

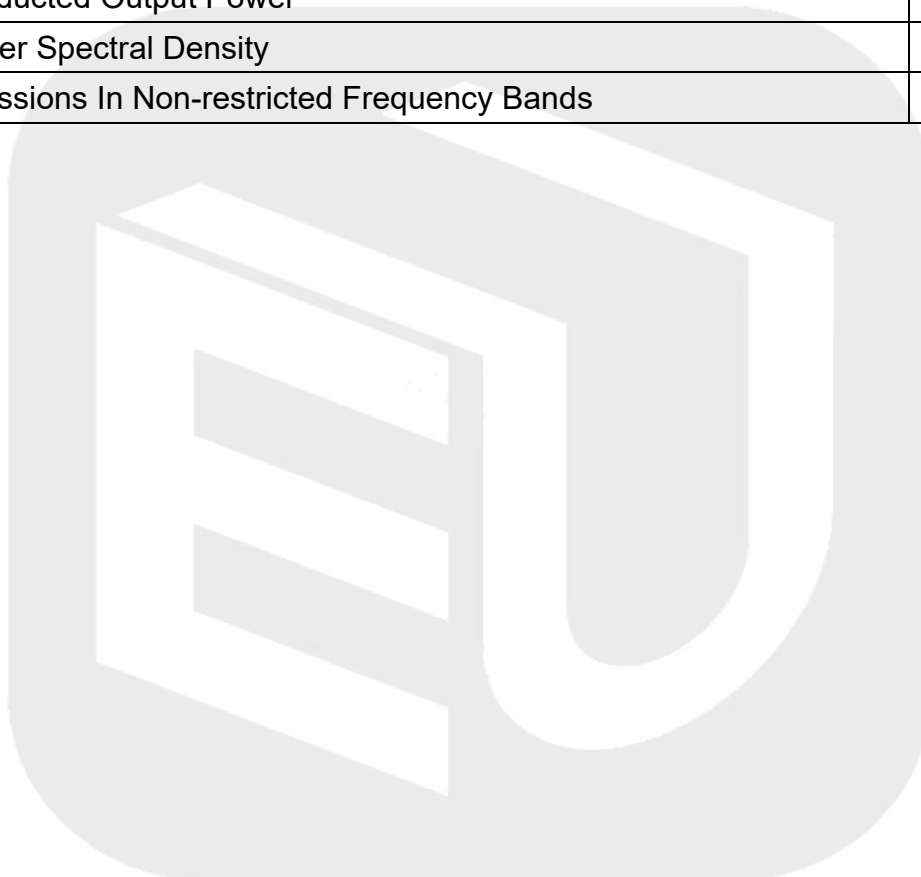
ANNEX E TEST DATA

For

Project No.:	8335EU012901W
Client:	Shenzhen Qianyan Technology LTD
Product Name:	Govee RGBWIC TV Backlight 2
Model No.:	H6672
FCC ID:	2A7VD-H6672
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-11-01

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass



1. Duty Cycle

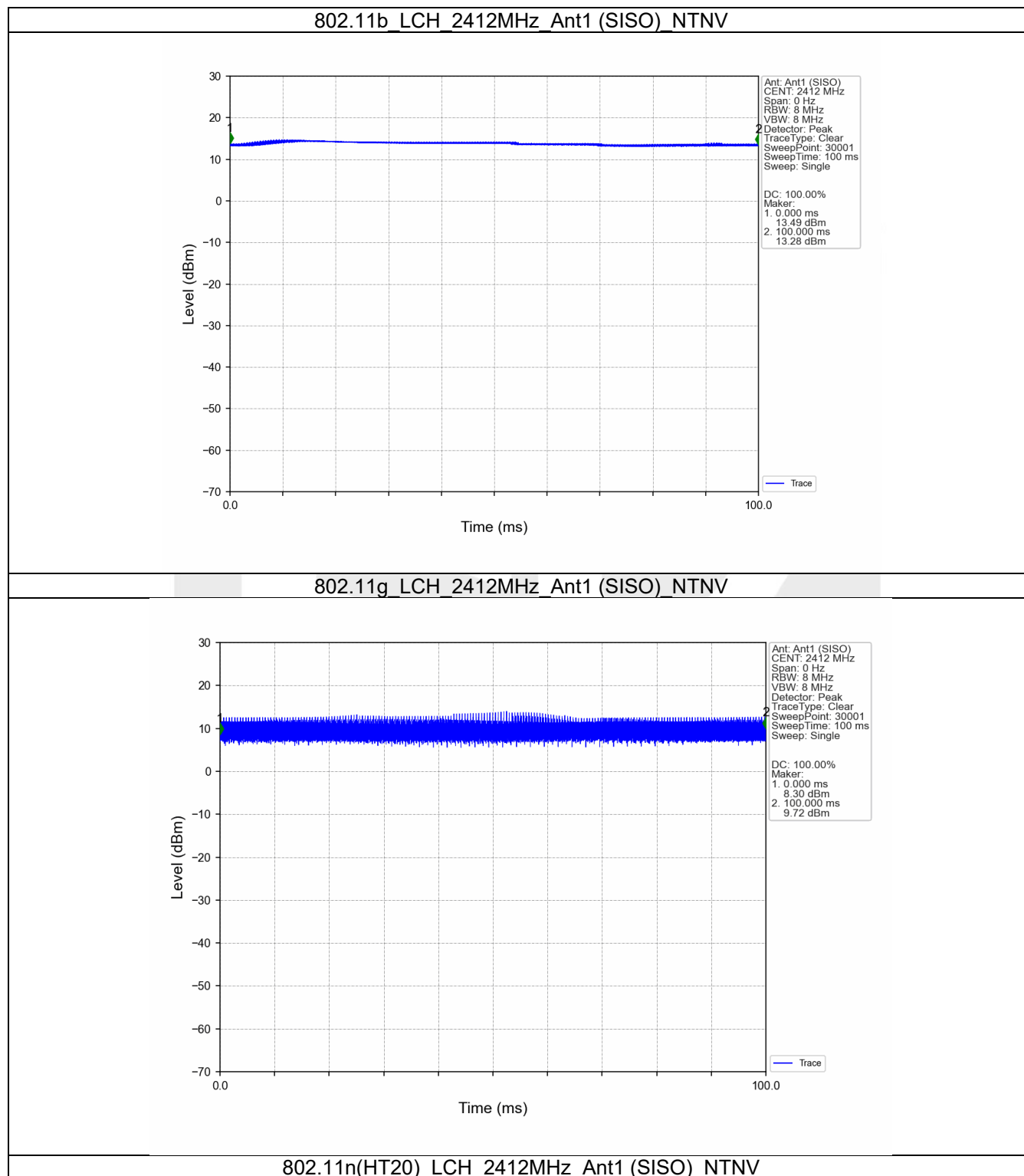
1.1 Test Result

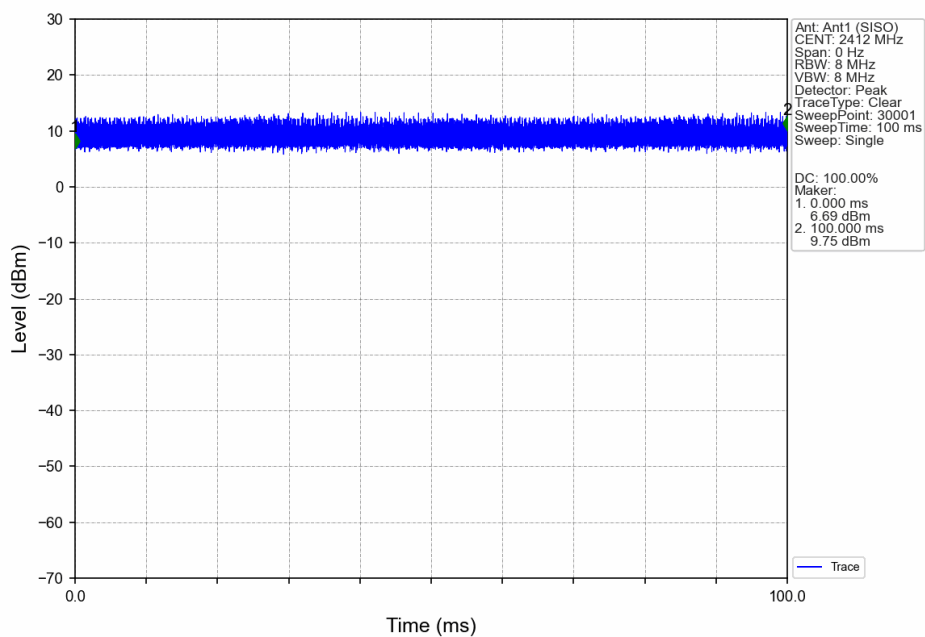
1.1.1 Ant1

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	100.000	100.000	100.00	0.00	0.00
802.11g	SISO	2412	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	SISO	2412	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

1.2.1 Ant1





2. Bandwidth

2.1 Test Result

2.1.1 OBW

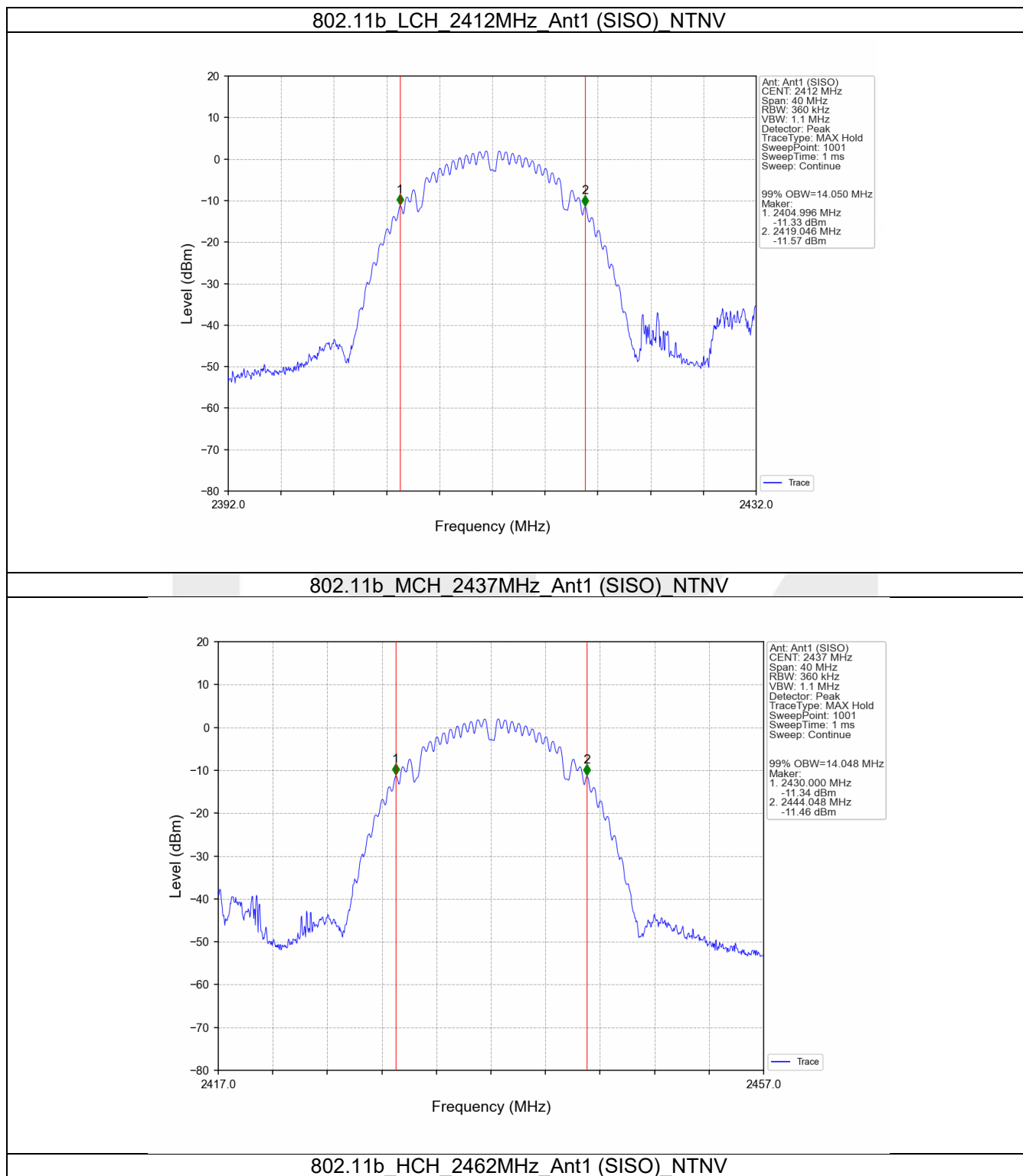
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.050	/	Pass
		2437	1	14.048	/	Pass
		2462	1	14.045	/	Pass
802.11g	SISO	2412	1	17.683	/	Pass
		2437	1	17.695	/	Pass
		2462	1	17.687	/	Pass
802.11n (HT20)	SISO	2412	1	18.556	/	Pass
		2437	1	18.577	/	Pass
		2462	1	18.569	/	Pass

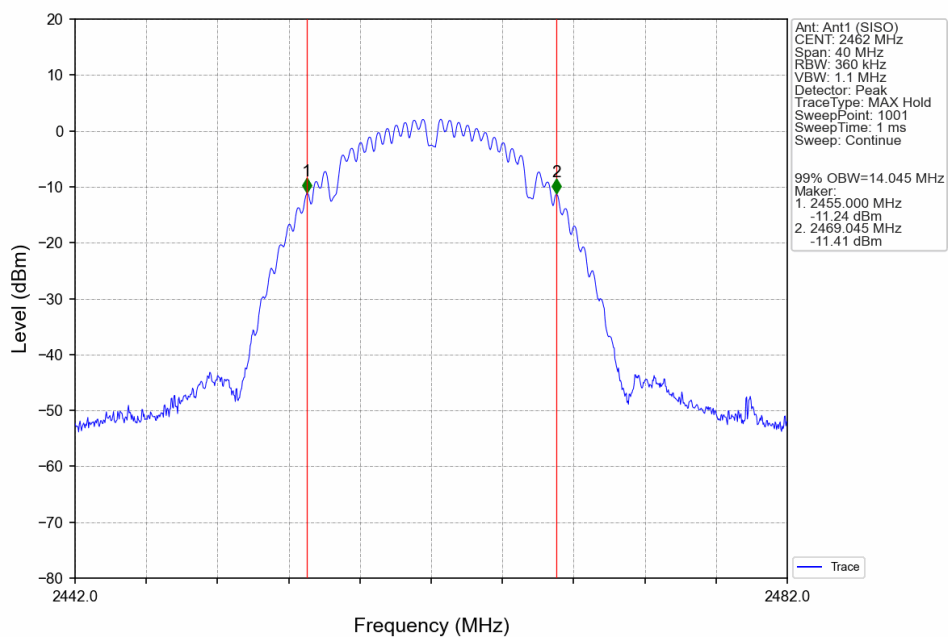
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.241	≥ 0.5	Pass
		2437	1	9.238	≥ 0.5	Pass
		2462	1	9.242	≥ 0.5	Pass
802.11g	SISO	2412	1	16.606	≥ 0.5	Pass
		2437	1	16.583	≥ 0.5	Pass
		2462	1	16.628	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.701	≥ 0.5	Pass
		2437	1	17.712	≥ 0.5	Pass
		2462	1	17.718	≥ 0.5	Pass

