

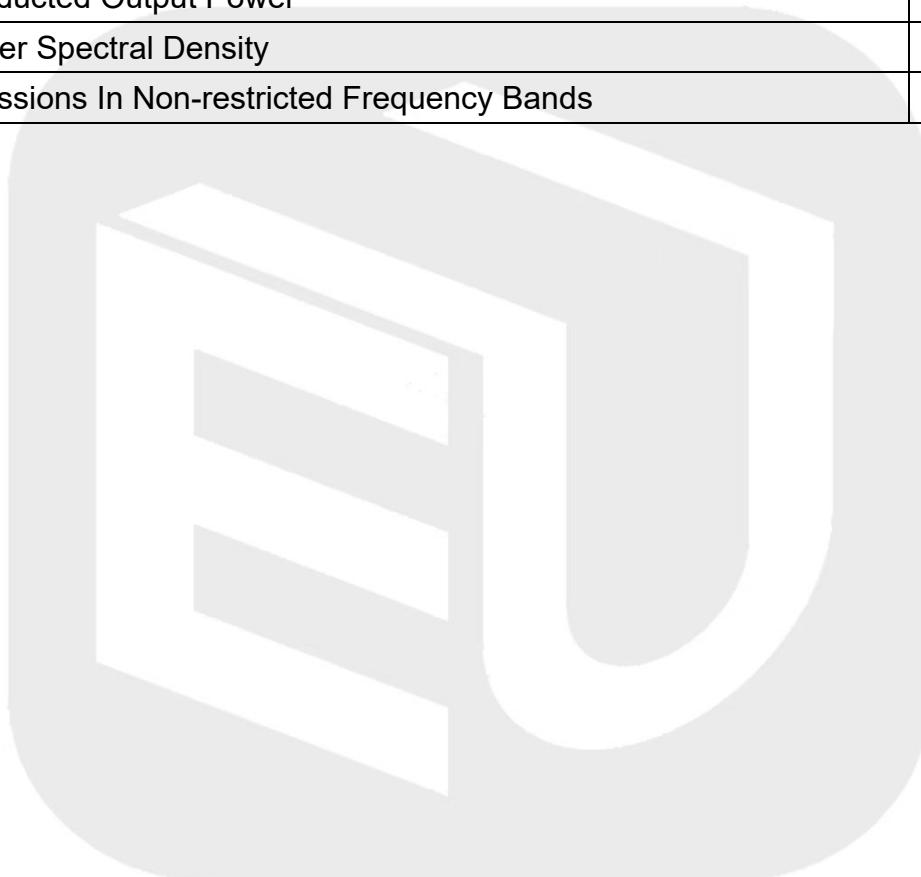
ANNEX F TEST DATA

For

Project No.:	8229EU012703W
Client:	Chengdu Hotack Technology Co., Ltd.
Product Description:	LCD PROJECTOR
Model No.:	L015
FCC ID:	2BFIZ-L015
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-06-21

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



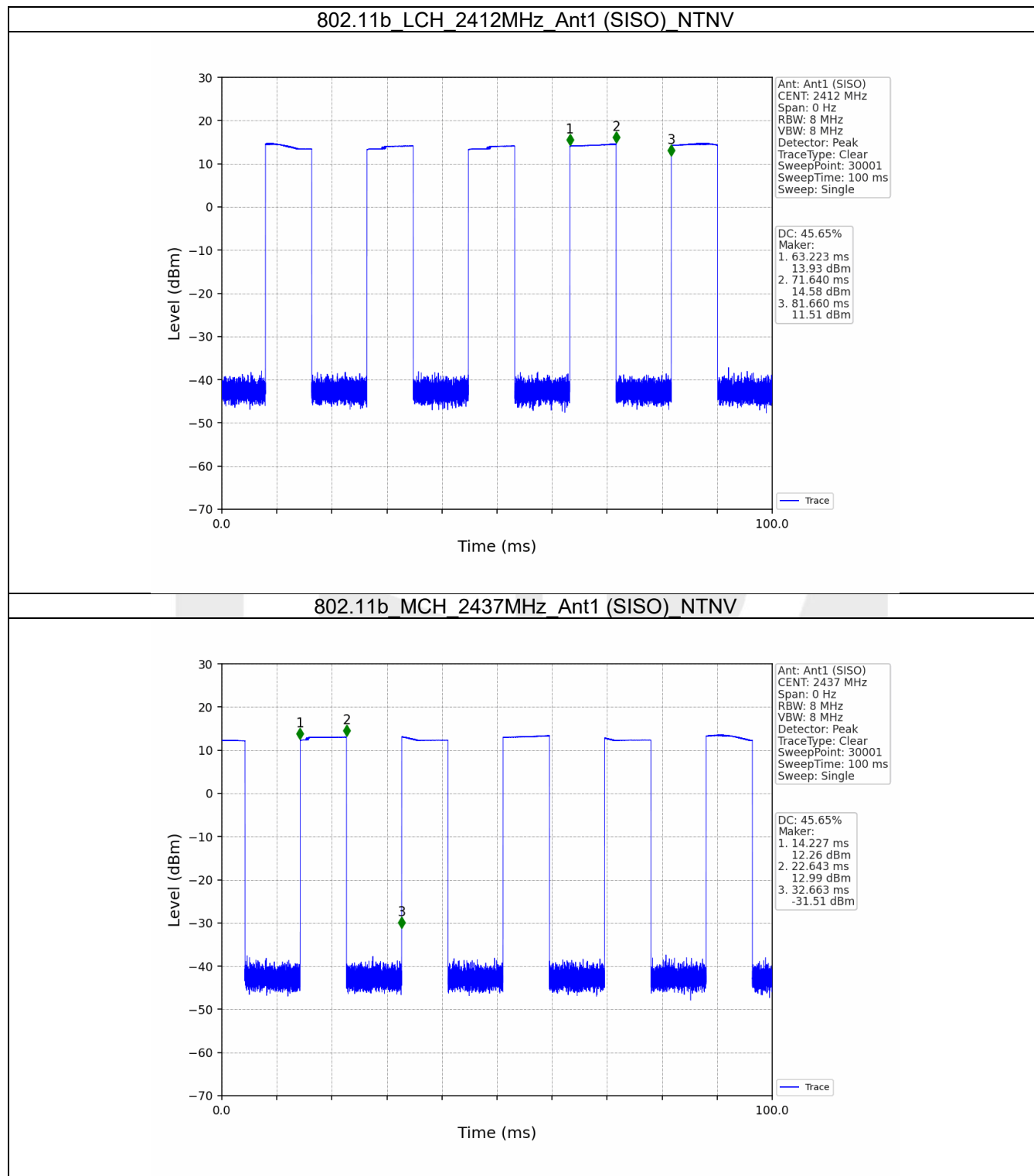
1. Duty Cycle

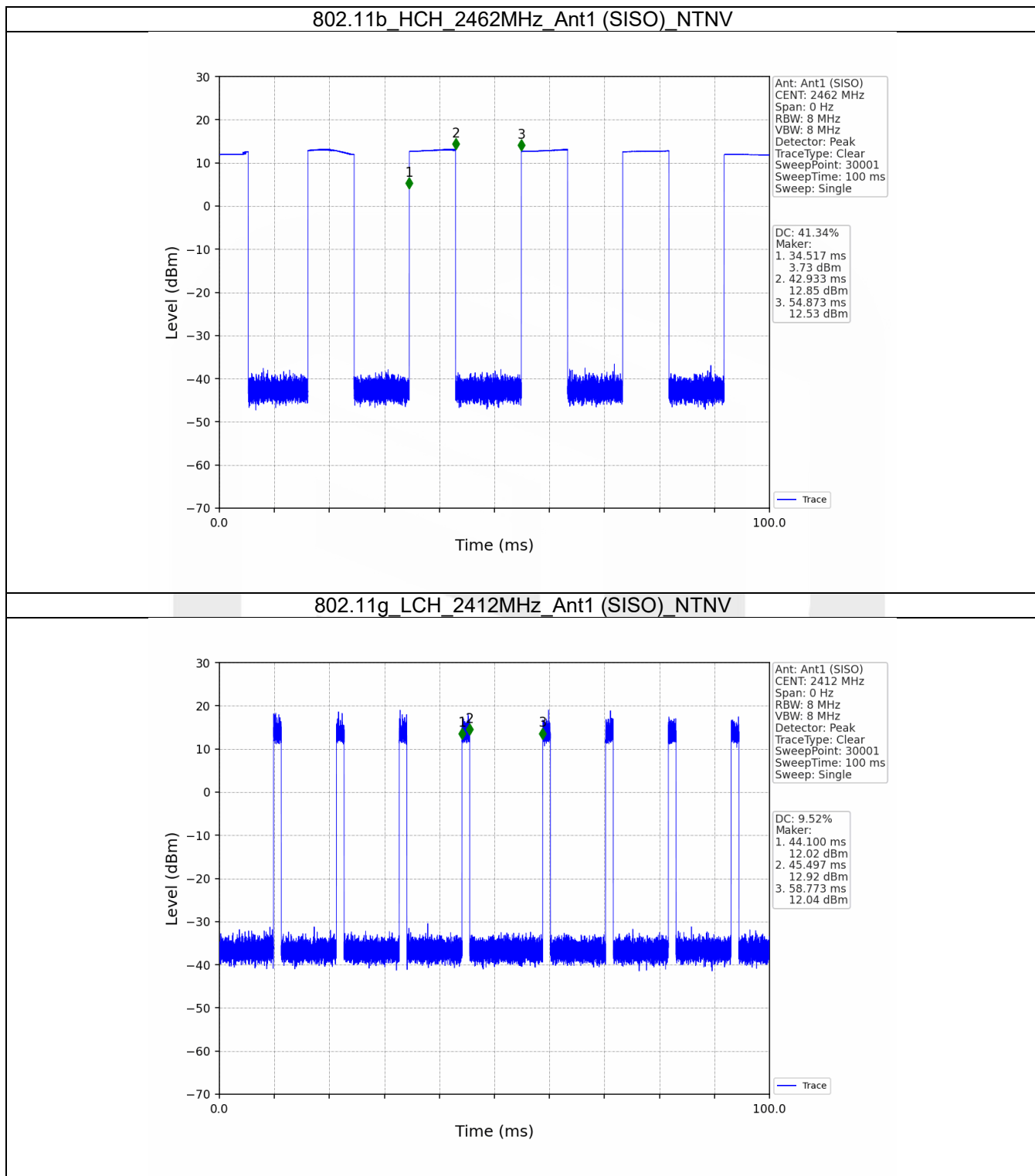
1.1 Ant1

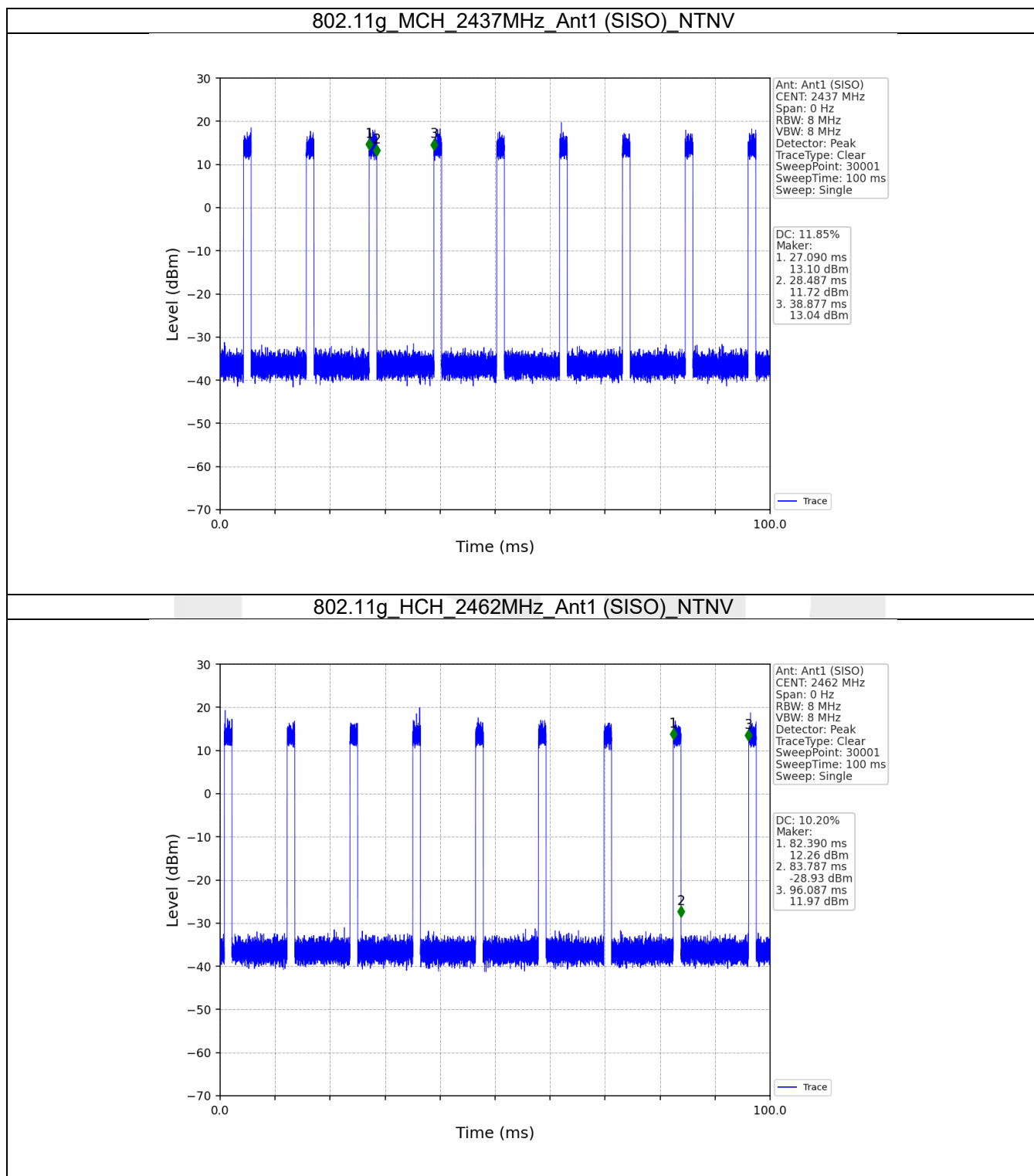
1.1.1 Test Result

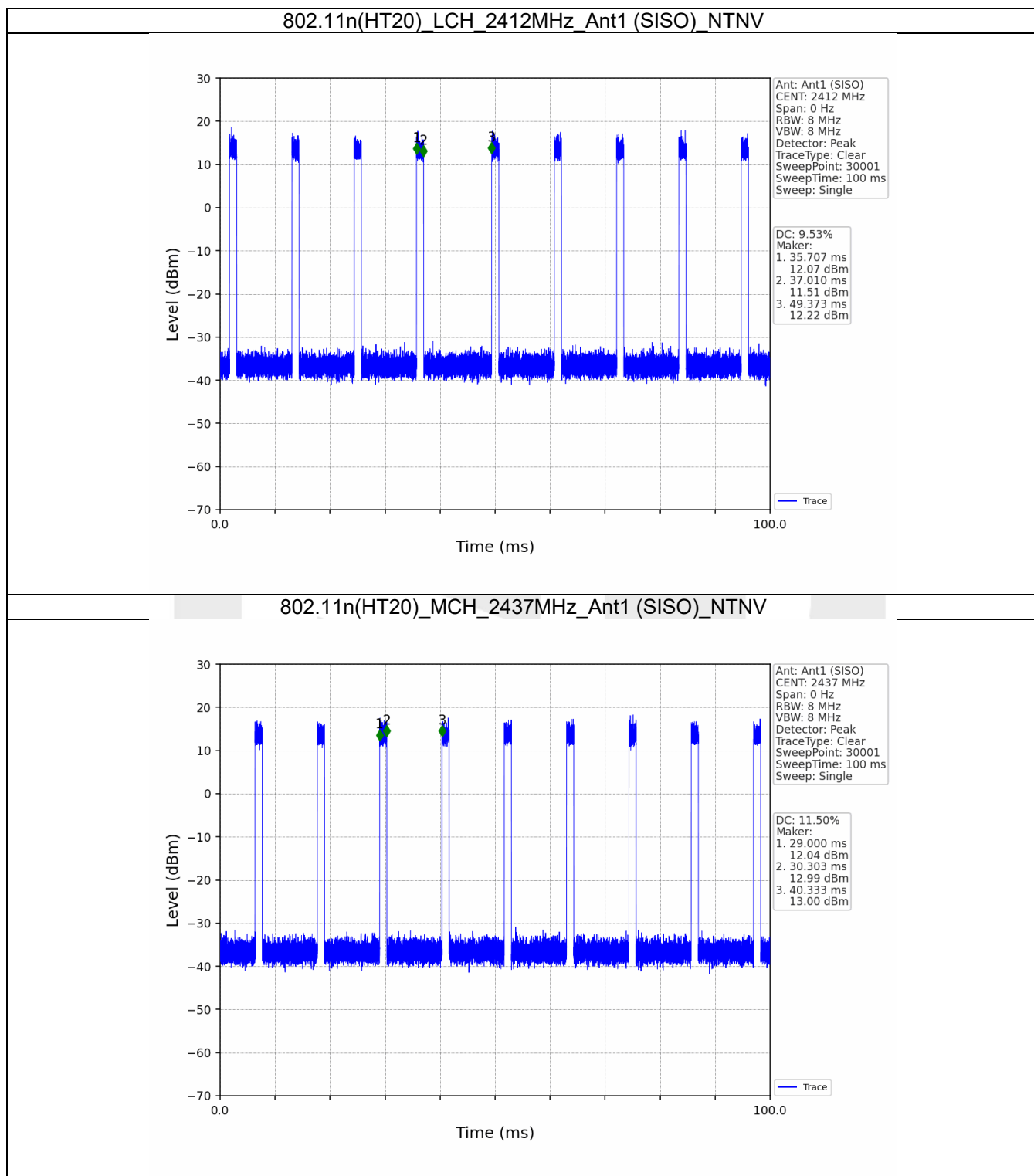
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.417	18.437	45.65	3.41	0.02
		2437	8.416	18.436	45.65	3.41	0.03
		2462	8.416	20.356	41.34	3.84	4.32
802.11g	SISO	2412	1.397	14.673	9.52	10.21	2.75
		2437	1.397	11.787	11.85	9.26	0.41
		2462	1.397	13.697	10.20	9.91	2.04
802.11n (HT20)	SISO	2412	1.303	13.666	9.53	10.21	2.00
		2437	1.303	11.333	11.50	9.39	0.04
		2462	1.304	11.954	10.91	9.62	0.63
802.11n (HT40)	SISO	2422	0.647	12.300	5.26	12.79	0.84
		2437	0.646	10.676	6.05	12.18	0.03
		2452	0.646	10.673	6.05	12.18	0.03

