



Annex for 2.4G Wi-Fi

Test Report No.: CTL2509055011-WF03

TABLE OF CONTENTS

1. Bandwidth.....	3
1.1 Test Result	3
1.1.1 OBW	3
1.1.2 6dB BW	3
1.2 Test Graph.....	4
1.2.1 OBW	4
1.2.2 6dB BW	9
2. Maximum Conducted Output Power	14
2.1 Test Result	14
2.1.1 Power	14
3. Maximum Power Spectral Density	15
3.1 Test Result	15
3.1.1 PSD	15
3.2 Test Graph.....	16
3.2.1 PSD	16
4. Unwanted Emissions In Non-restricted Frequency Bands.....	21
4.1 Test Result	21
4.1.1 Ref	21
4.1.2 CSE	21
4.2 Test Graph.....	22



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4.2.1 Ref.....	22
4.2.2 CSE	27

FCCID: 2AOM3-A2

1. Bandwidth

1.1 Test Result

1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.186	/	Pass
		2437	1	13.024	/	Pass
		2462	1	13.122	/	Pass
802.11g	SISO	2412	1	16.461	/	Pass
		2437	1	16.186	/	Pass
		2462	1	16.227	/	Pass
802.11n (HT20)	SISO	2412	1	17.073	/	Pass
		2437	1	16.939	/	Pass
		2462	1	17.056	/	Pass

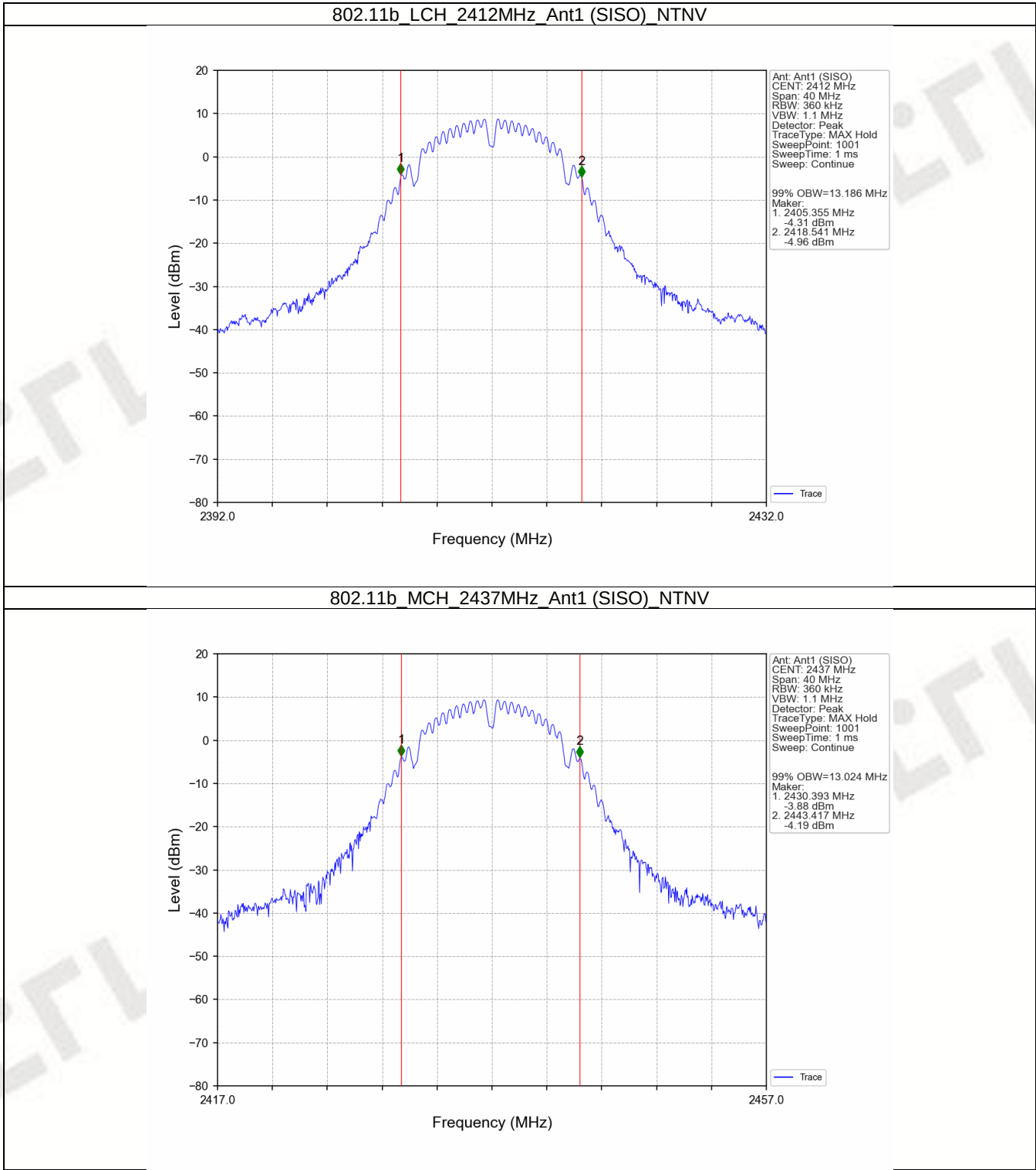
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.212	≥ 0.5	Pass
		2437	1	9.180	≥ 0.5	Pass
		2462	1	9.205	≥ 0.5	Pass
802.11g	SISO	2412	1	13.762	≥ 0.5	Pass
		2437	1	13.413	≥ 0.5	Pass
		2462	1	13.654	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	14.049	≥ 0.5	Pass
		2437	1	13.718	≥ 0.5	Pass
		2462	1	13.835	≥ 0.5	Pass

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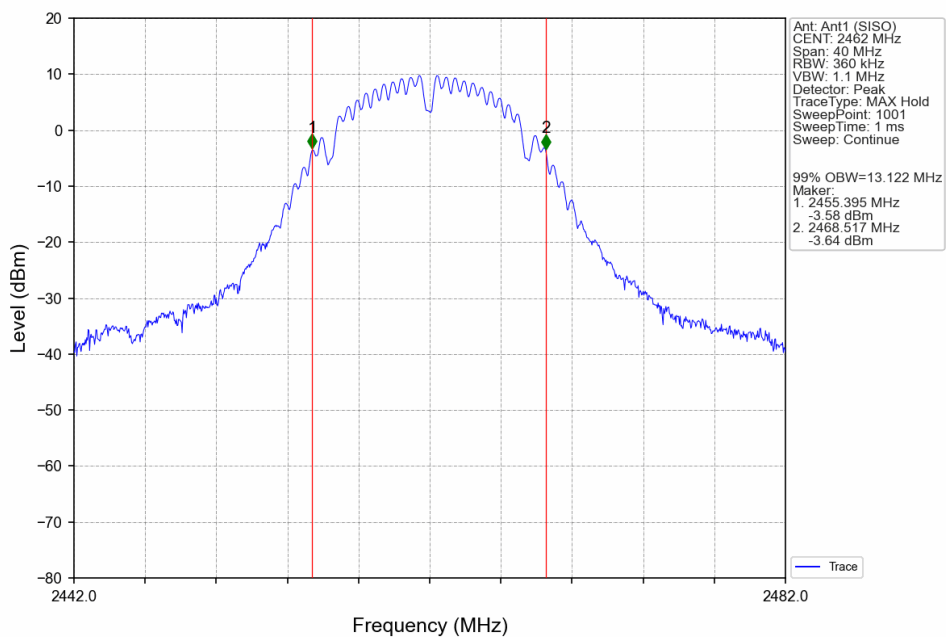
1.2 Test Graph

1.2.1 OBW

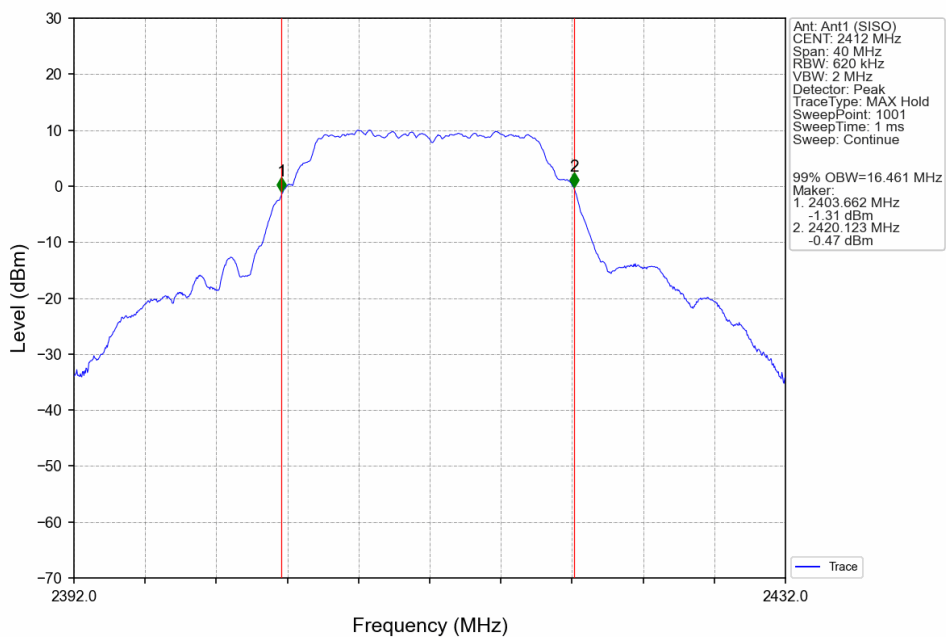


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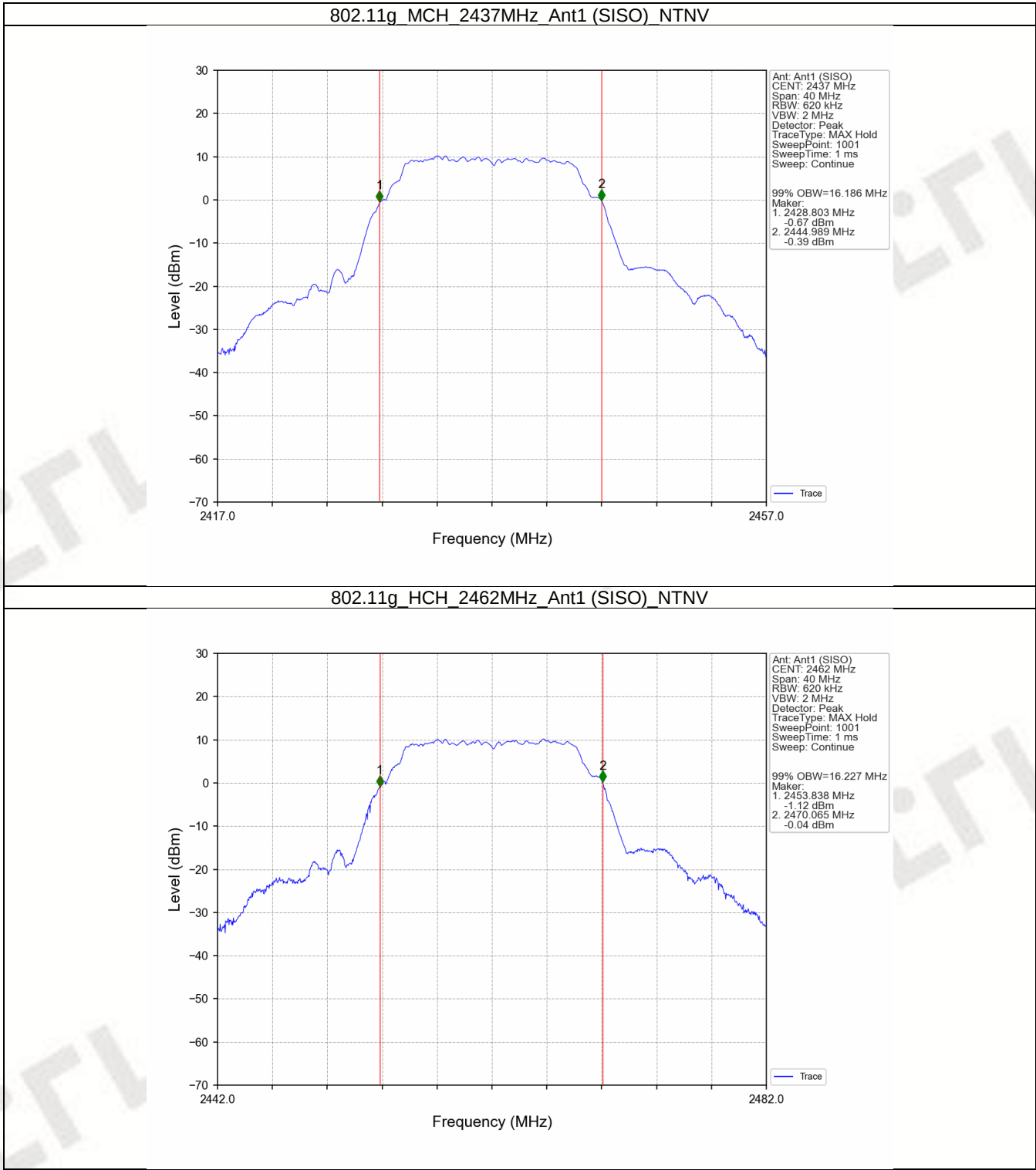
802.11b HCH 2462MHz Ant1 (SISO) NTN



