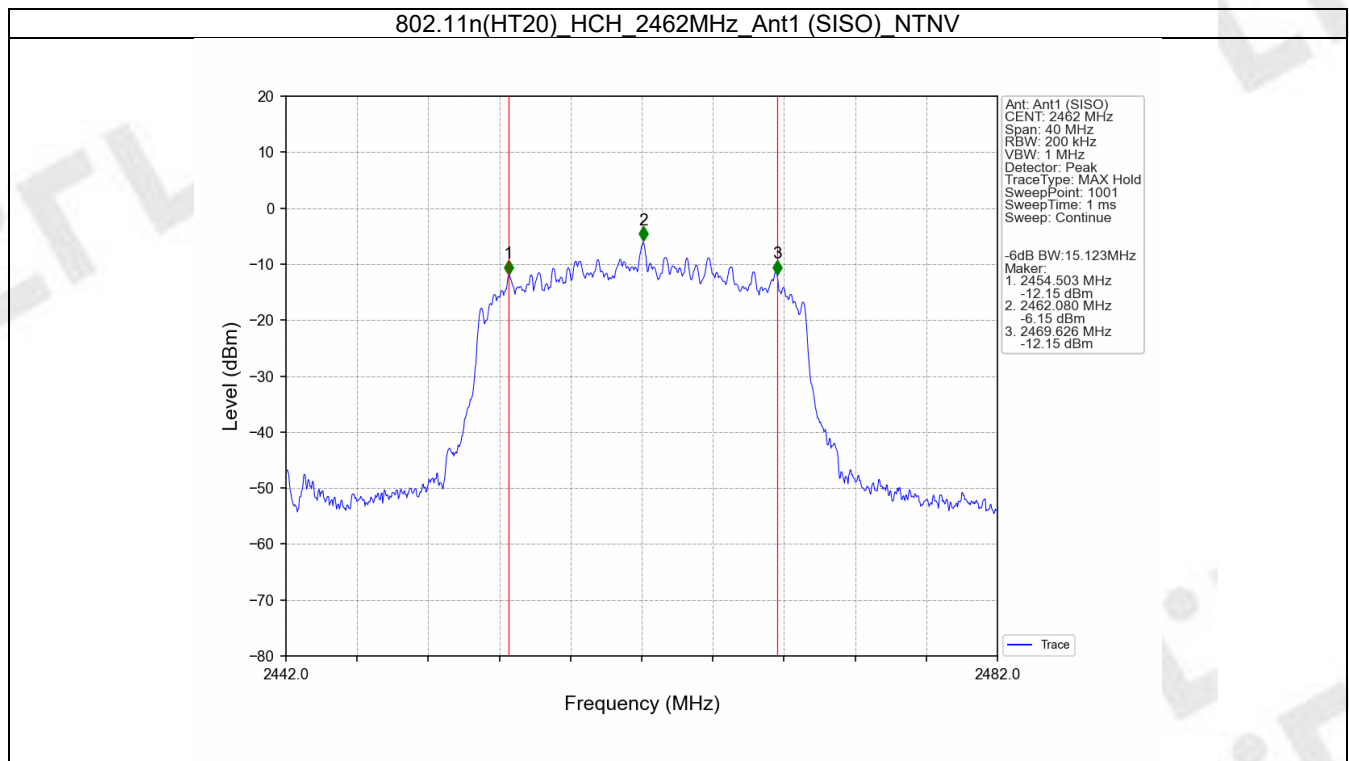
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FCC ID: 2BSEJ-Y26S



FCC ID: 2BSEJ-Y26S



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	6.57	<=30	Pass
		2437	7.69	<=30	Pass
		2462	6.28	<=30	Pass
802.11g	SISO	2412	6.62	<=30	Pass
		2437	7.17	<=30	Pass
		2462	8.35	<=30	Pass
802.11n (HT20)	SISO	2412	5.21	<=30	Pass
		2437	6.29	<=30	Pass
		2462	7.65	<=30	Pass
Note1: Antenna Gain: Ant1: -0.45dBi;					

FCC ID: 2BSEJ-Y26S

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

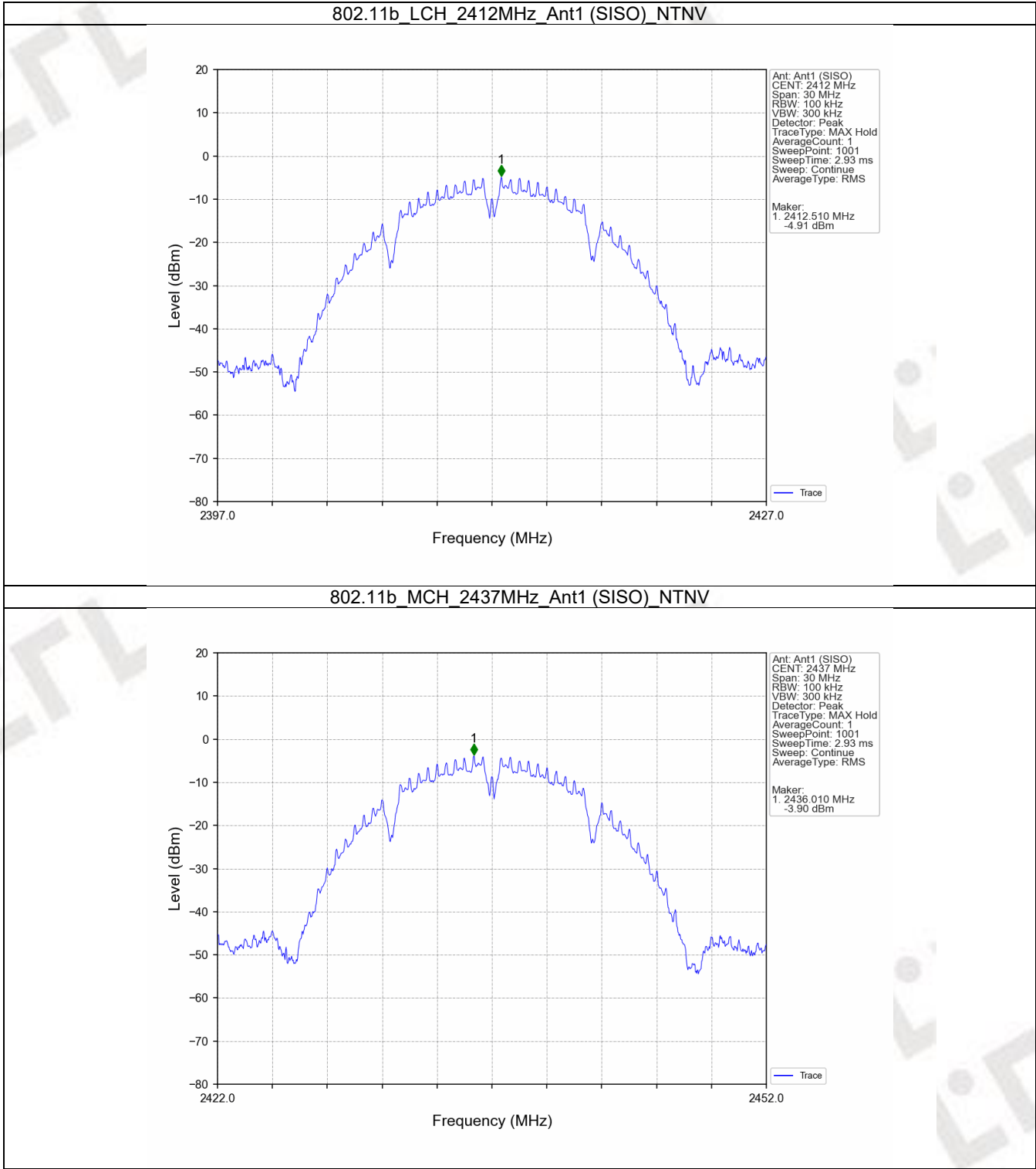
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
802.11b	SISO	2412	-4.91dBm/100kHz	<=8	Pass
		2437	-3.90dBm/100kHz	<=8	Pass
		2462	-5.28dBm/100kHz	<=8	Pass
802.11g	SISO	2412	-9.40dBm/100kHz	<=8	Pass
		2437	-7.82dBm/100kHz	<=8	Pass
		2462	-6.06dBm/100kHz	<=8	Pass
802.11n (HT20)	SISO	2412	-12.01dBm/100kHz	<=8	Pass
		2437	-10.95dBm/100kHz	<=8	Pass
		2462	-9.31dBm/100kHz	<=8	Pass

Note1: Antenna Gain: Ant1: -0.45dBi;