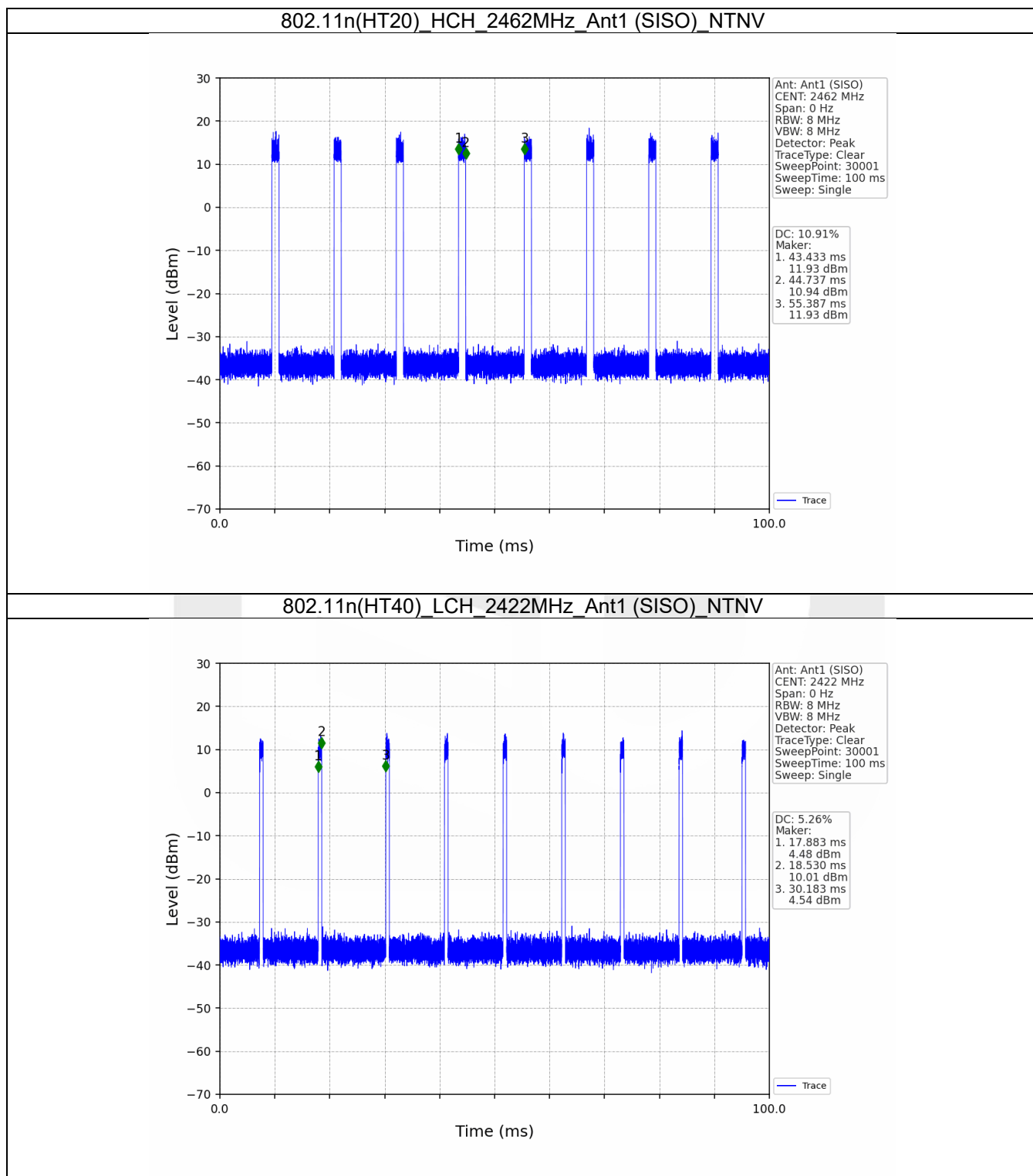
1.1.2 Test Graph

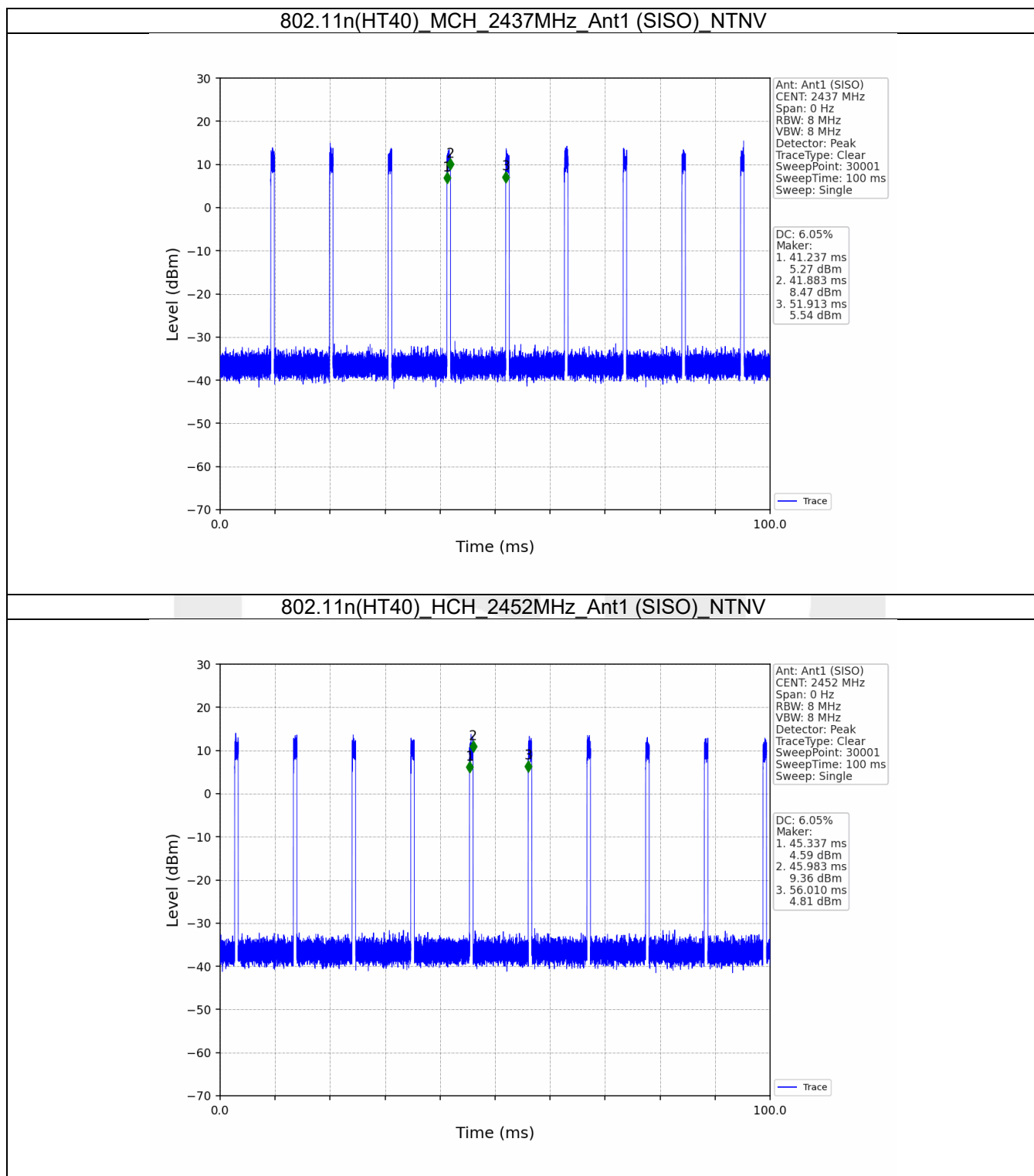












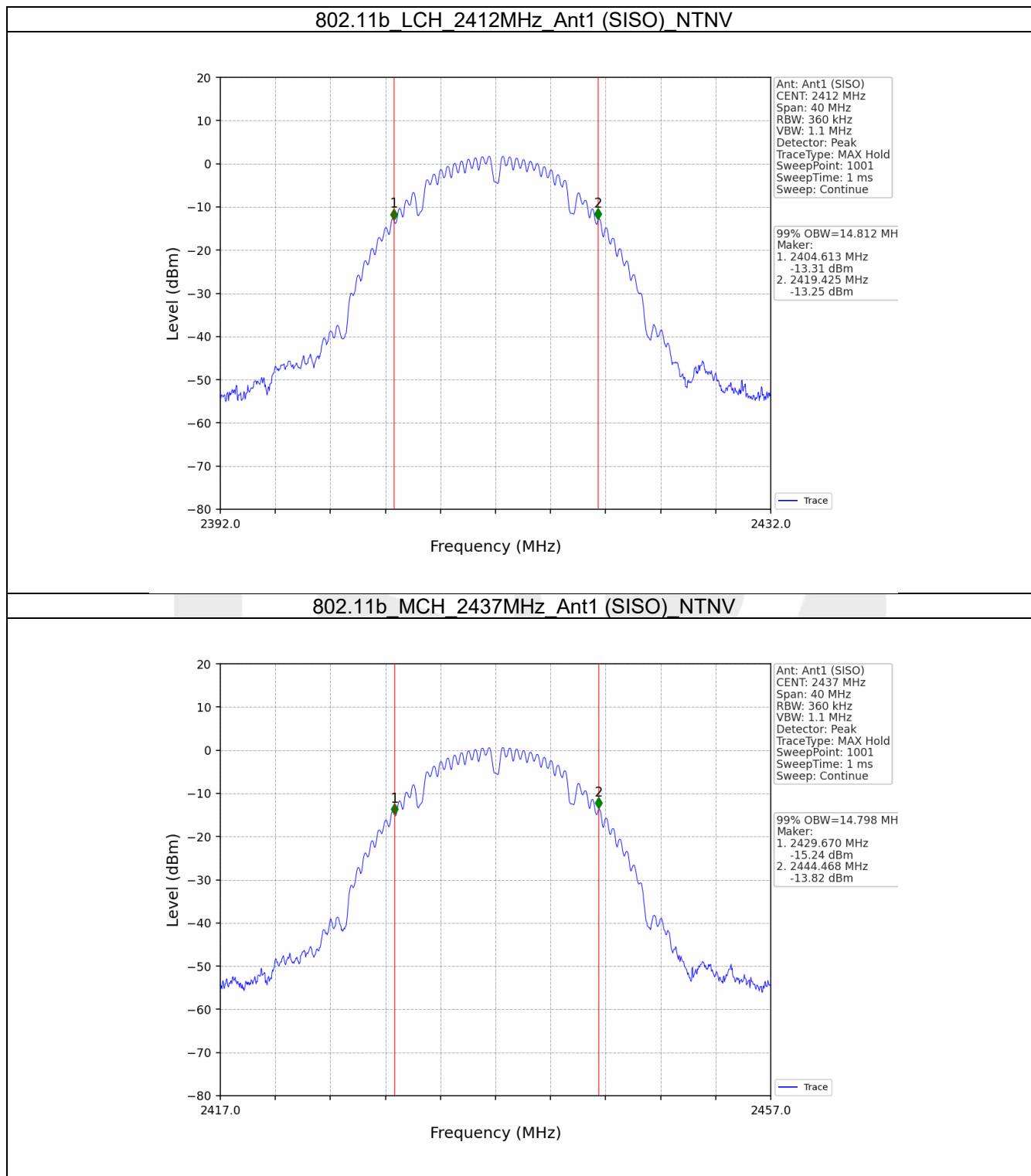
2. Bandwidth

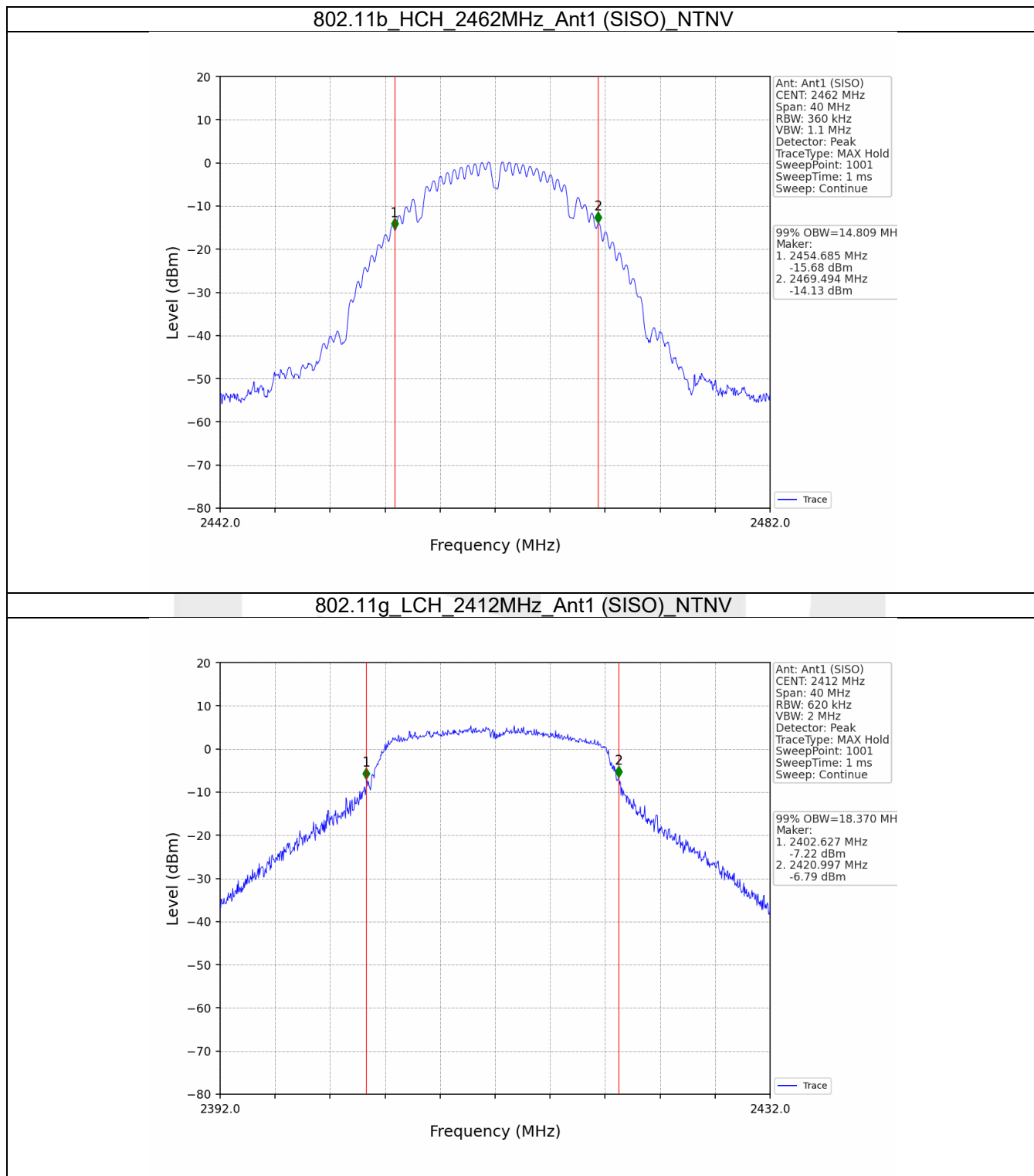
2.1 OBW

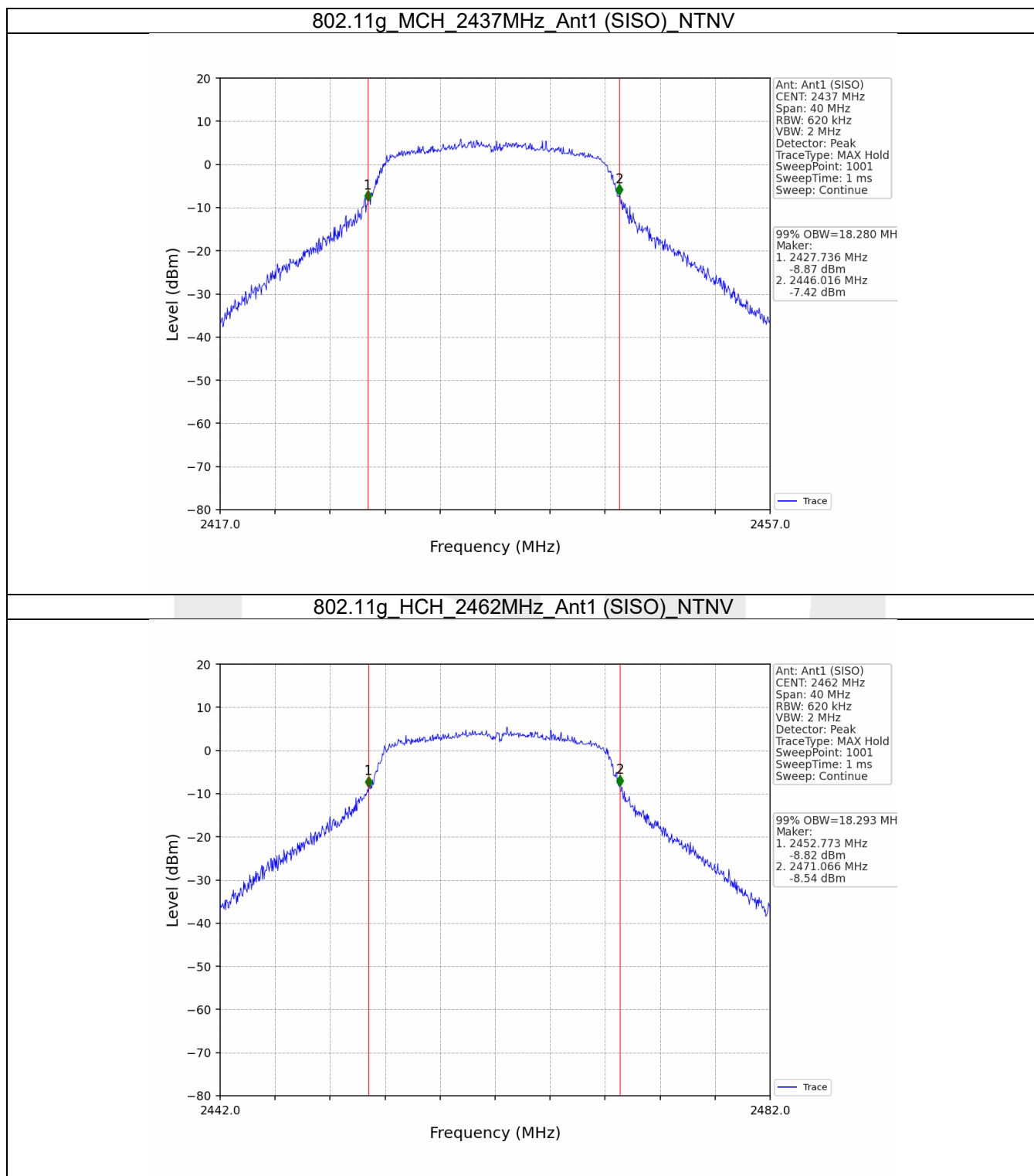
2.1.1 Test Result

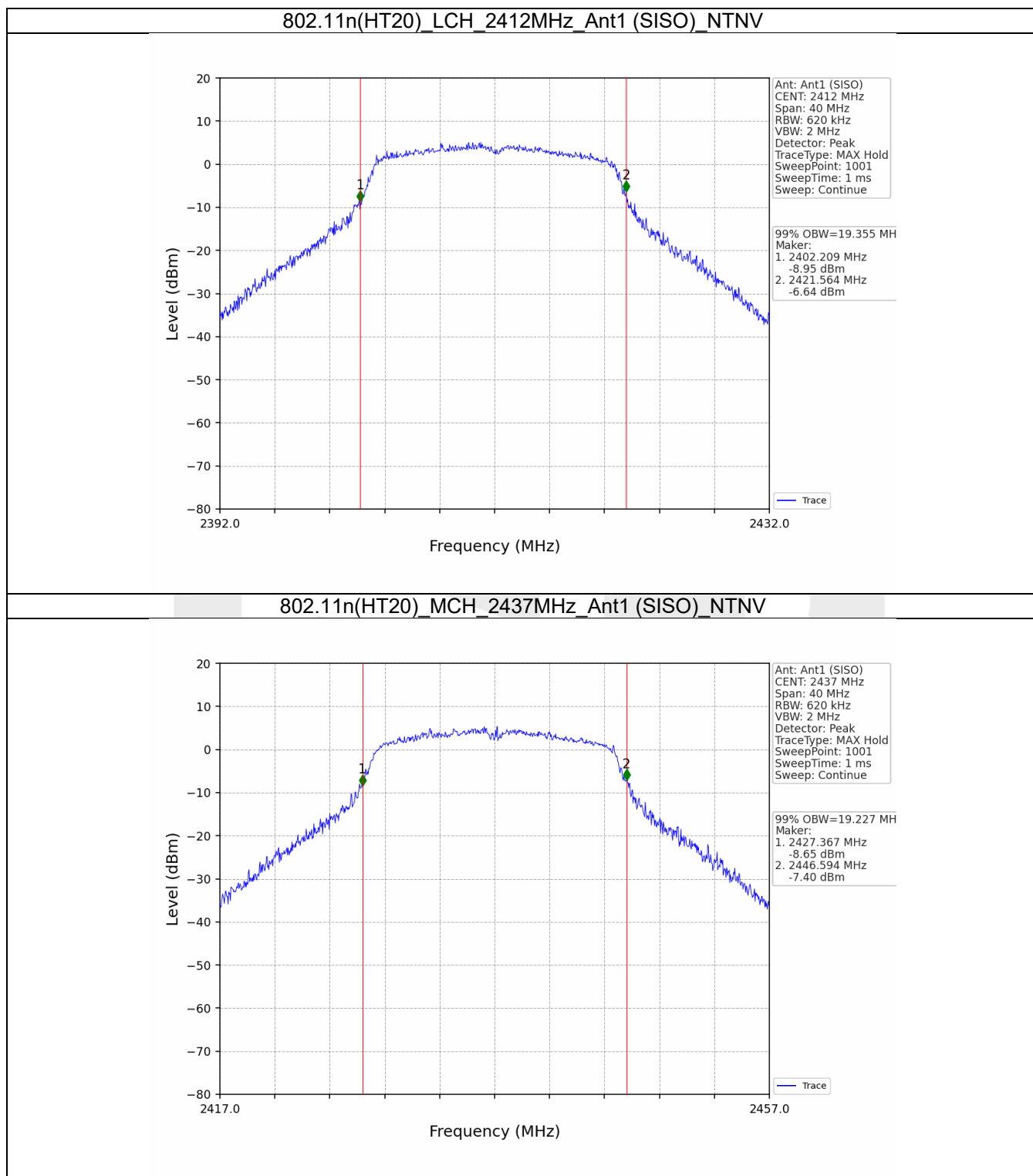
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.812	/	Pass
		2437	1	14.798	/	Pass
		2462	1	14.809	/	Pass
802.11g	SISO	2412	1	18.370	/	Pass
		2437	1	18.280	/	Pass
		2462	1	18.293	/	Pass
802.11n (HT20)	SISO	2412	1	19.355	/	Pass
		2437	1	19.227	/	Pass
		2462	1	19.201	/	Pass
802.11n (HT40)	SISO	2422	1	37.319	/	Pass
		2437	1	37.422	/	Pass
		2452	1	37.330	/	Pass