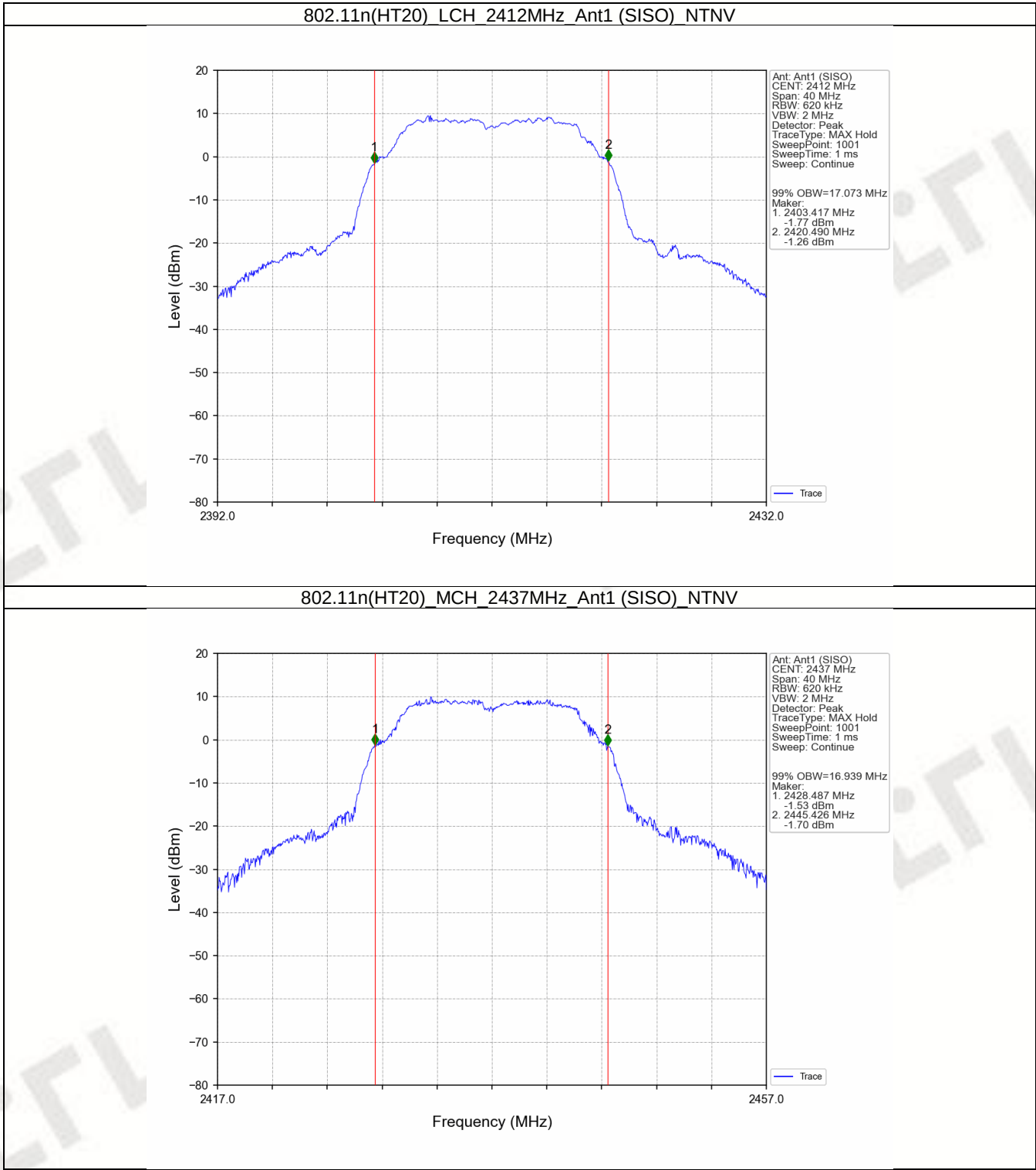
802.11g LCH 2412MHz Ant1 (SISO) NTN



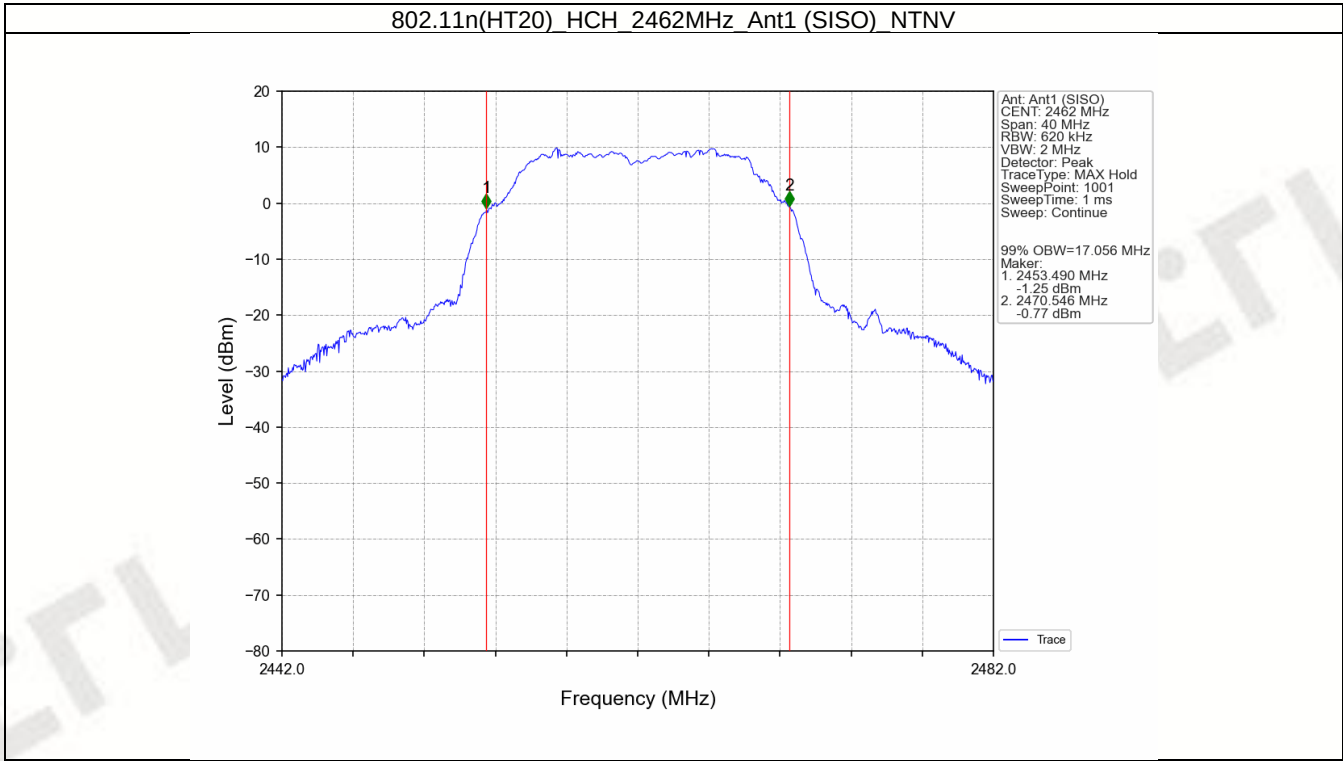
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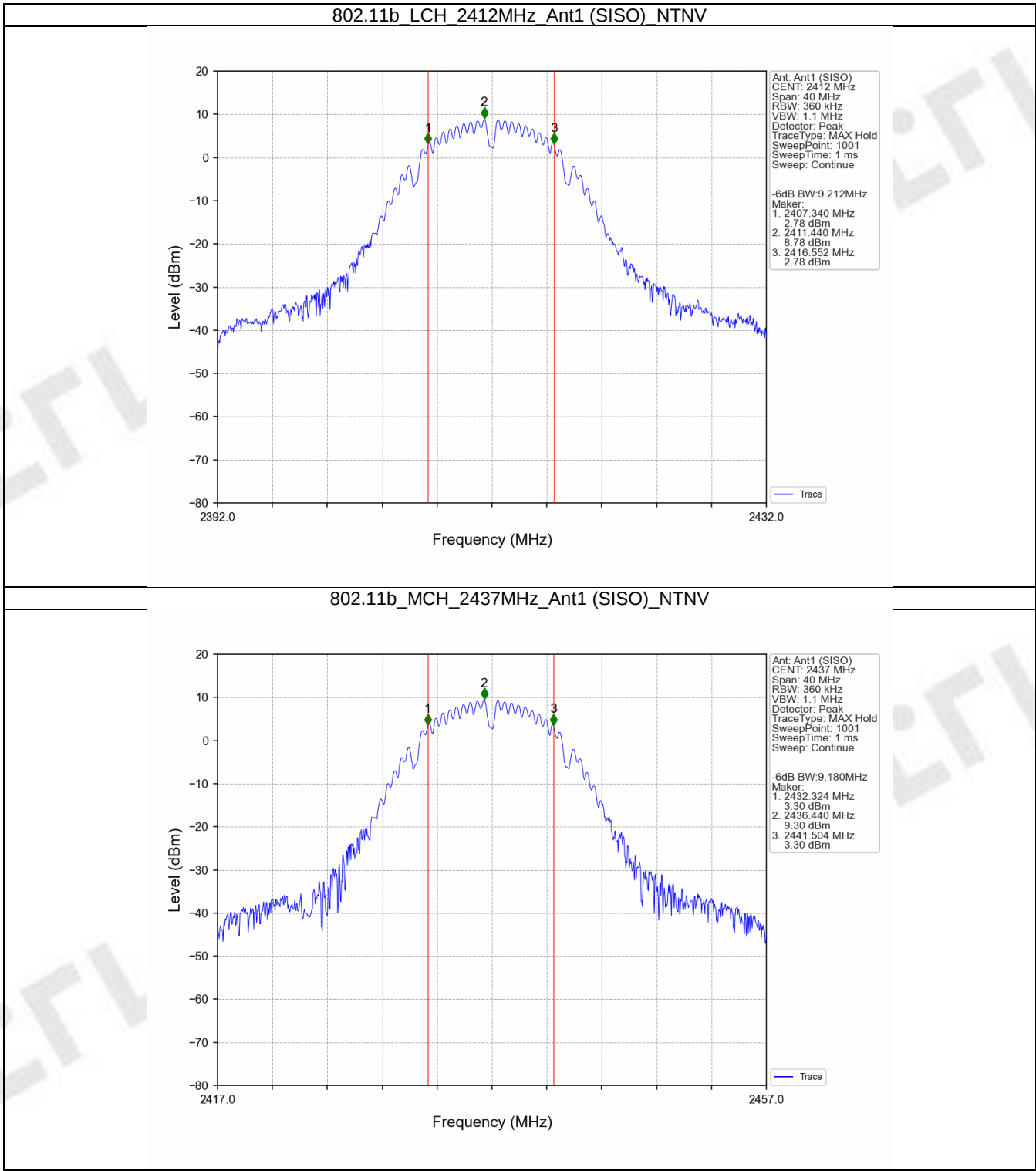