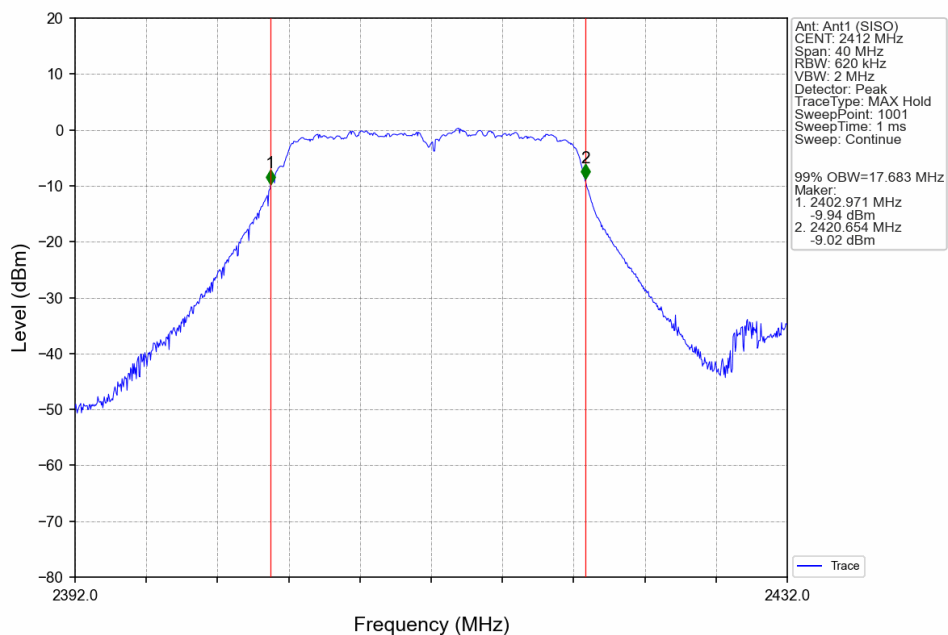
2.2 Test Graph

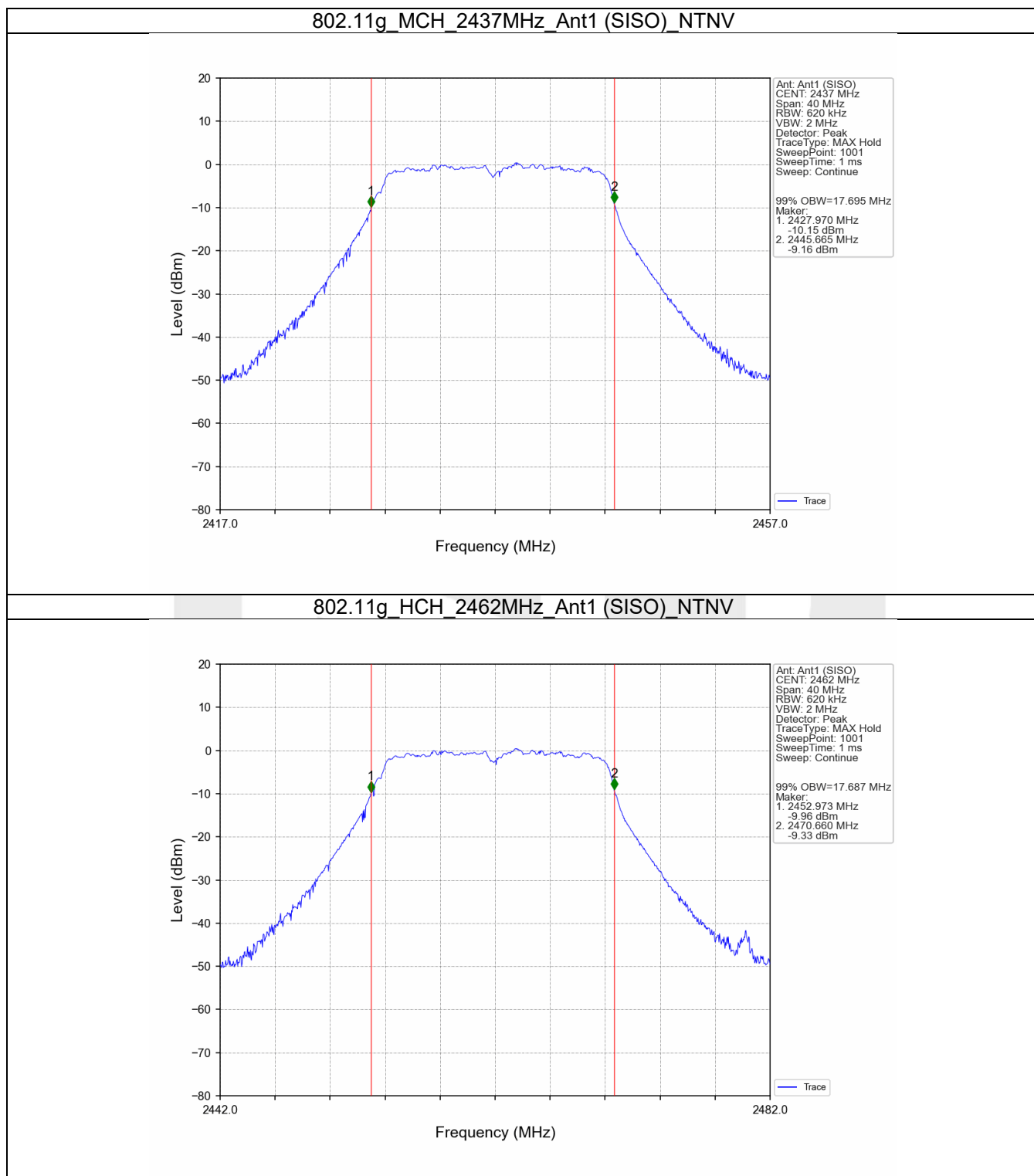
2.2.1 OBW

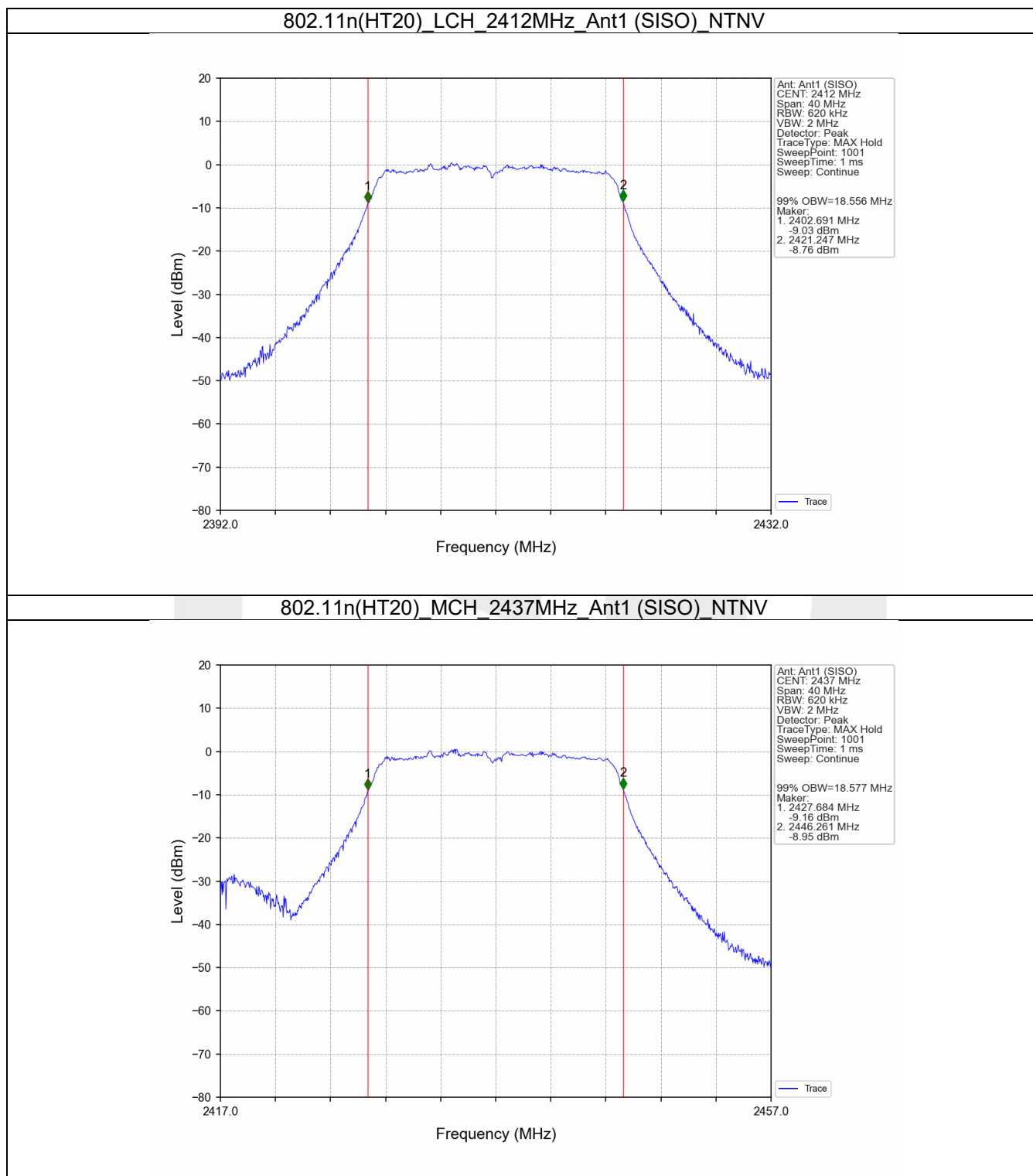


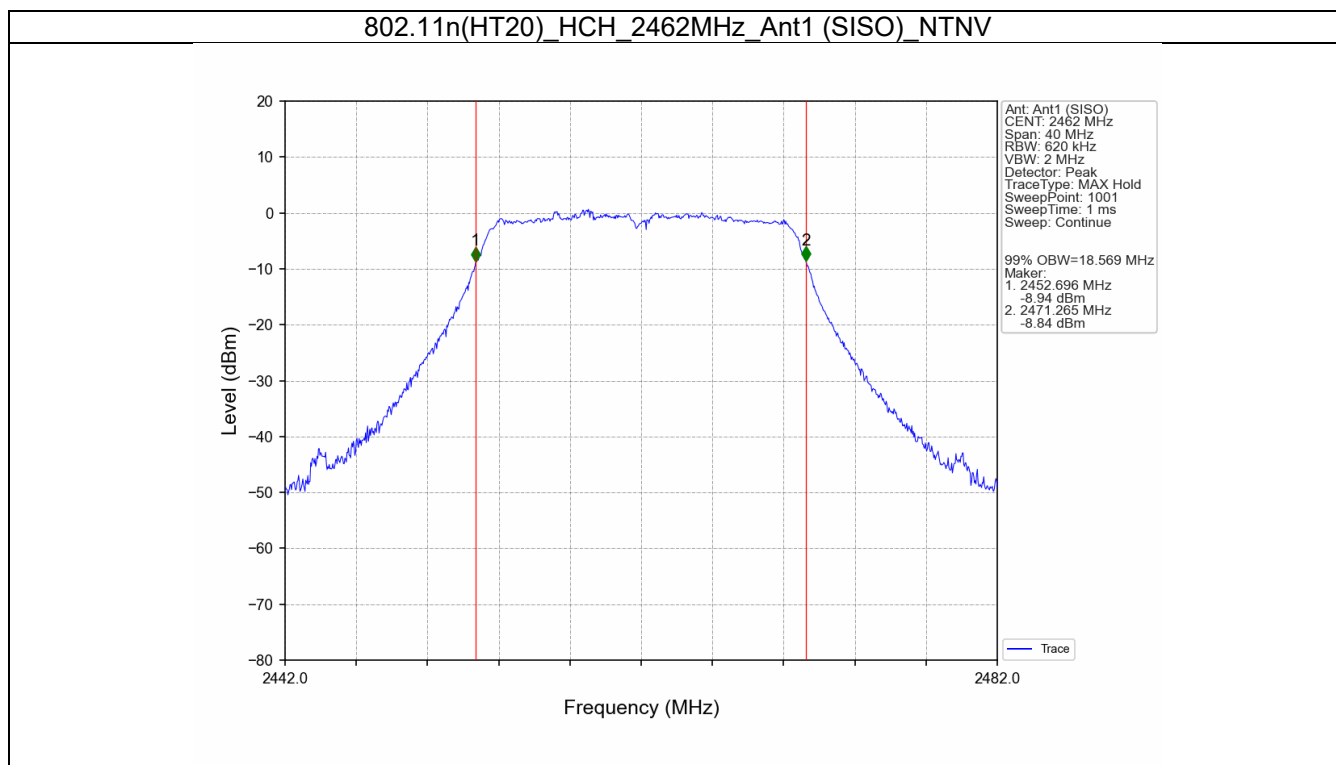


802.11g LCH 2412MHz Ant1 (SISO) NTNv

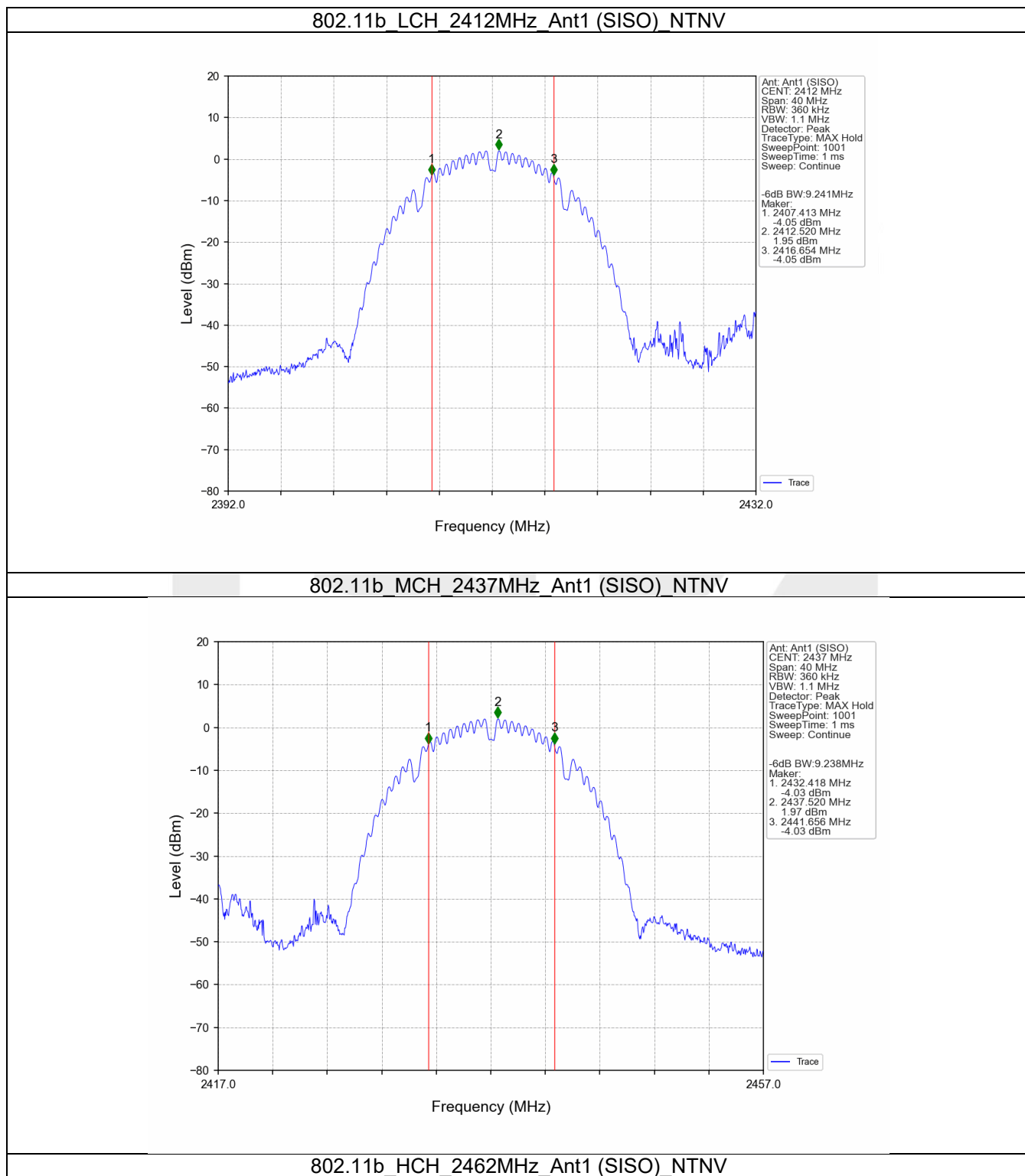


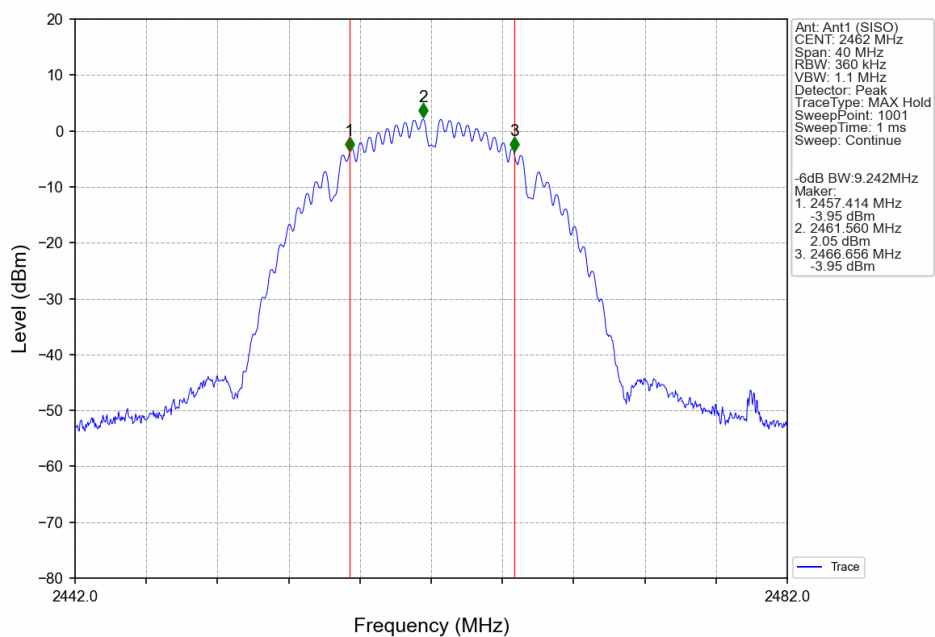




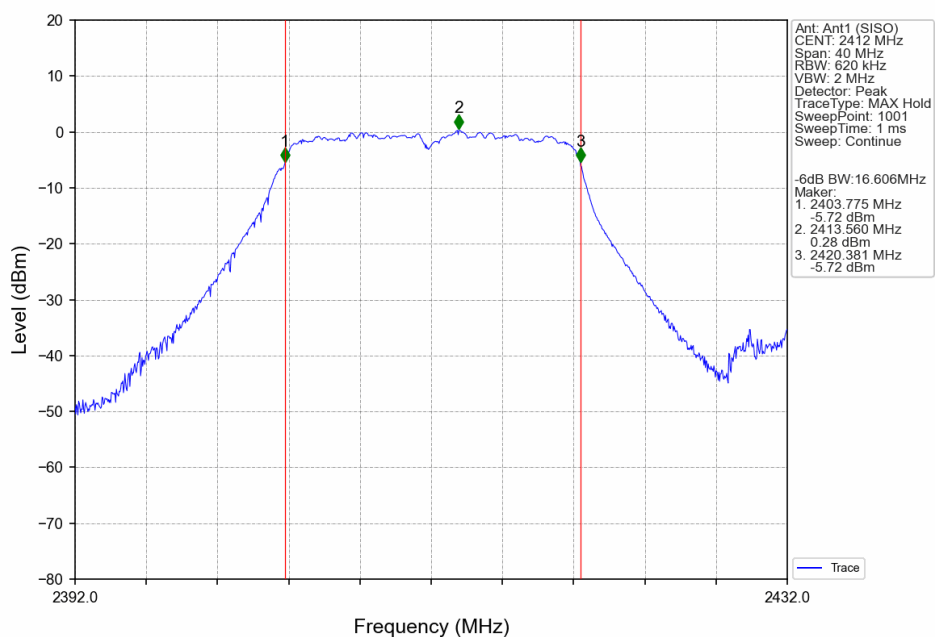


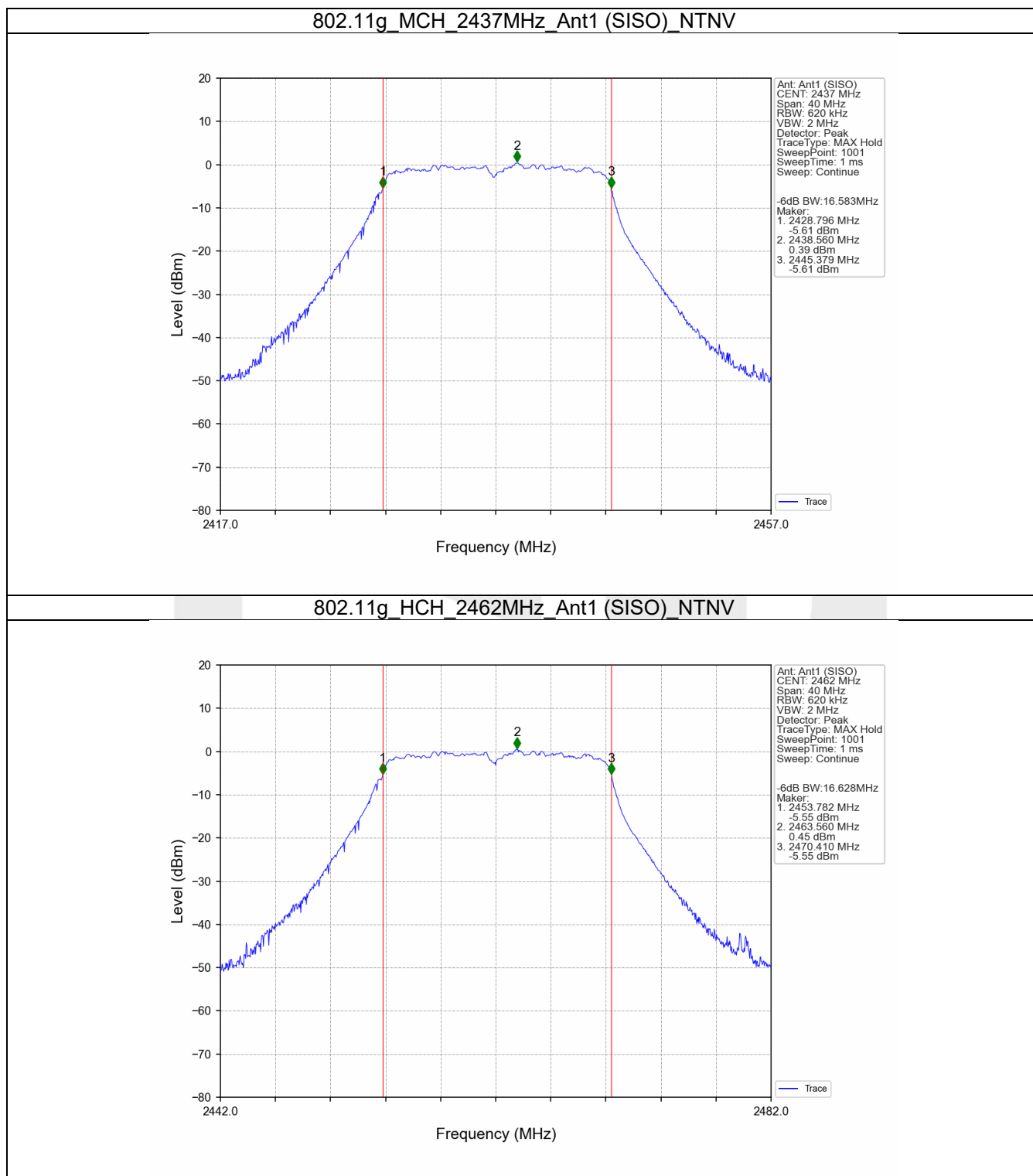
2.2.2 6dB BW

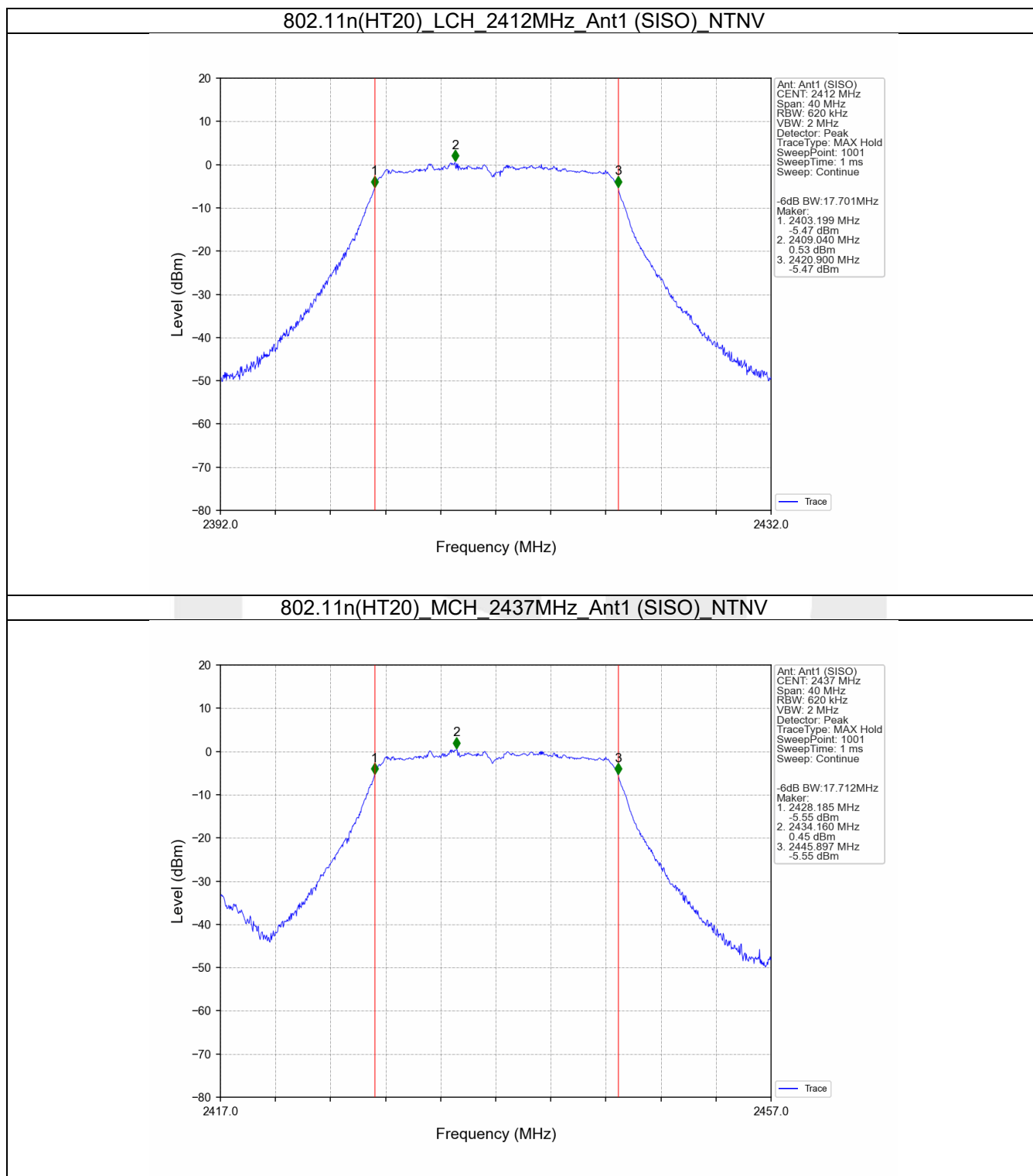


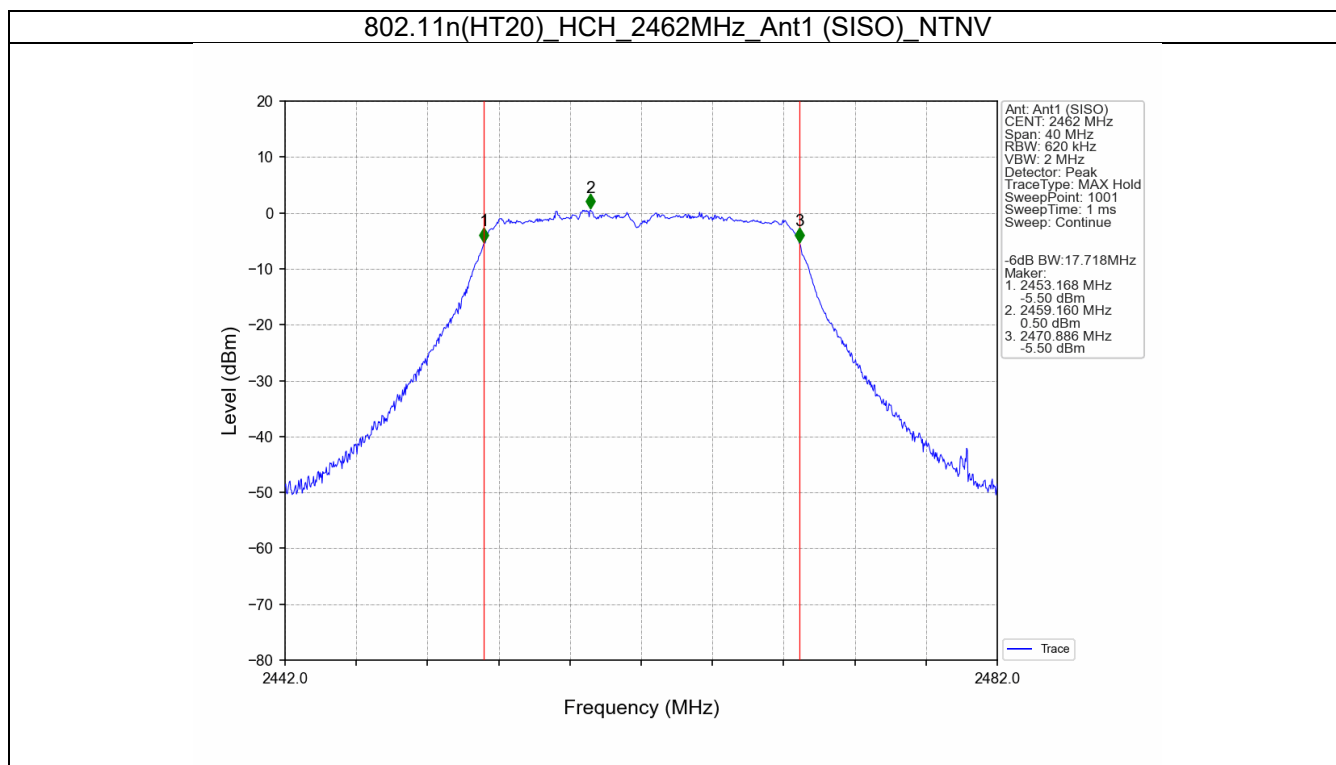


802.11g LCH 2412MHz Ant1 (SISO) NTNv









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	12.69	<=30	Pass
		2437	12.74	<=30	Pass