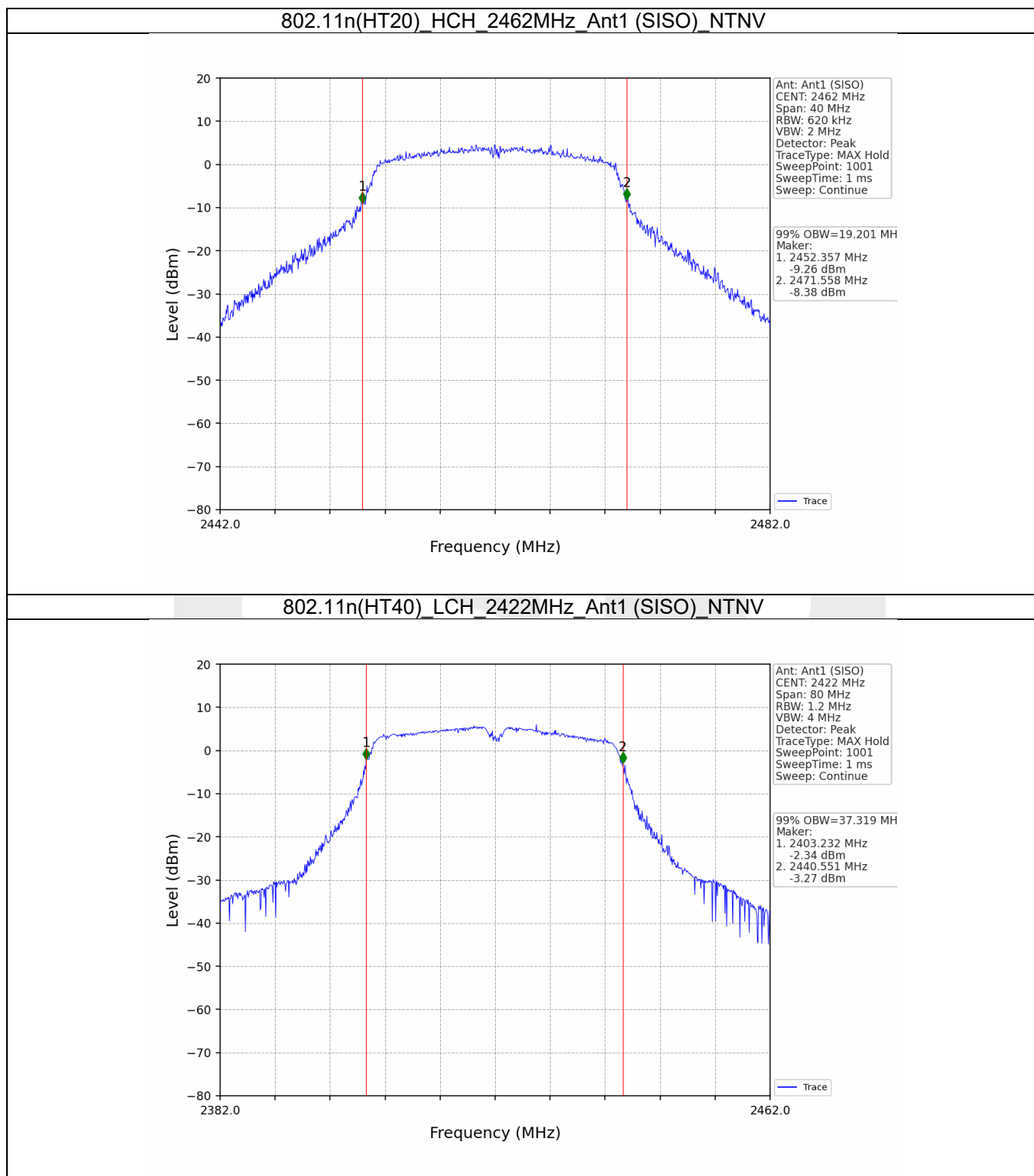
2.1.2 Test Graph

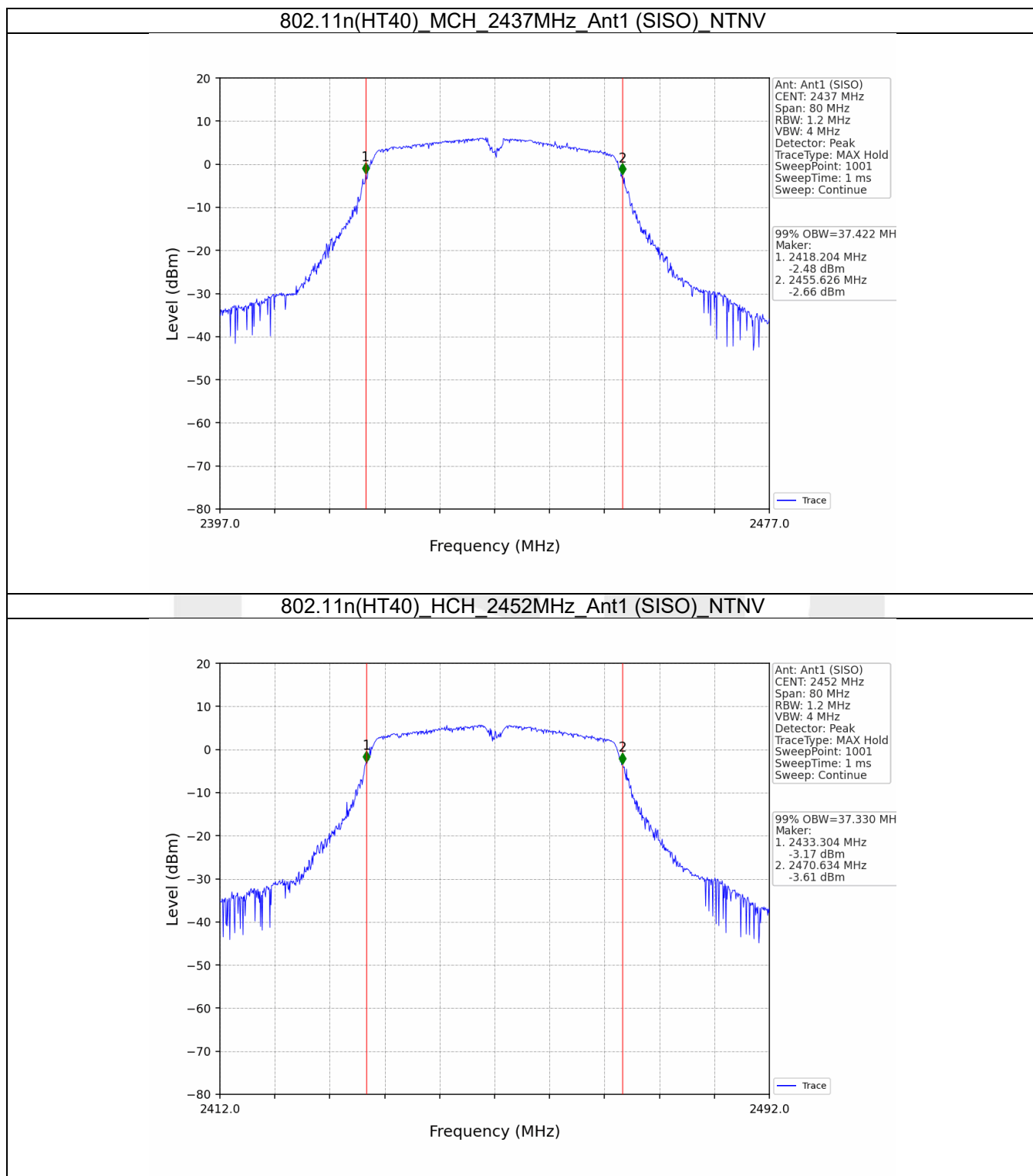










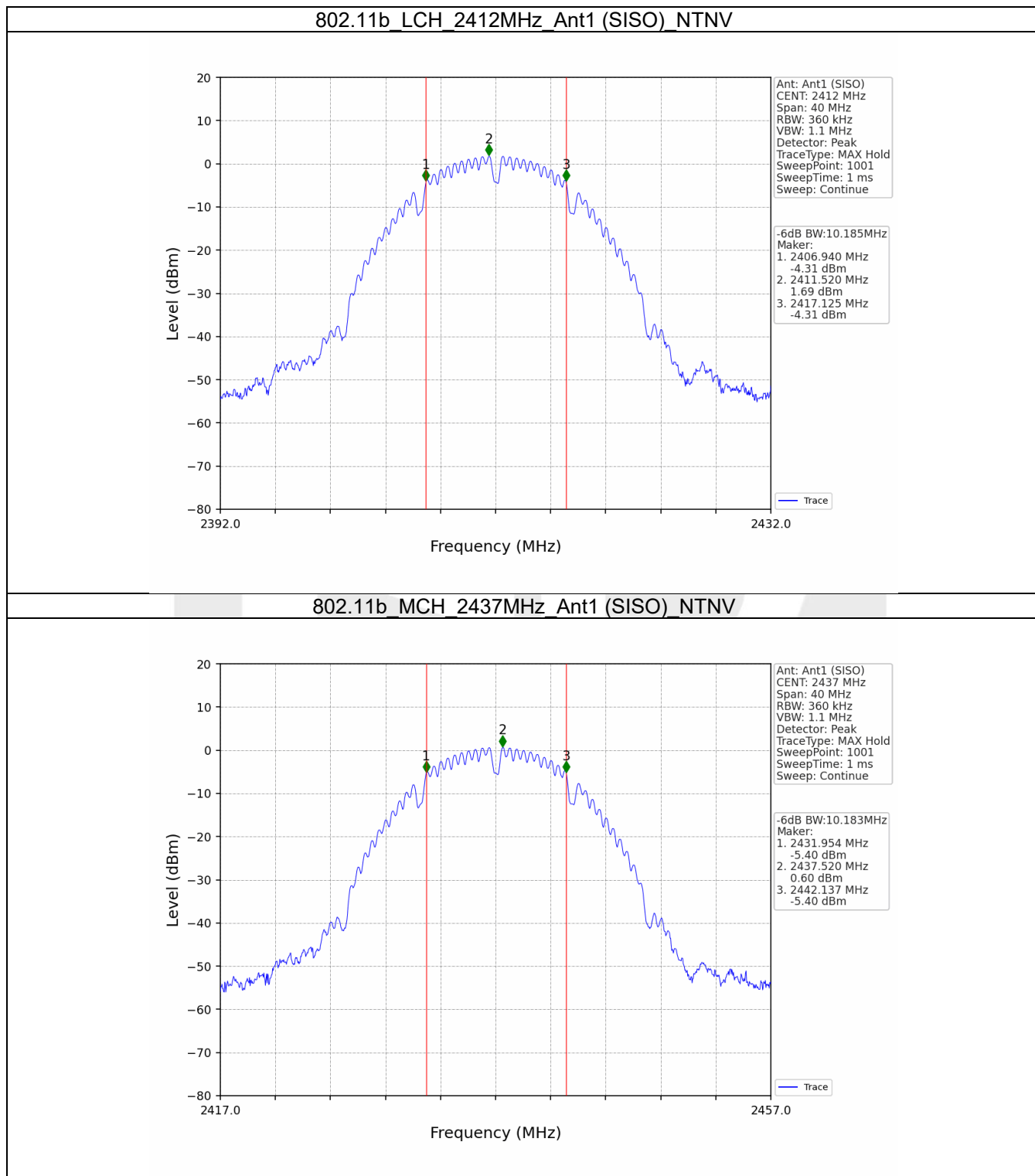


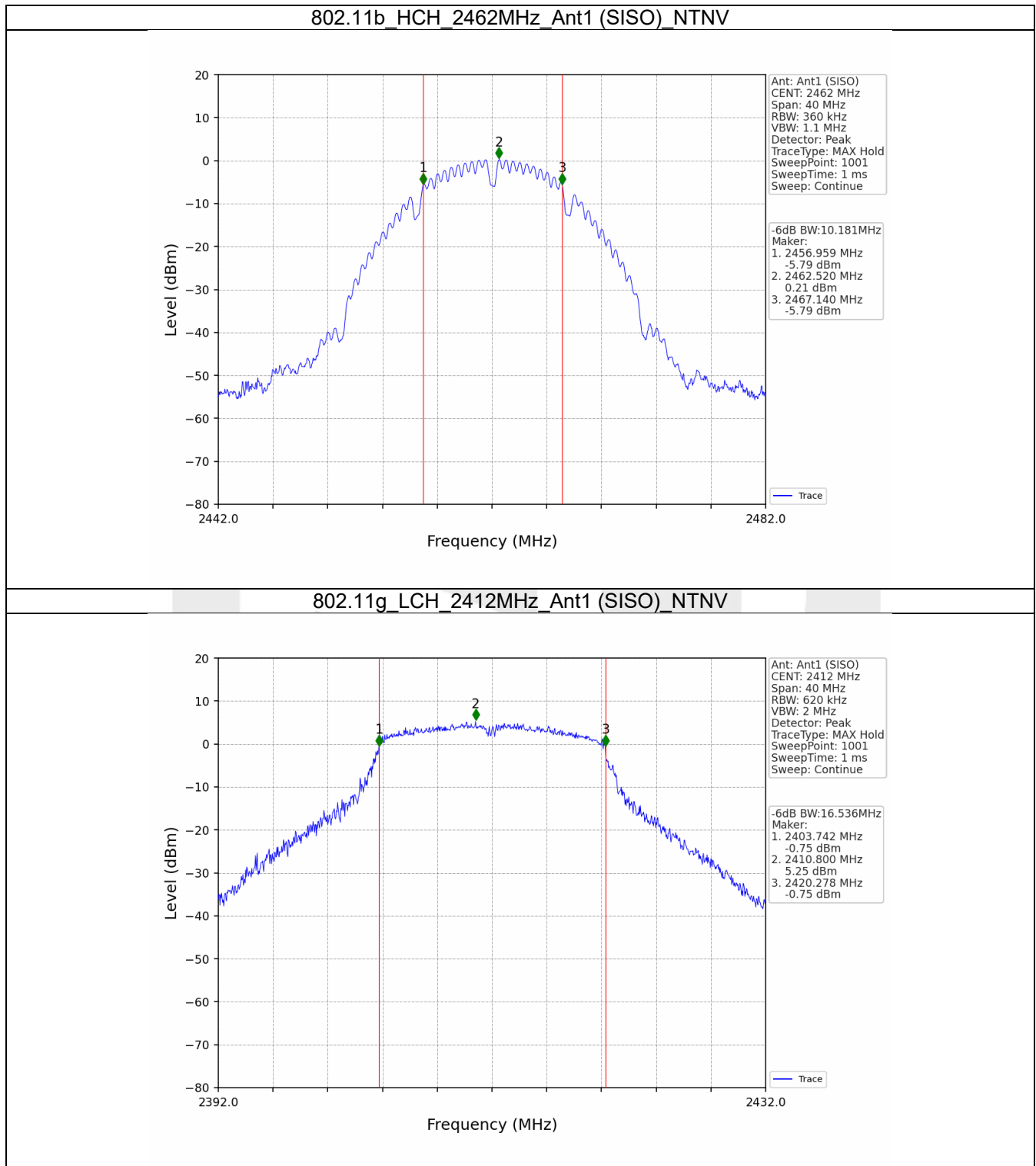
2.2 6dB BW

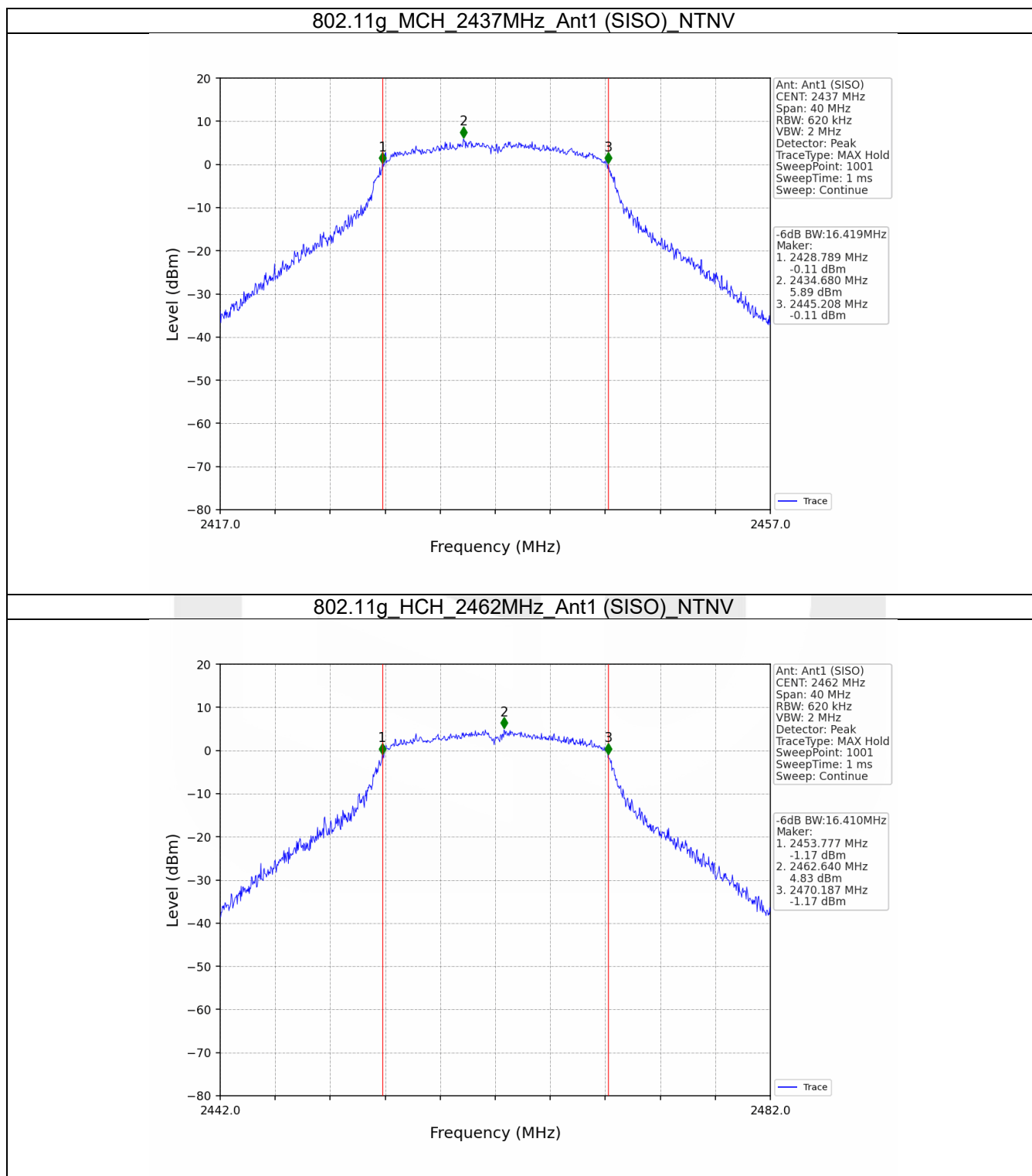
2.2.1 Test Result

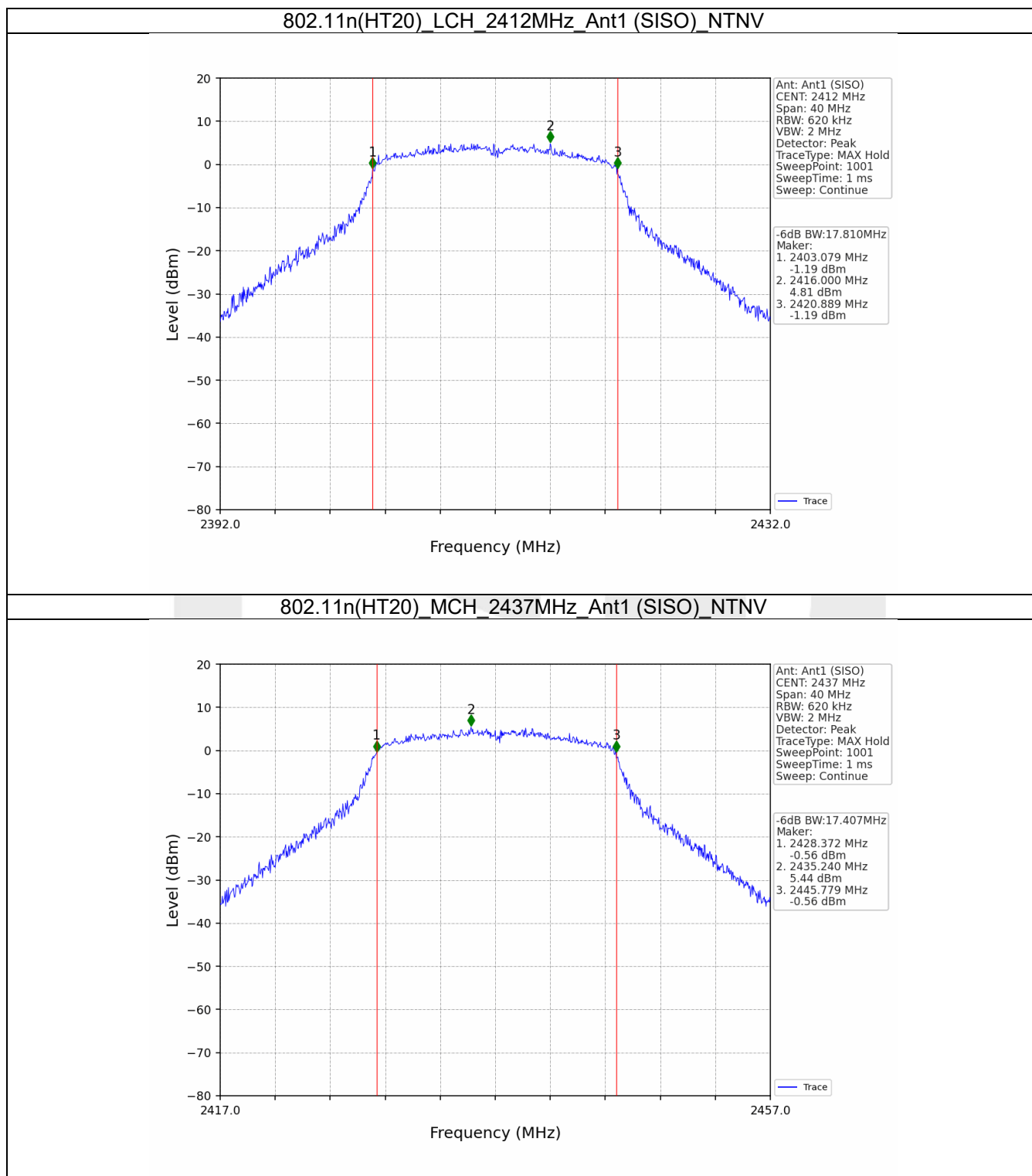
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.185	≥ 0.5	Pass
		2437	1	10.183	≥ 0.5	Pass
		2462	1	10.181	≥ 0.5	Pass
802.11g	SISO	2412	1	16.536	≥ 0.5	Pass
		2437	1	16.419	≥ 0.5	Pass
		2462	1	16.410	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.810	≥ 0.5	Pass
		2437	1	17.407	≥ 0.5	Pass
		2462	1	17.303	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.910	≥ 0.5	Pass
		2437	1	35.996	≥ 0.5	Pass
		2452	1	35.968	≥ 0.5	Pass