FCC ID: 2BSEJ-Y26S

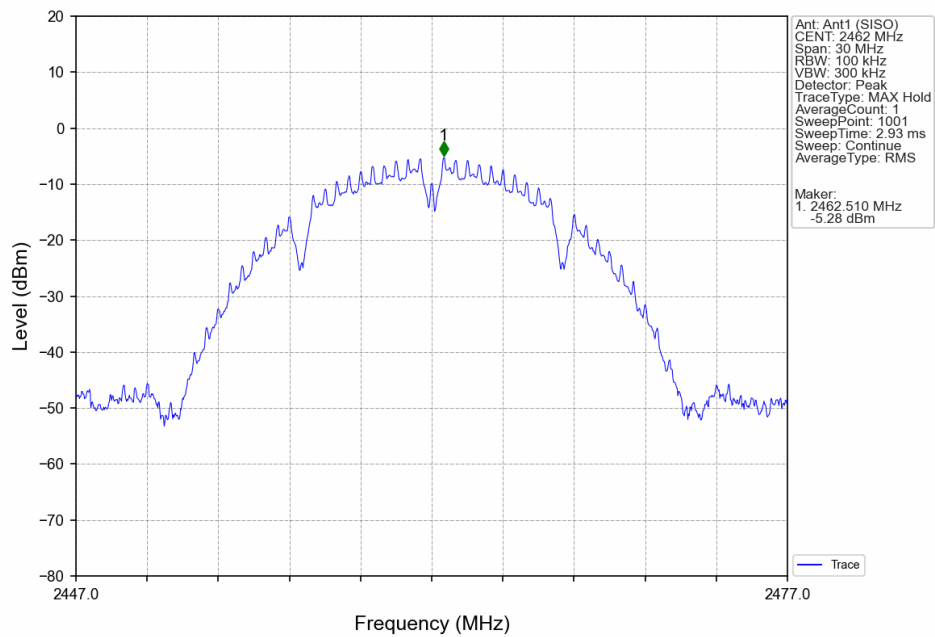
4.2 Test Graph

4.2.1 PSD

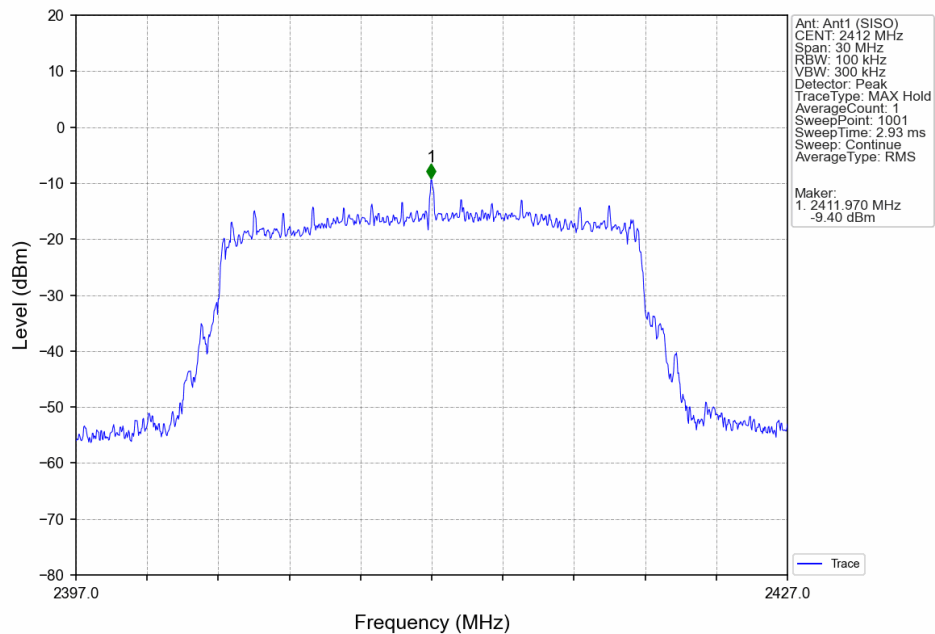


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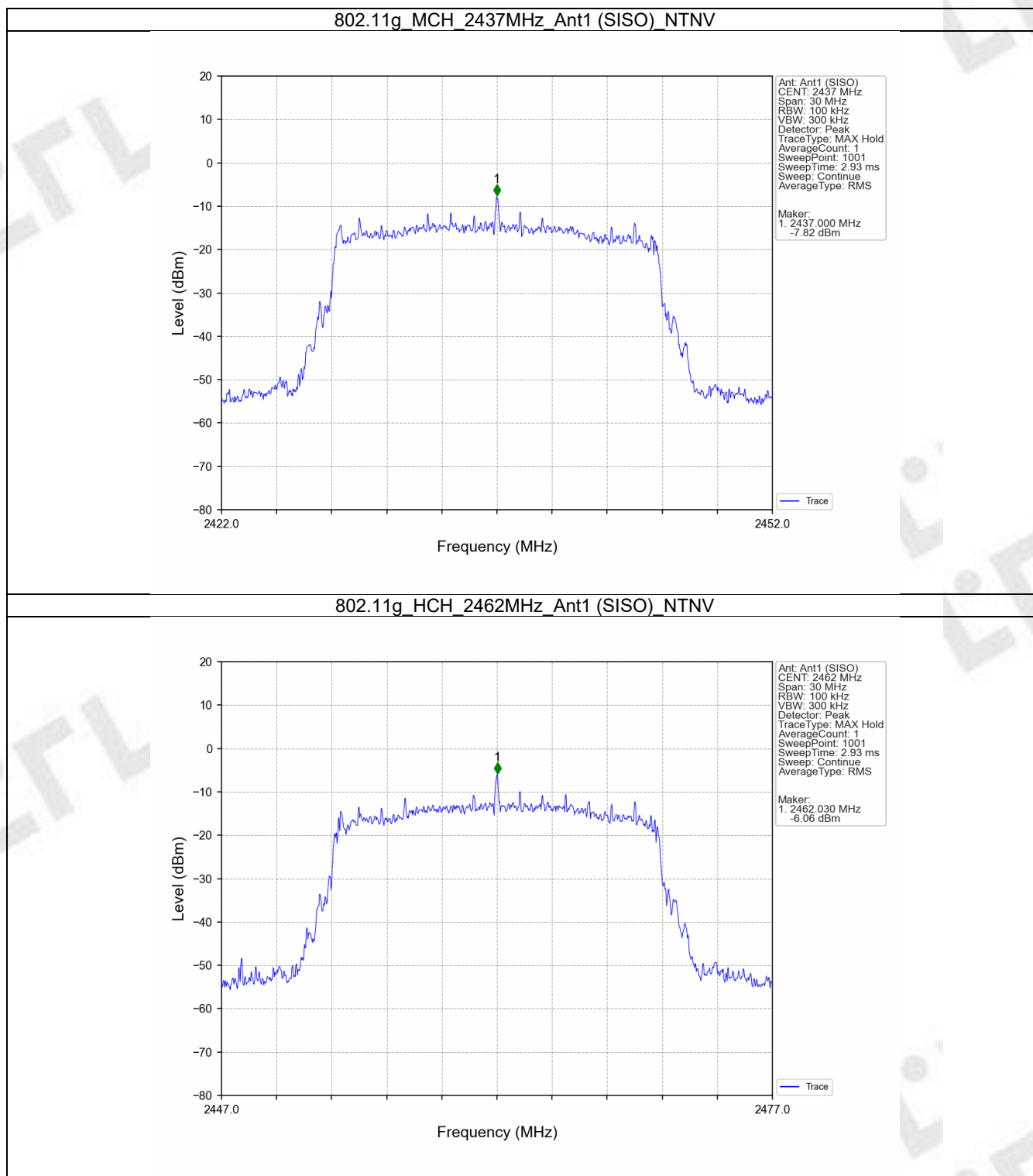
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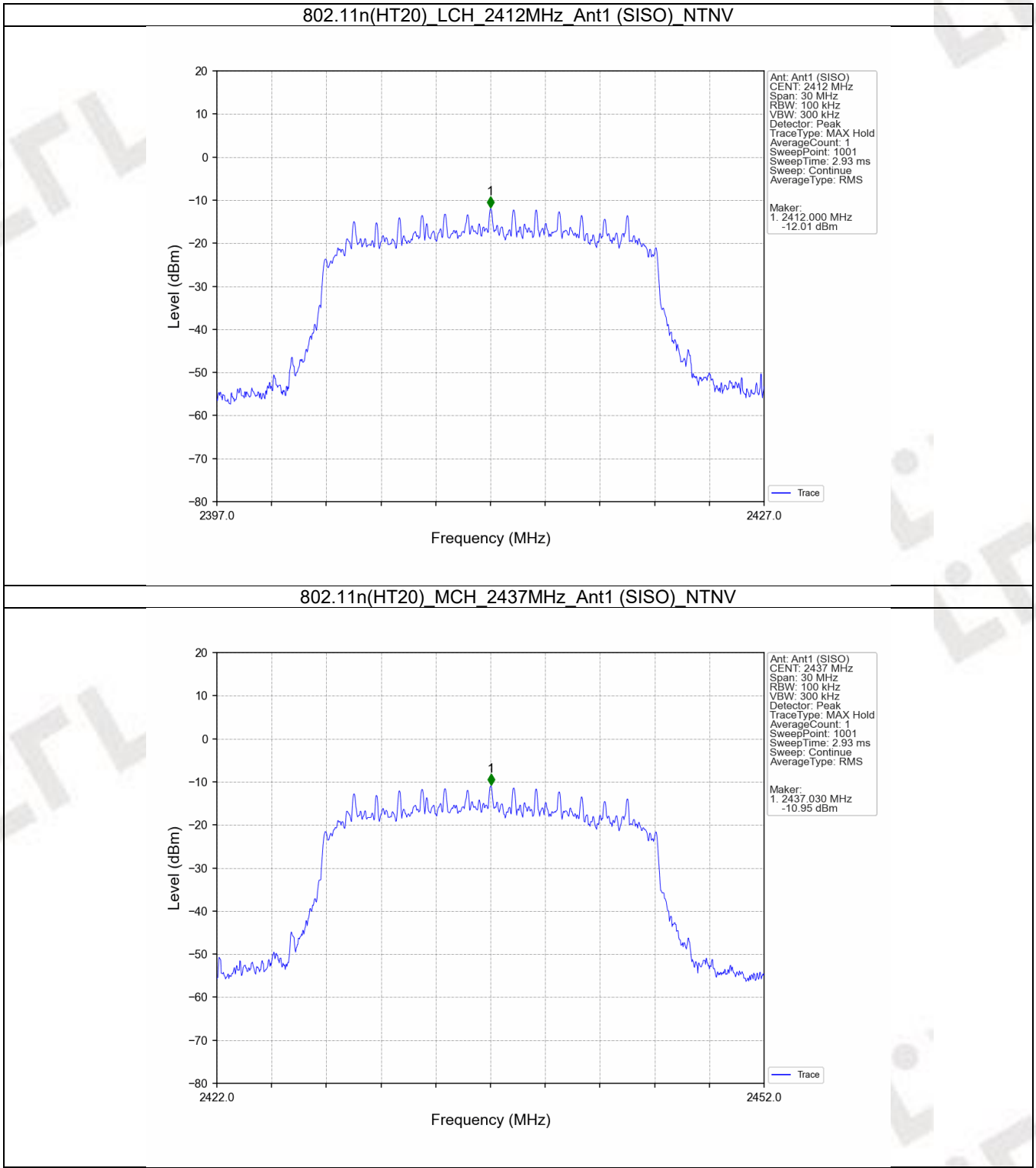
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