		2462	12.79	<=30	Pass
802.11g	SISO	2412	13.96	<=30	Pass
		2437	14.03	<=30	Pass
		2462	14.12	<=30	Pass
802.11n (HT20)	SISO	2412	14.12	<=30	Pass
		2437	14.16	<=30	Pass
		2462	14.22	<=30	Pass

4. Maximum Power Spectral Density

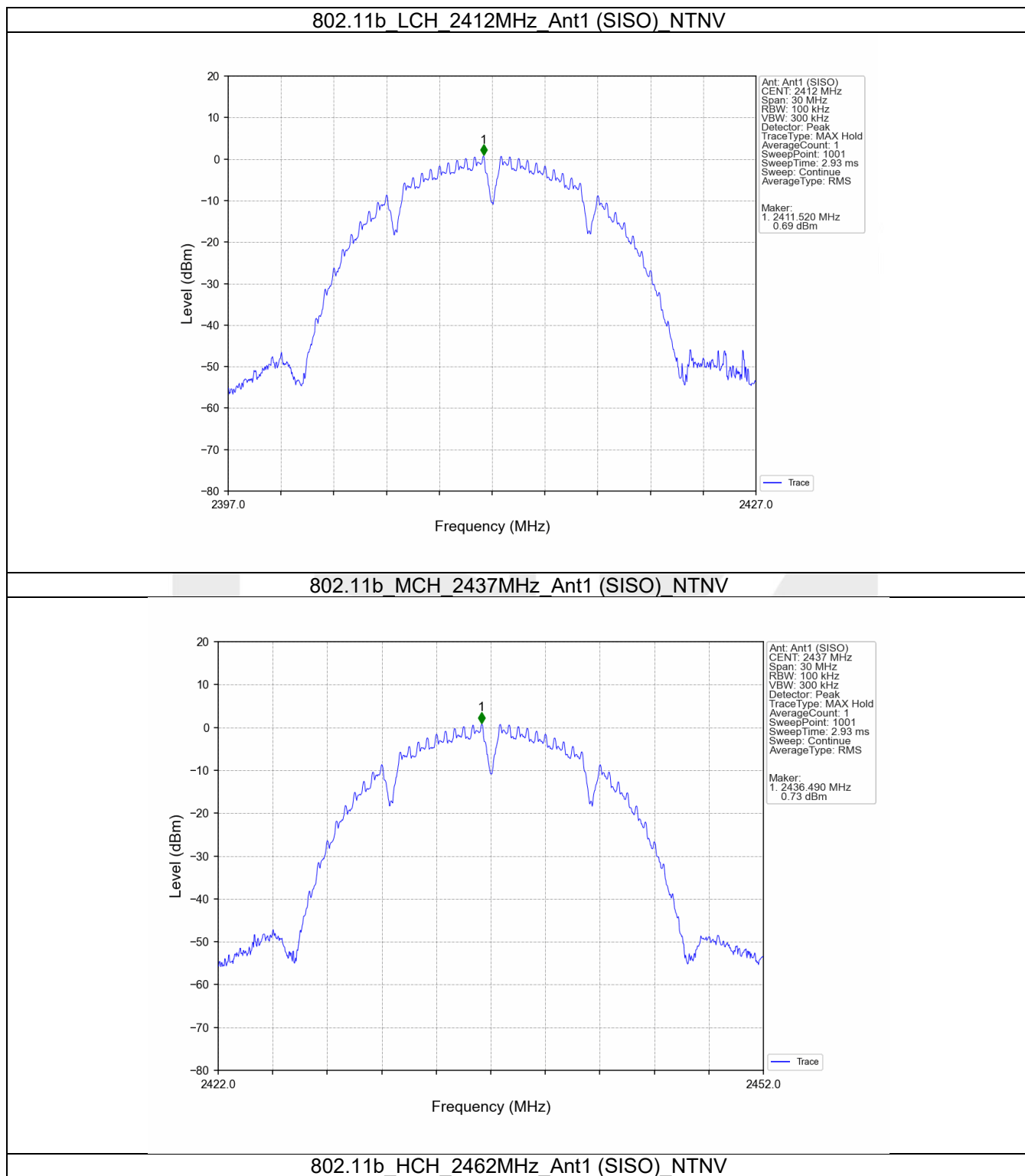
4.1 Test Result

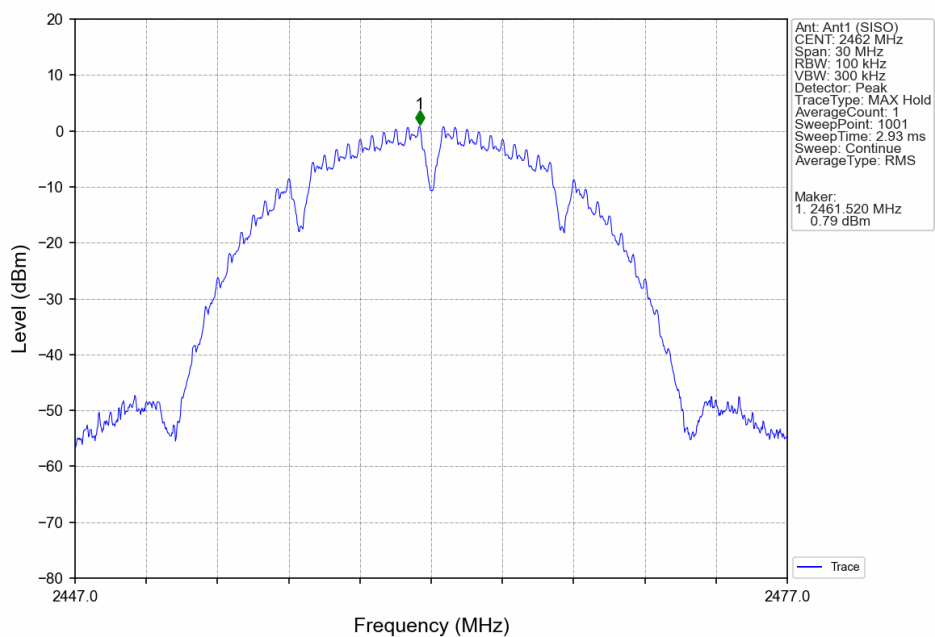
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD		Verdict
			ANT1 (dBm/100kHz)	Limit (dBm/3kHz)	
802.11b	SISO	2412	0.69	<=8	Pass
		2437	0.73	<=8	Pass
		2462	0.79	<=8	Pass
802.11g	SISO	2412	-7.67	<=8	Pass
		2437	-7.66	<=8	Pass
		2462	-7.58	<=8	Pass
802.11n (HT20)	SISO	2412	-7.48	<=8	Pass
		2437	-7.26	<=8	Pass
		2462	-7.81	<=8	Pass