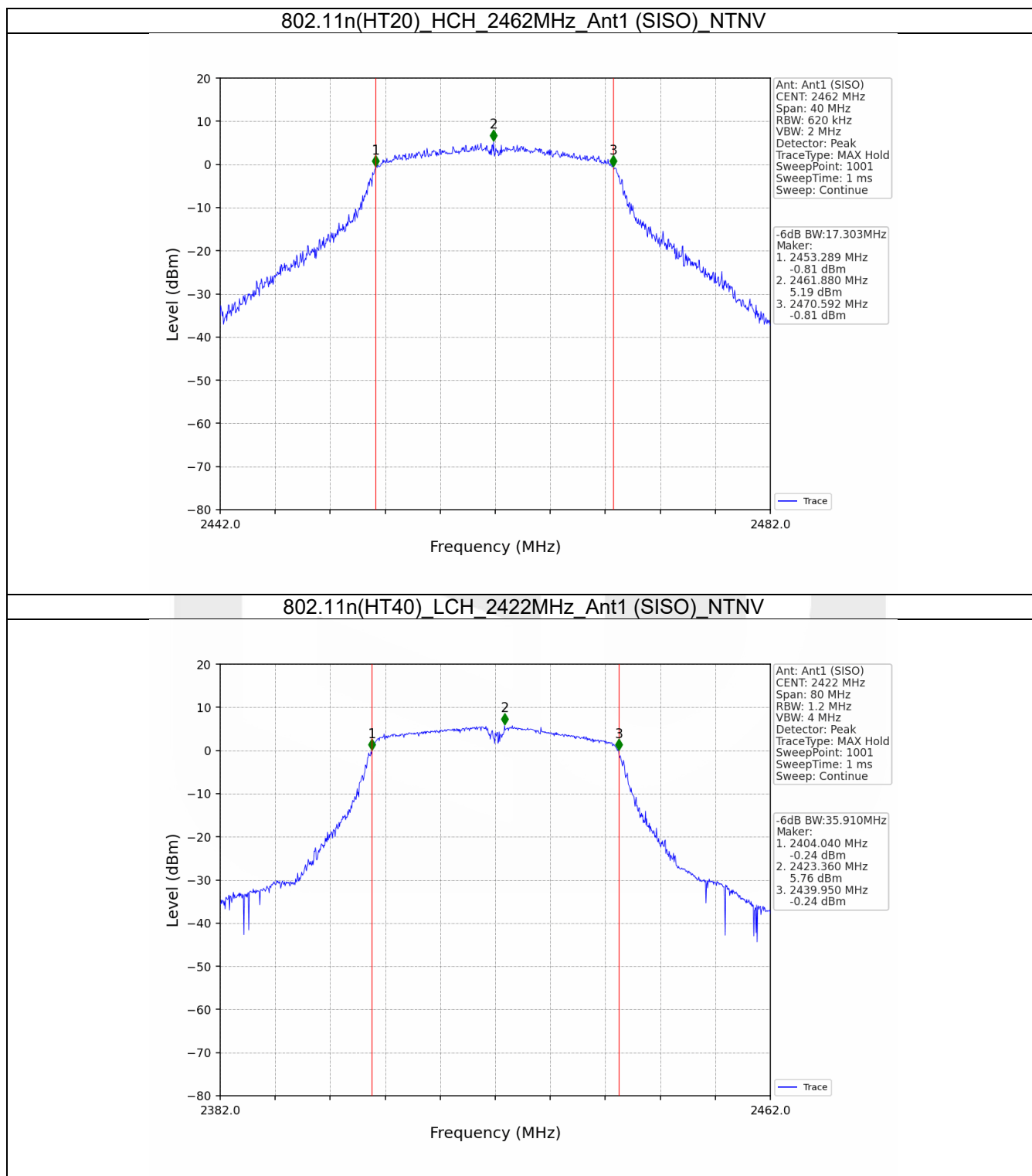
2.2.2 Test Graph

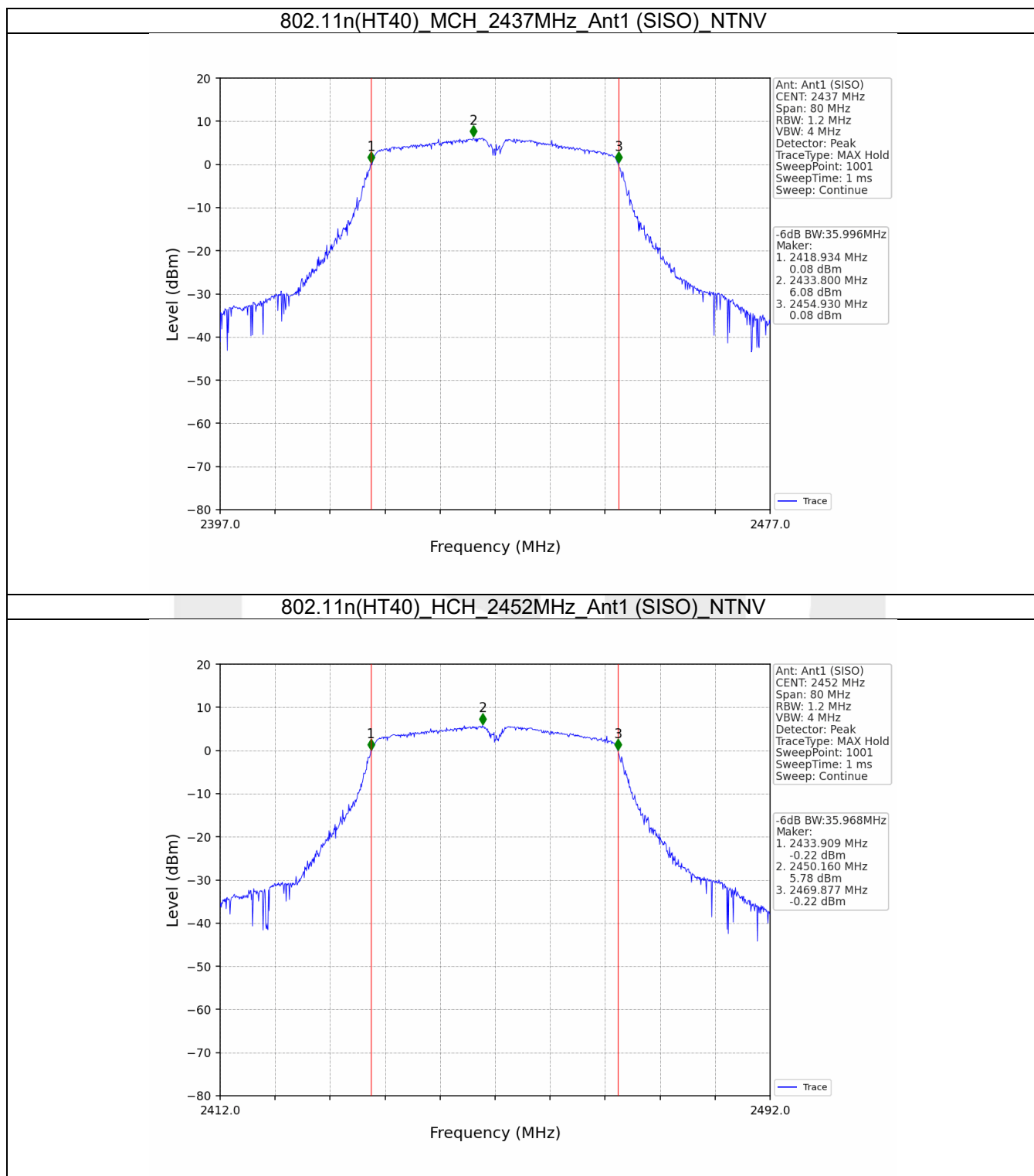












3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	12.90	<=30	Pass
		2437	11.79	<=30	Pass
		2462	11.39	<=30	Pass
802.11g	SISO	2412	17.81	<=30	Pass
		2437	17.96	<=30	Pass
		2462	17.29	<=30	Pass
802.11n (HT20)	SISO	2412	17.77	<=30	Pass
		2437	17.76	<=30	Pass
		2462	17.22	<=30	Pass
802.11n (HT40)	SISO	2422	17.11	<=30	Pass
		2437	17.73	<=30	Pass
		2452	17.51	<=30	Pass

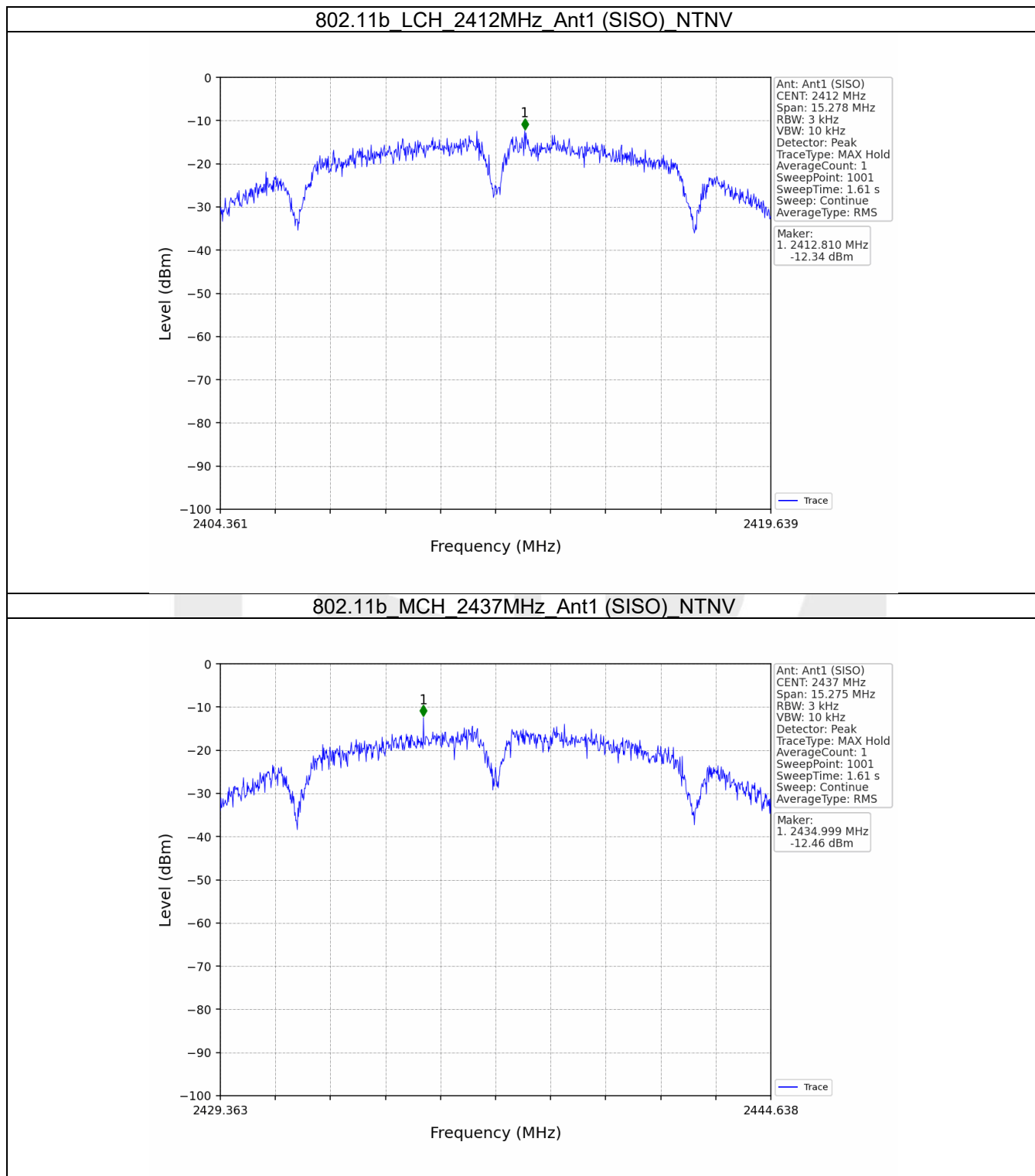