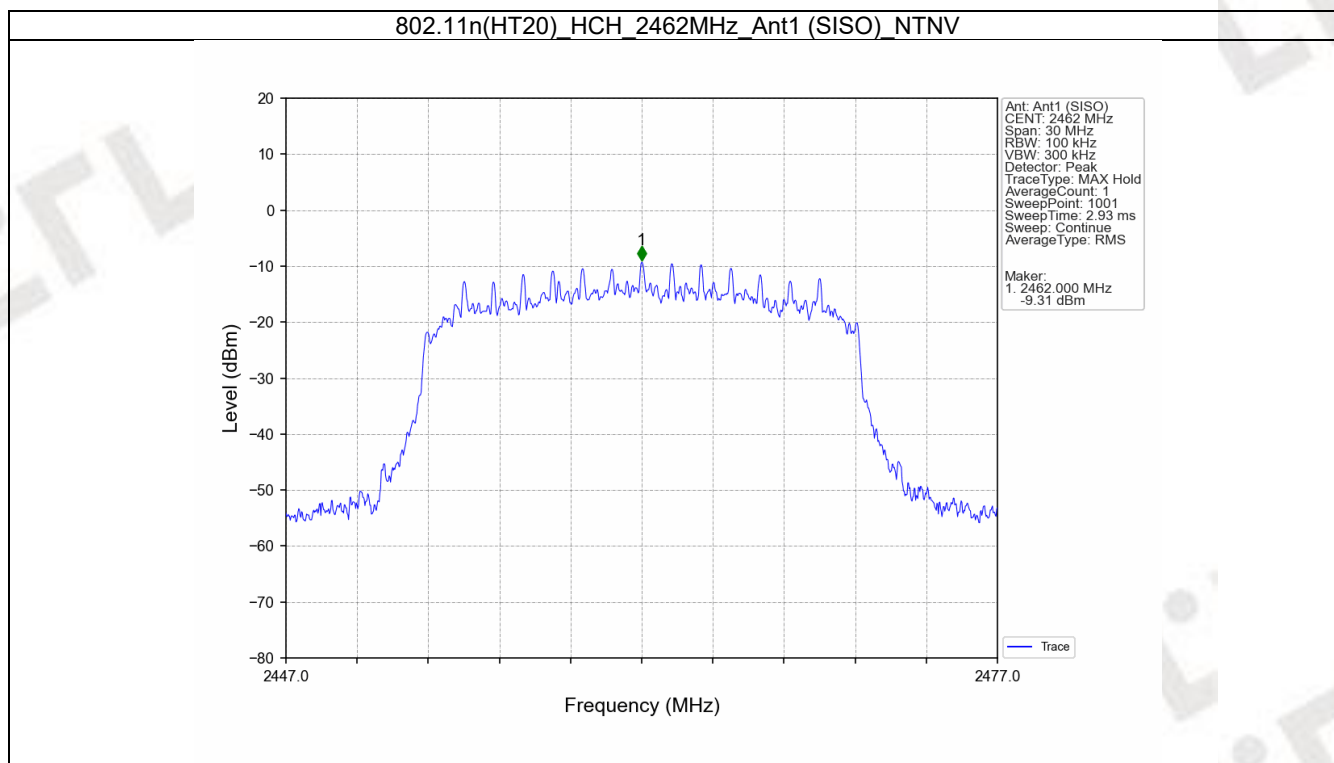
FCC ID: 2BSEJ-Y26S



FCC ID: 2BSEJ-Y26S



FCC ID: 2BSEJ-Y26S



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	-4.85
		2437	1	-4.01
		2462	1	-5.17
802.11g	SISO	2412	1	-10.19
		2437	1	-8.08
		2462	1	-6.51
802.11n (HT20)	SISO	2412	1	-11.77
		2437	1	-11.04
		2462	1	-9.47

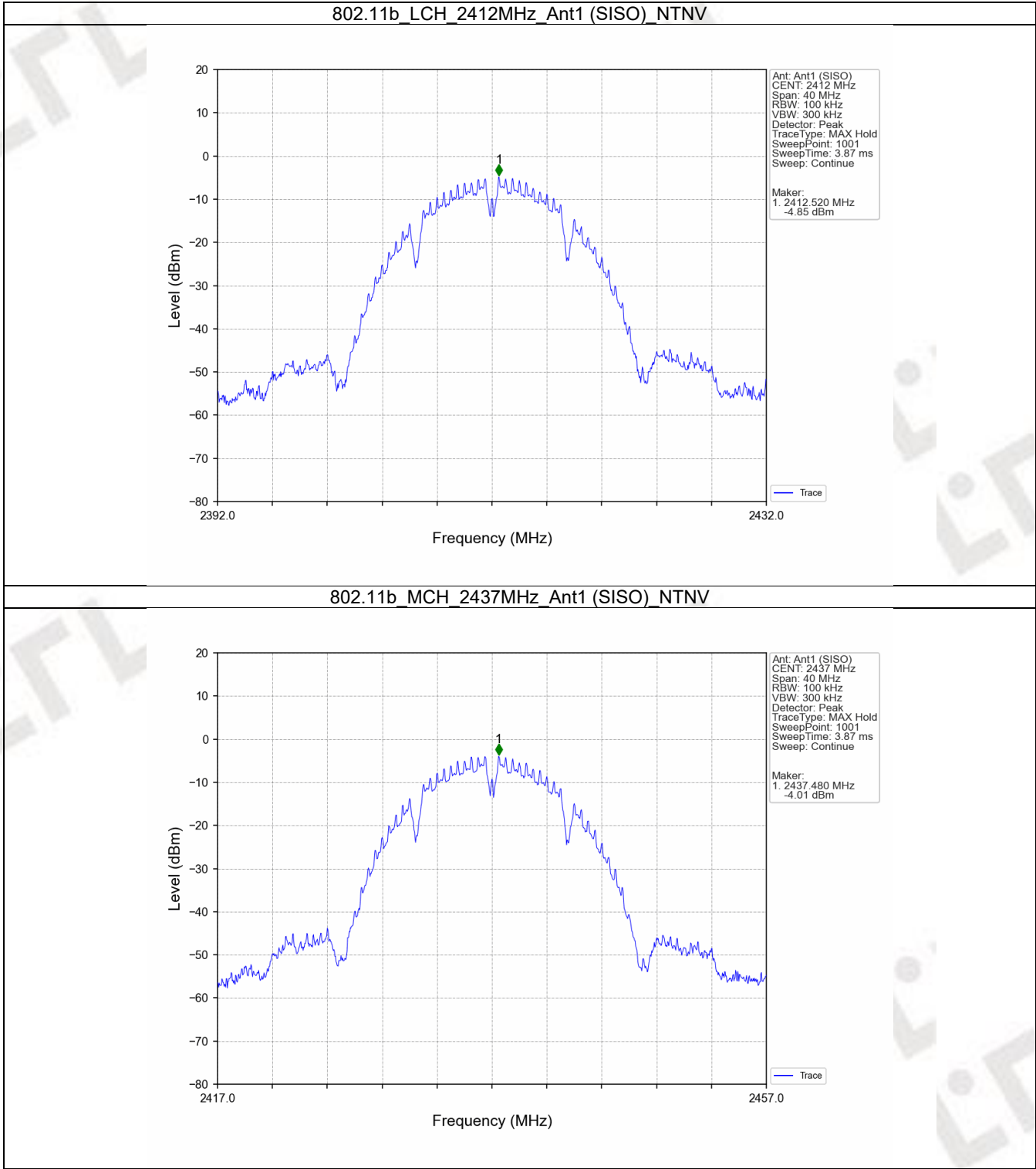
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-4.85	-24.85	Pass
		2437	1	-4.01	-24.01	Pass
		2462	1	-5.17	-25.17	Pass
802.11g	SISO	2412	1	-10.19	-30.19	Pass
		2437	1	-8.08	-28.08	Pass
		2462	1	-6.51	-26.51	Pass
802.11n (HT20)	SISO	2412	1	-11.77	-31.77	Pass
		2437	1	-11.04	-31.04	Pass
		2462	1	-9.47	-29.47	Pass