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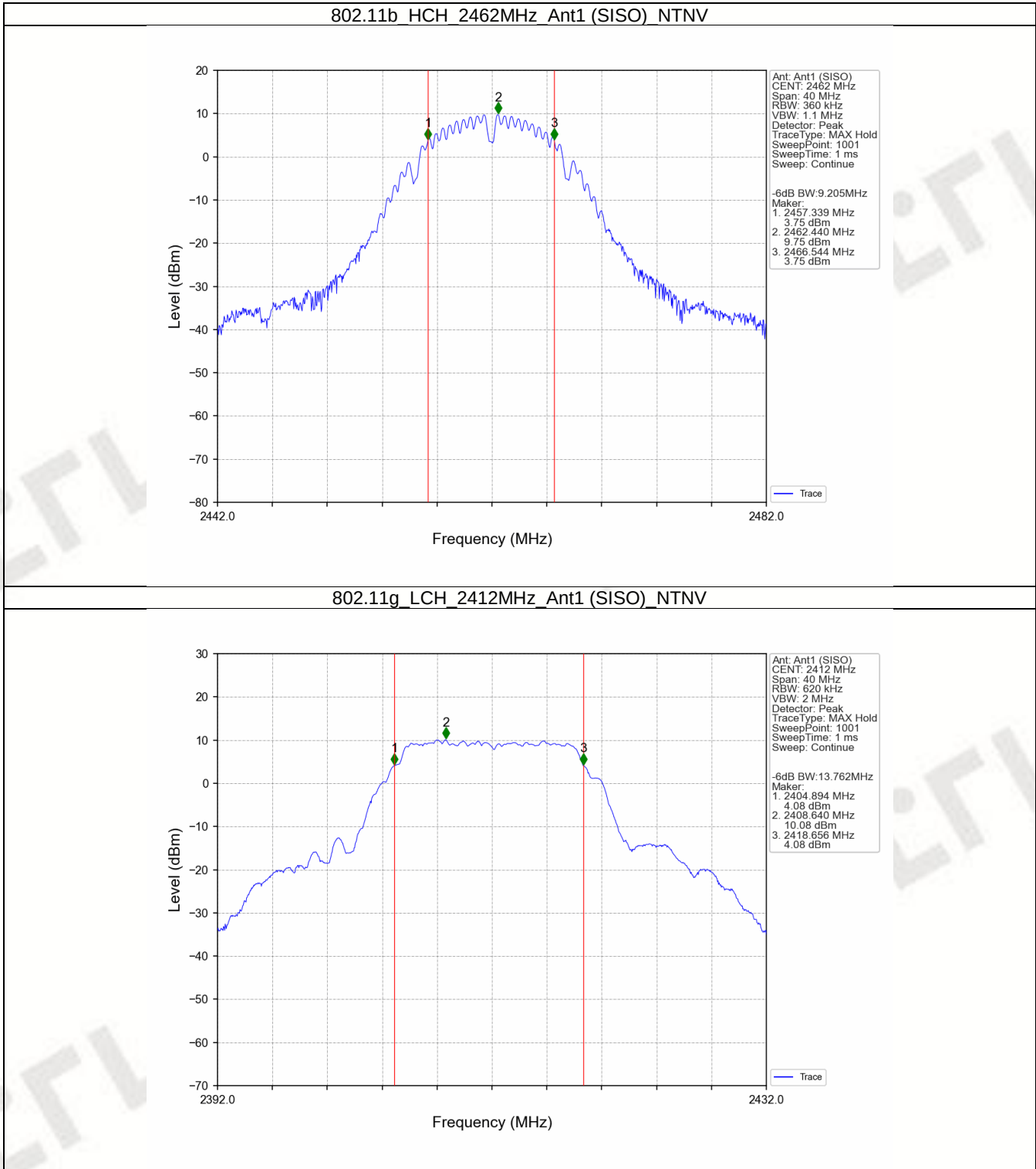


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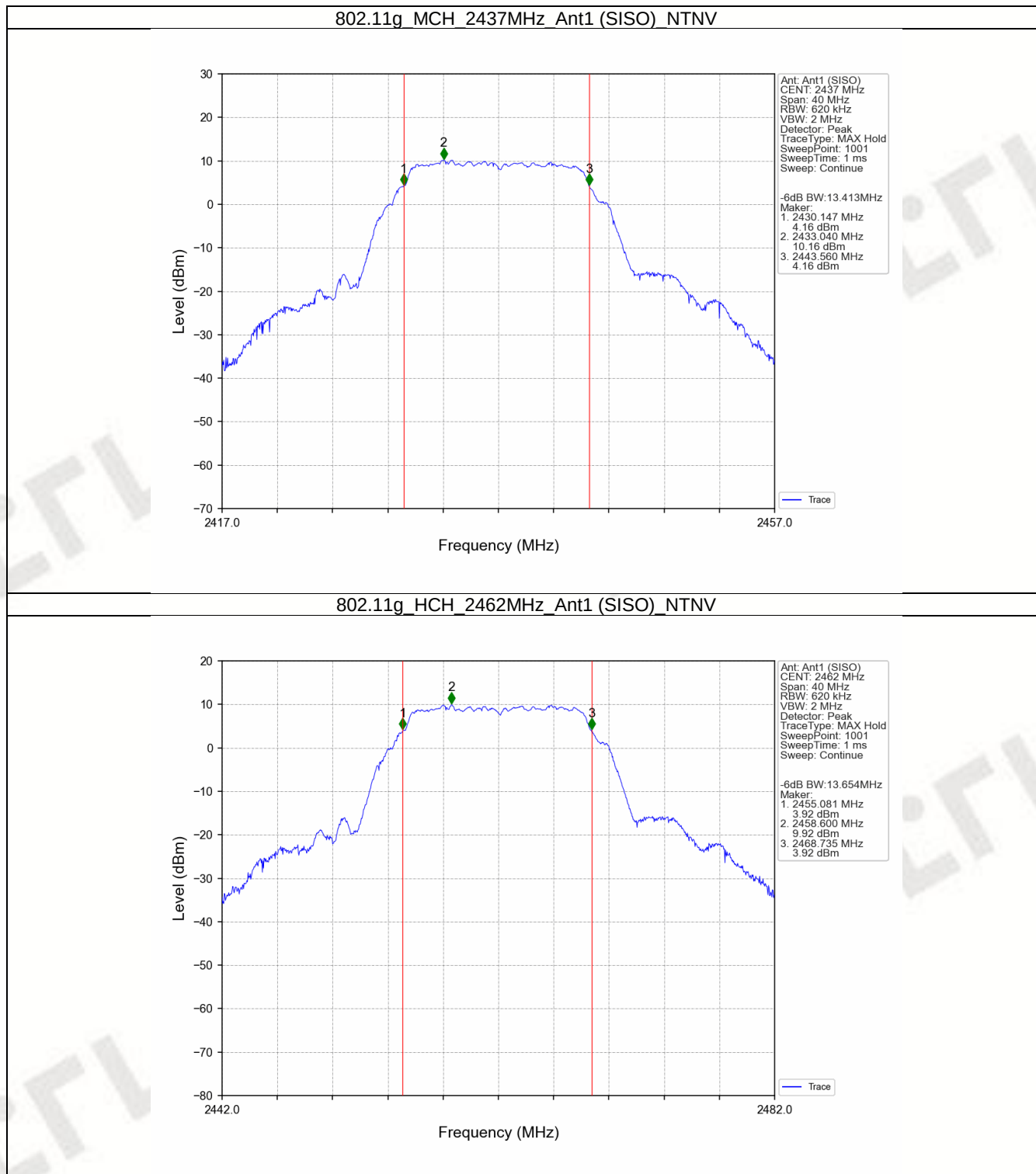
1.2.2 6dB BW



FCCID: 2AOM3-A2

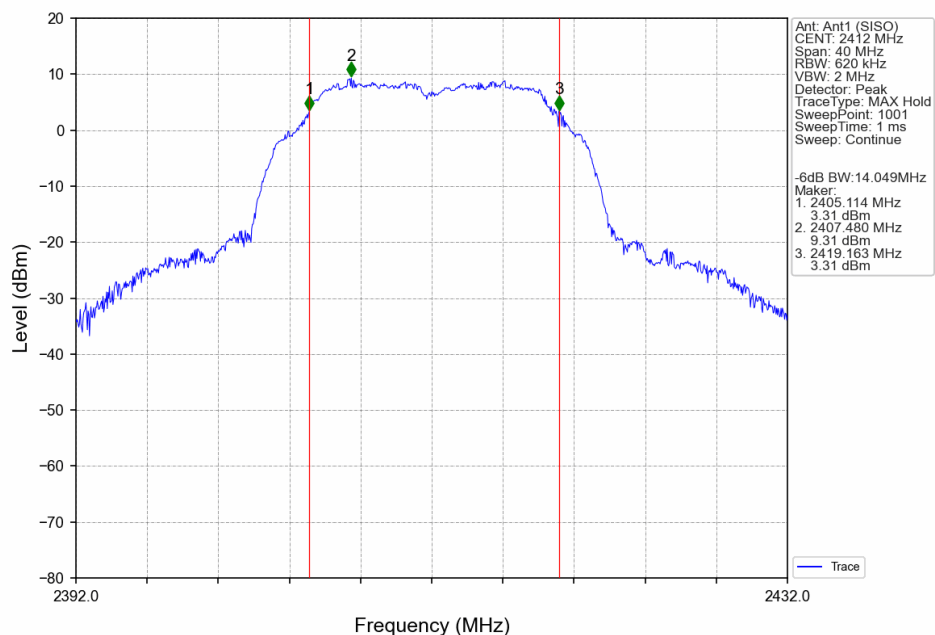


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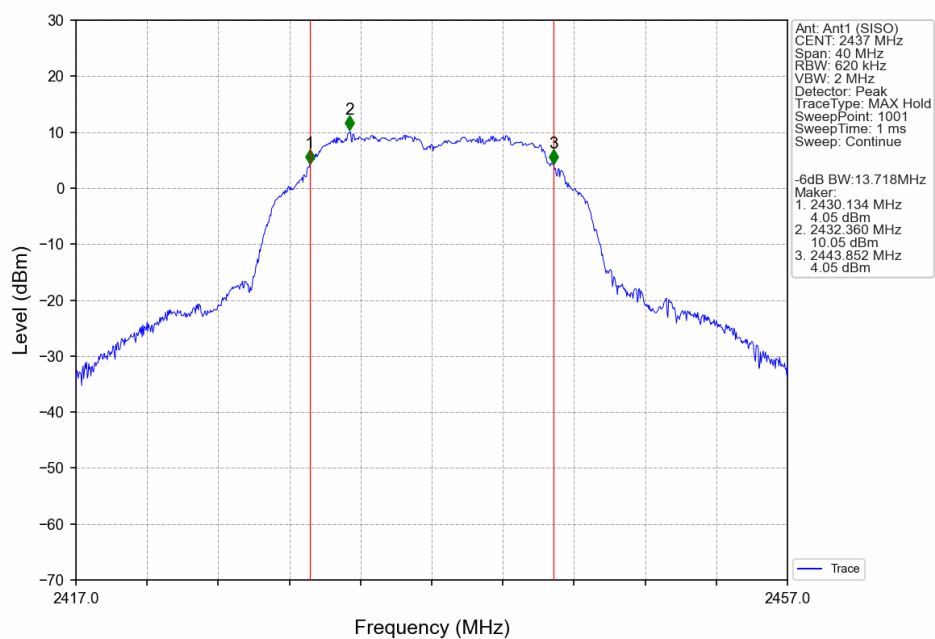


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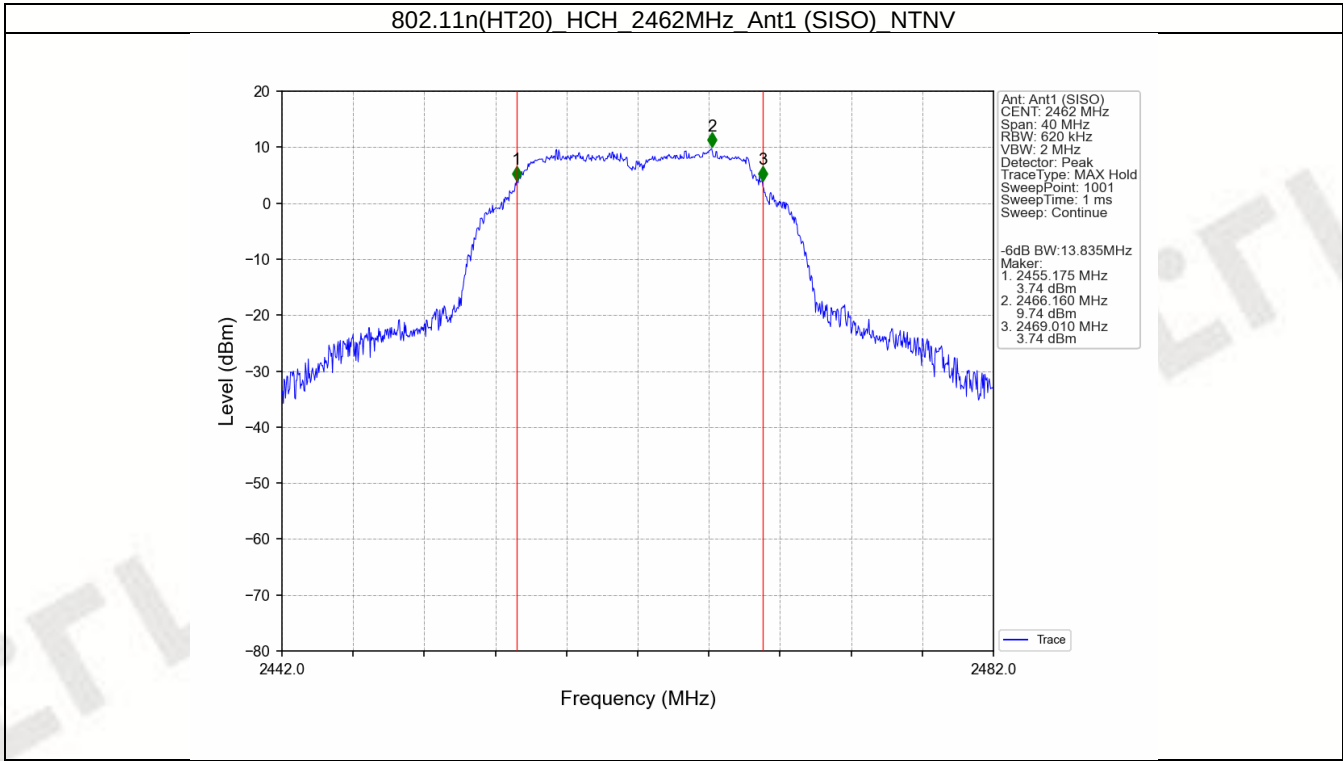
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