4. Maximum Power Spectral Density

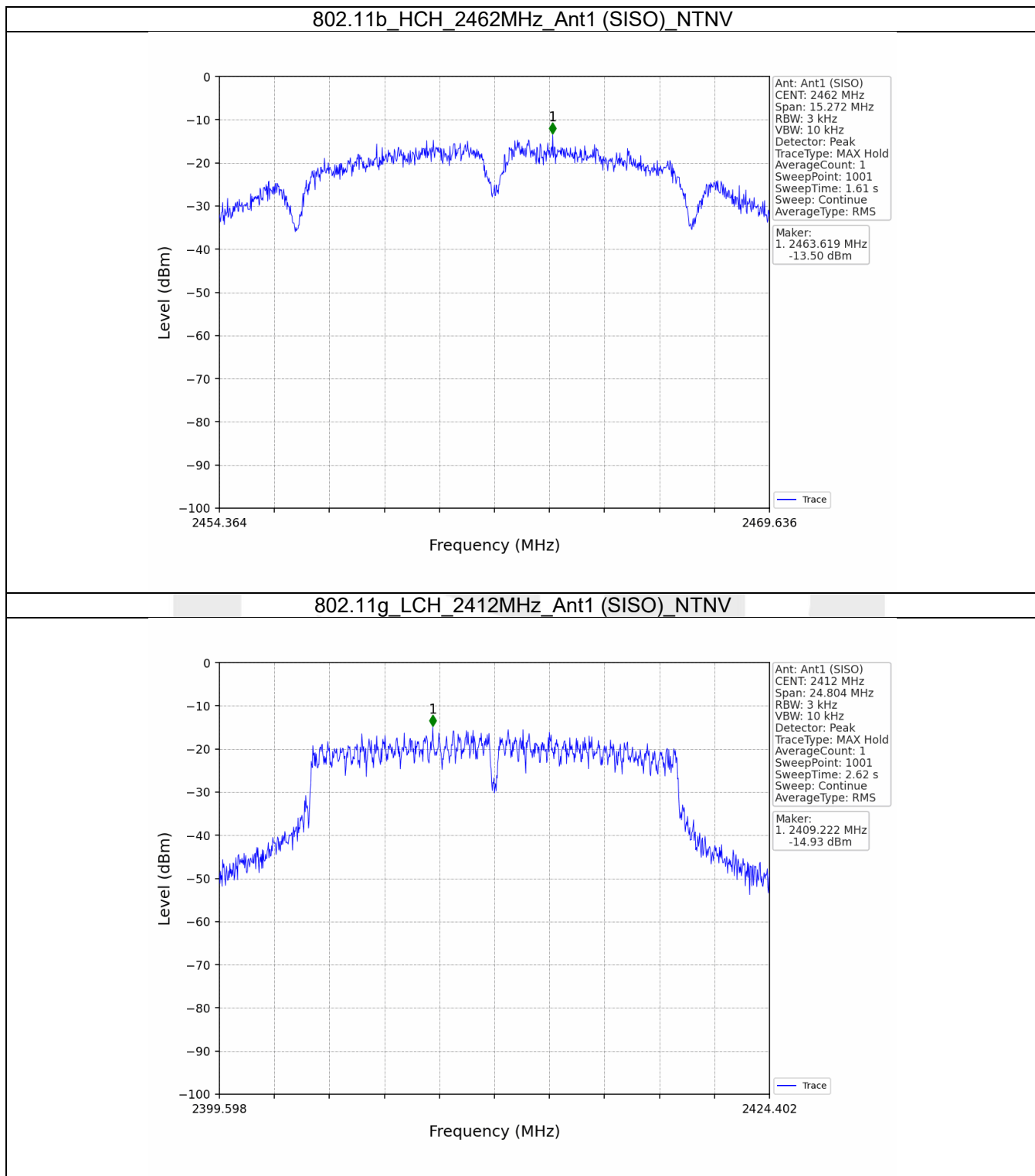
4.1 PSD

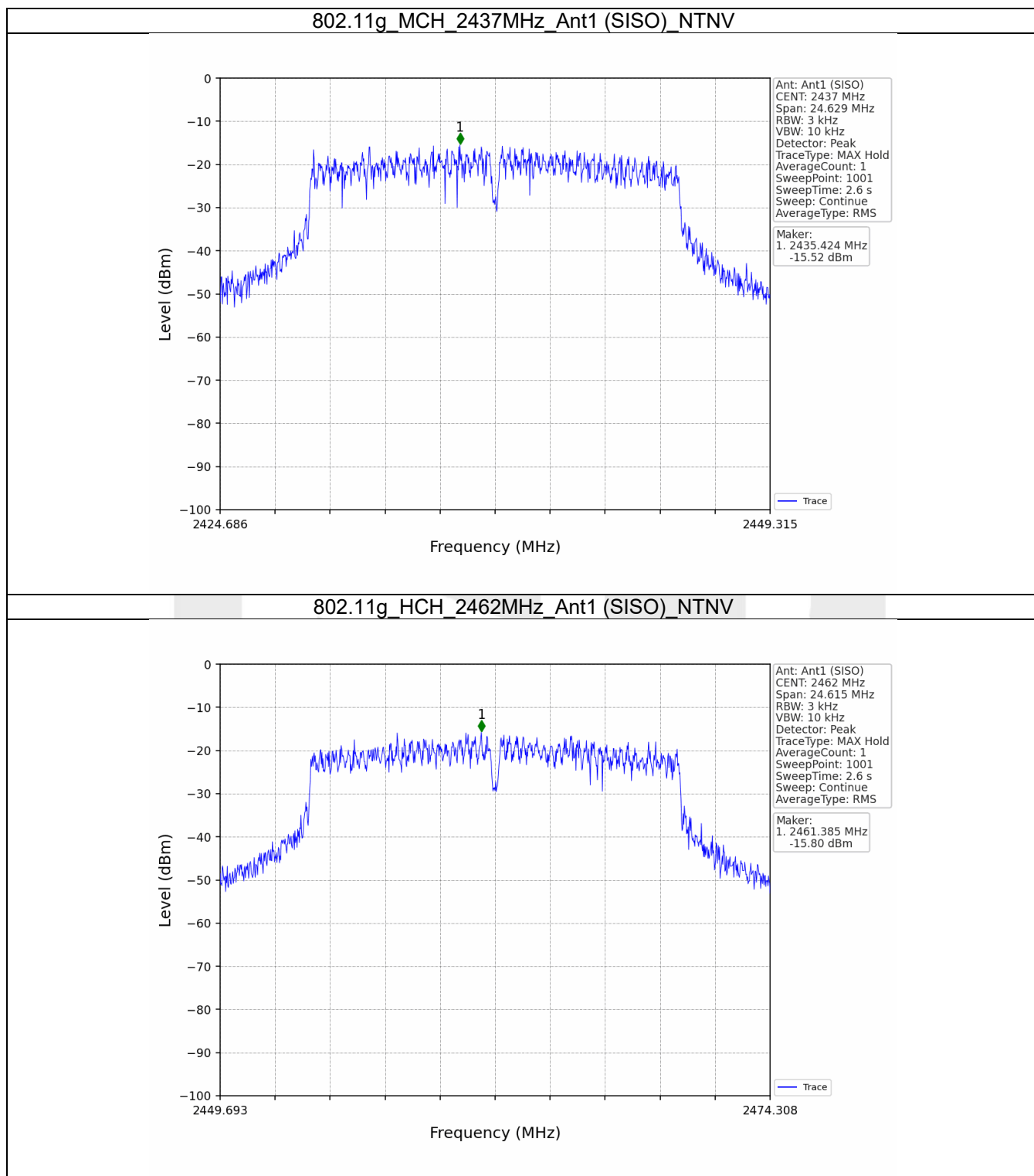
4.1.1 Test Result

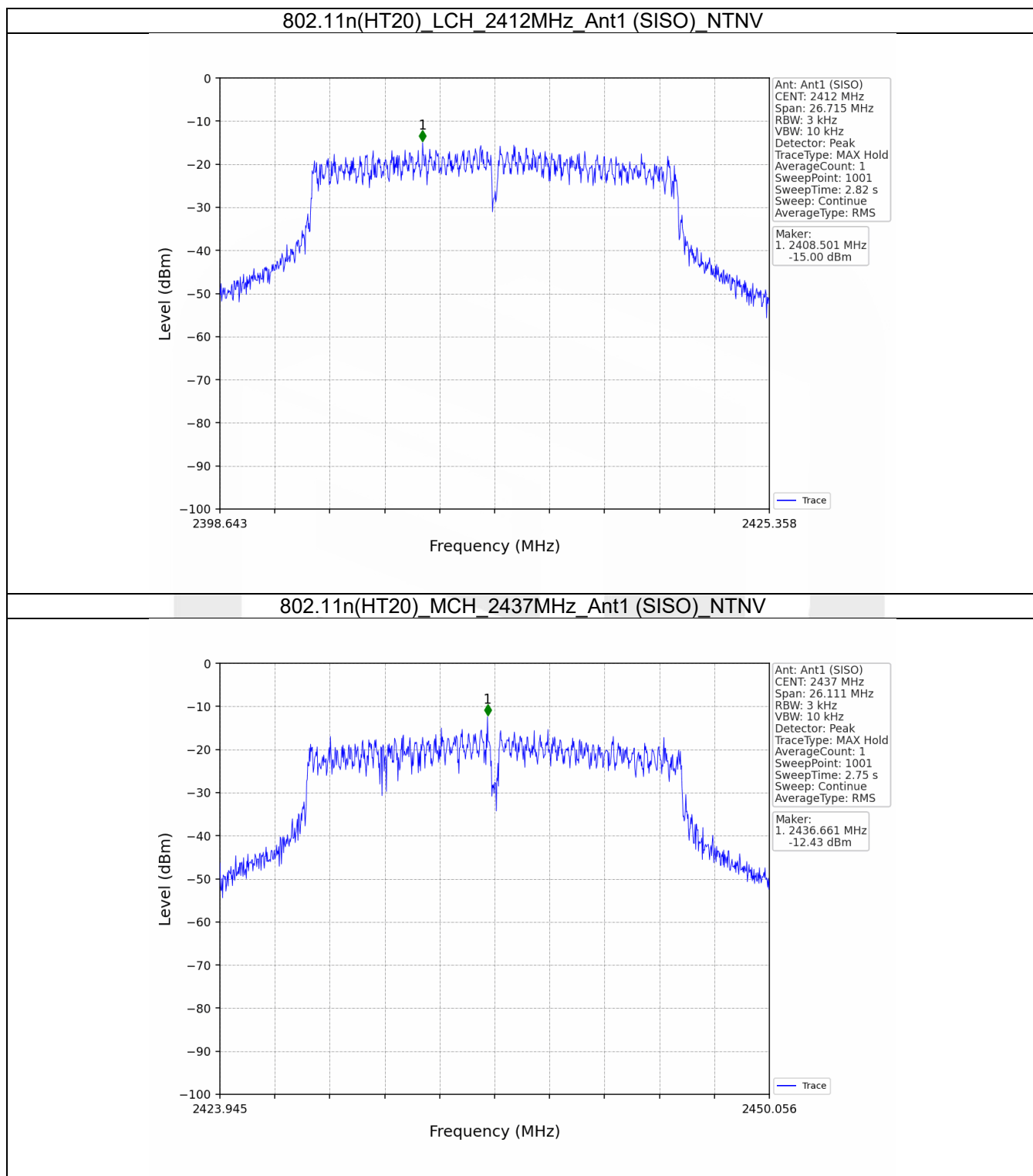
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-12.34	<=8	Pass
		2437	-12.46	<=8	Pass
		2462	-13.50	<=8	Pass
802.11g	SISO	2412	-14.93	<=8	Pass
		2437	-15.52	<=8	Pass
		2462	-15.80	<=8	Pass
802.11n (HT20)	SISO	2412	-15.00	<=8	Pass
		2437	-12.43	<=8	Pass
		2462	-15.36	<=8	Pass
802.11n (HT40)	SISO	2422	-16.58	<=8	Pass
		2437	-17.78	<=8	Pass
		2452	-17.08	<=8	Pass