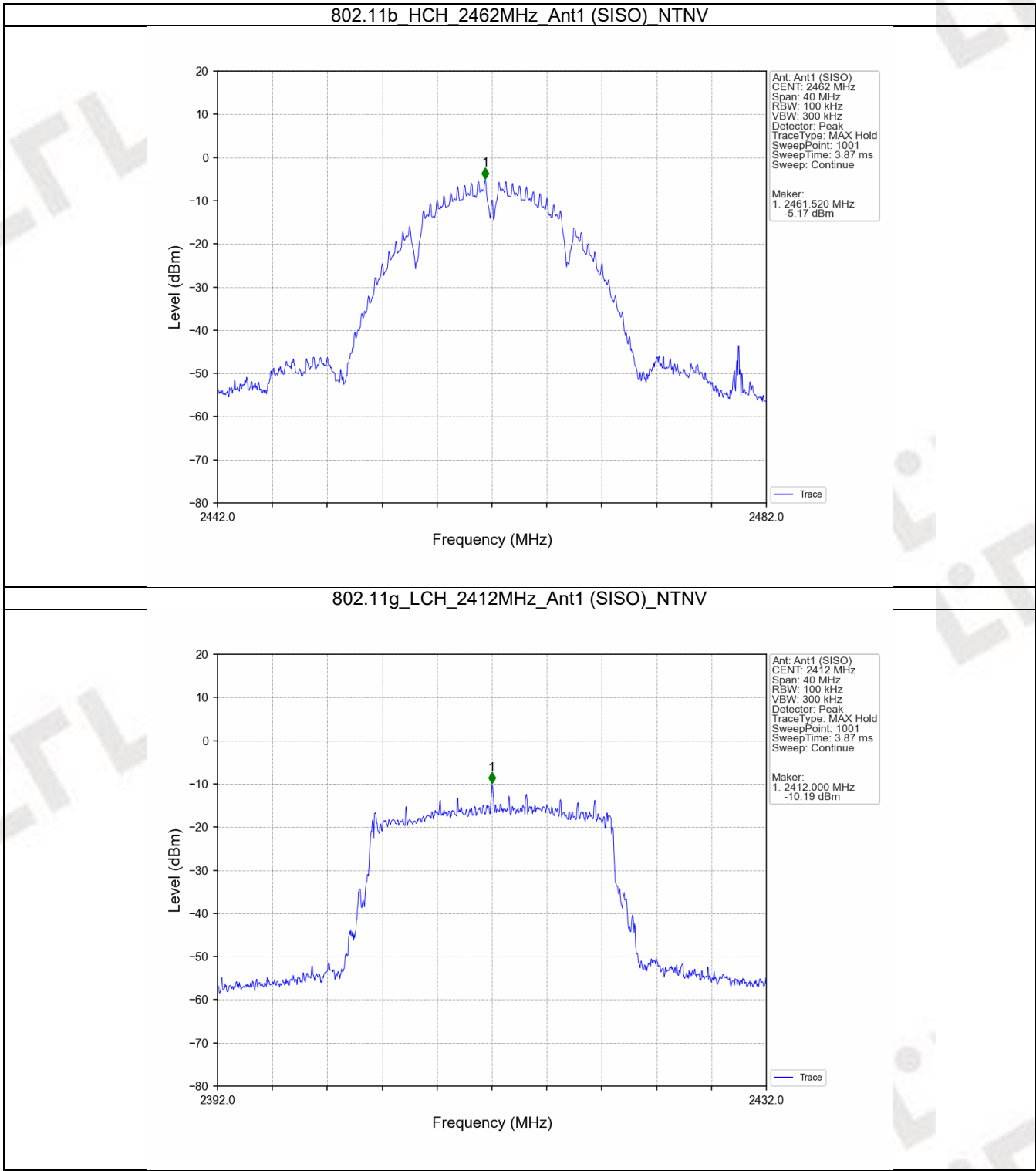
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5.2 Test Graph