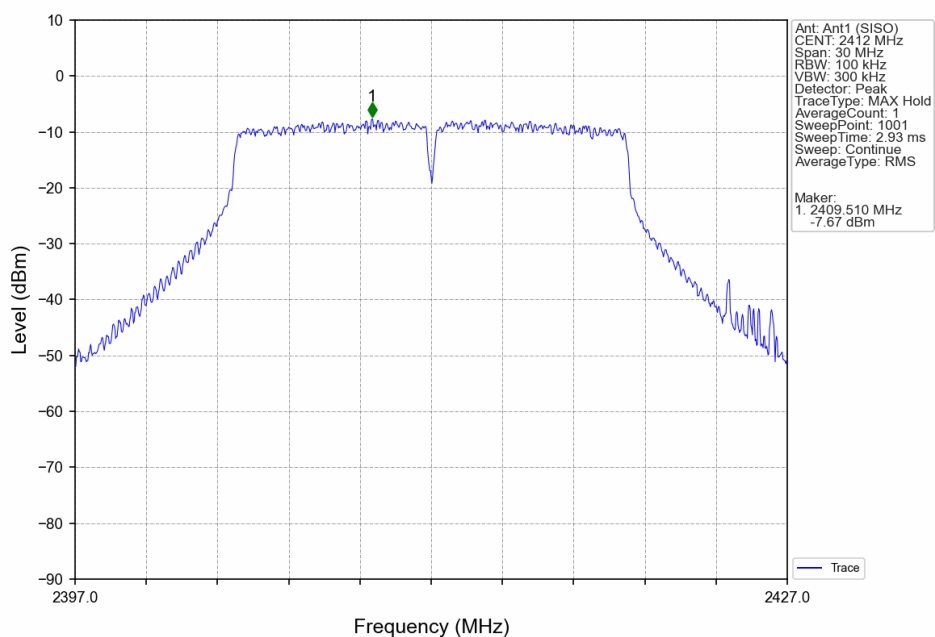
4.2 Test Graph

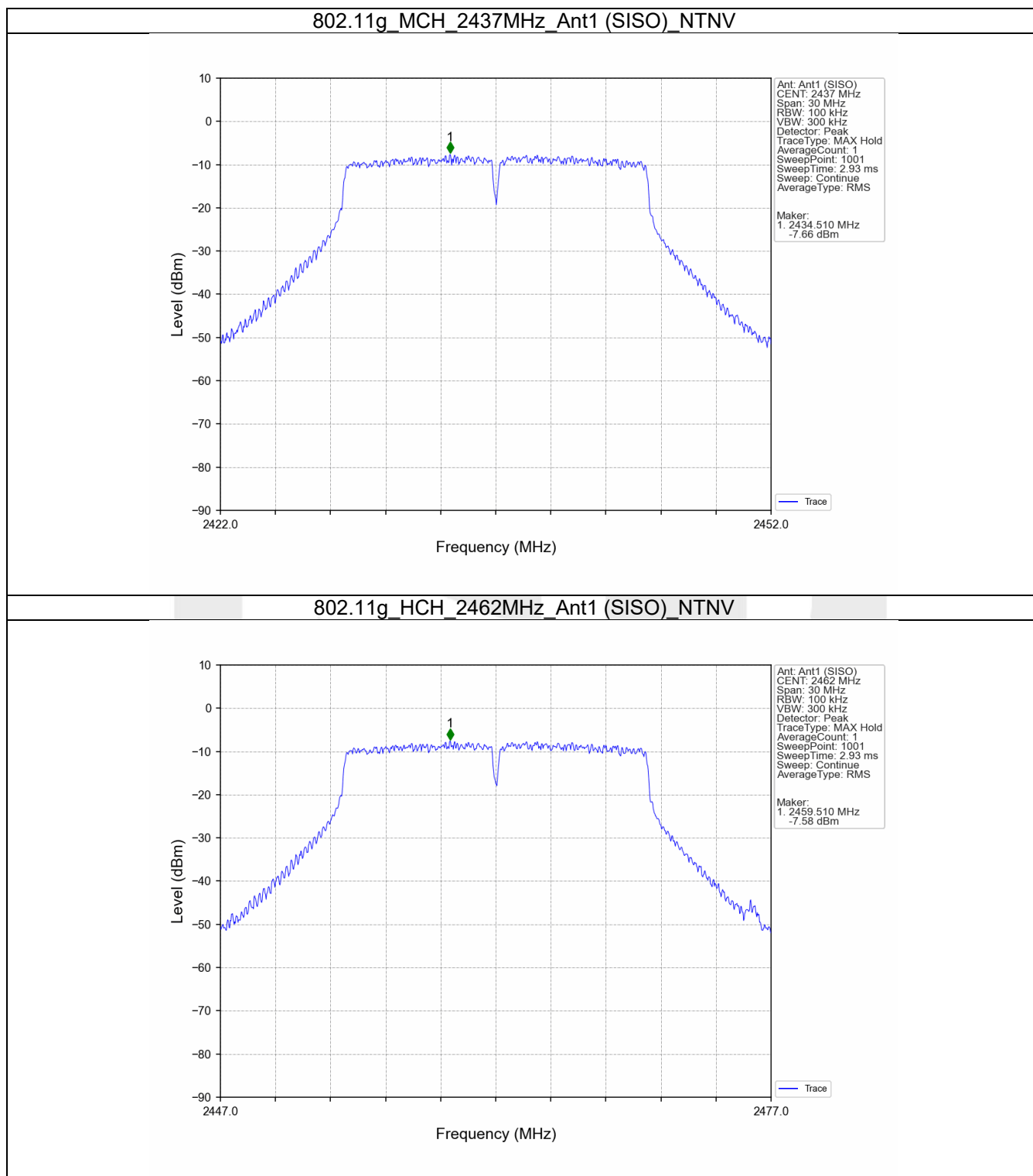
4.2.1 PSD

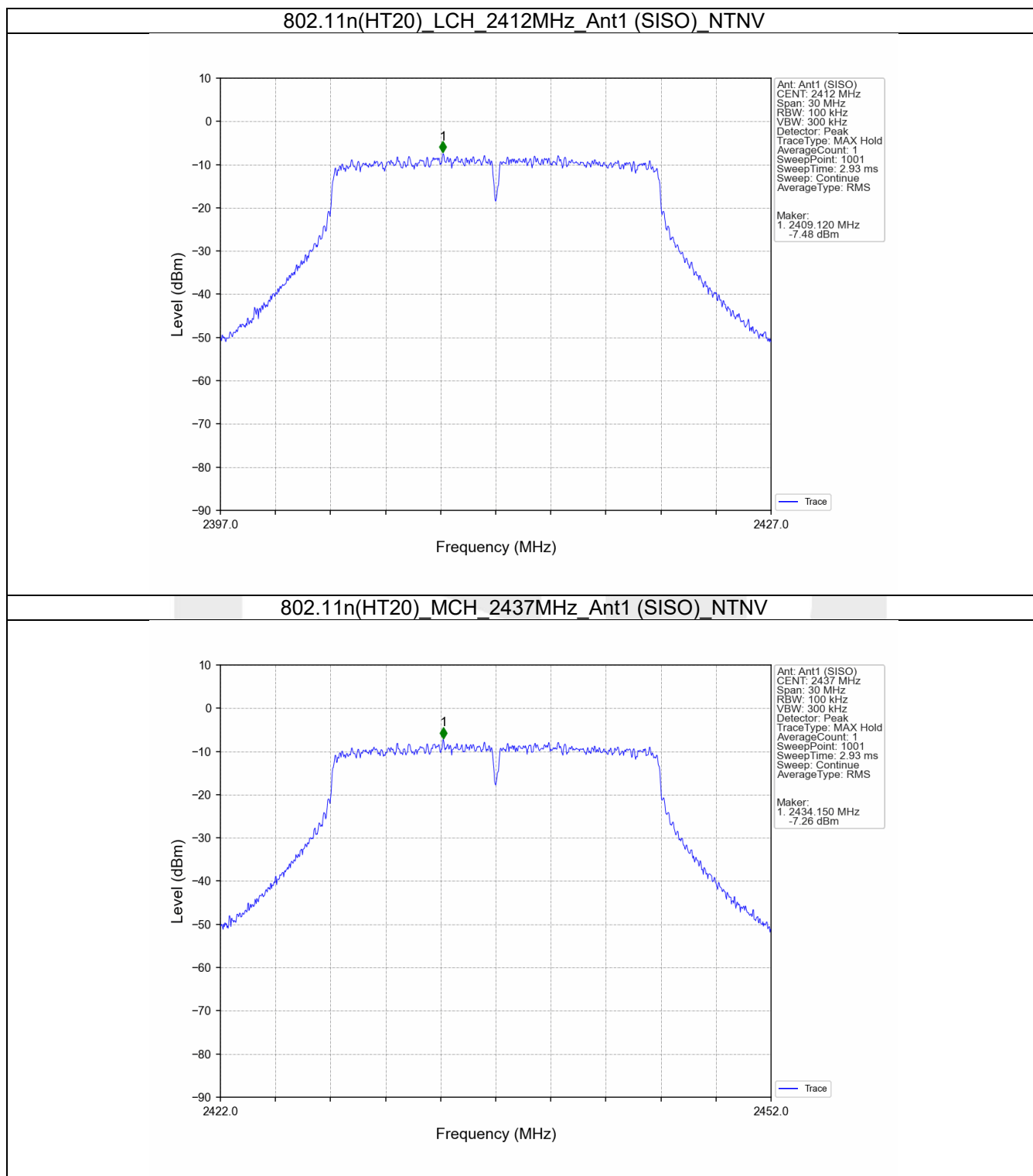


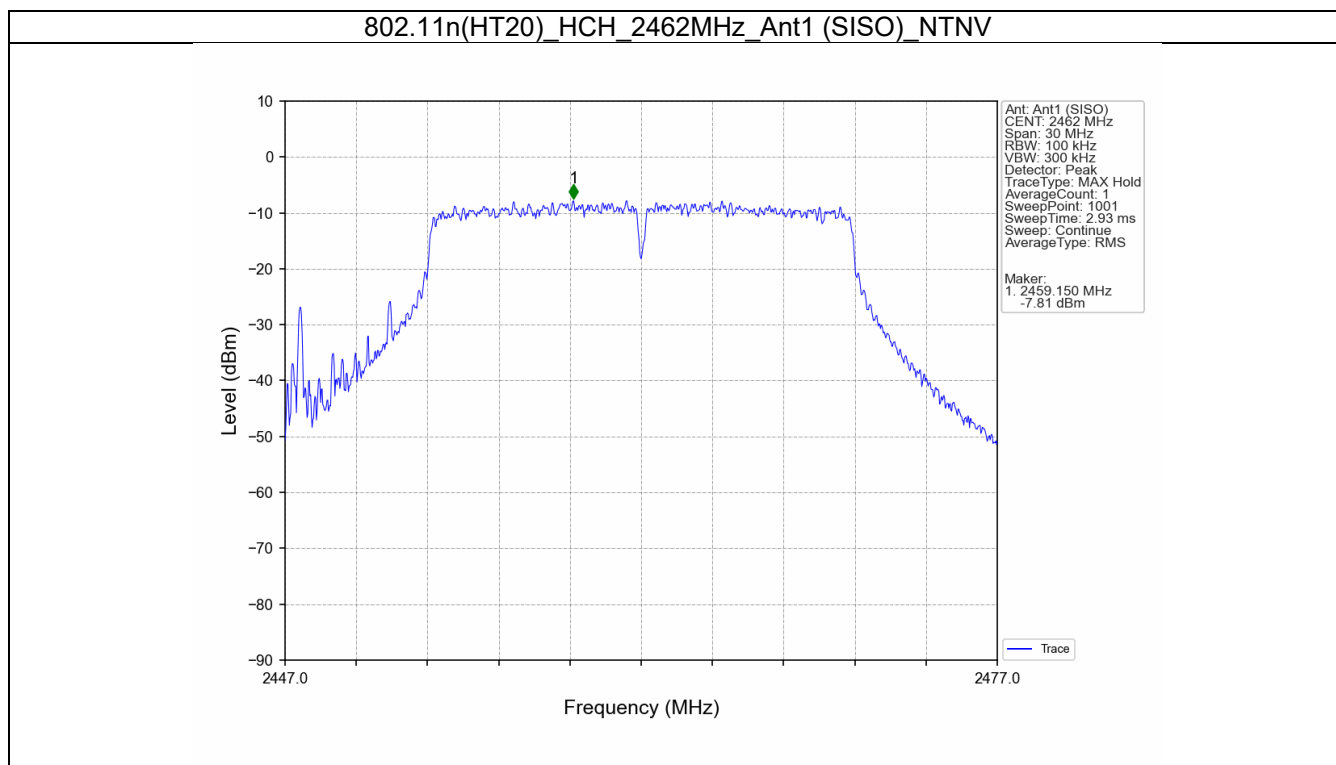


802.11g LCH 2412MHz Ant1 (SISO) NTN









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	0.69
		2437	1	0.73
		2462	1	0.78
802.11g	SISO	2412	1	-7.68
		2437	1	-7.70
		2462	1	-7.54
802.11n (HT20)	SISO	2412	1	-7.37
		2437	1	-7.25
		2462	1	-7.26

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.

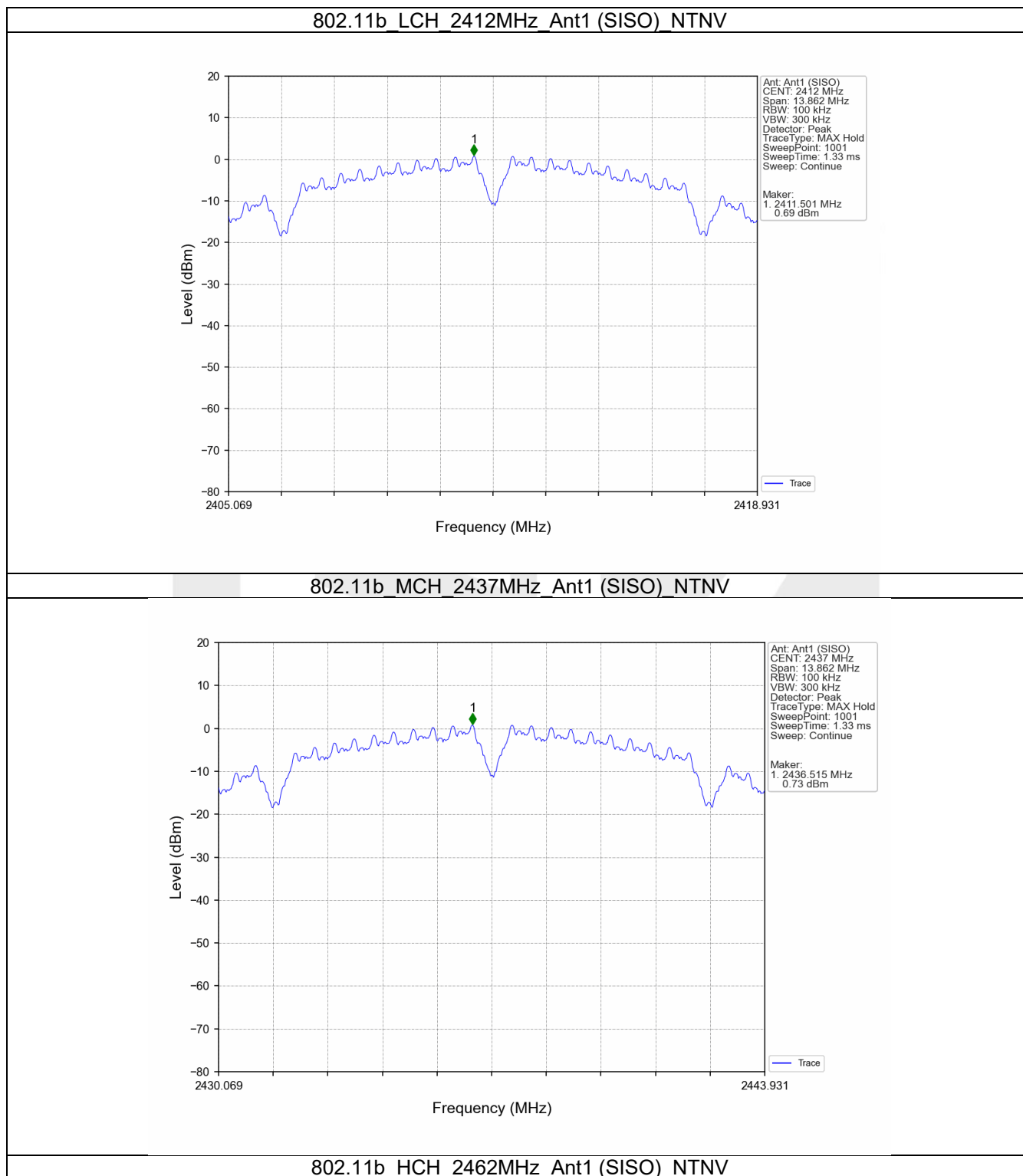
5.1.2 CSE

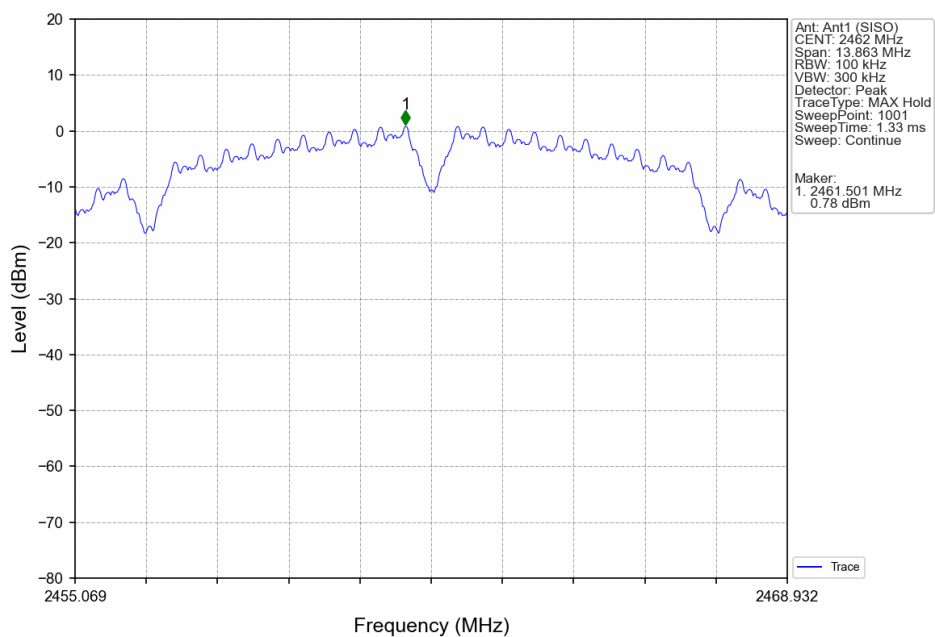
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	0.69	-19.31	Pass
		2437	1	0.73	-19.27	Pass
		2462	1	0.78	-19.22	Pass
802.11g	SISO	2412	1	-7.68	-27.68	Pass
		2437	1	-7.70	-27.70	Pass
		2462	1	-7.54	-27.54	Pass
802.11n (HT20)	SISO	2412	1	-7.37	-27.37	Pass
		2437	1	-7.25	-27.25	Pass
		2462	1	-7.26	-27.26	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.