FCCID: 2AOM3-A2



FCCID: 2AOM3-A2

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	4.69	<=30	Pass
		2437	4.87	<=30	Pass
		2462	5.20	<=30	Pass
802.11g	SISO	2412	6.74	<=30	Pass
		2437	6.70	<=30	Pass
		2462	7.05	<=30	Pass
802.11n (HT20)	SISO	2412	6.10	<=30	Pass
		2437	6.39	<=30	Pass
		2462	6.66	<=30	Pass

Note1: Antenna Gain: Ant1: 2.13dBi;

FCCID: 2AOM3-A2

3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

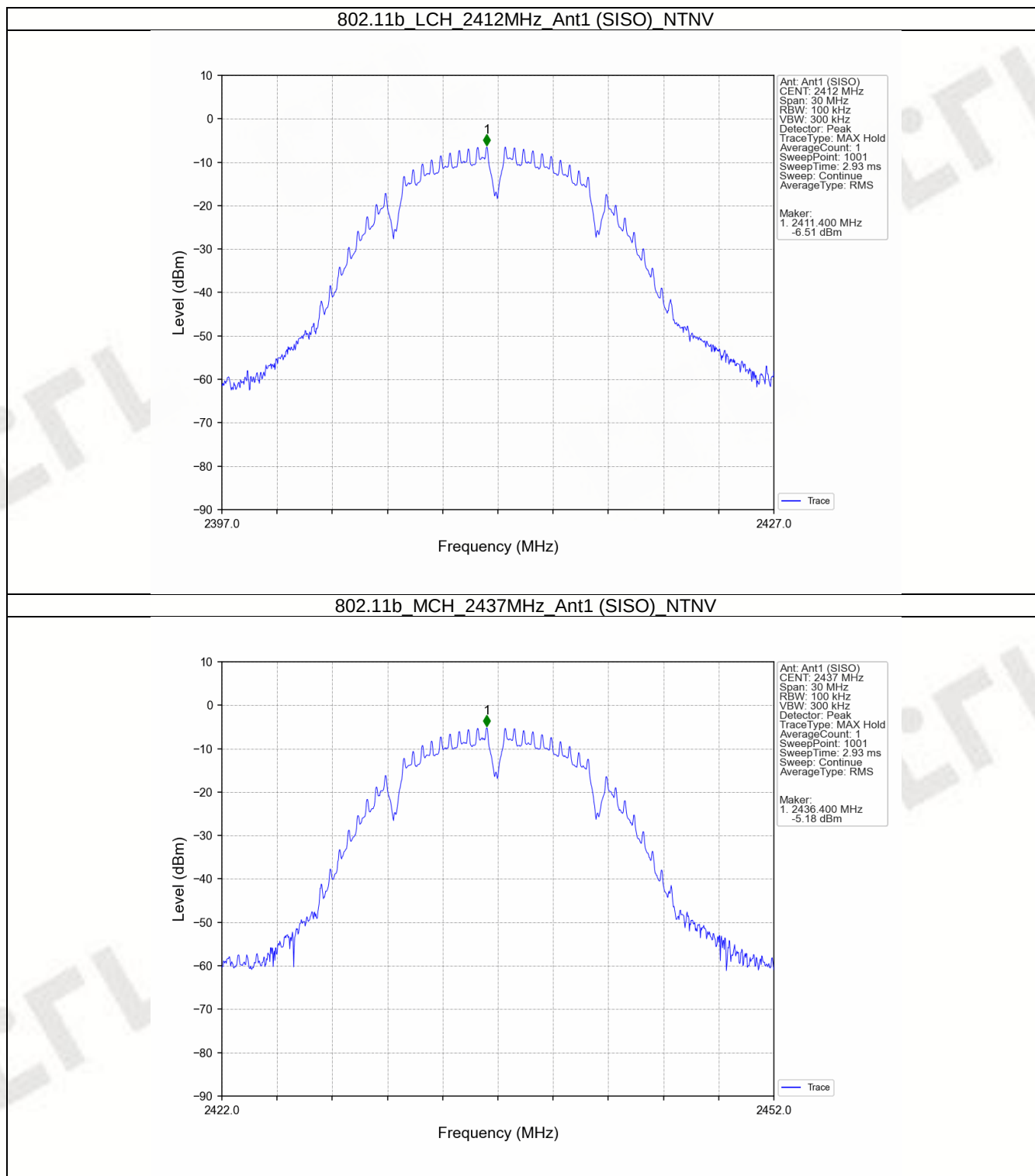
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-6.51	<=8	Pass
		2437	-5.18	<=8	Pass
		2462	-5.52	<=8	Pass
802.11g	SISO	2412	-8.37	<=8	Pass
		2437	-8.22	<=8	Pass
		2462	-7.99	<=8	Pass
802.11n (HT20)	SISO	2412	-8.95	<=8	Pass
		2437	-8.36	<=8	Pass
		2462	-8.00	<=8	Pass

Note1: Antenna Gain: Ant1: 2.13dBi;

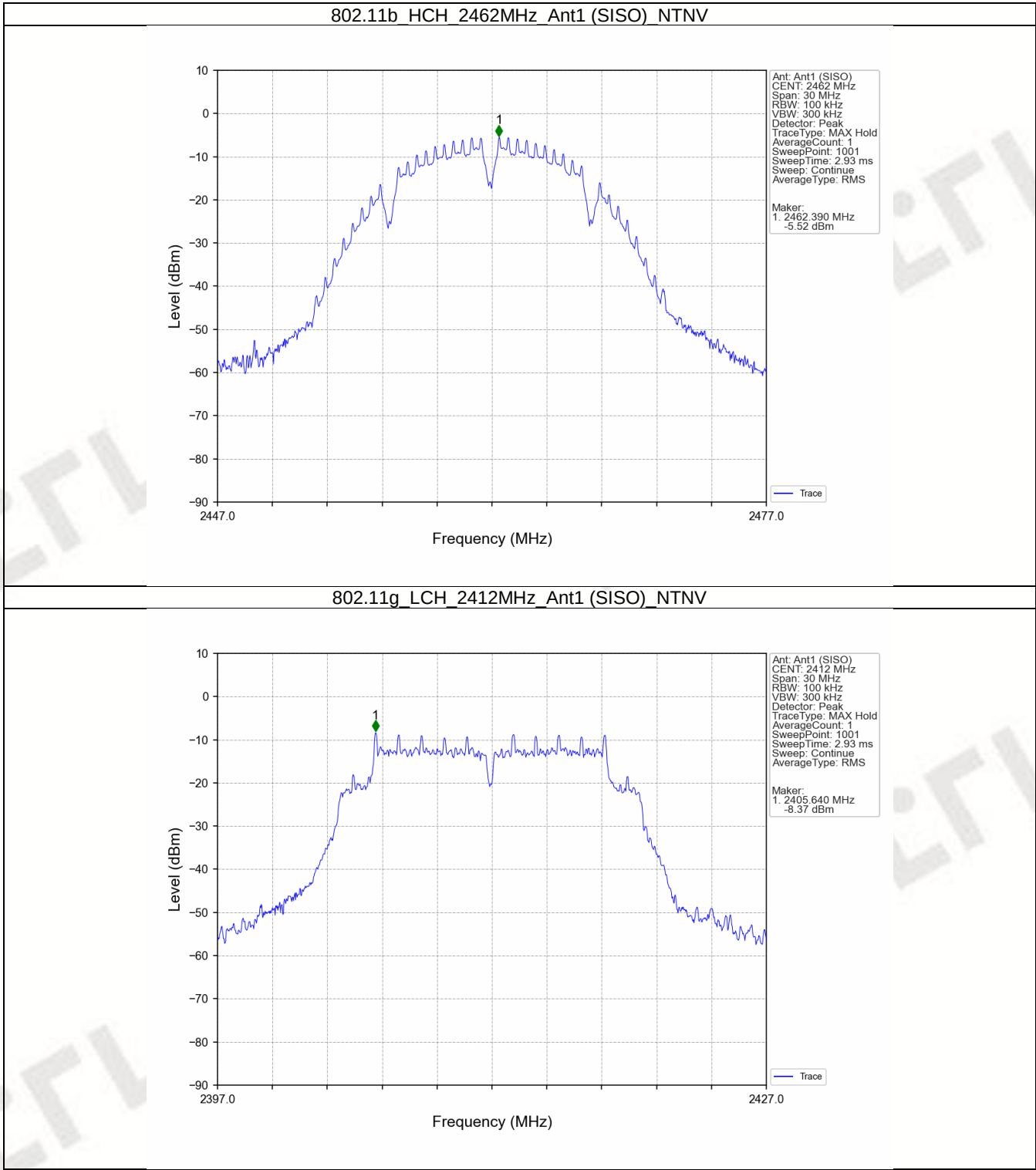
FCCID: 2AOM3-A2

3.2 Test Graph

3.2.1 PSD

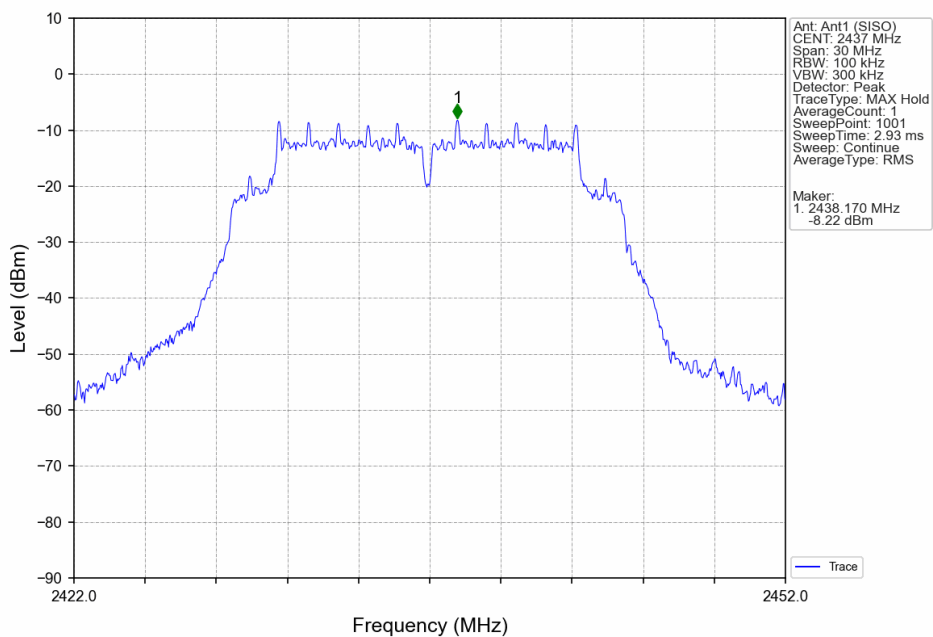


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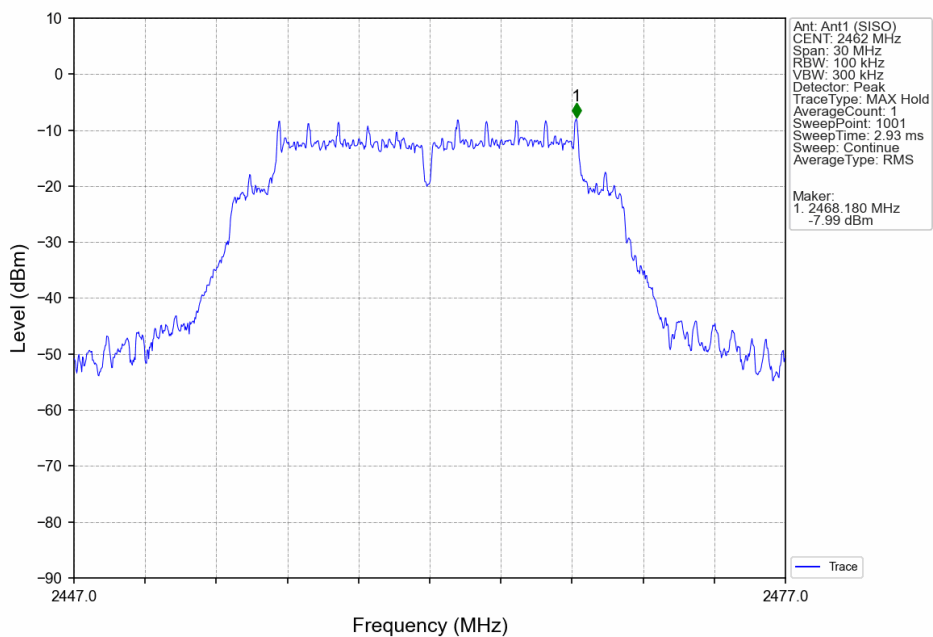