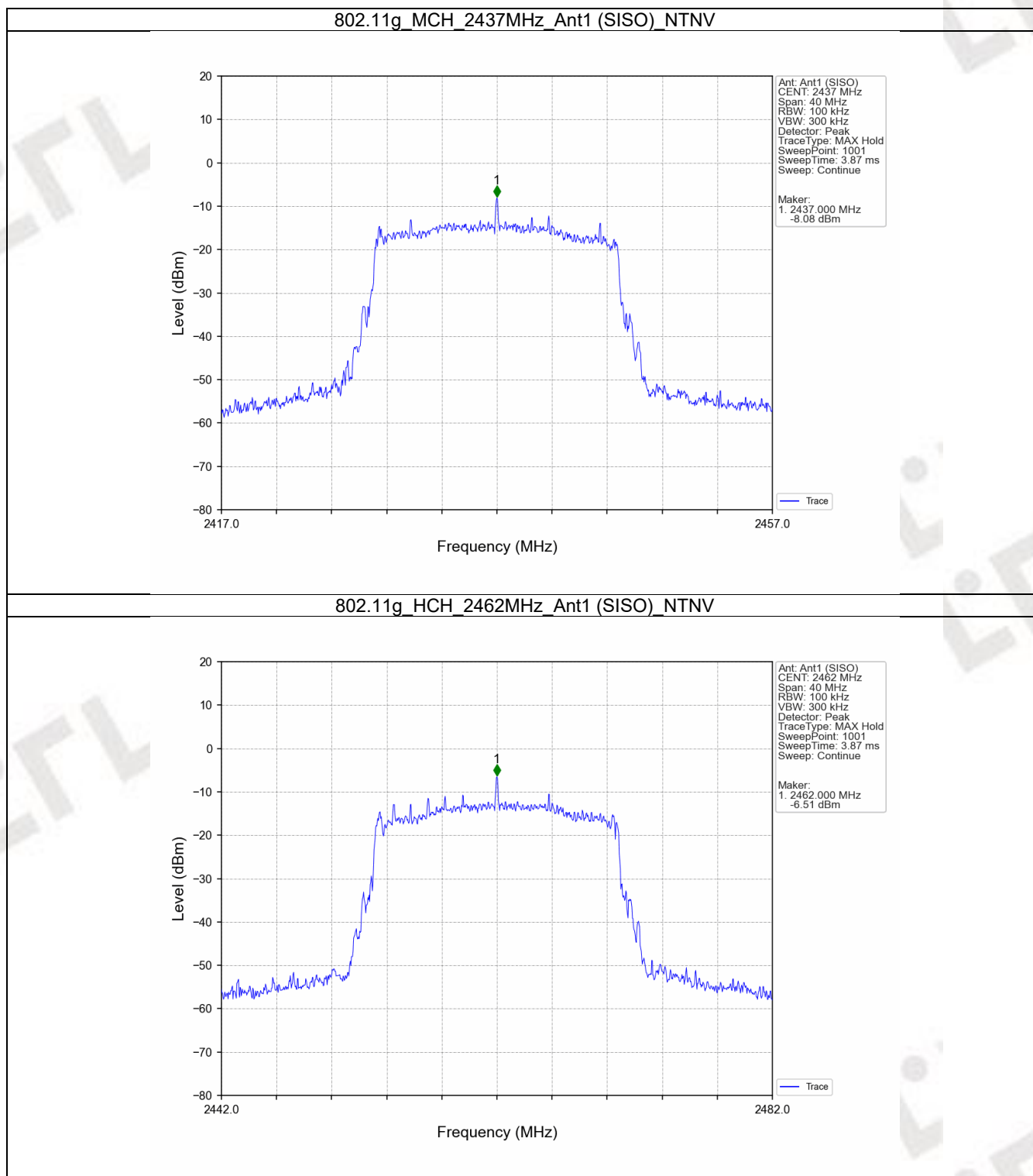
5.2.1 Ref



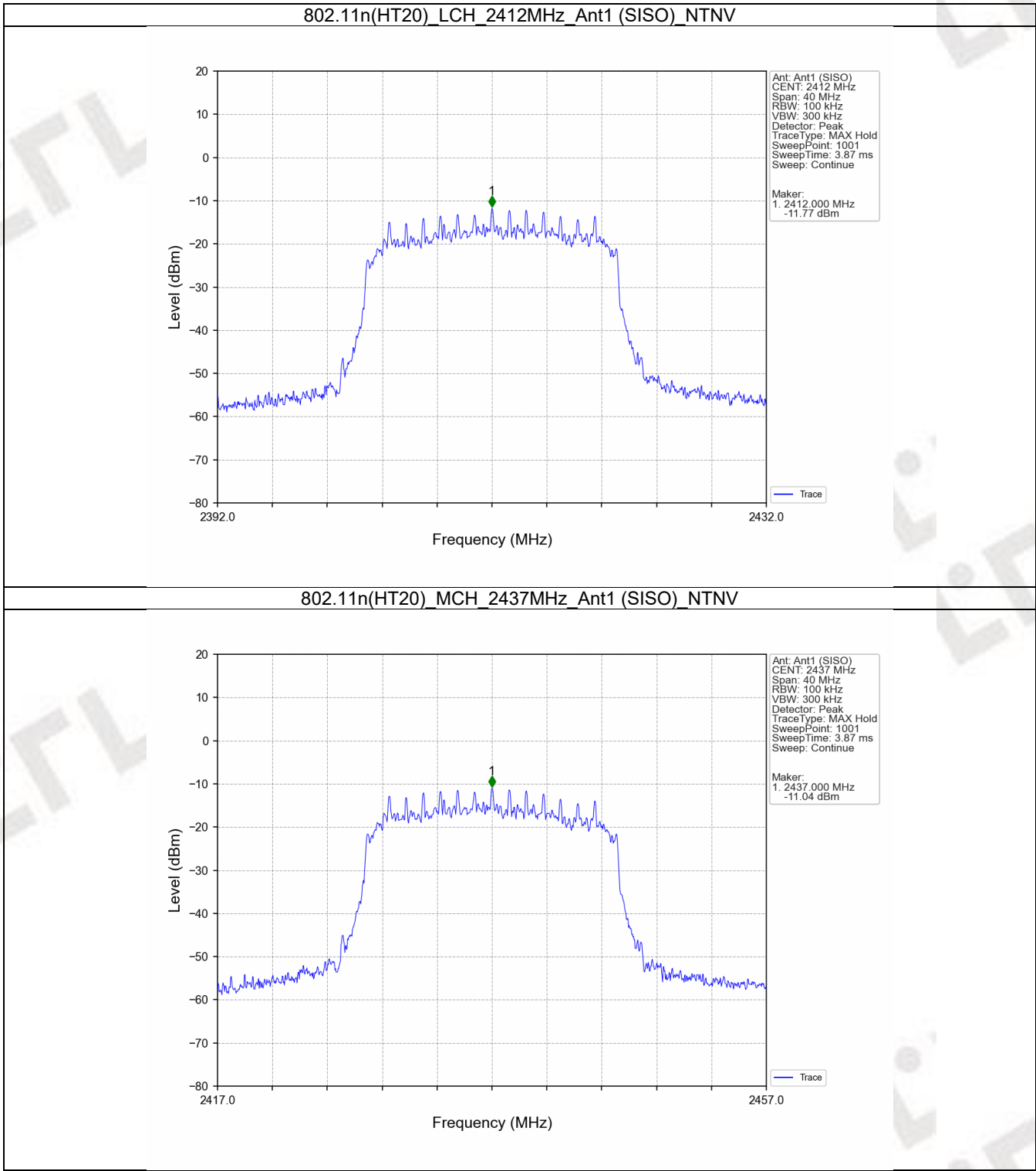
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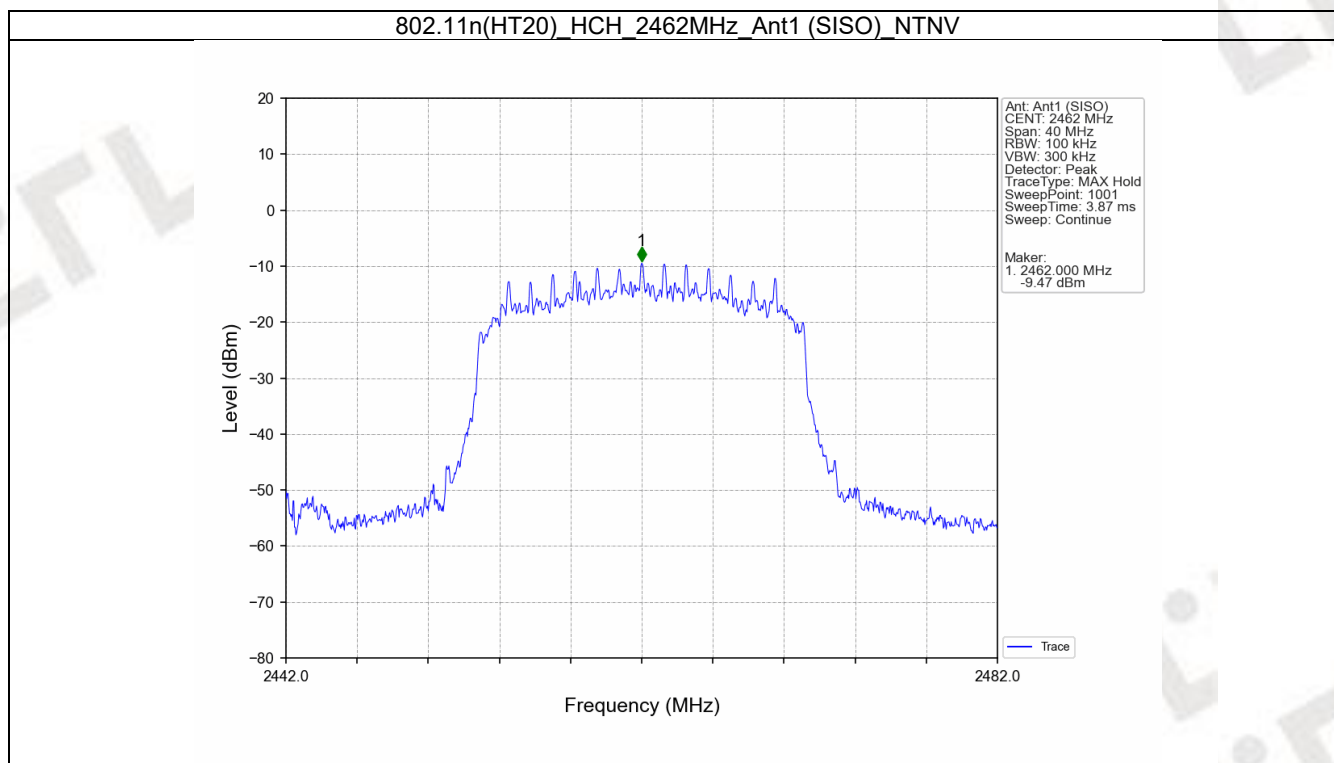
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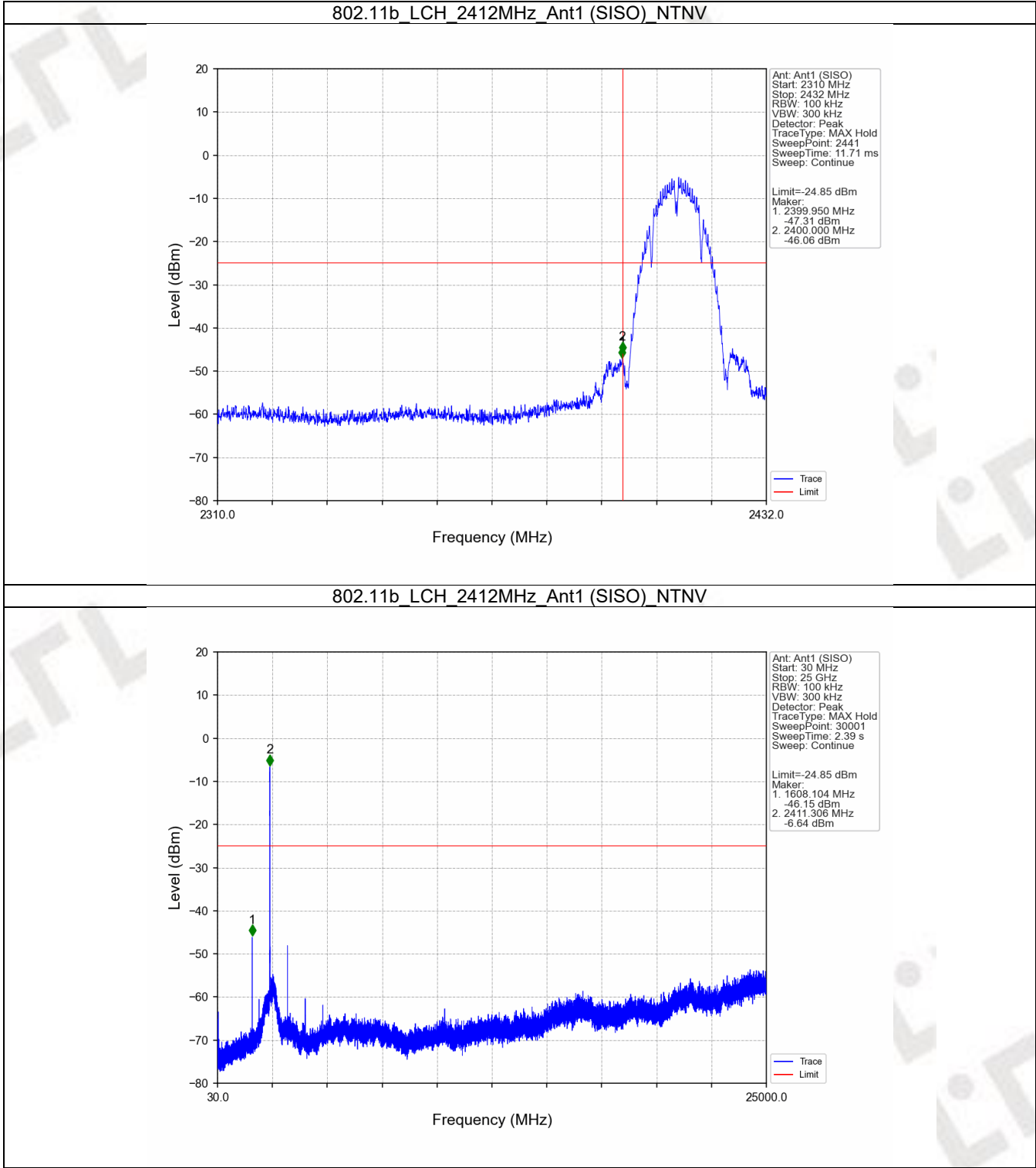