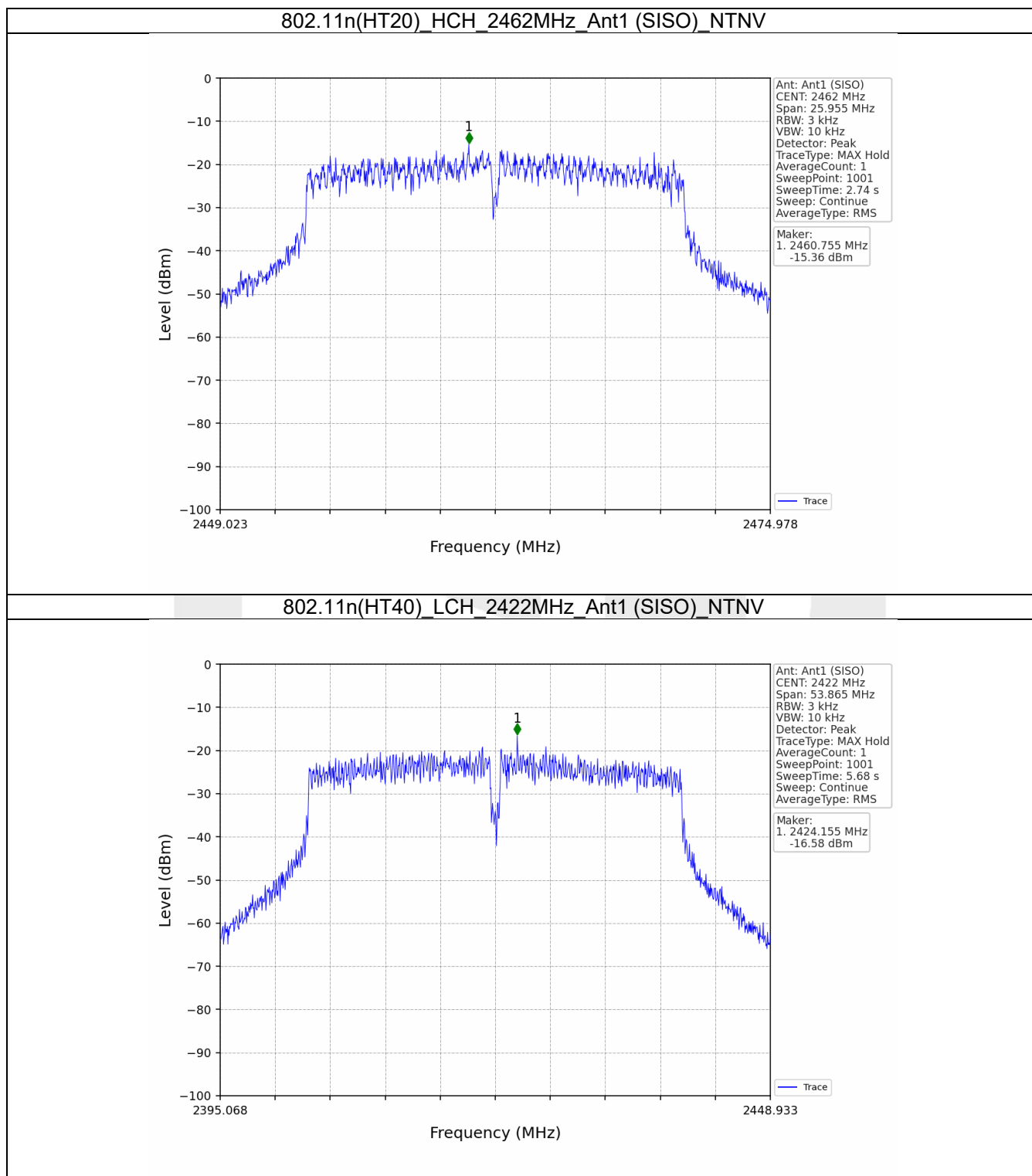
4.1.2 Test Graph

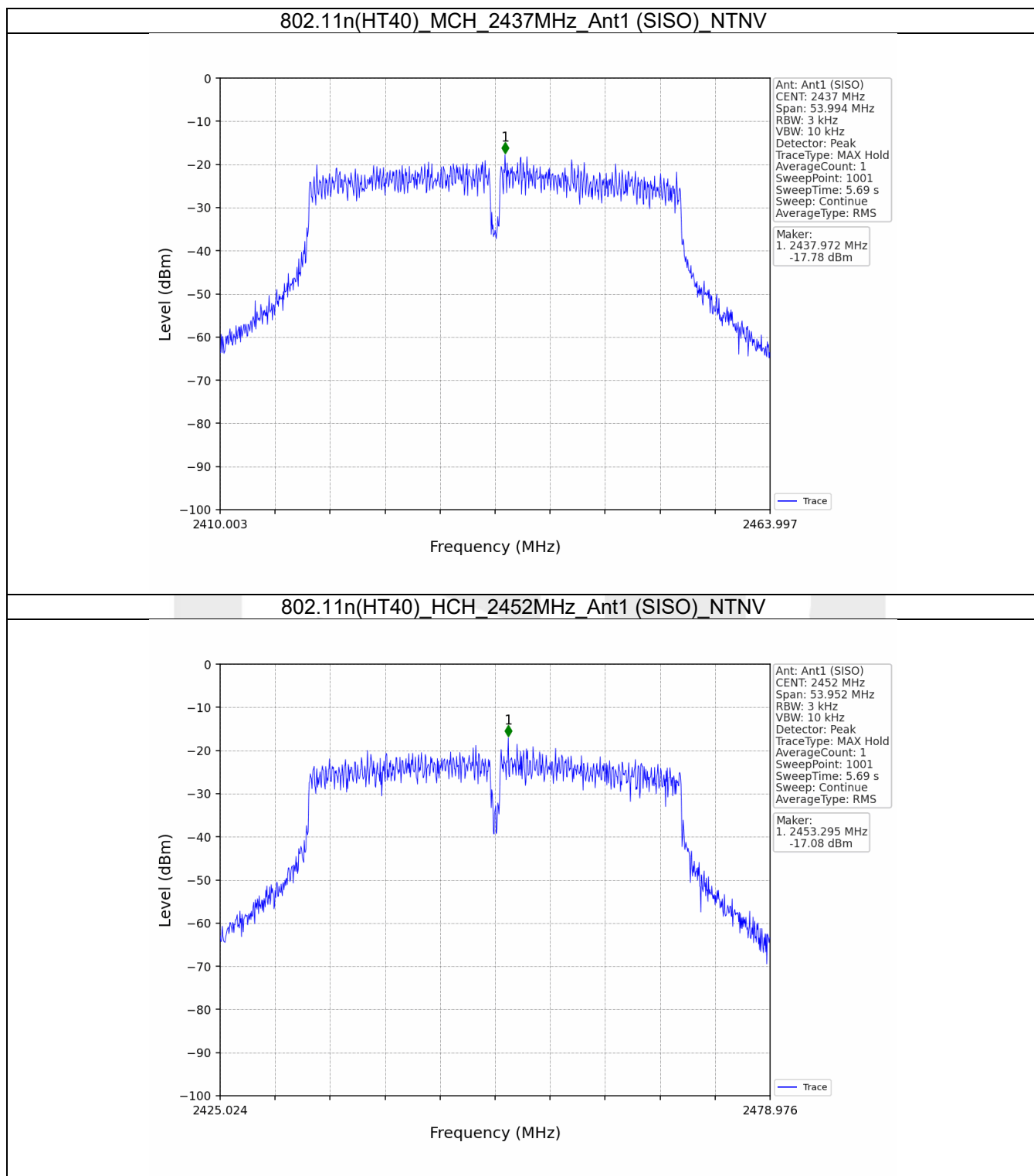












5. Unwanted Emissions In Non-restricted Frequency Bands

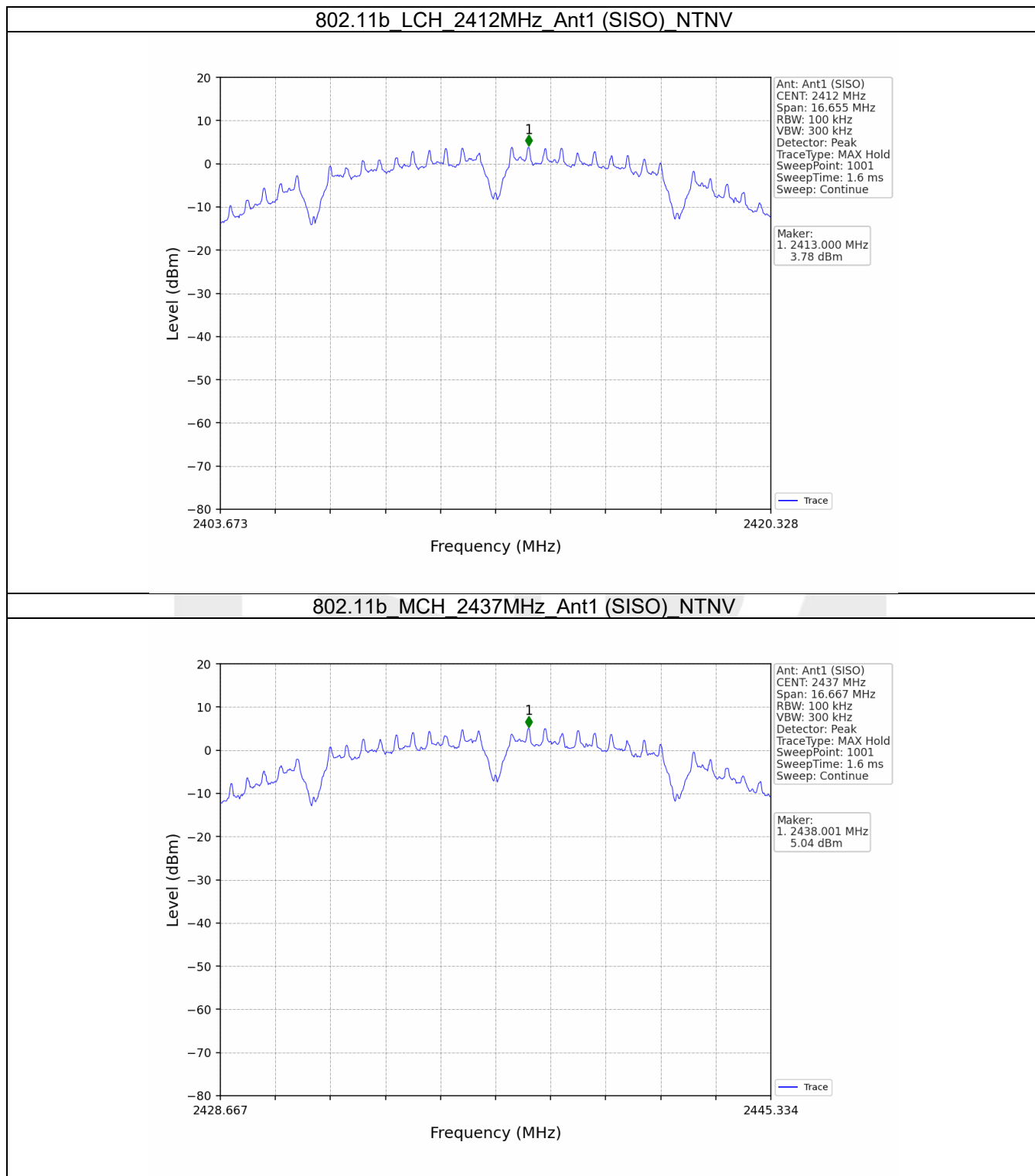
5.1 Ref

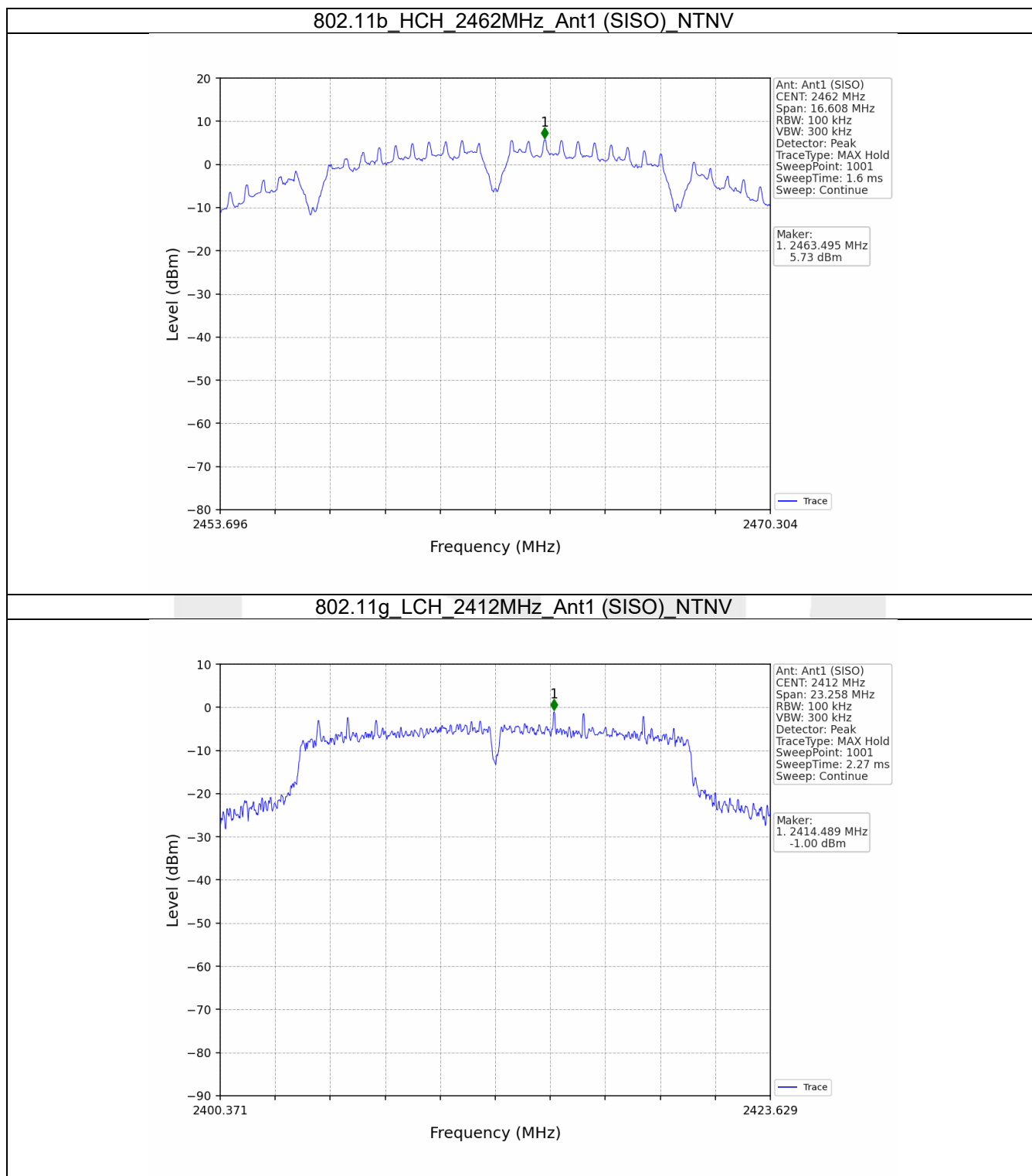
5.1.1 Test Result

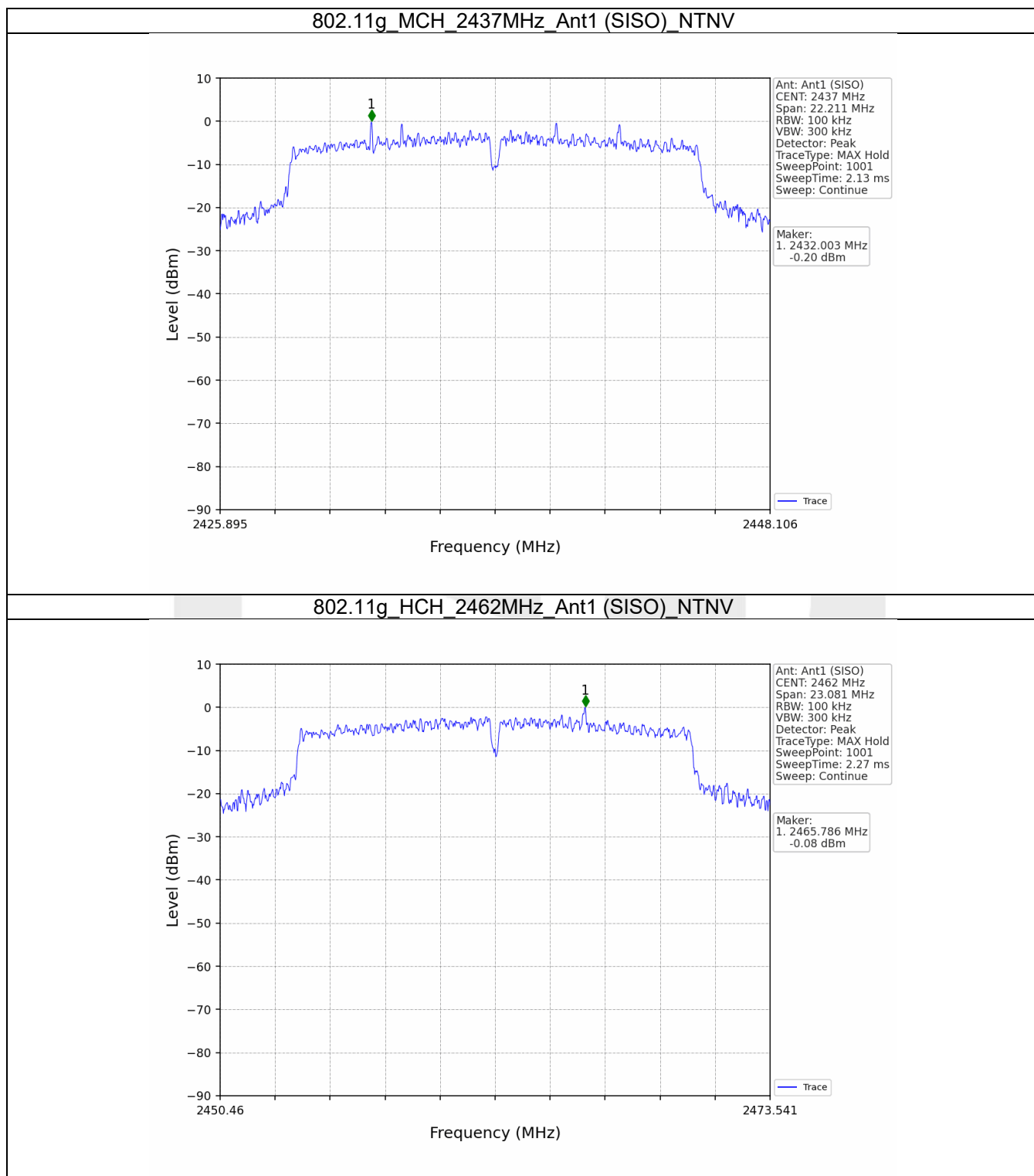
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	3.78
		2437	/	/	1	5.04
		2462	/	/	1	5.73
802.11g	SISO	2412	/	/	1	-1.00
		2437	/	/	1	-0.20
		2462	/	/	1	-0.08
802.11n (HT20)	SISO	2412	/	/	1	-1.52
		2437	/	/	1	-0.45
		2462	/	/	1	0.44
802.11n (HT40)	SISO	2422	/	/	1	-4.71
		2437	/	/	1	-3.11
		2452	/	/	1	-3.42

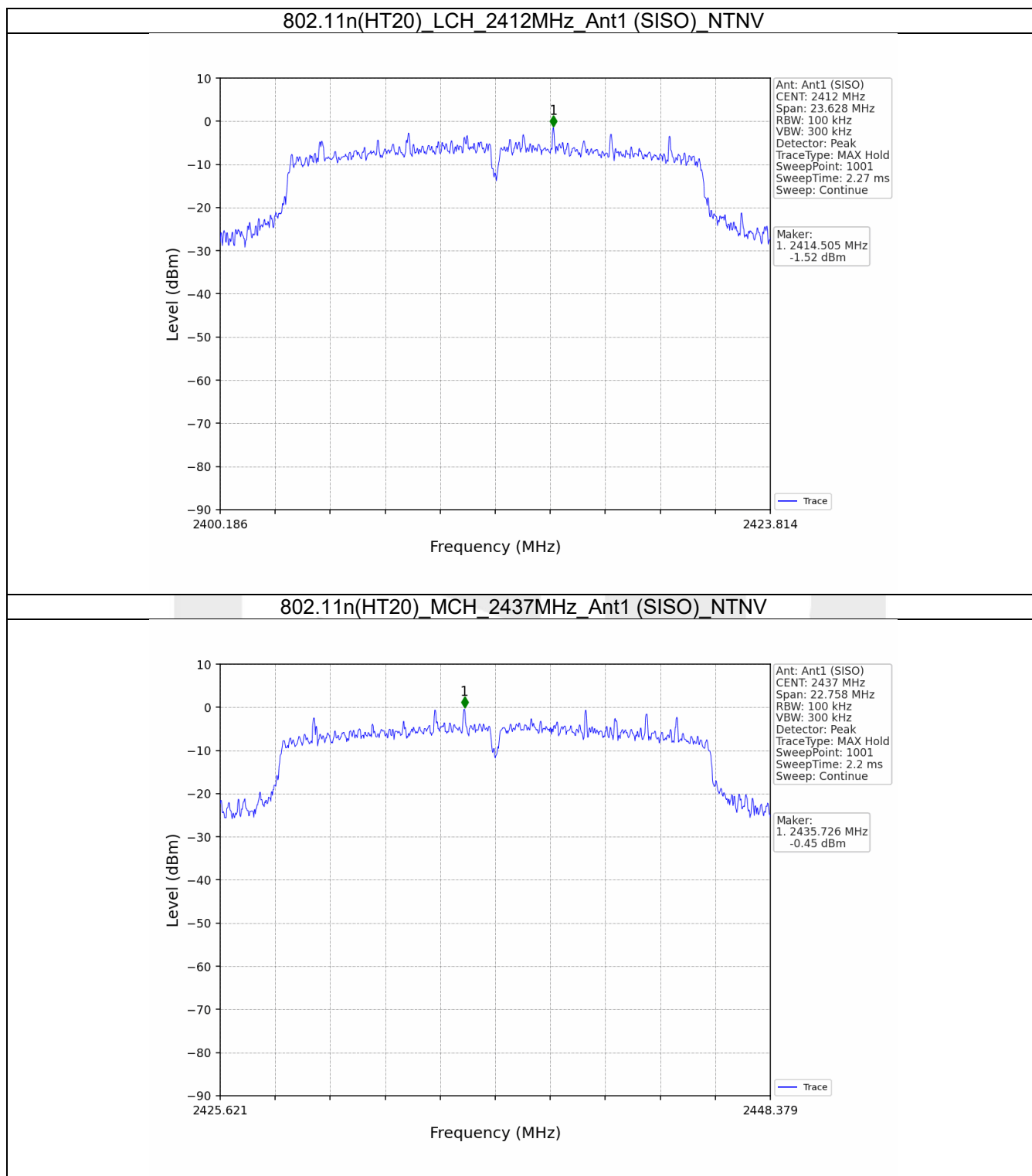
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