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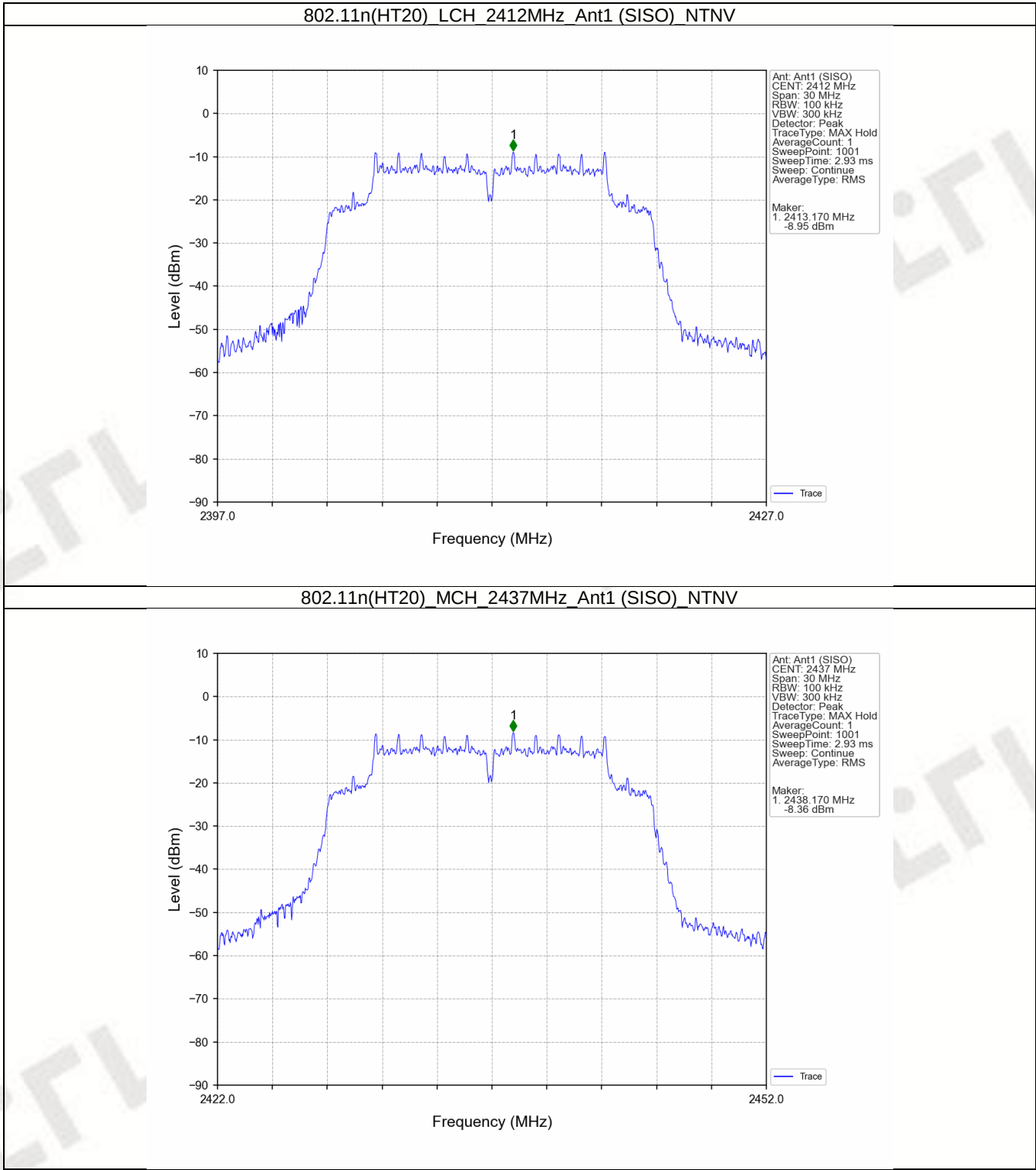
802.11g MCH 2437MHz Ant1 (SISO) NTN



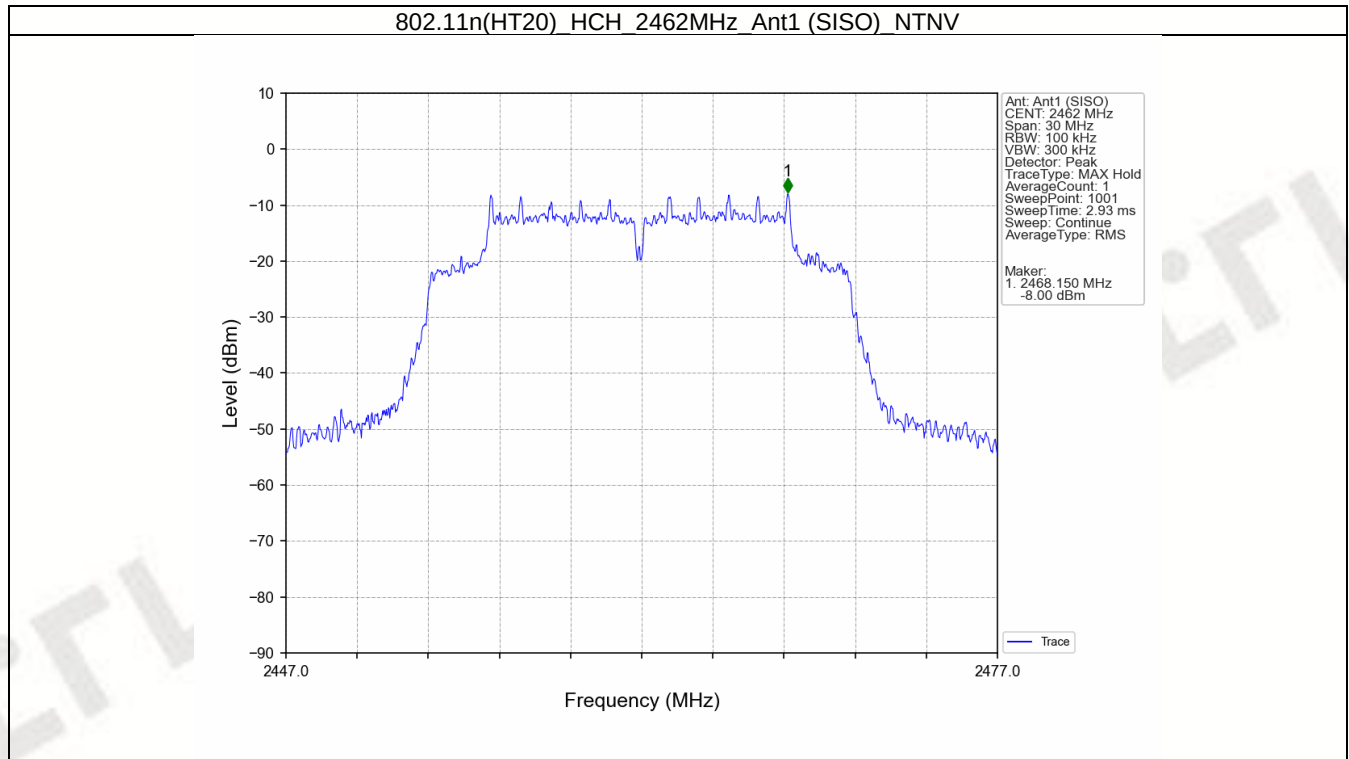
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



FCCID: 2AOM3-A2



FCCID: 2AOM3-A2



4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-6.10
		2437	1	-5.85
		2462	1	-5.64
802.11g	SISO	2412	1	-10.77
		2437	1	-10.75
		2462	1	-10.68
802.11n (HT20)	SISO	2412	1	-11.55
		2437	1	-11.28
		2462	1	-10.89

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

4.1.2 CSE

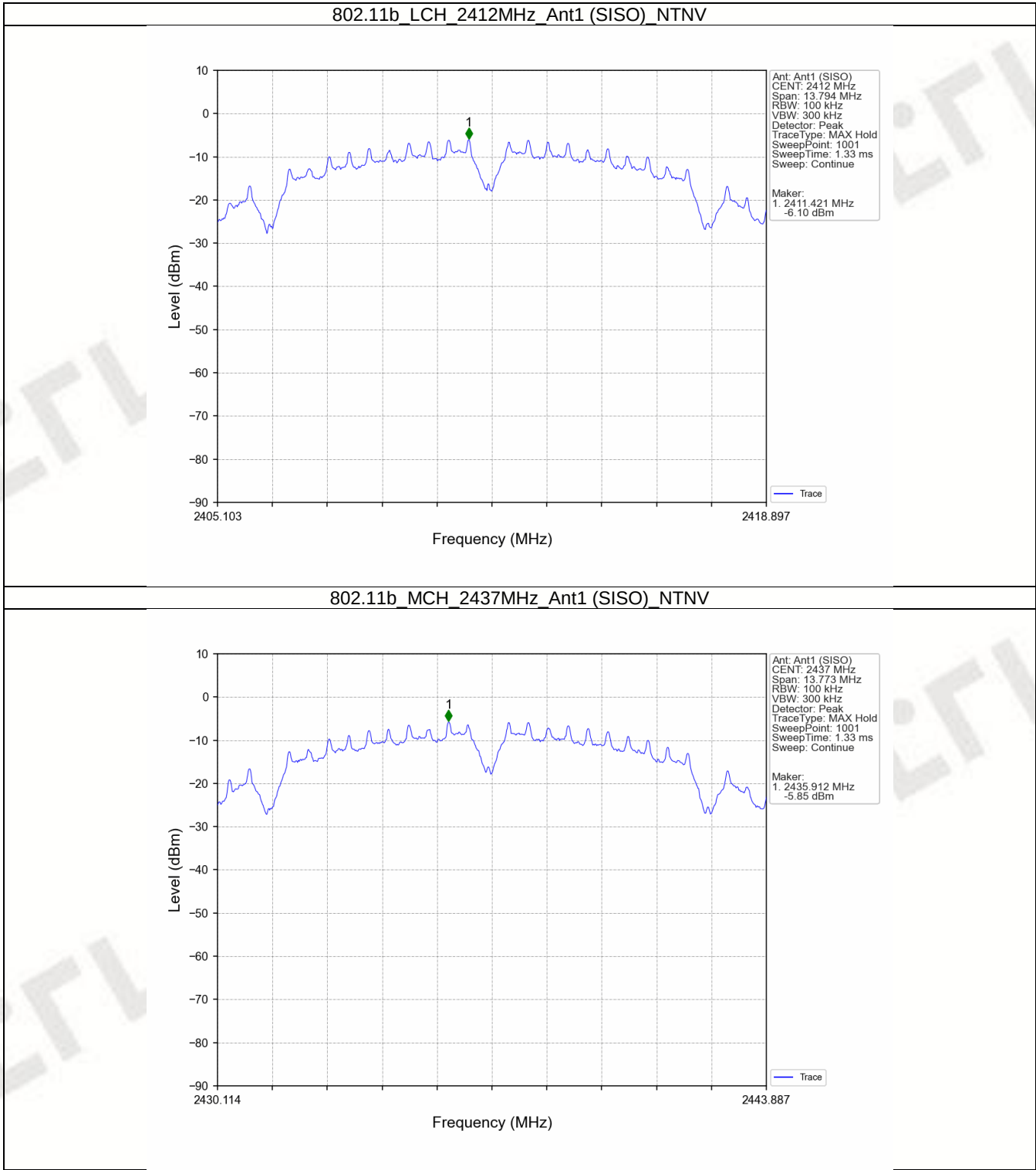
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-5.64	-25.64	Pass
		2437	1	-5.64	-25.64	Pass
		2462	1	-5.64	-25.64	Pass
802.11g	SISO	2412	1	-10.68	-30.68	Pass
		2437	1	-10.68	-30.68	Pass
		2462	1	-10.68	-30.68	Pass
802.11n (HT20)	SISO	2412	1	-10.89	-30.89	Pass
		2437	1	-10.89	-30.89	Pass
		2462	1	-10.89	-30.89	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