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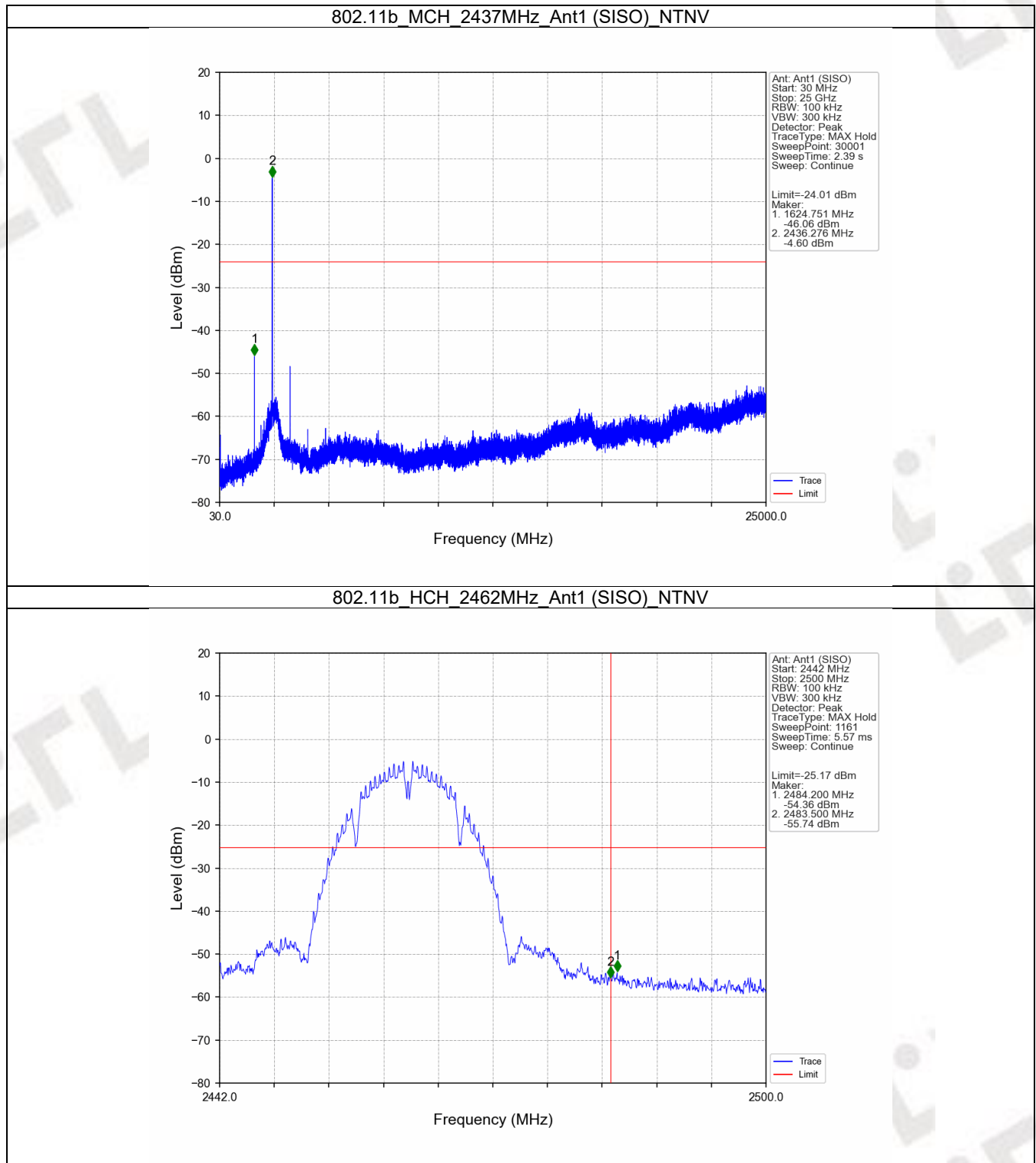
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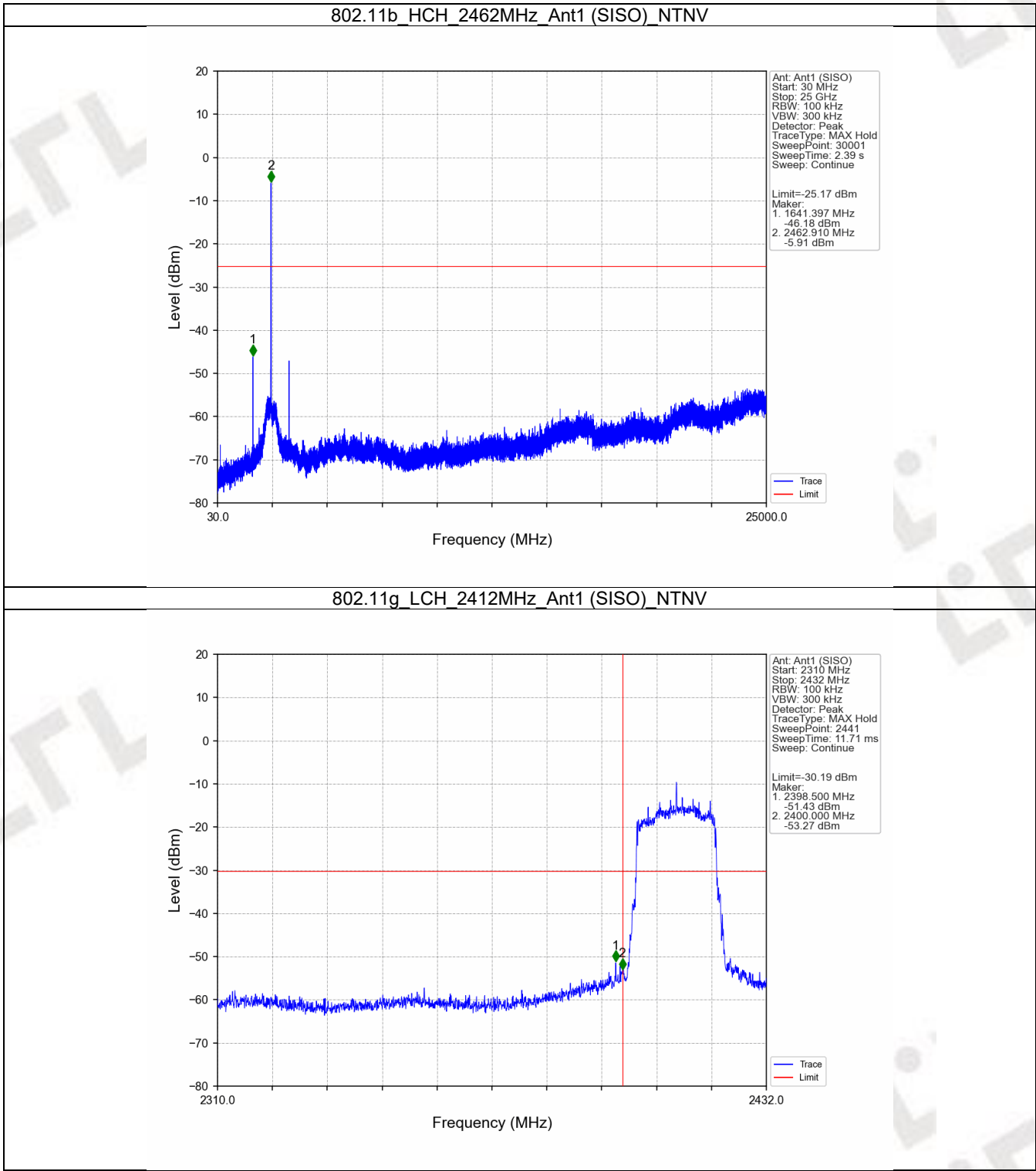
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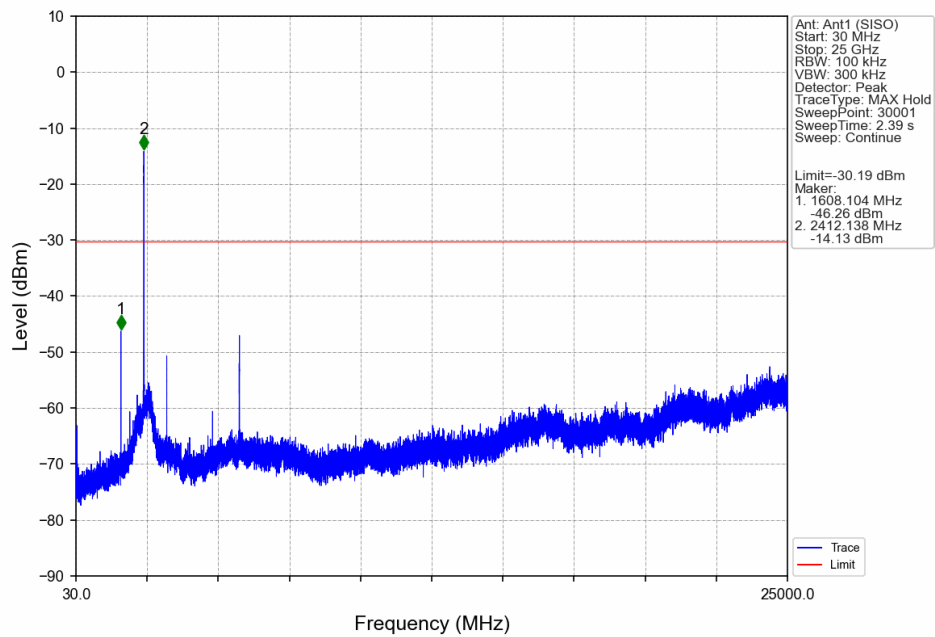