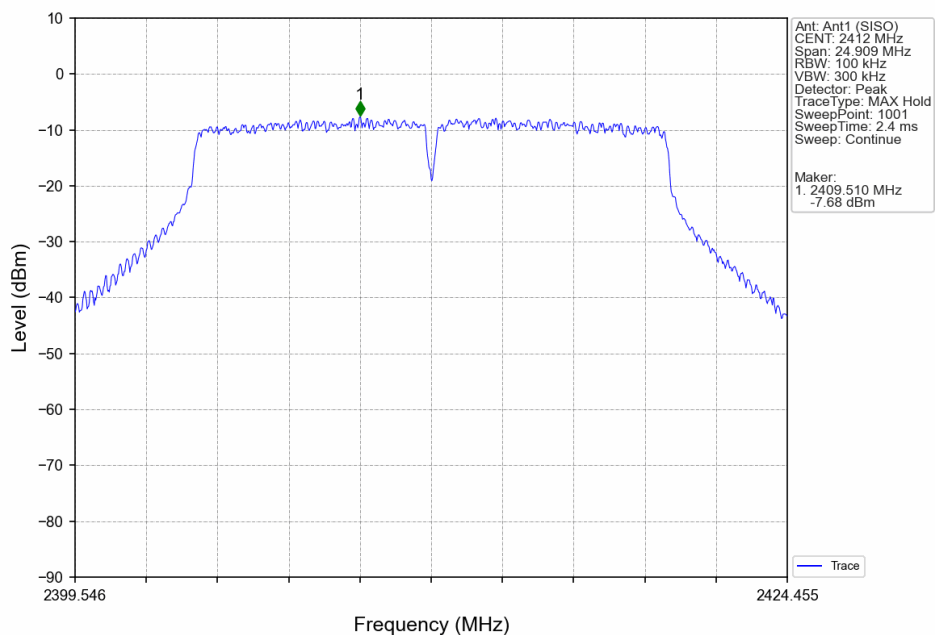
5.2 Test Graph

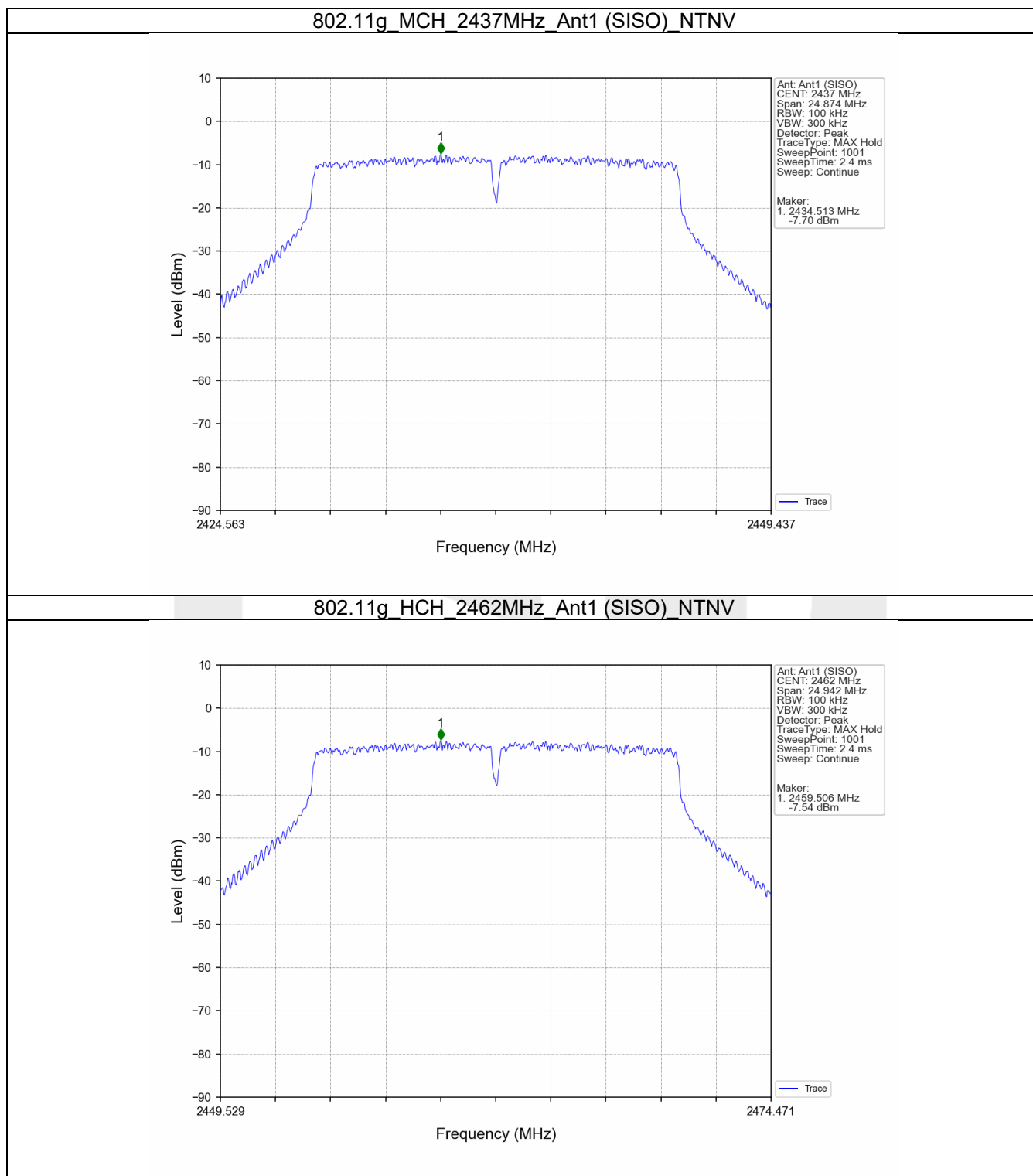
5.2.1 Ref

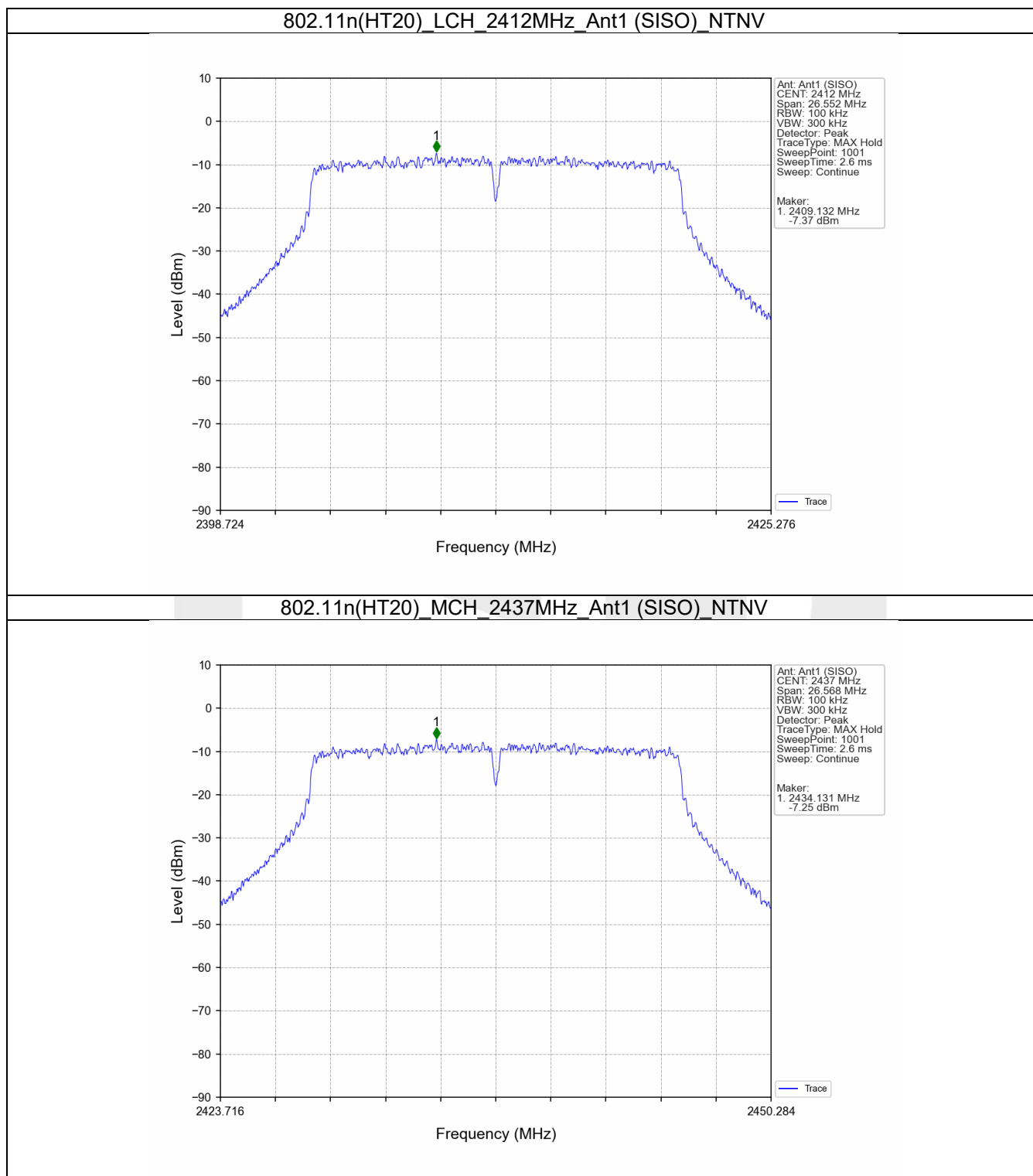


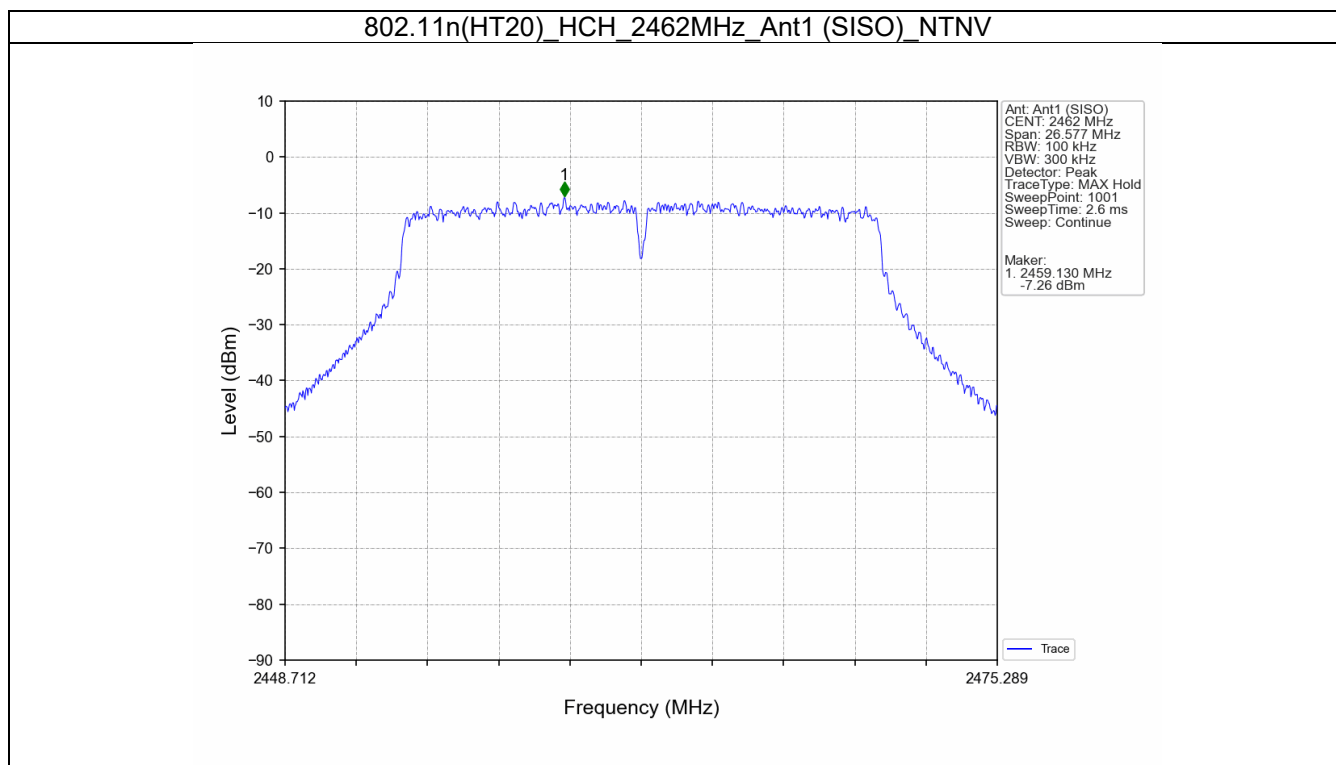


802.11g LCH 2412MHz Ant1 (SISO) NTN

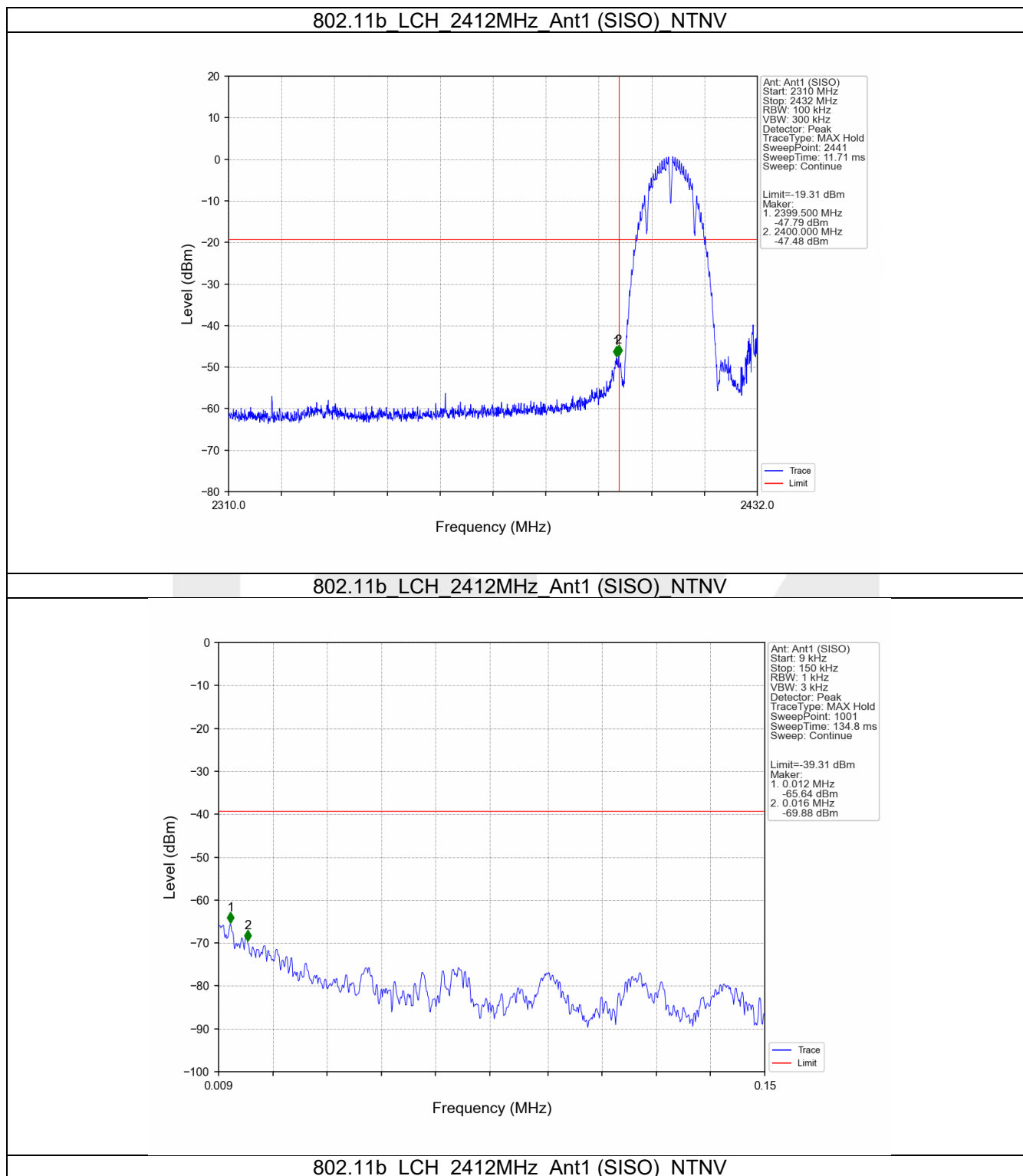


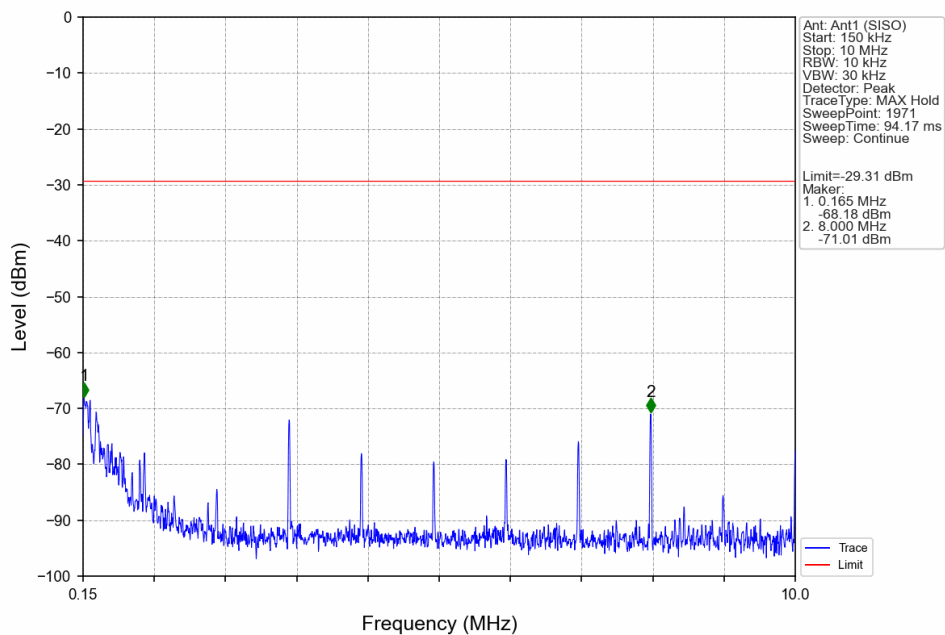