FCCID: 2AOM3-A2

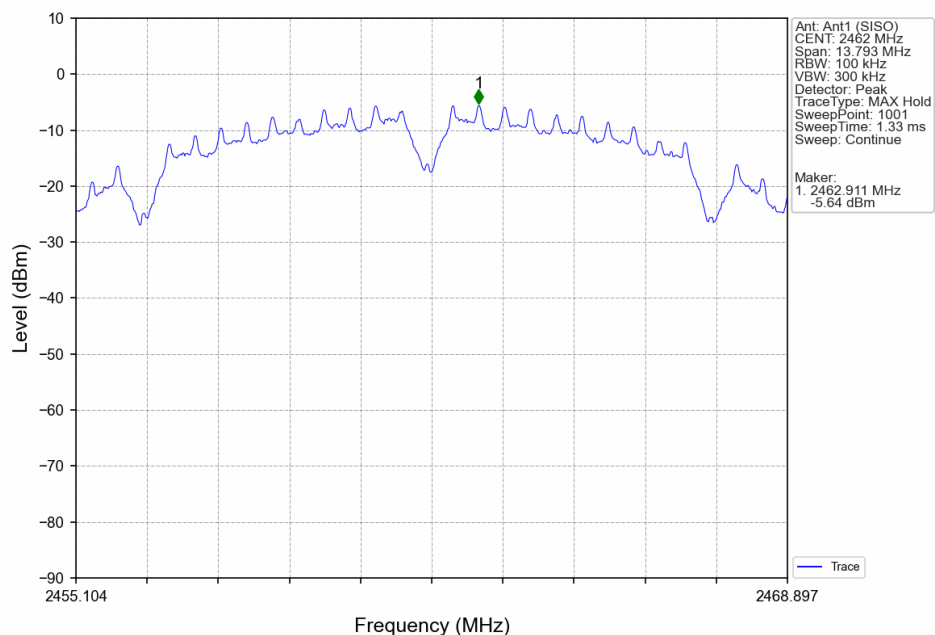
4.2 Test Graph

4.2.1 Ref

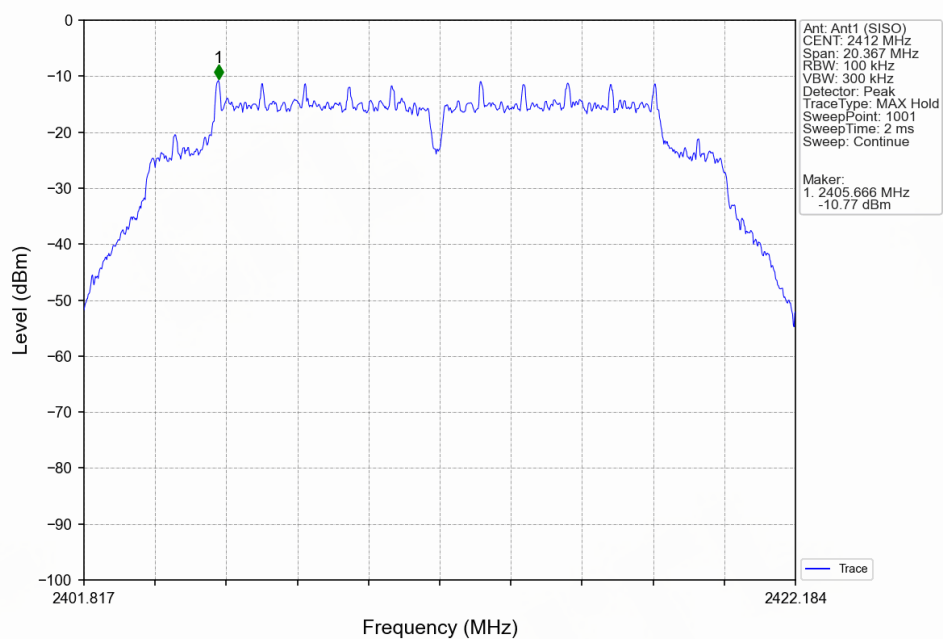


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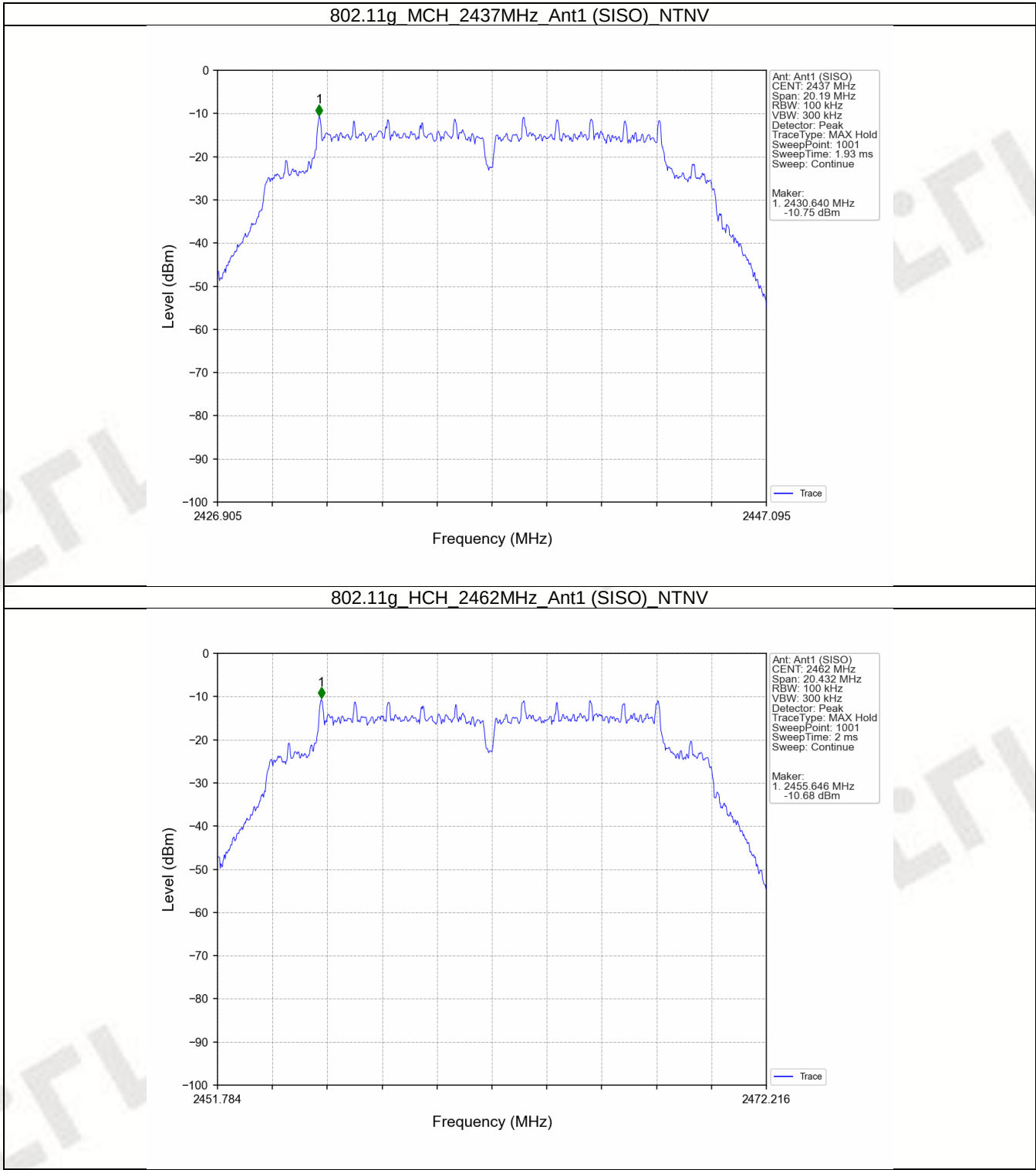
802.11b HCH 2462MHz Ant1 (SISO) NTN