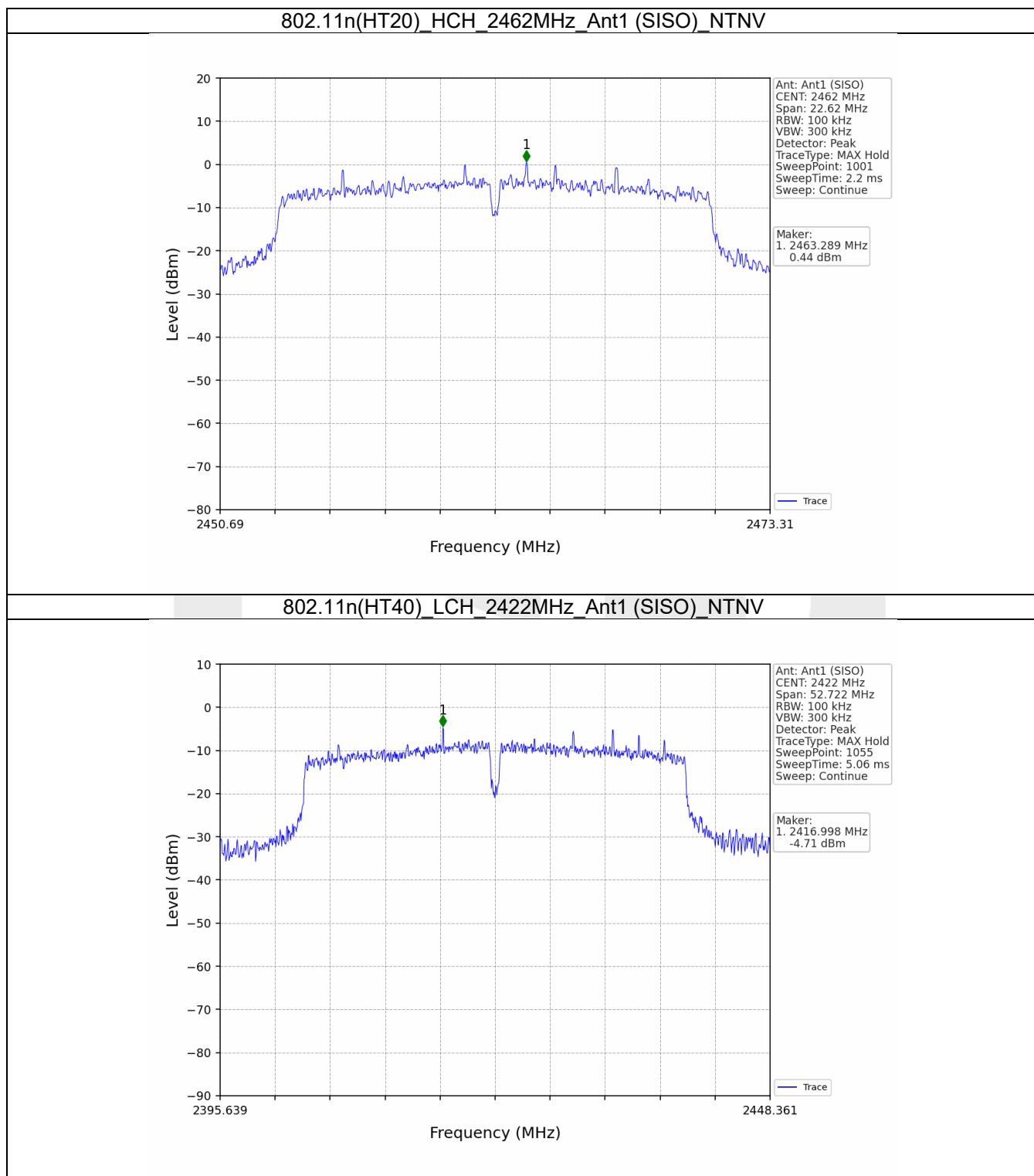
5.1.2 Test Graph

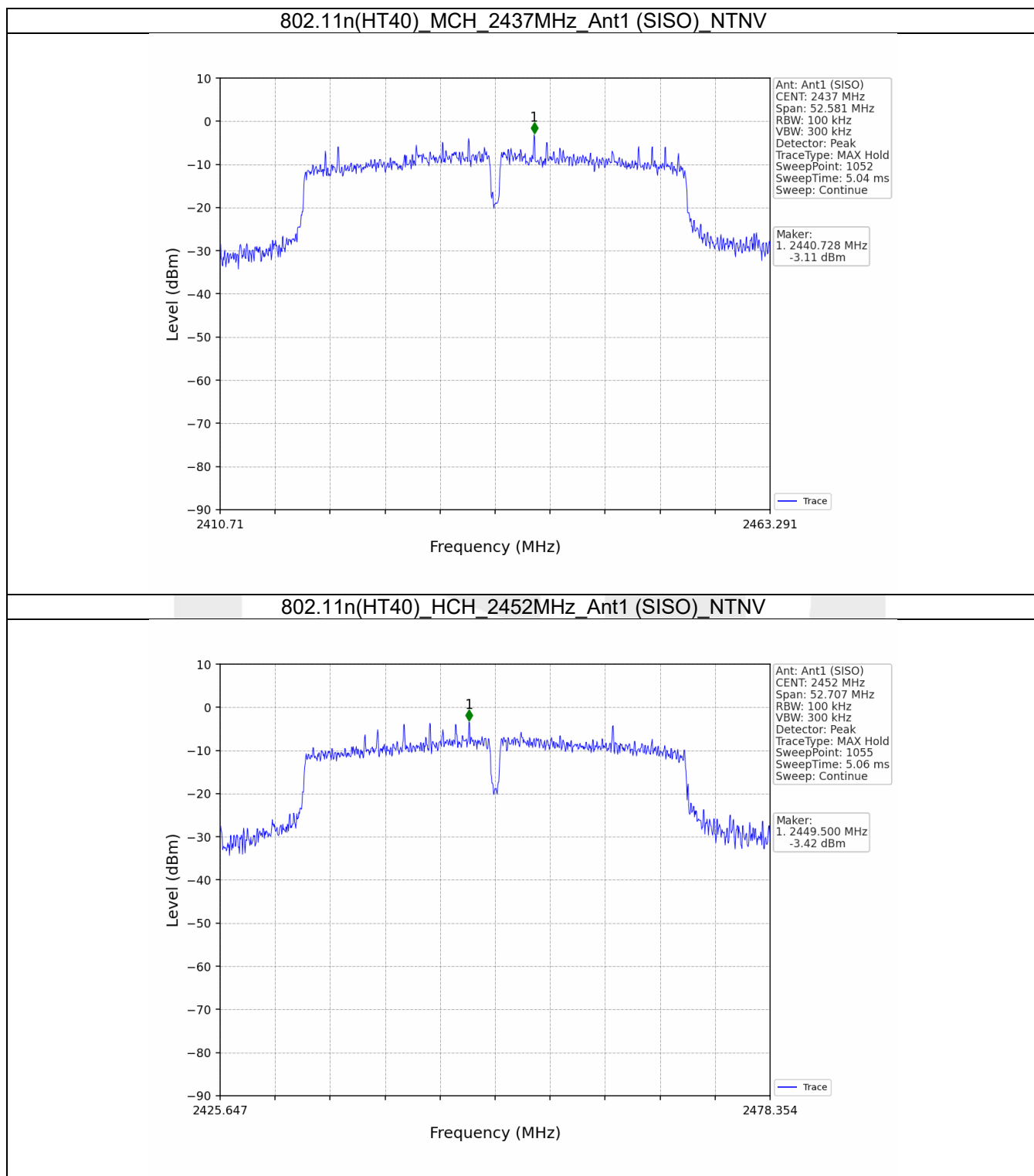










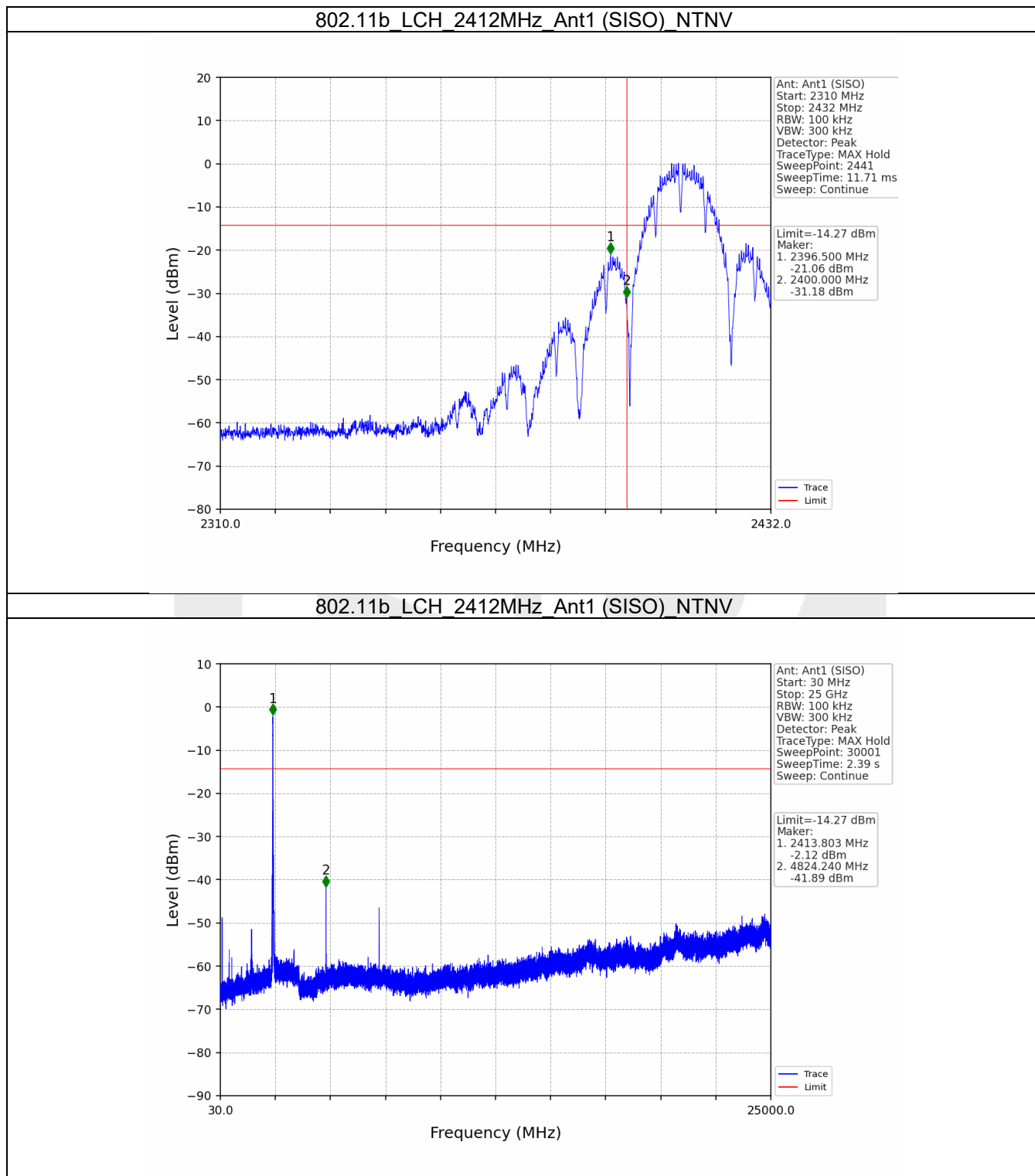


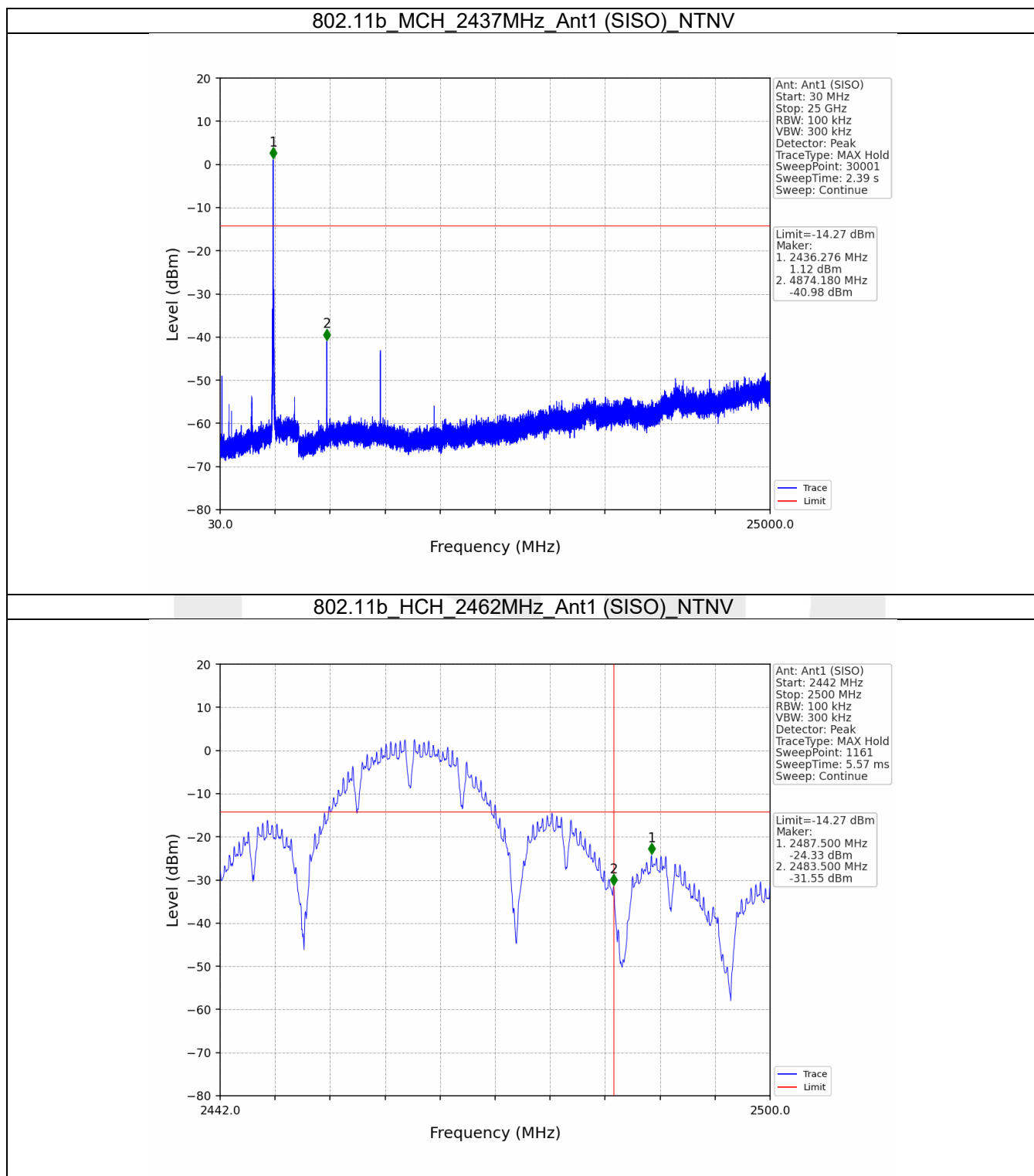
5.2 CSE

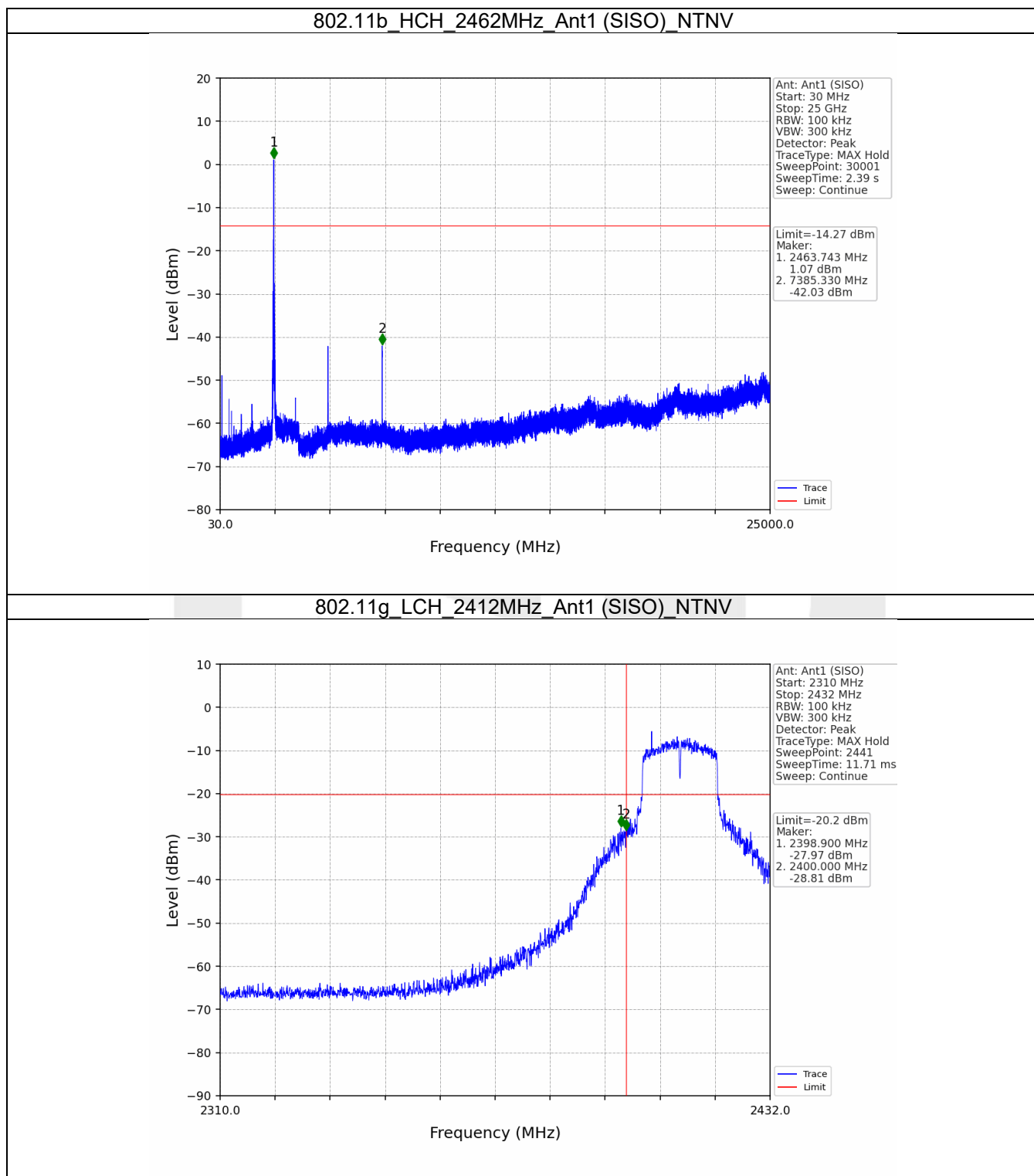
5.2.1 Test Result

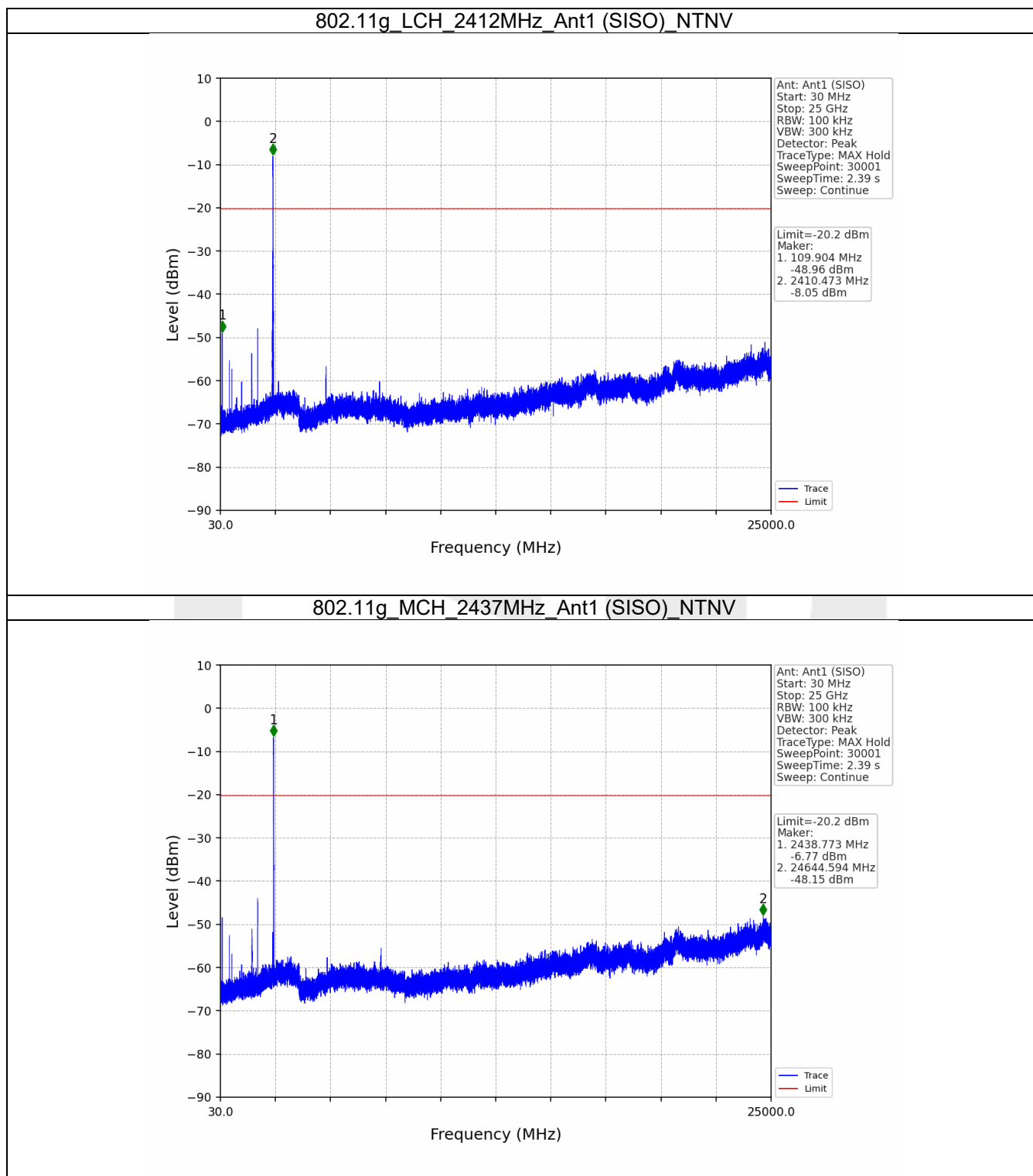
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	5.73	-14.27	Pass
		2437	/	/	1	5.73	-14.27	Pass
		2462	/	/	1	5.73	-14.27	Pass