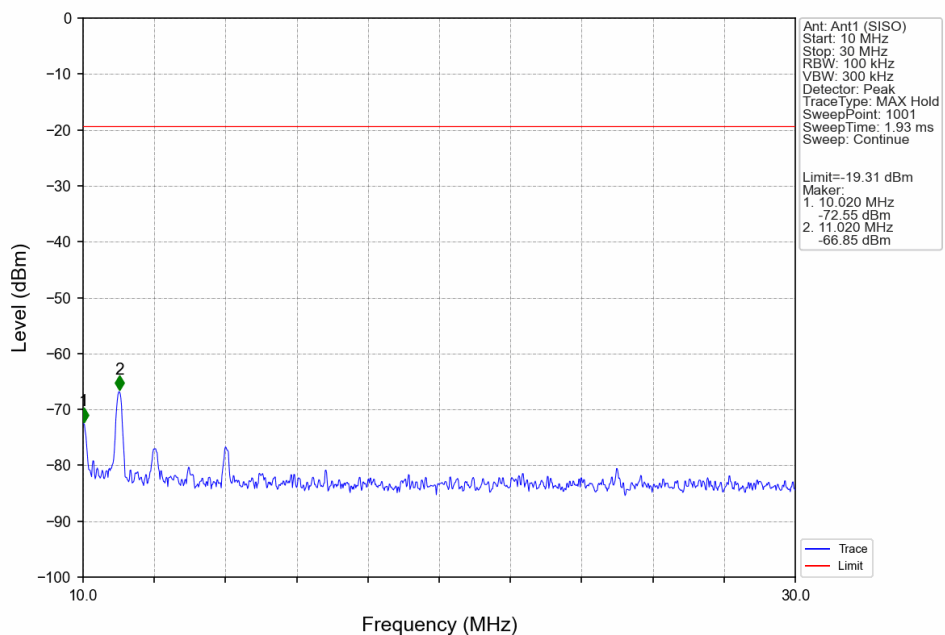


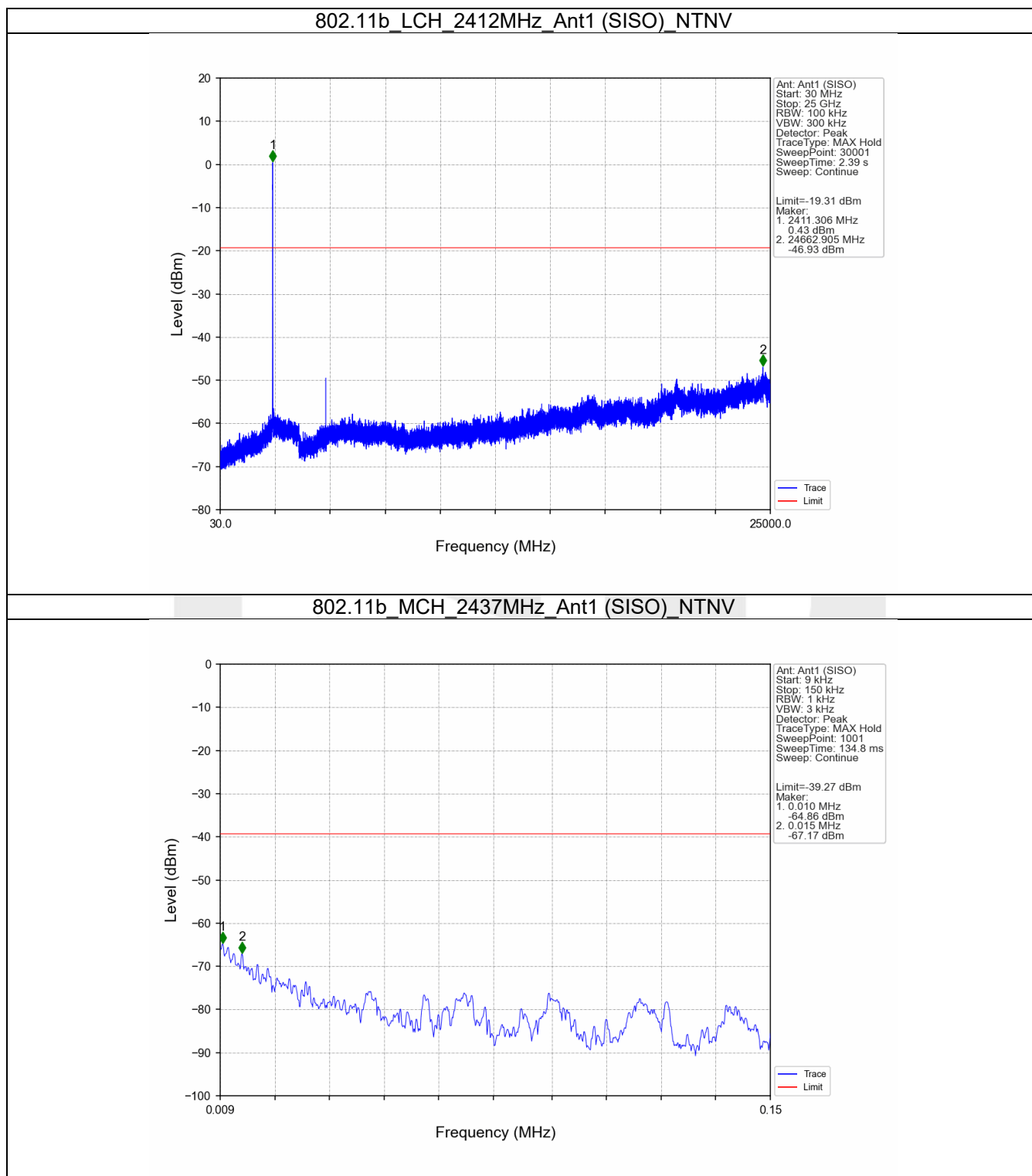
5.2.2 CSE

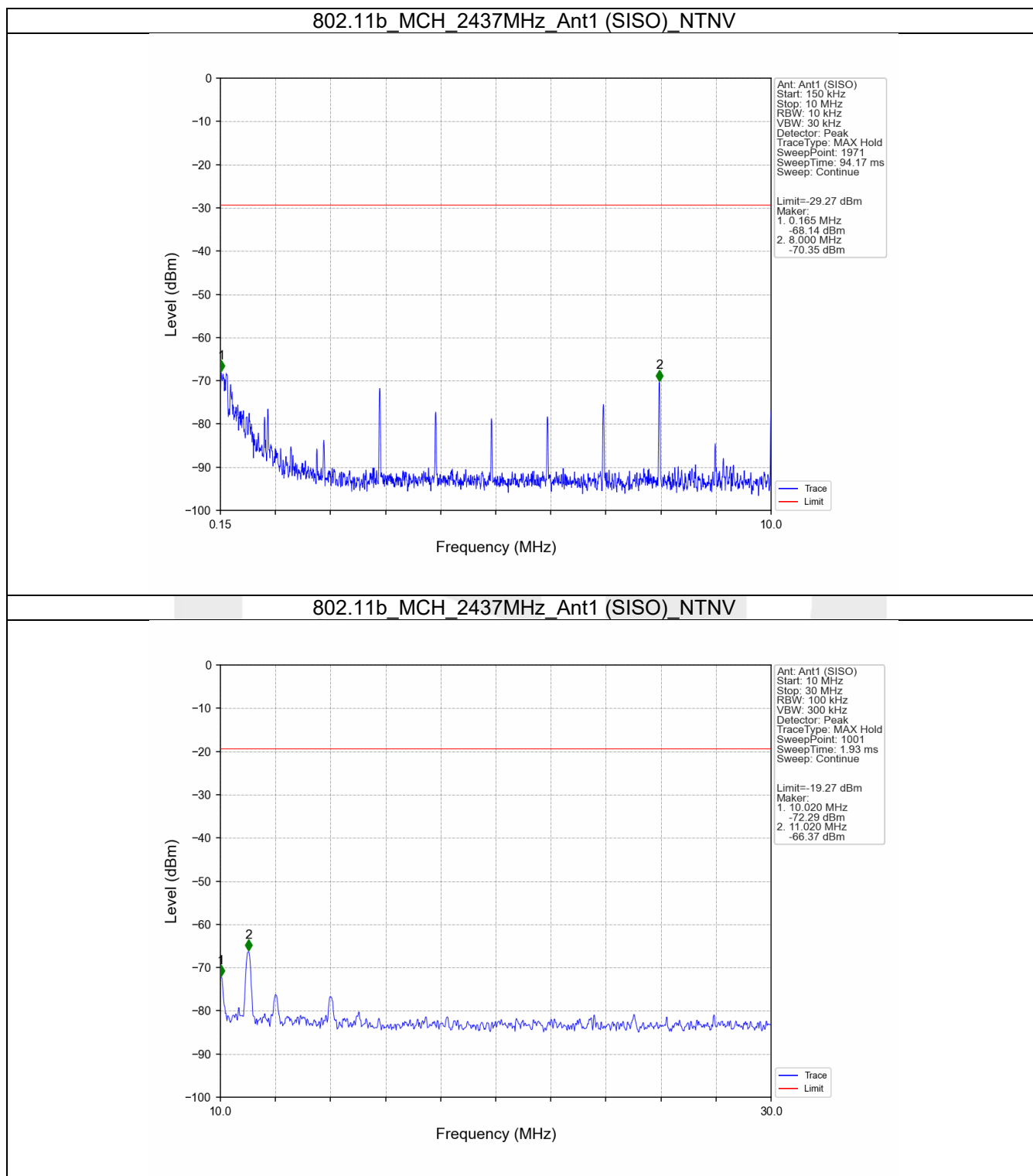


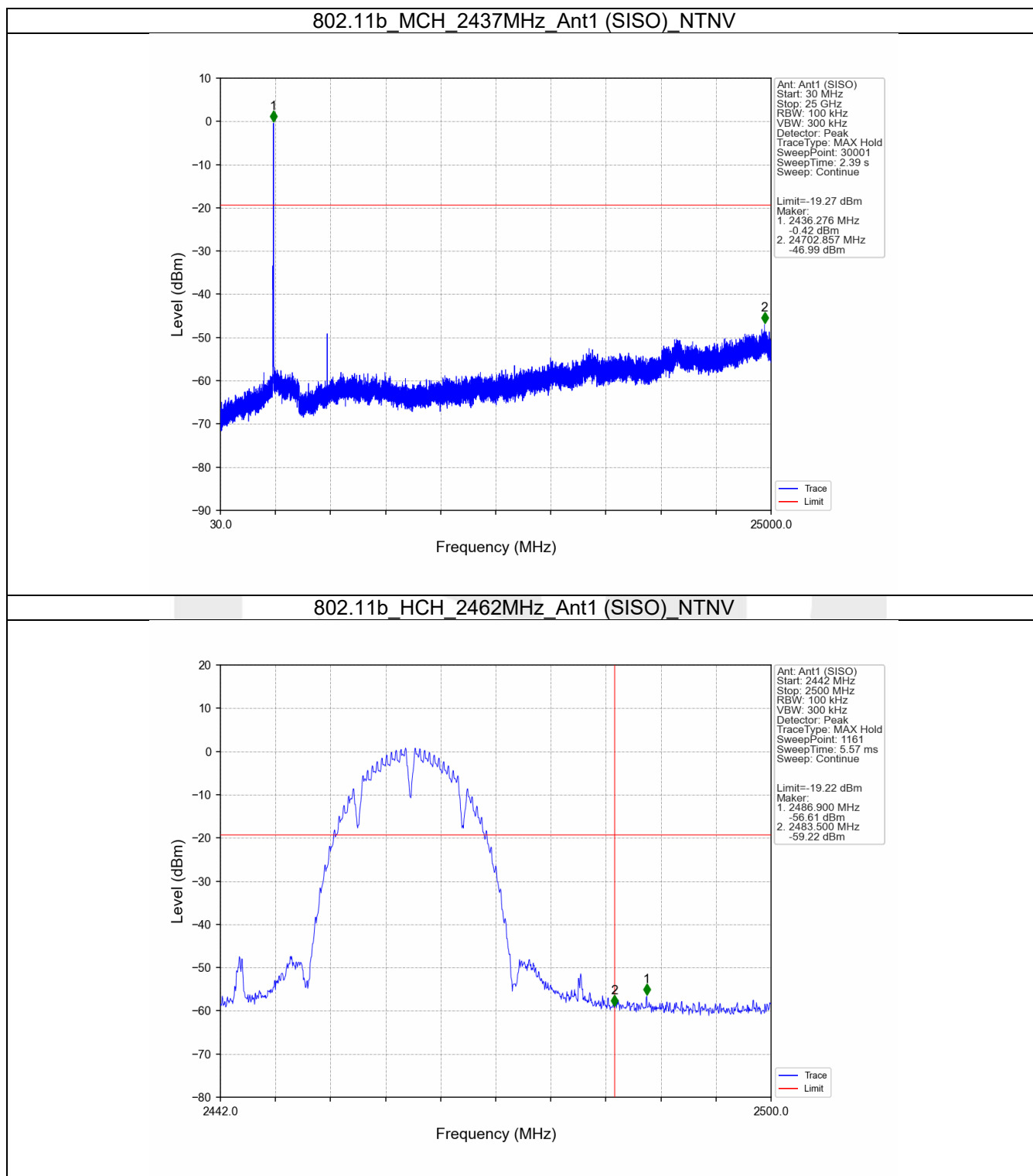


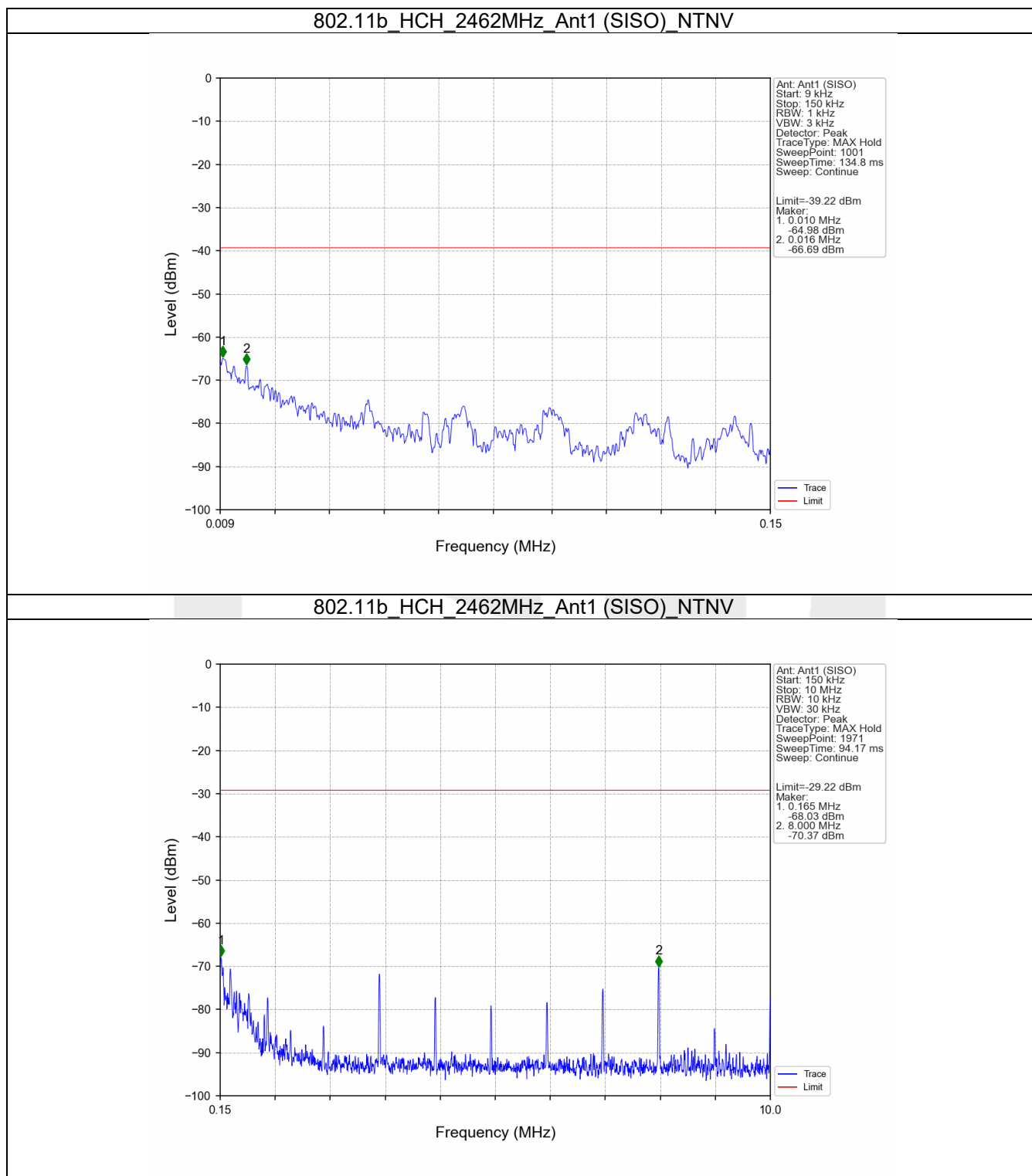
802.11b LCH_2412MHz_Ant1 (SISO)_NTNV

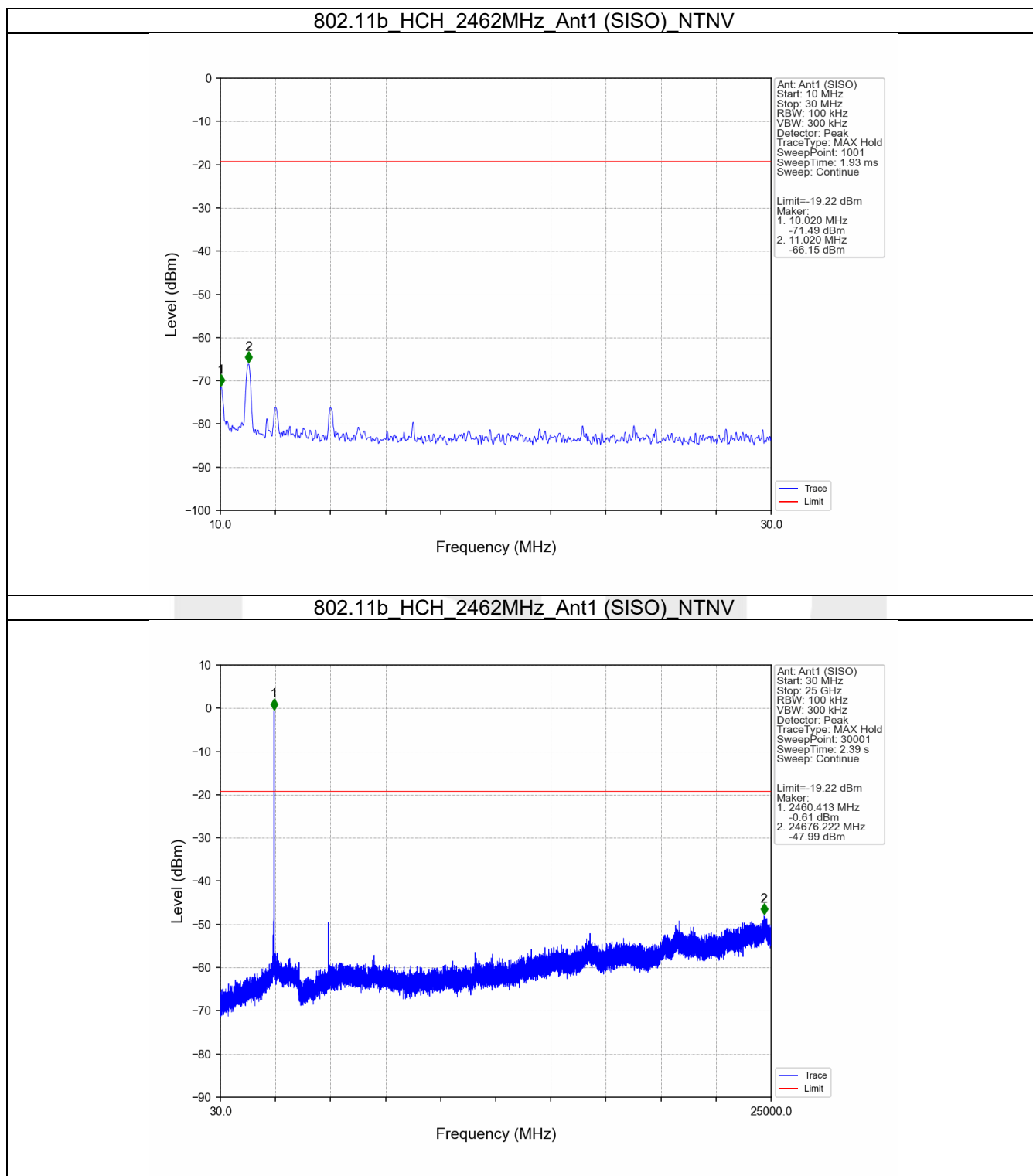