802.11g LCH 2412MHz Ant1 (SISO) NTN



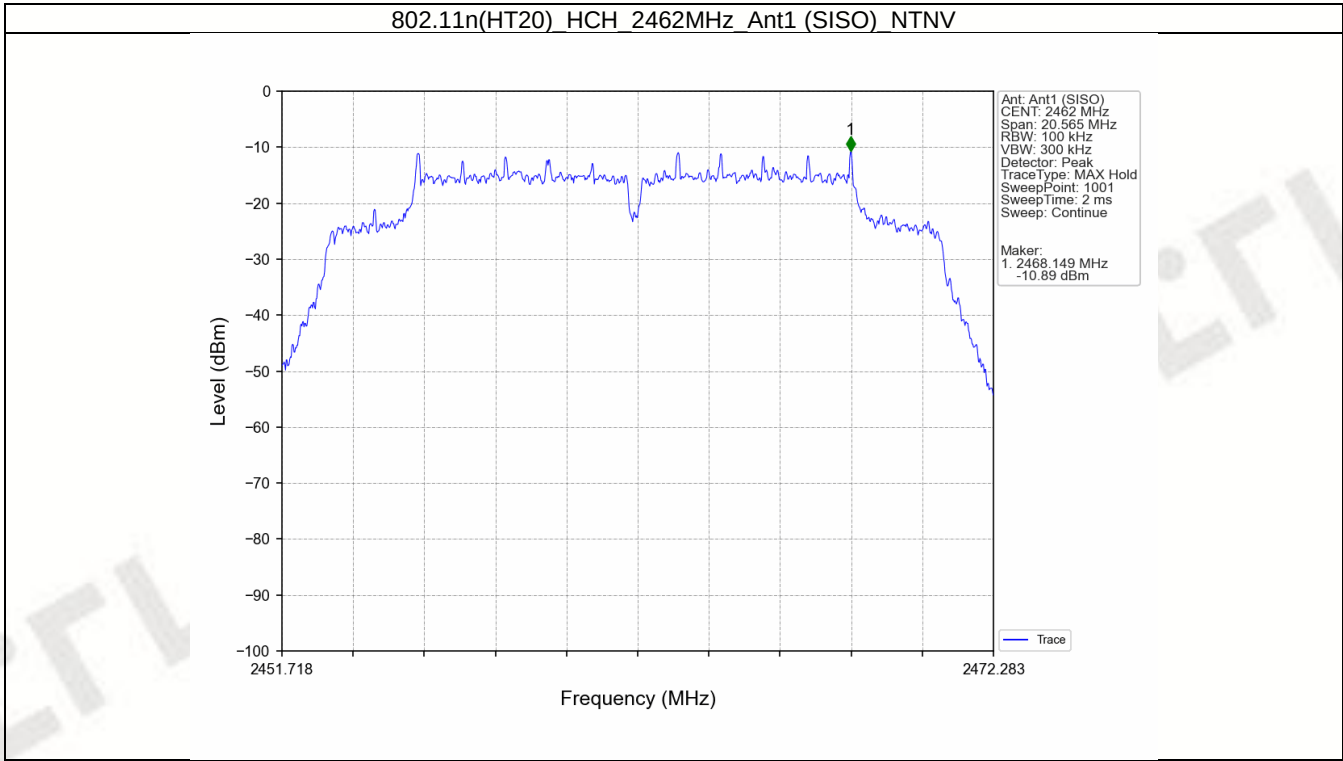
FCCID: 2AOM3-A2



FCCID: 2AOM3-A2

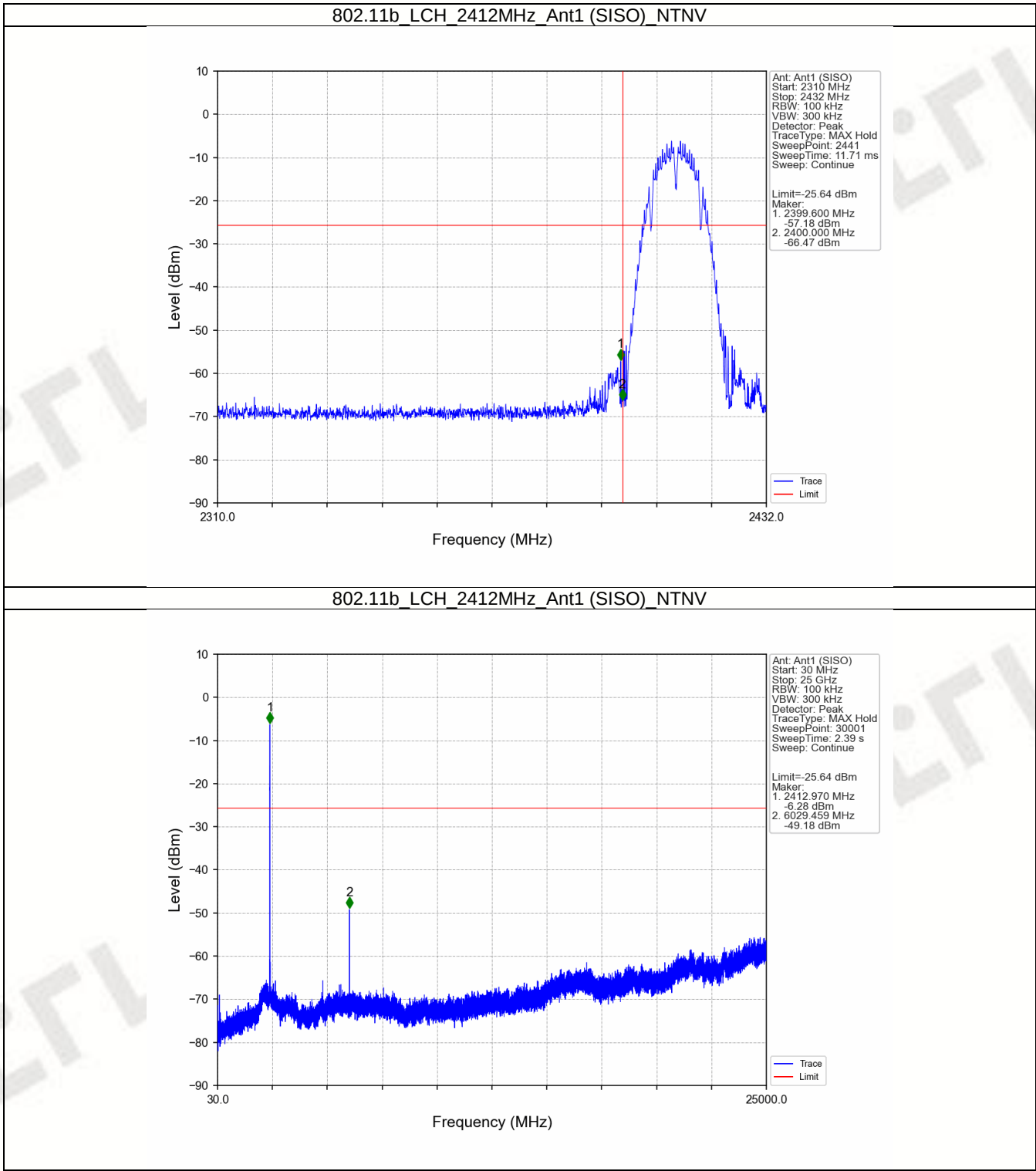


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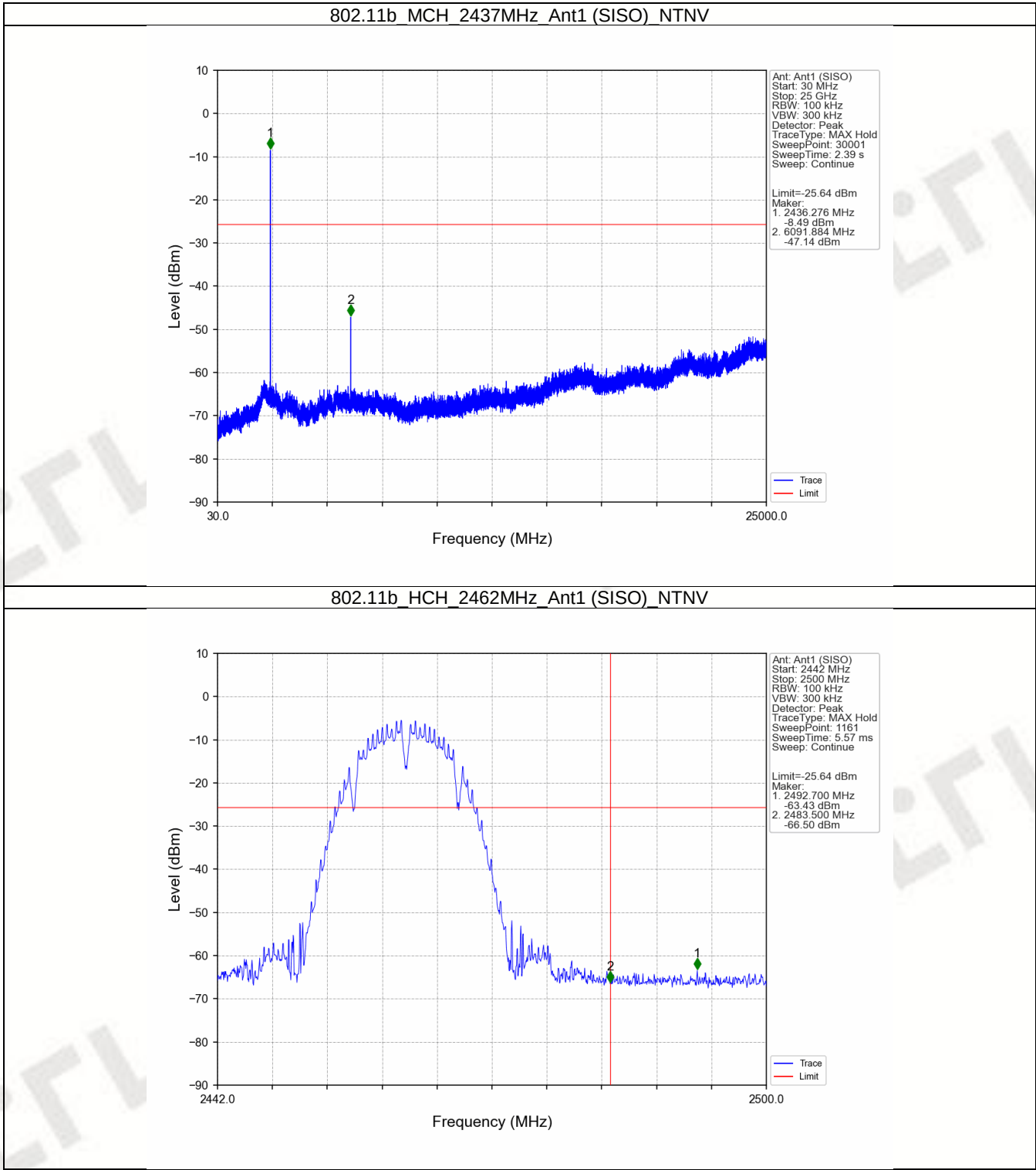


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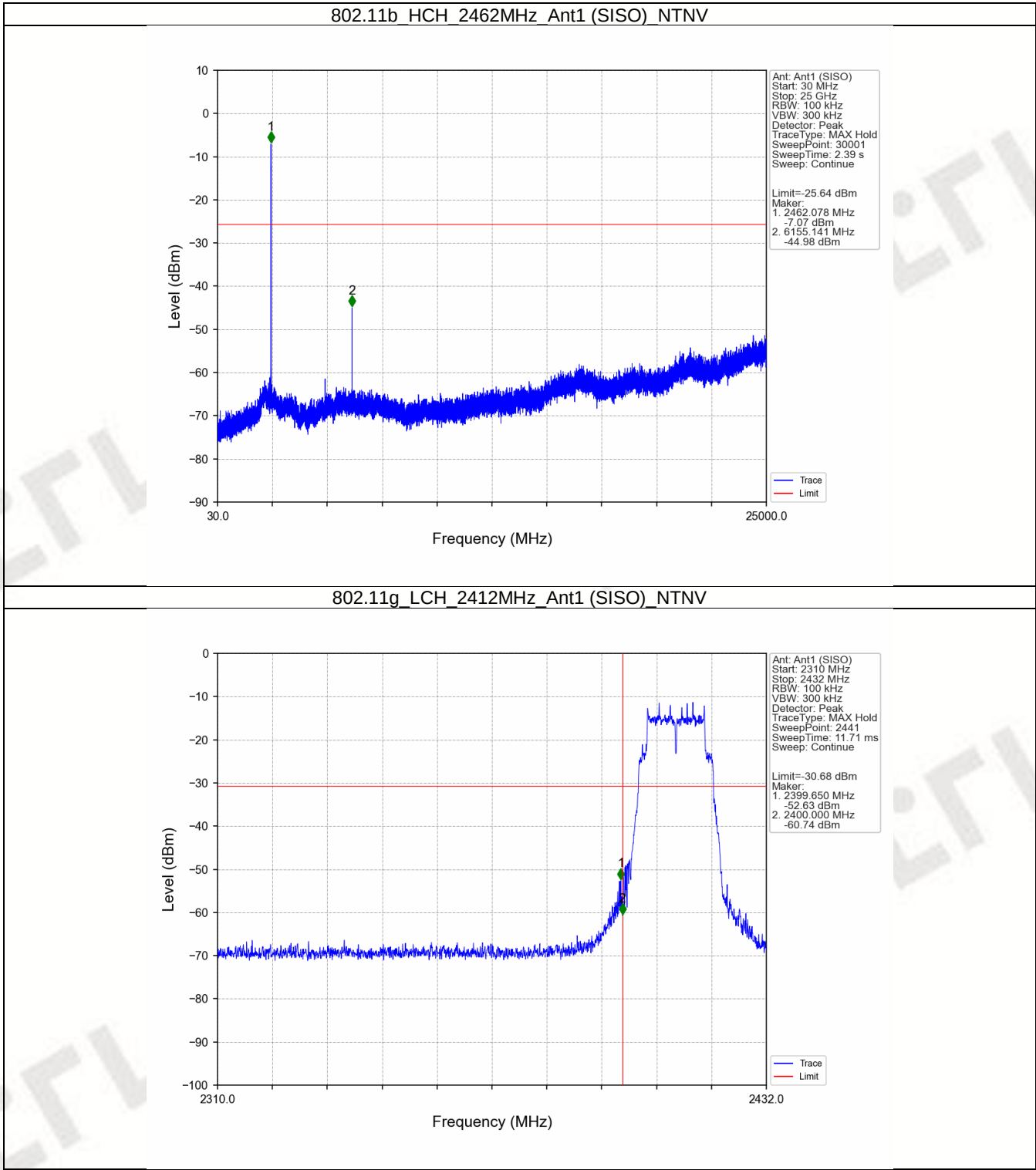
4.2.2 CSE