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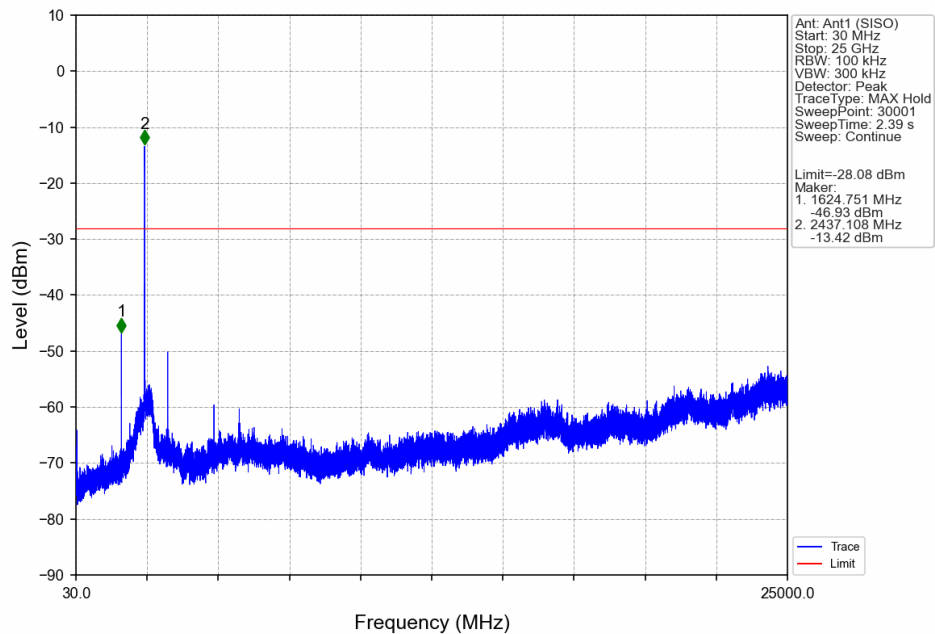