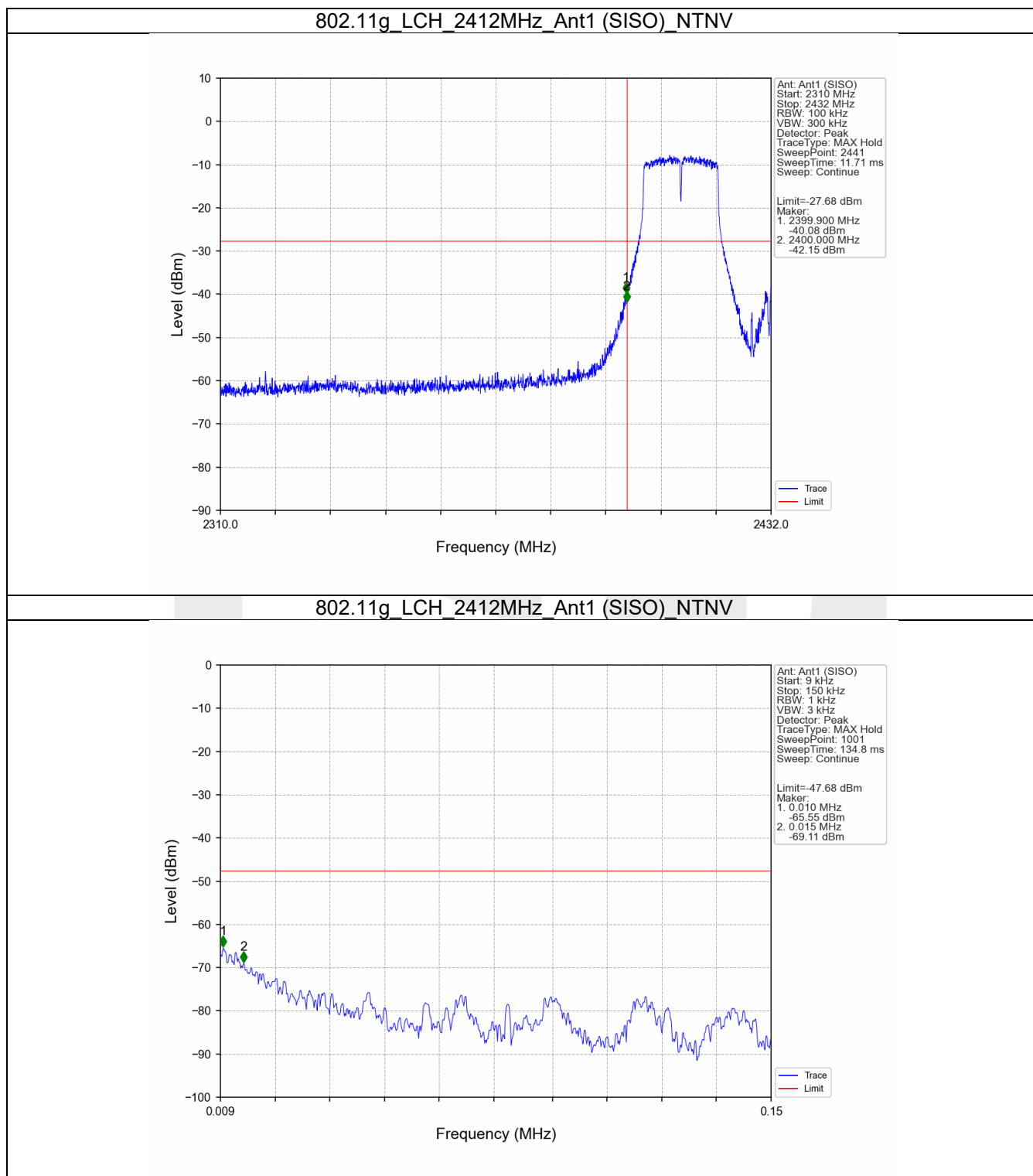


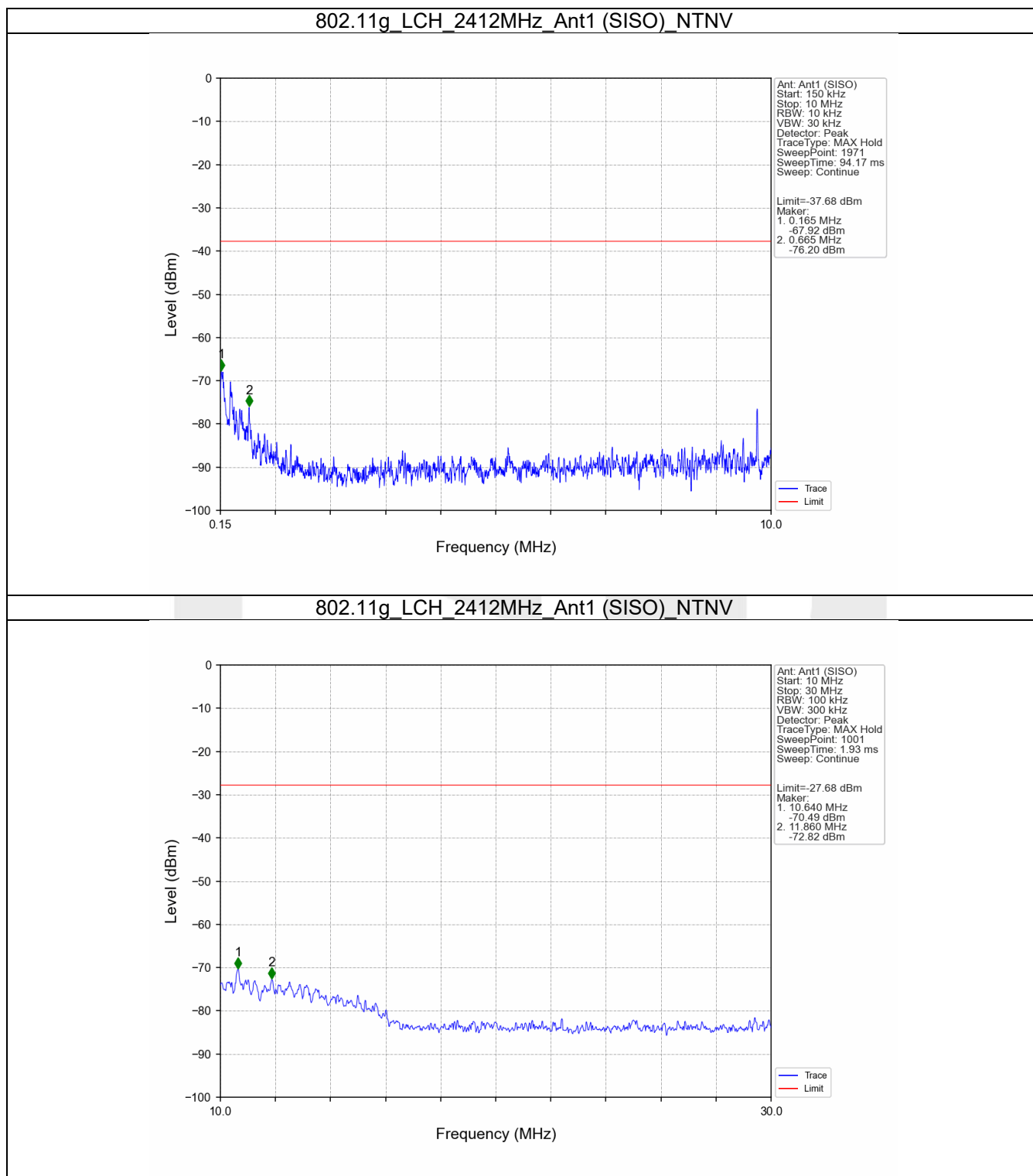


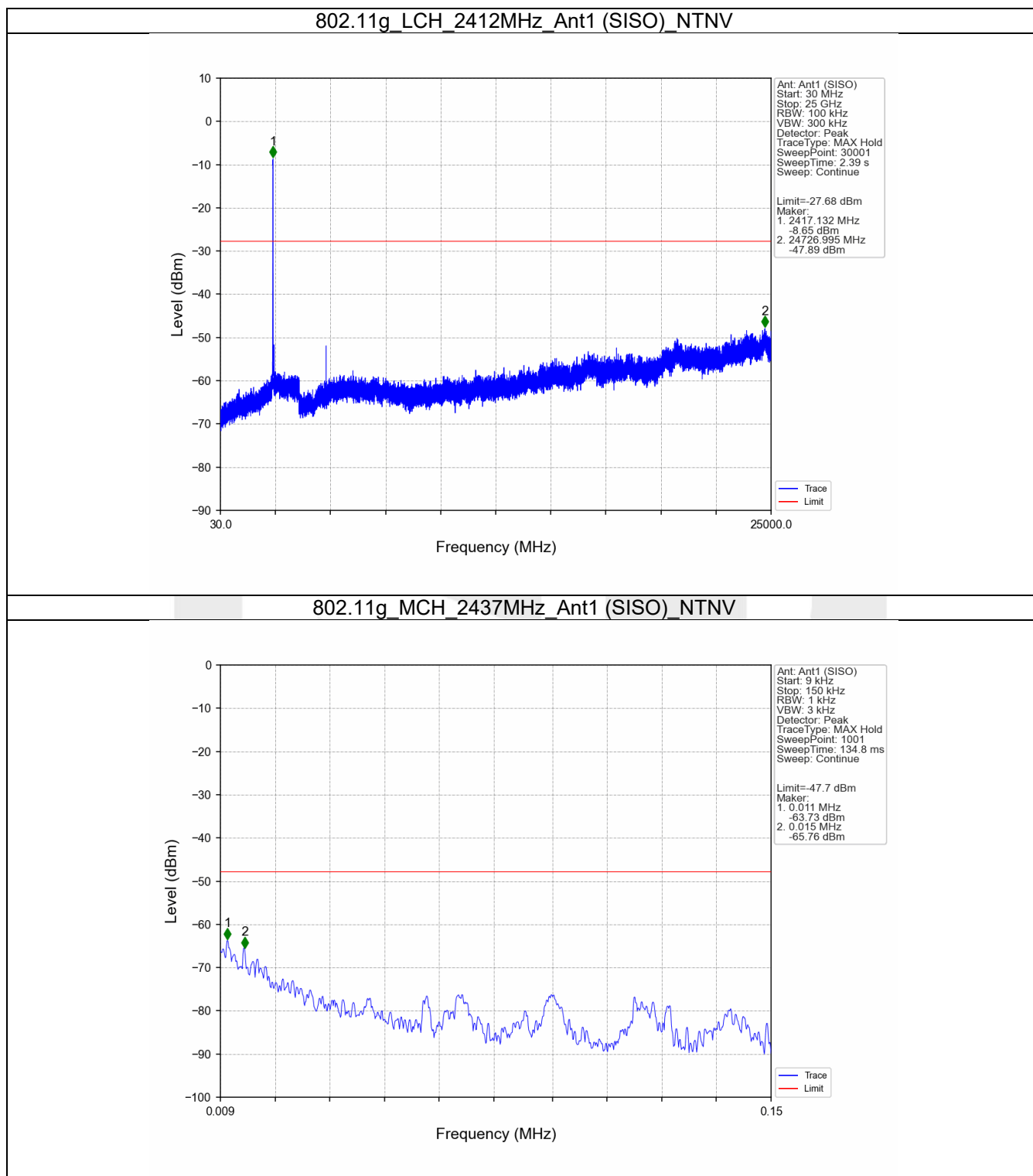


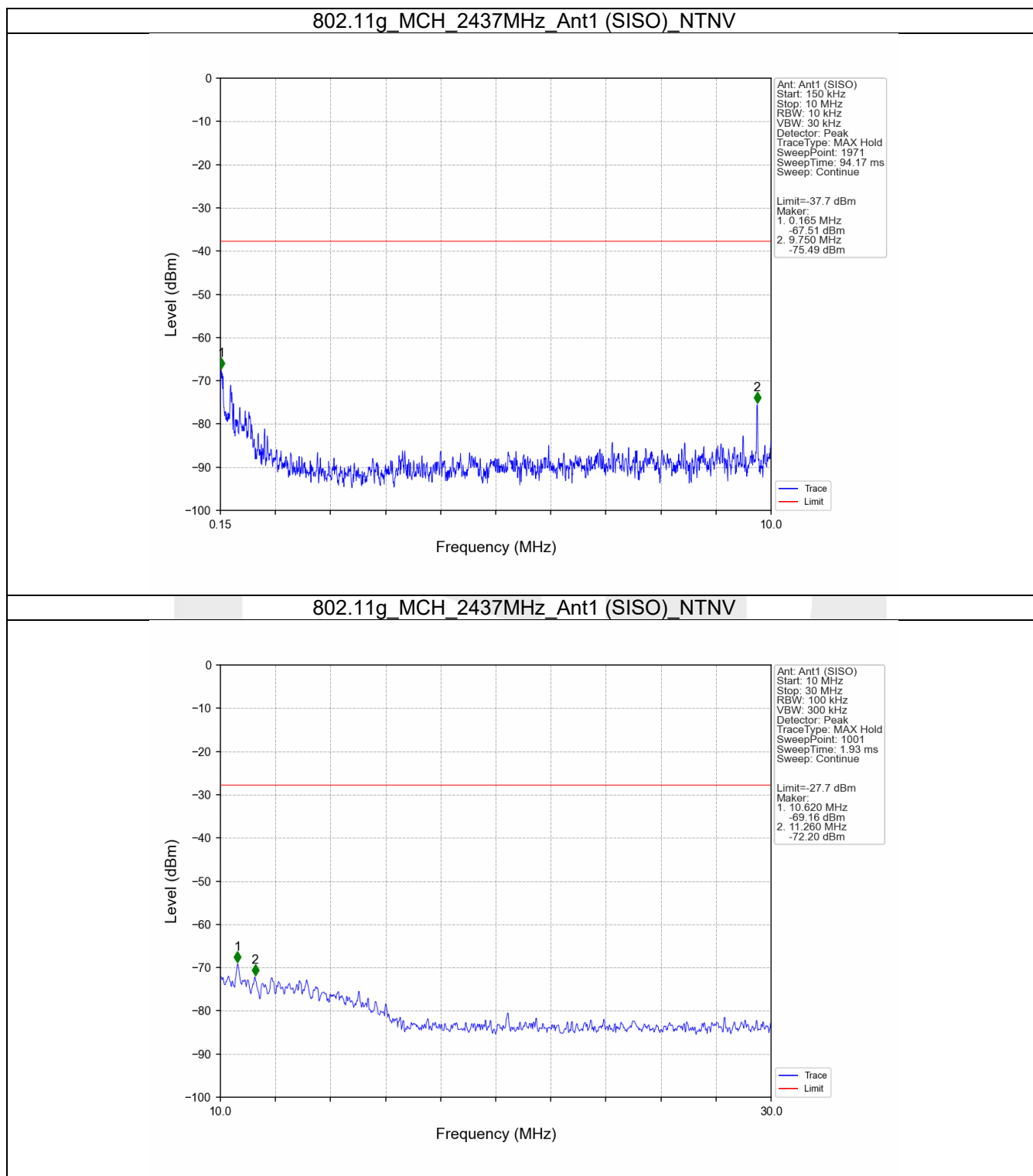


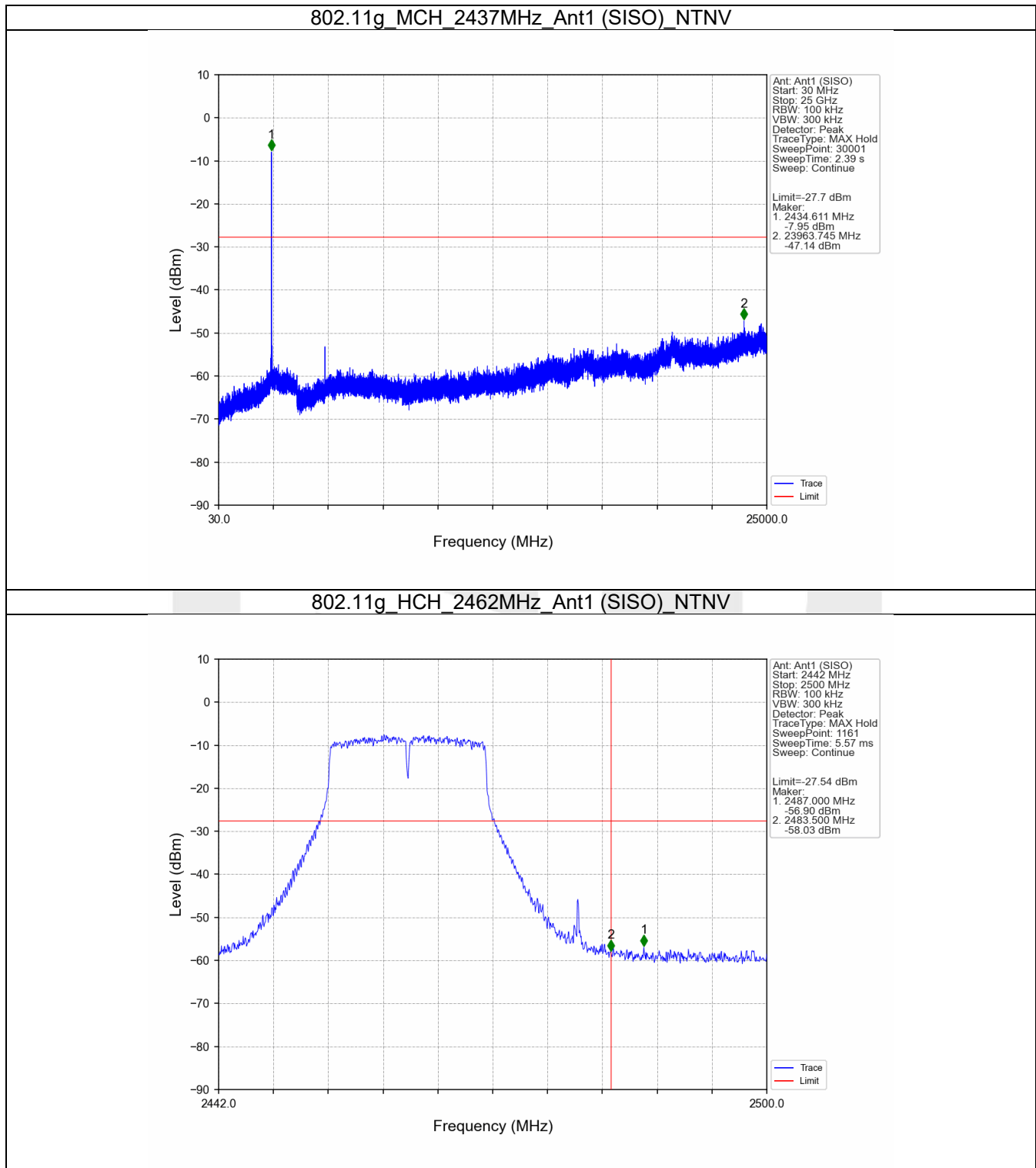


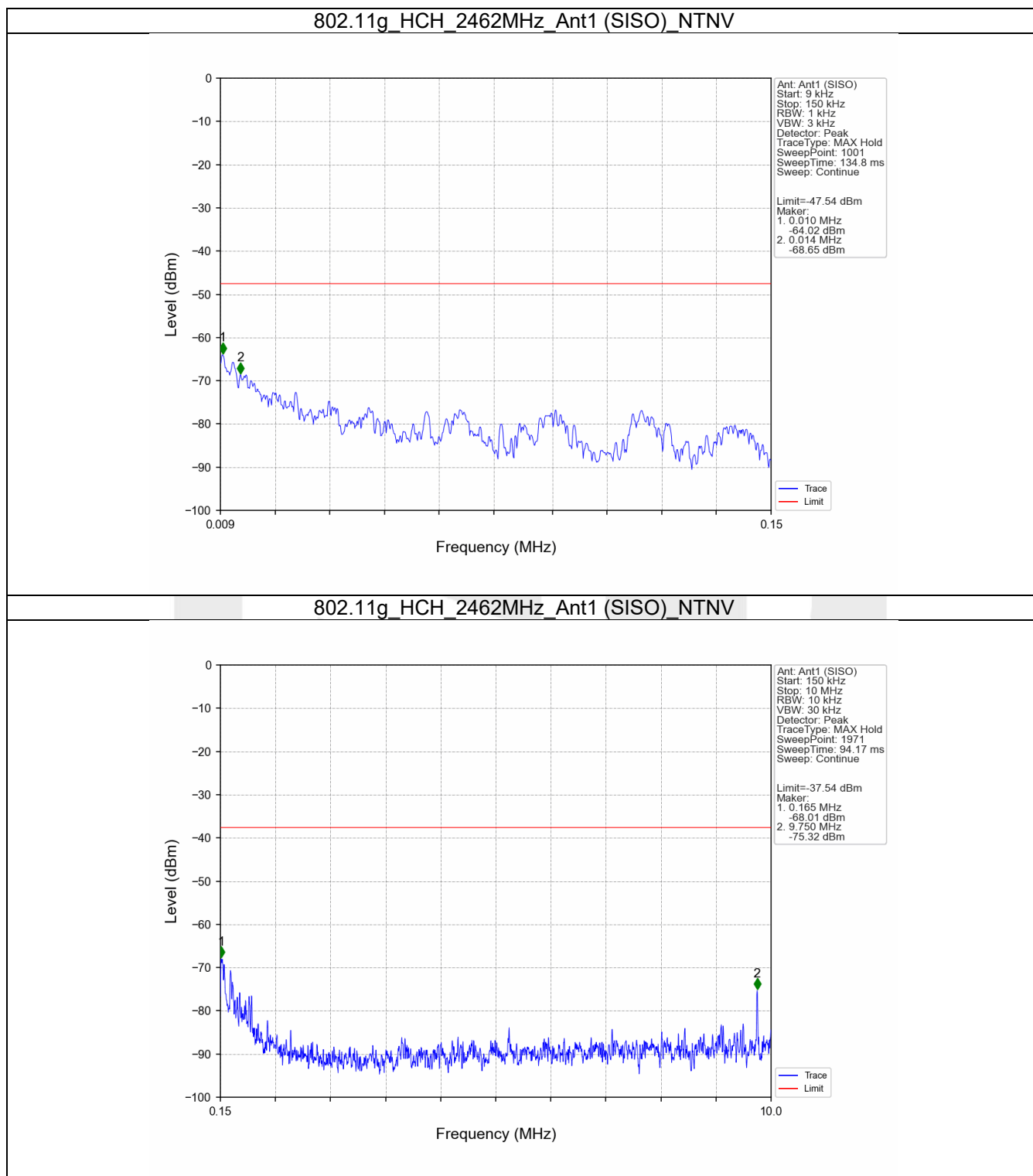


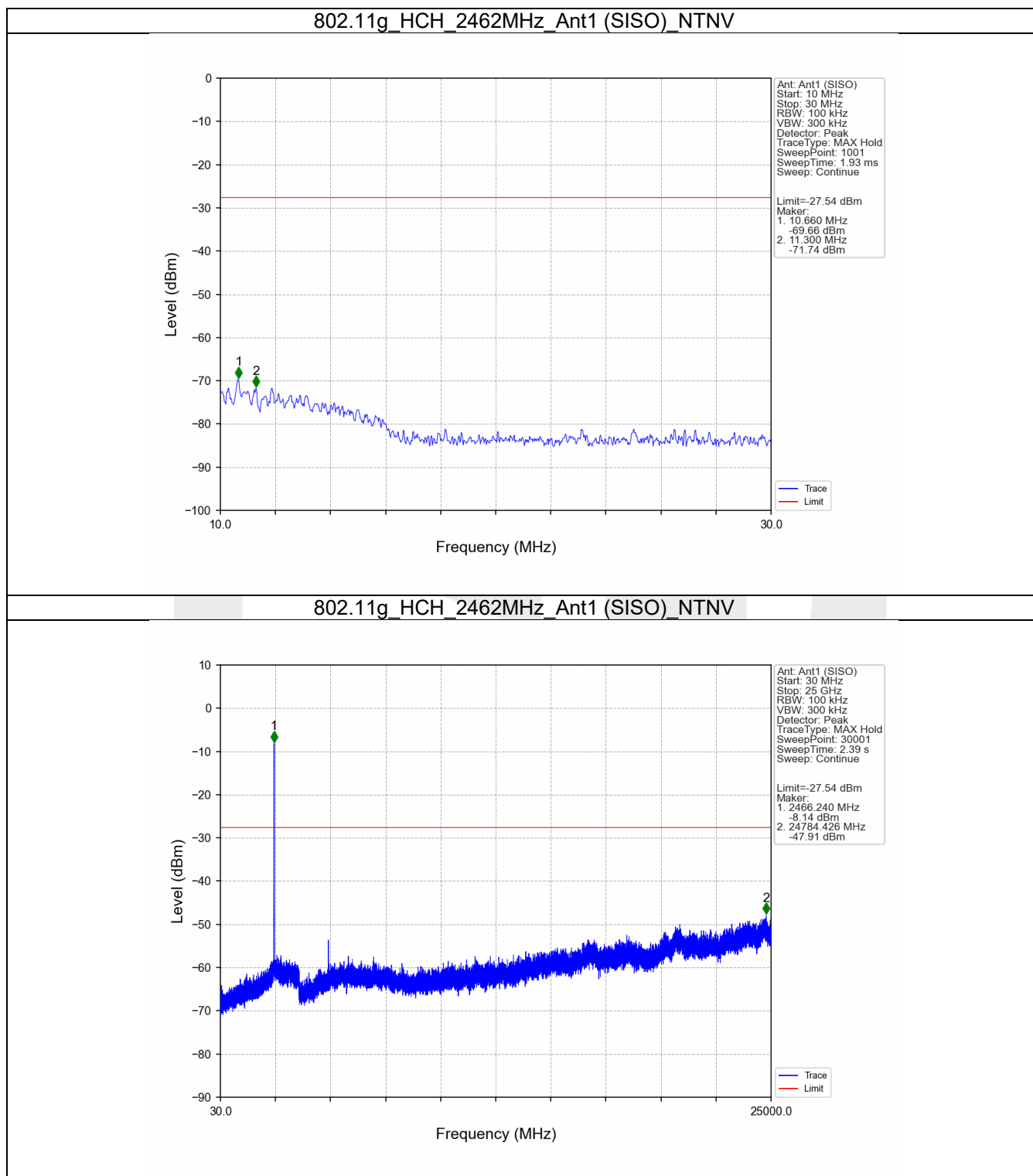


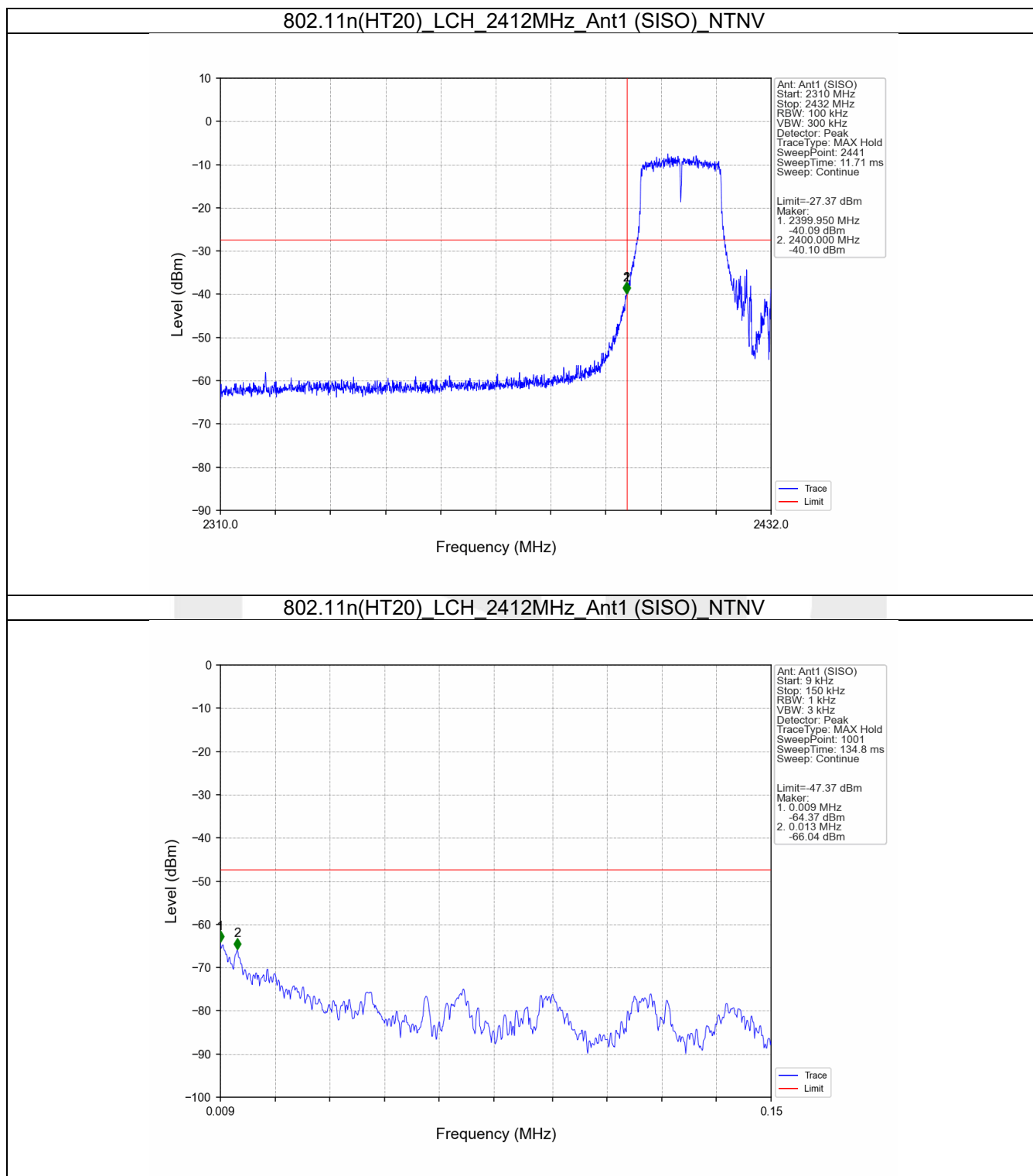