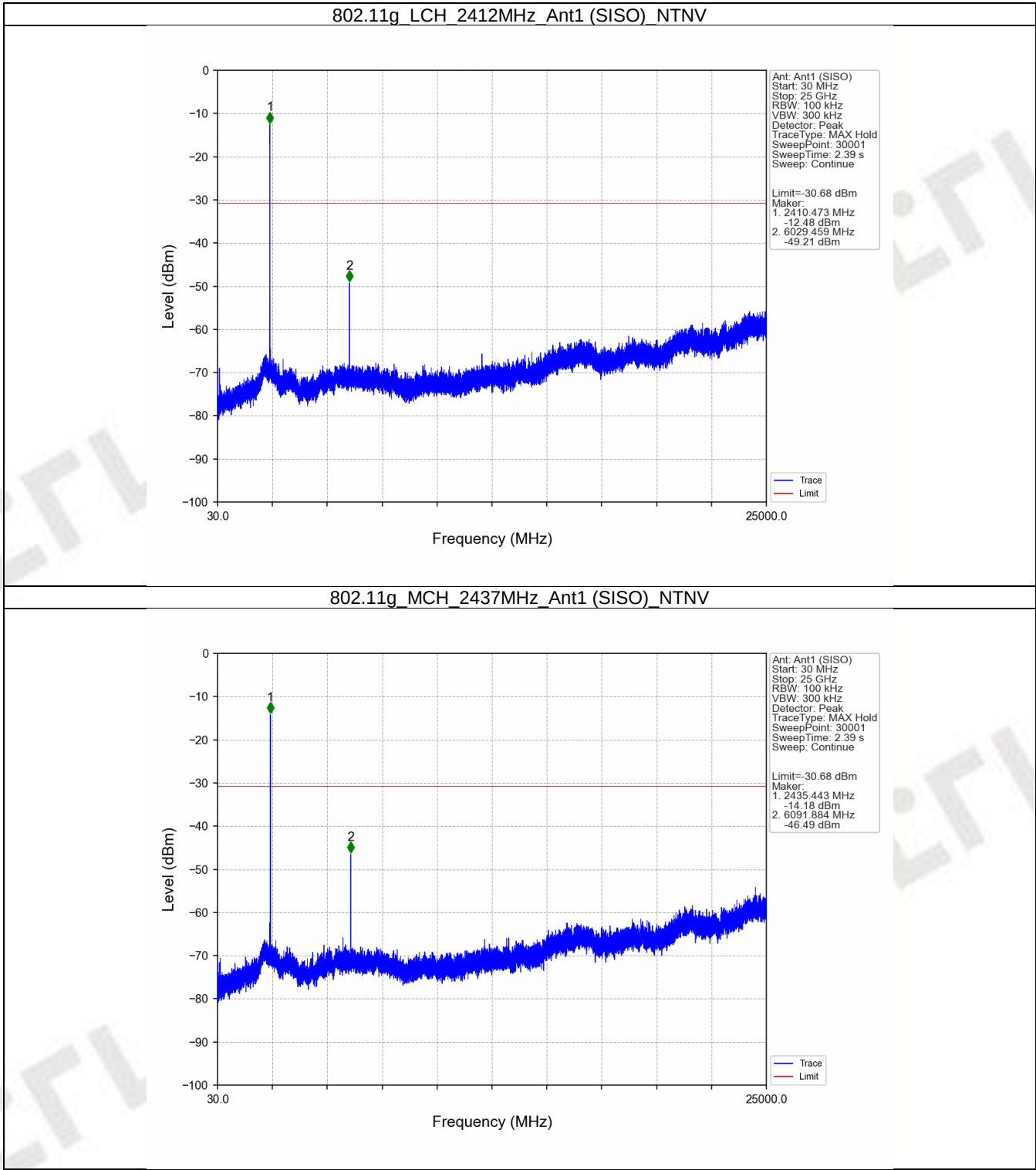
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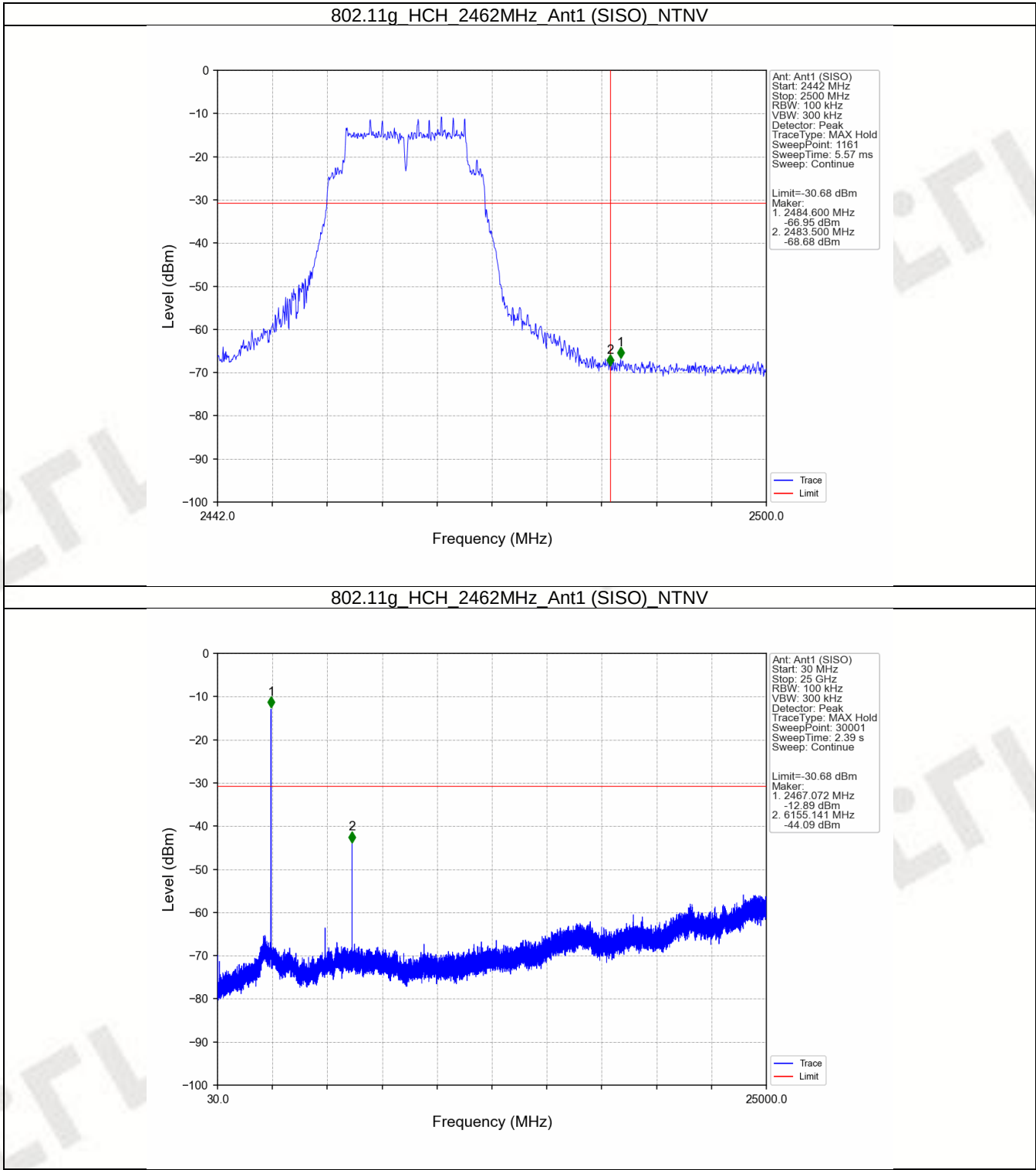
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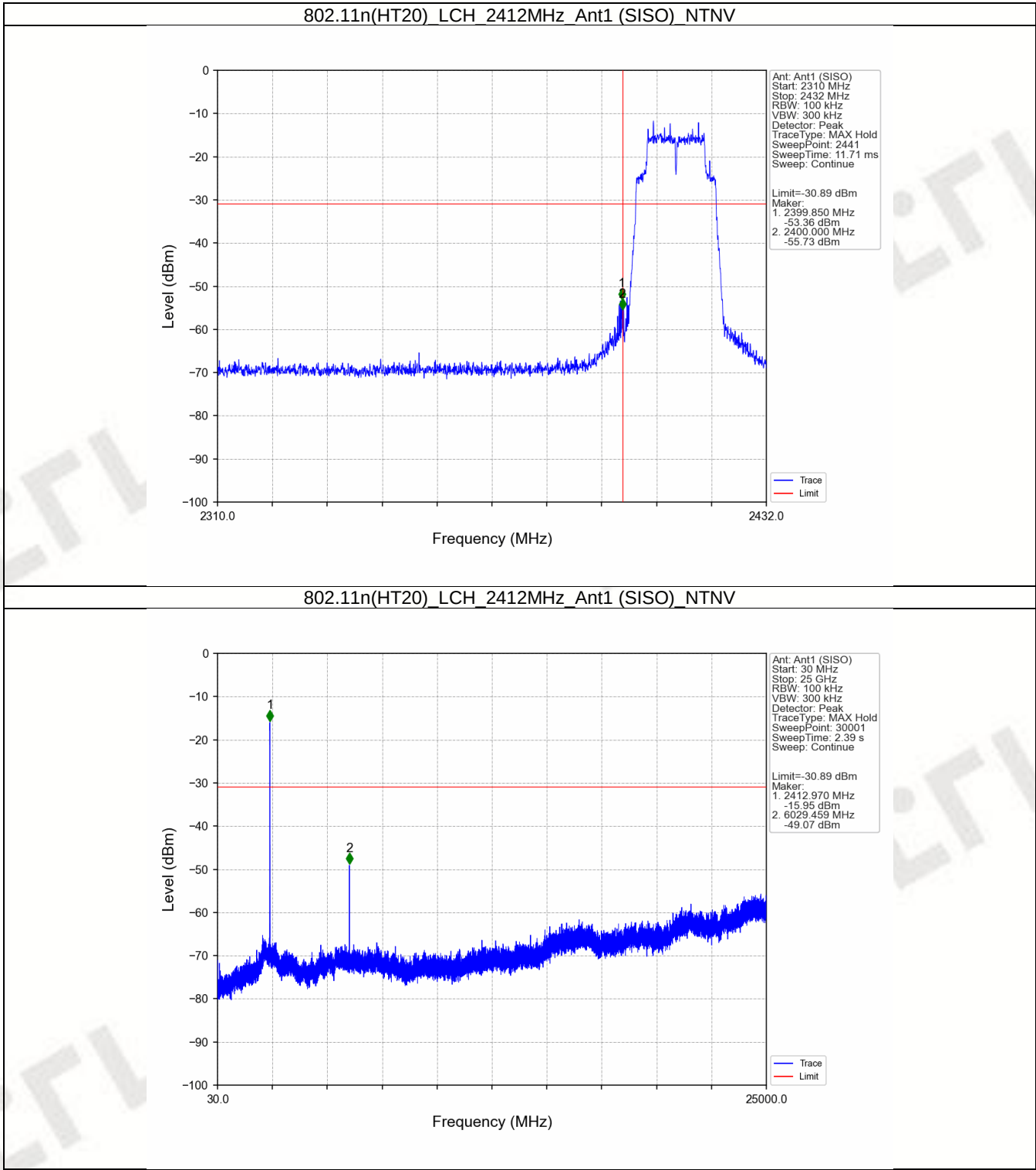
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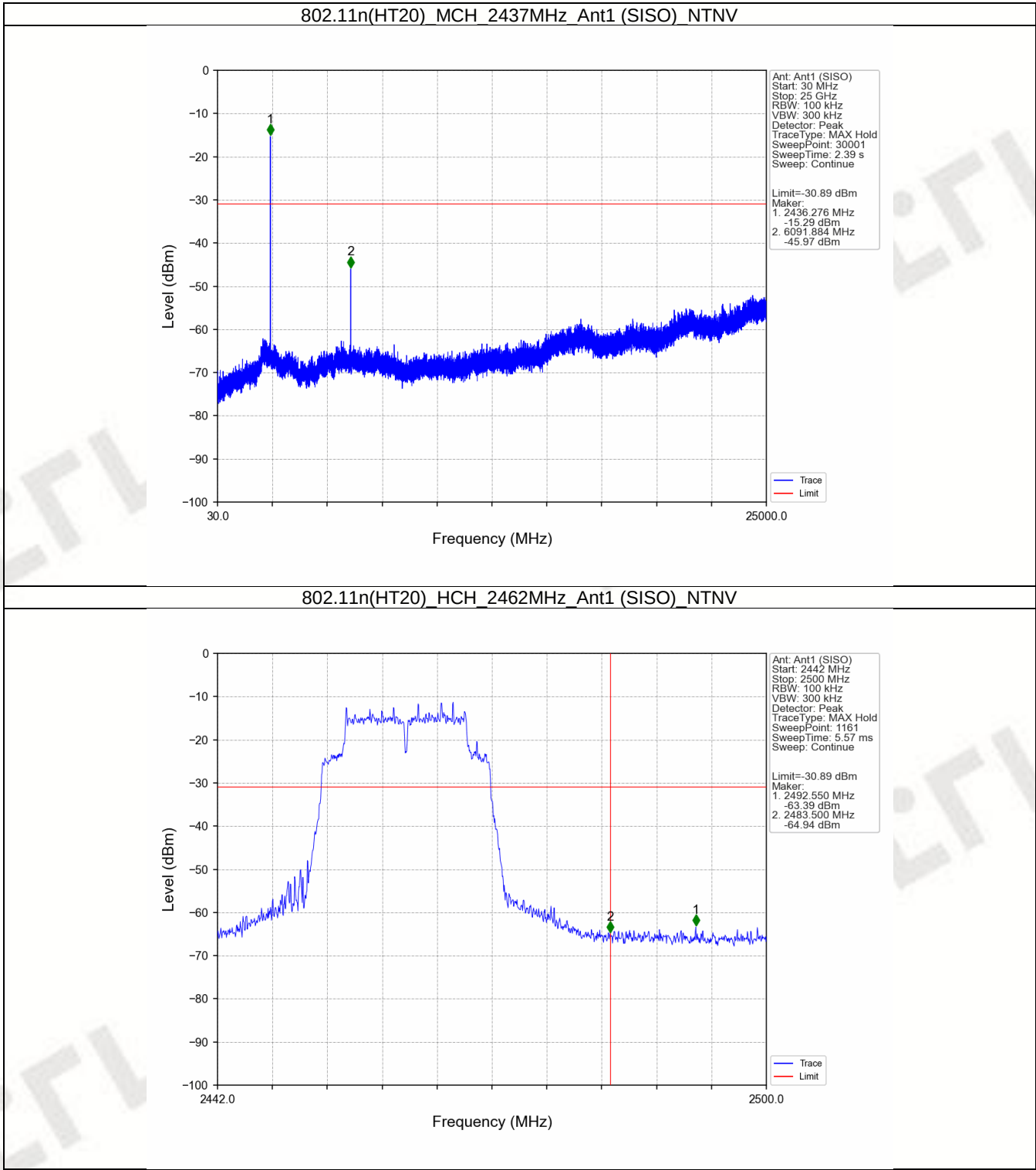
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