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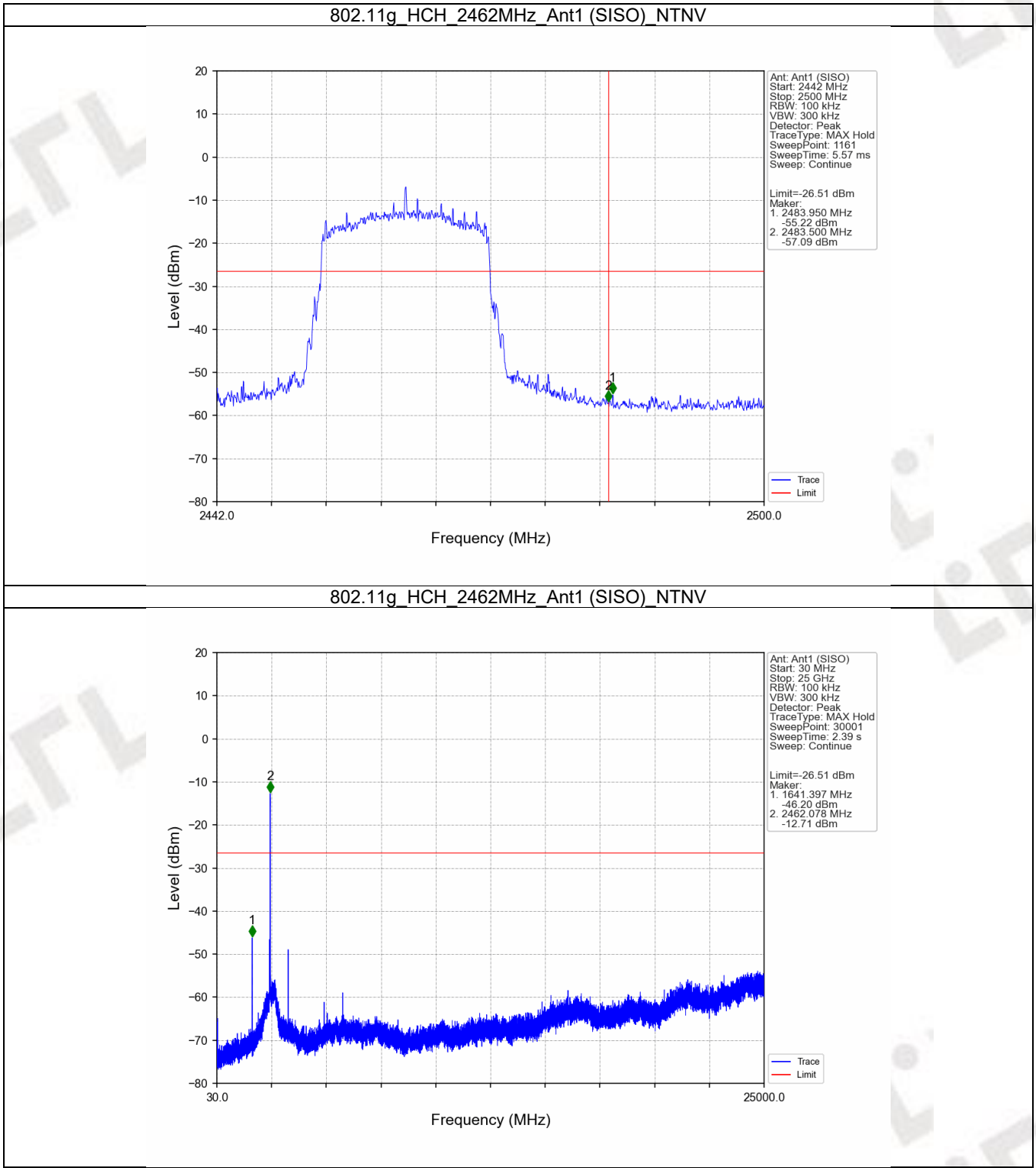
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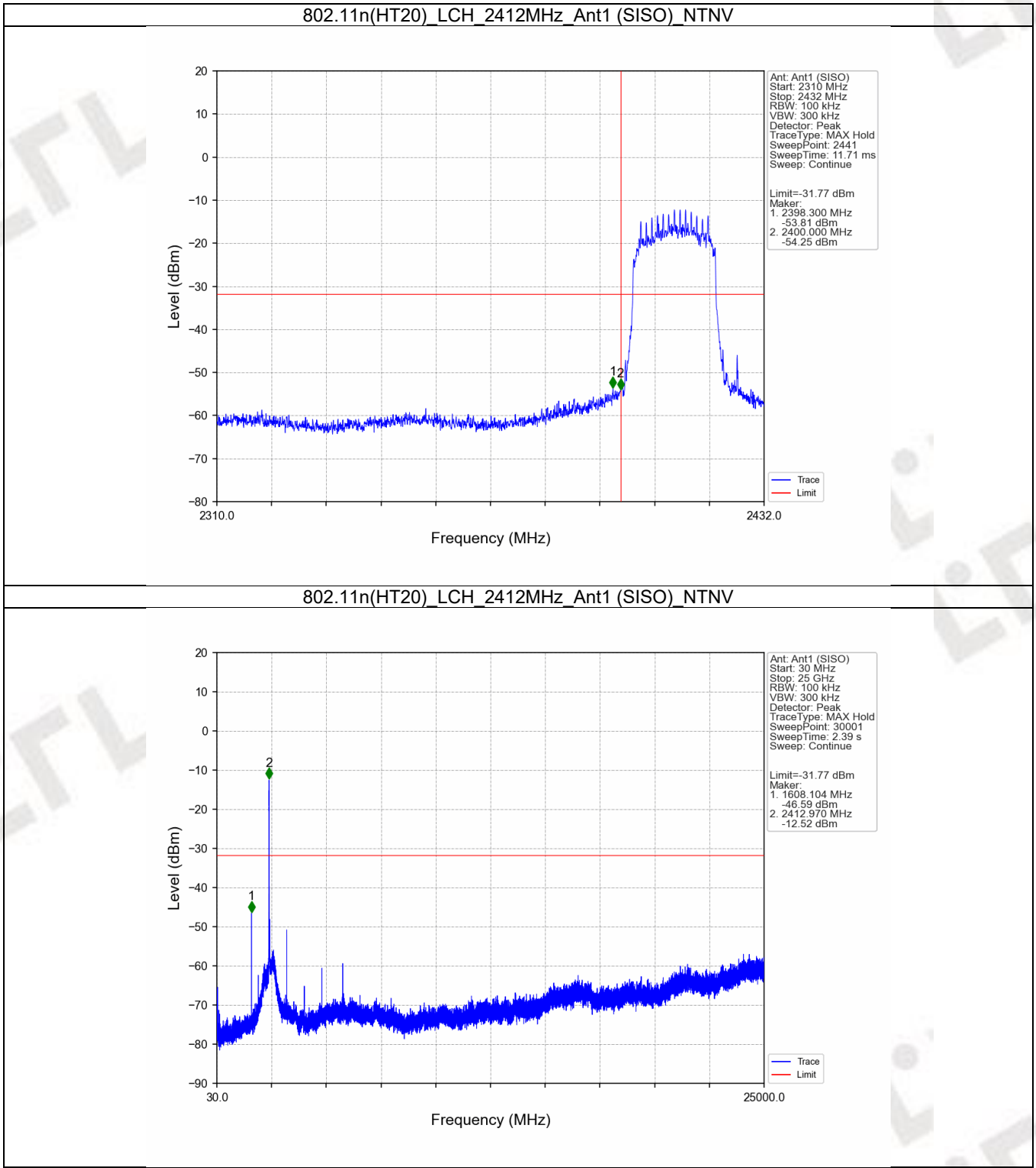
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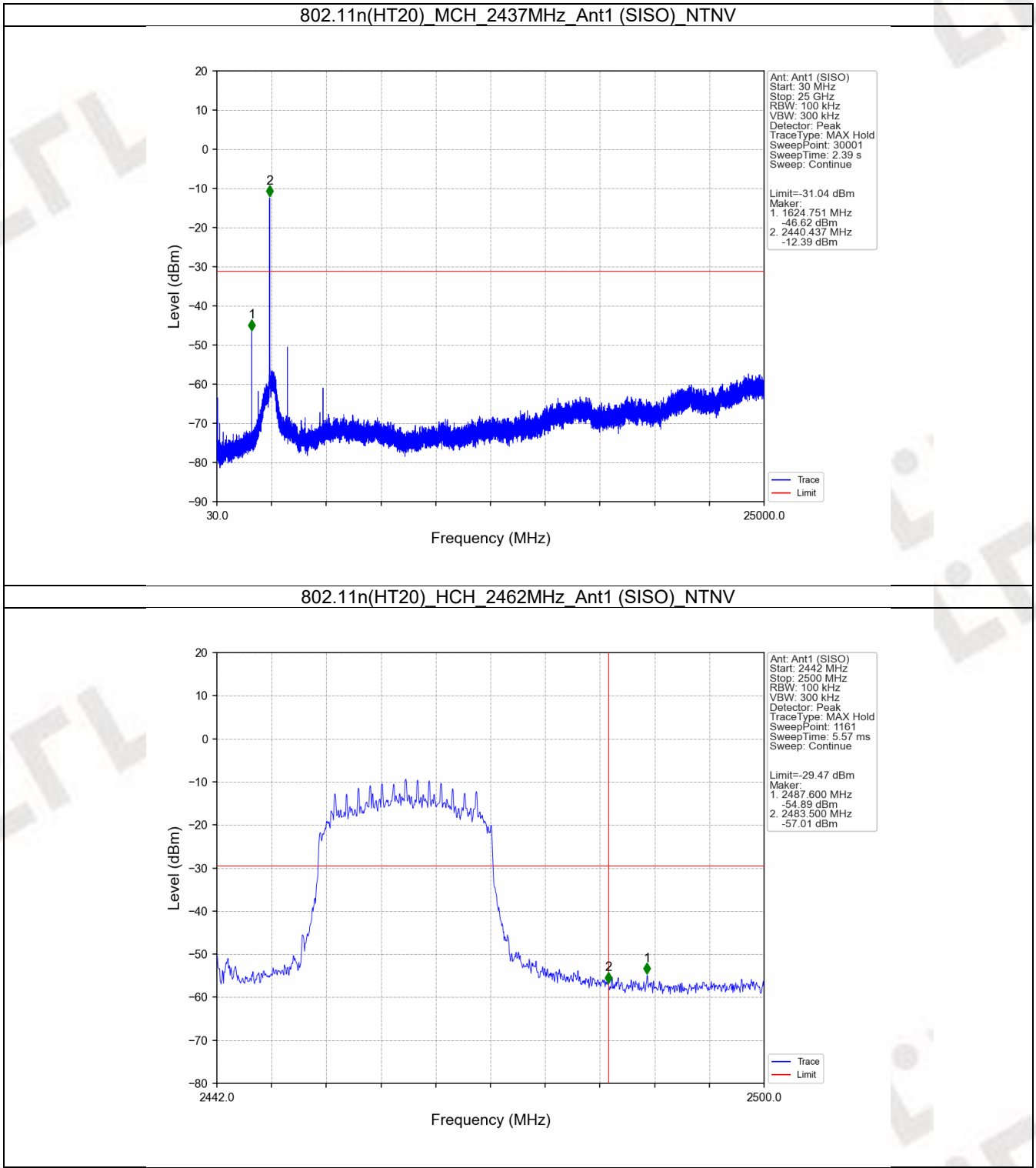
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