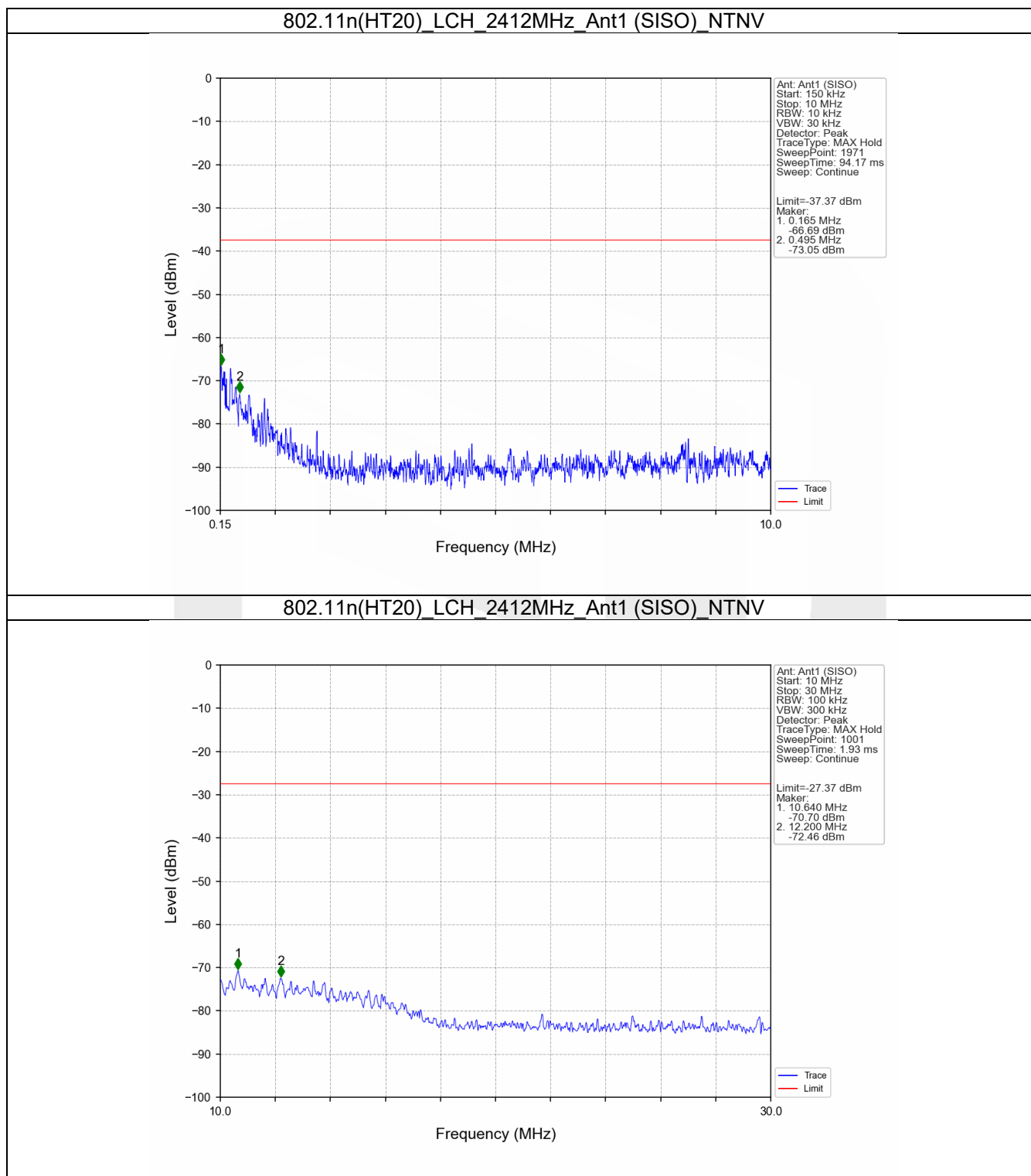


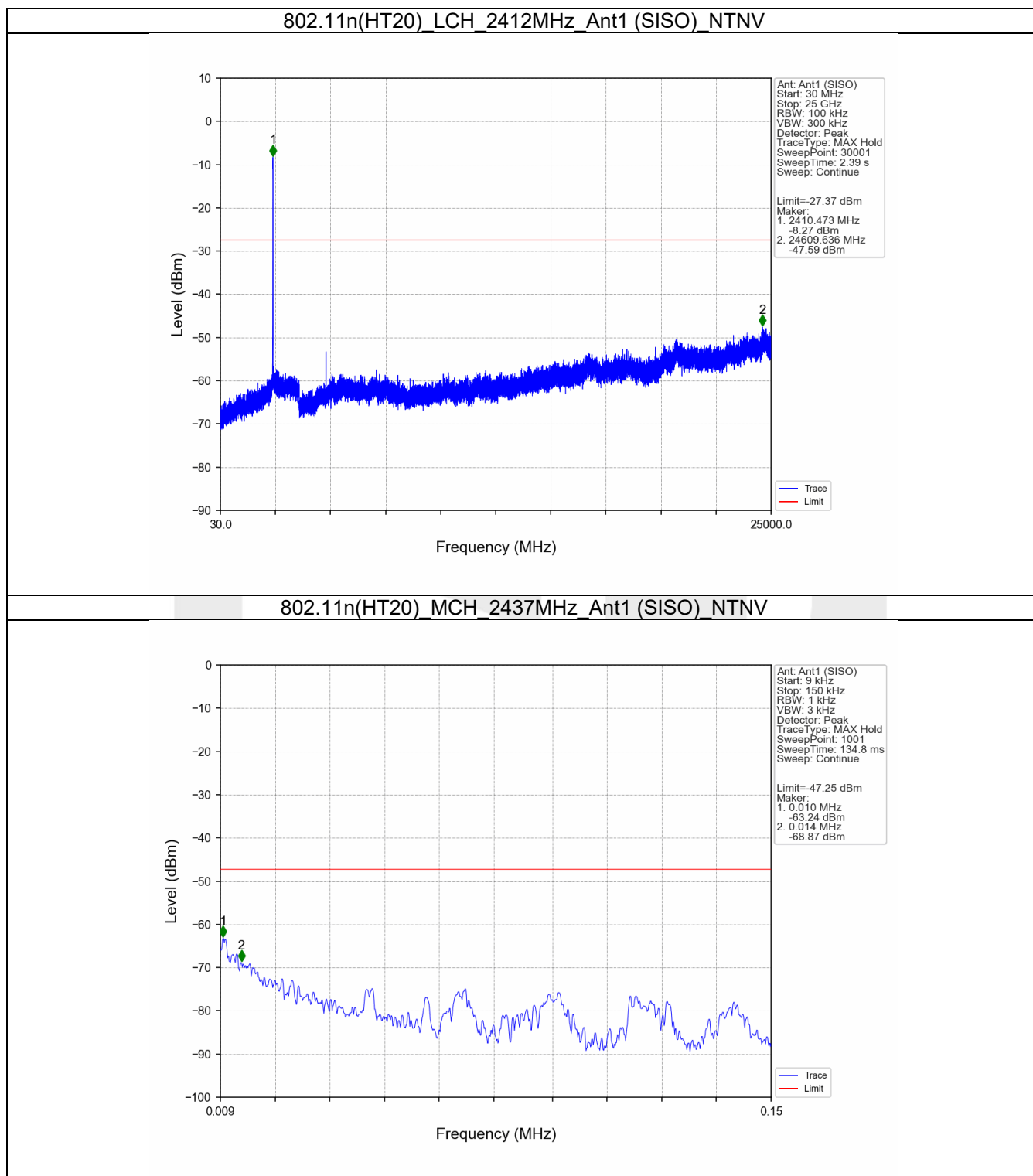


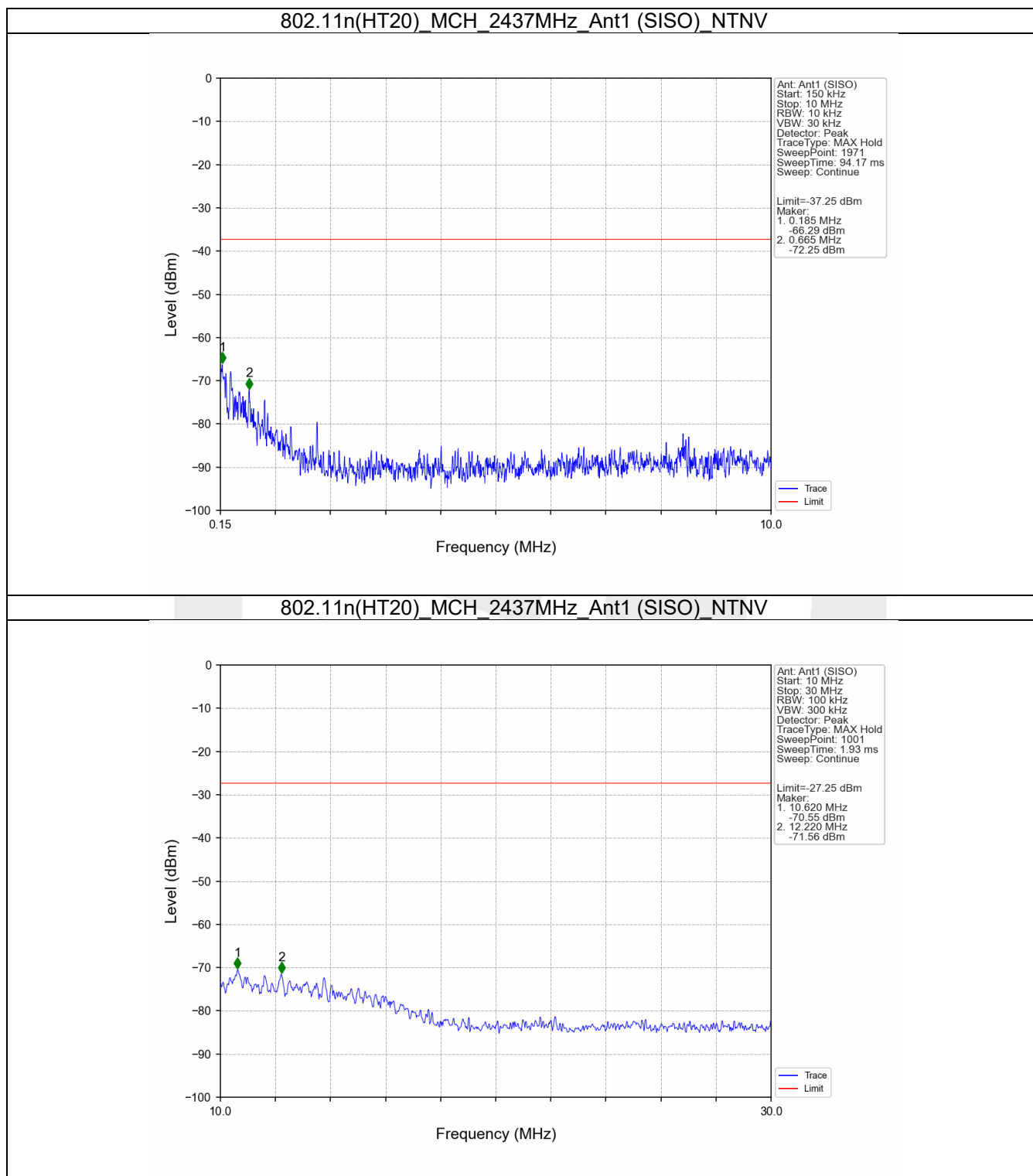


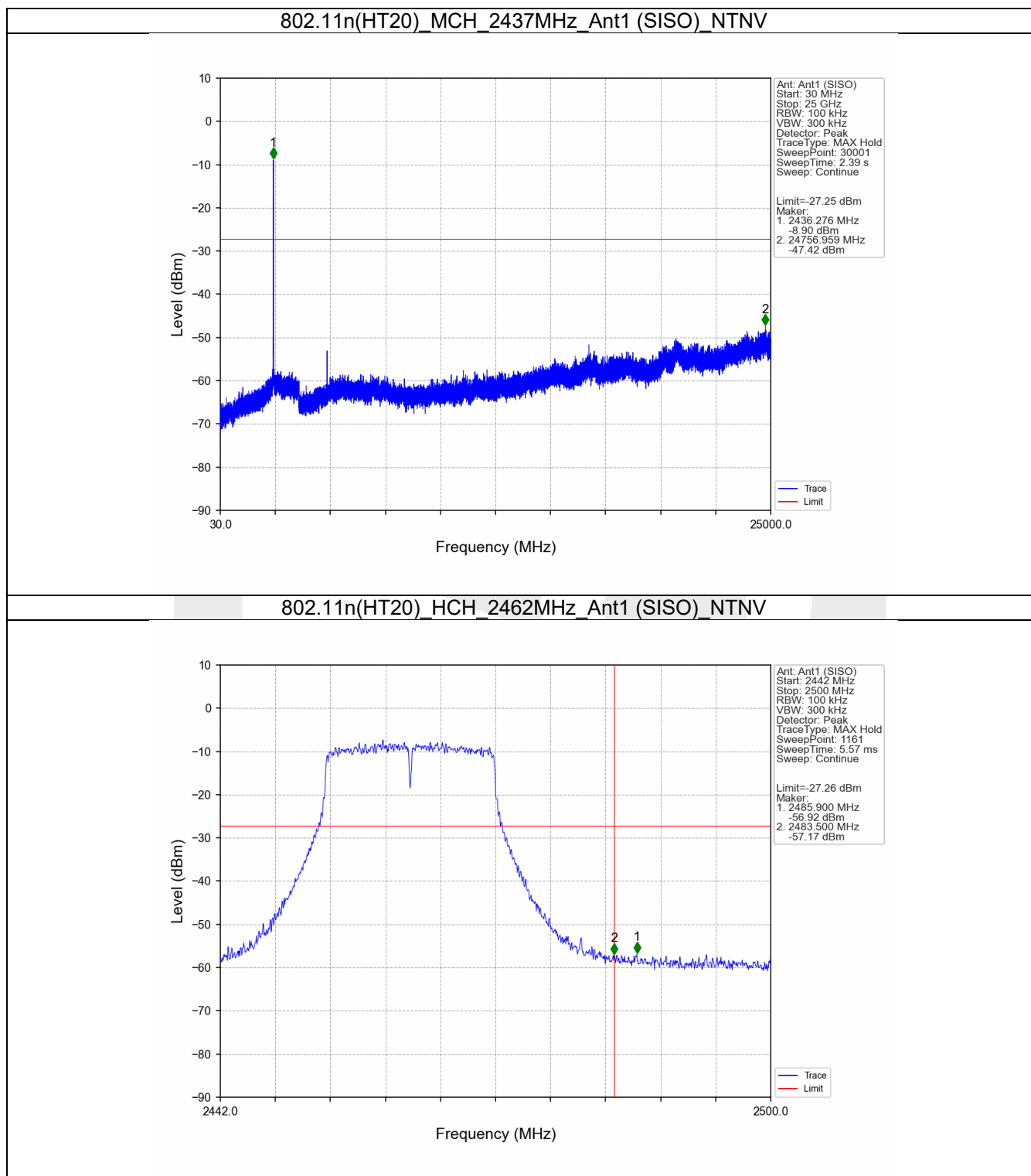


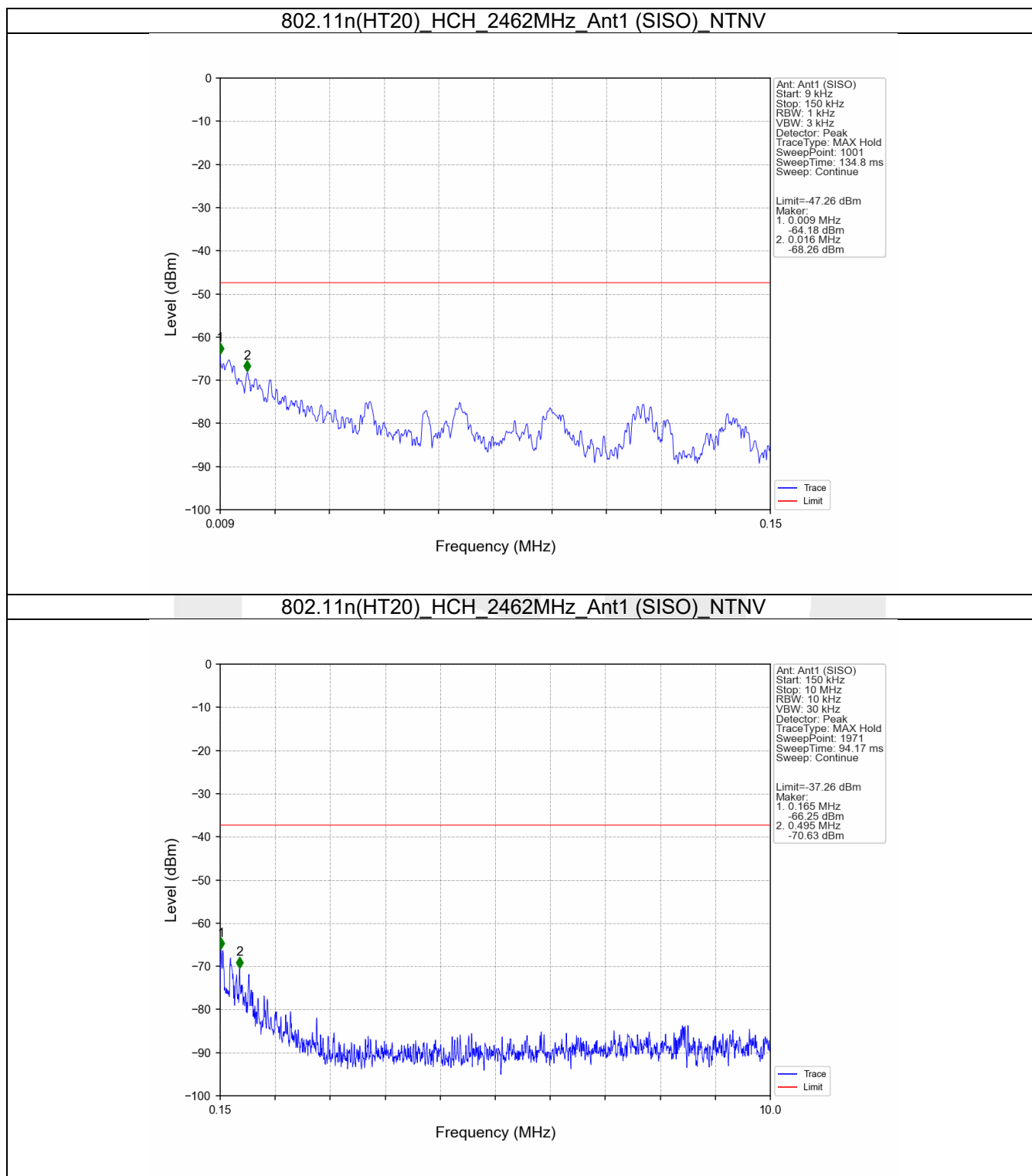


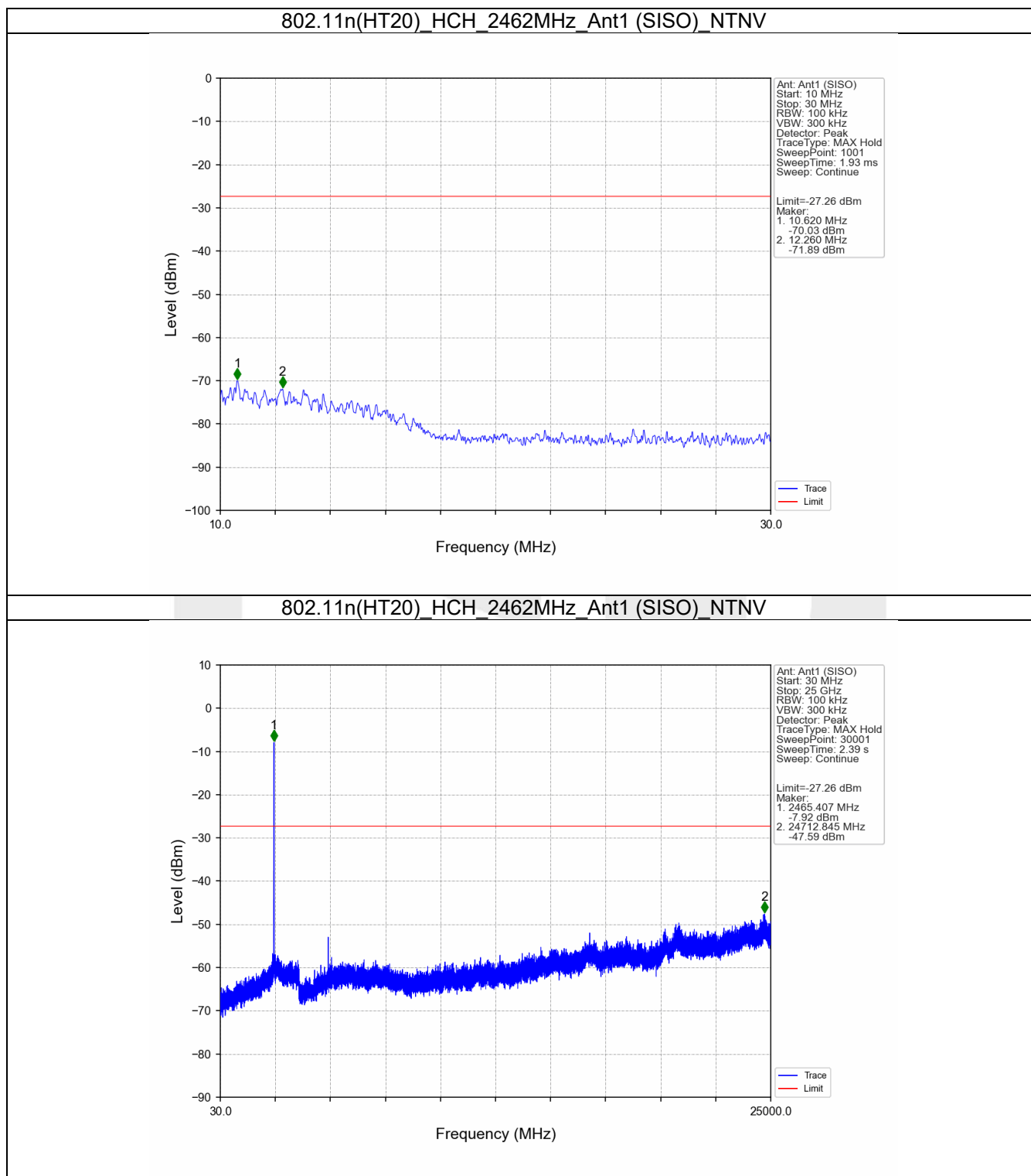












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