802.11g	SISO	2412	/	/	1	-0.20	-20.20	Pass
		2437	/	/	1	-0.20	-20.20	Pass
		2462	/	/	1	-0.20	-20.20	Pass
802.11n (HT20)	SISO	2412	/	/	1	-1.52	-21.52	Pass
		2437	/	/	1	-1.52	-21.52	Pass
		2462	/	/	1	-1.52	-21.52	Pass
802.11n (HT40)	SISO	2422	/	/	1	-3.11	-23.11	Pass
		2437	/	/	1	-3.11	-23.11	Pass
		2452	/	/	1	-3.11	-23.11	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.								

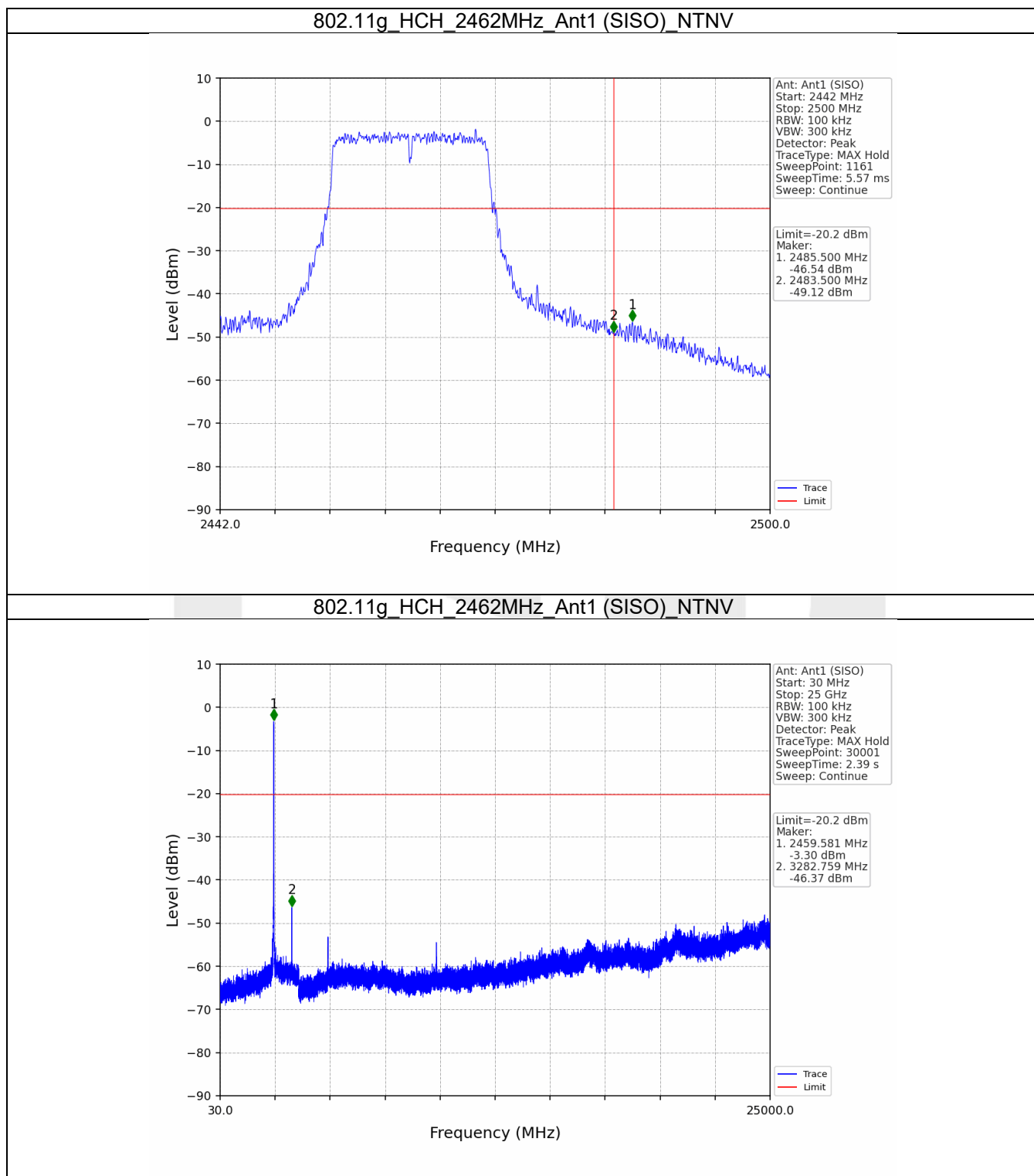
5.2.2 Test Graph

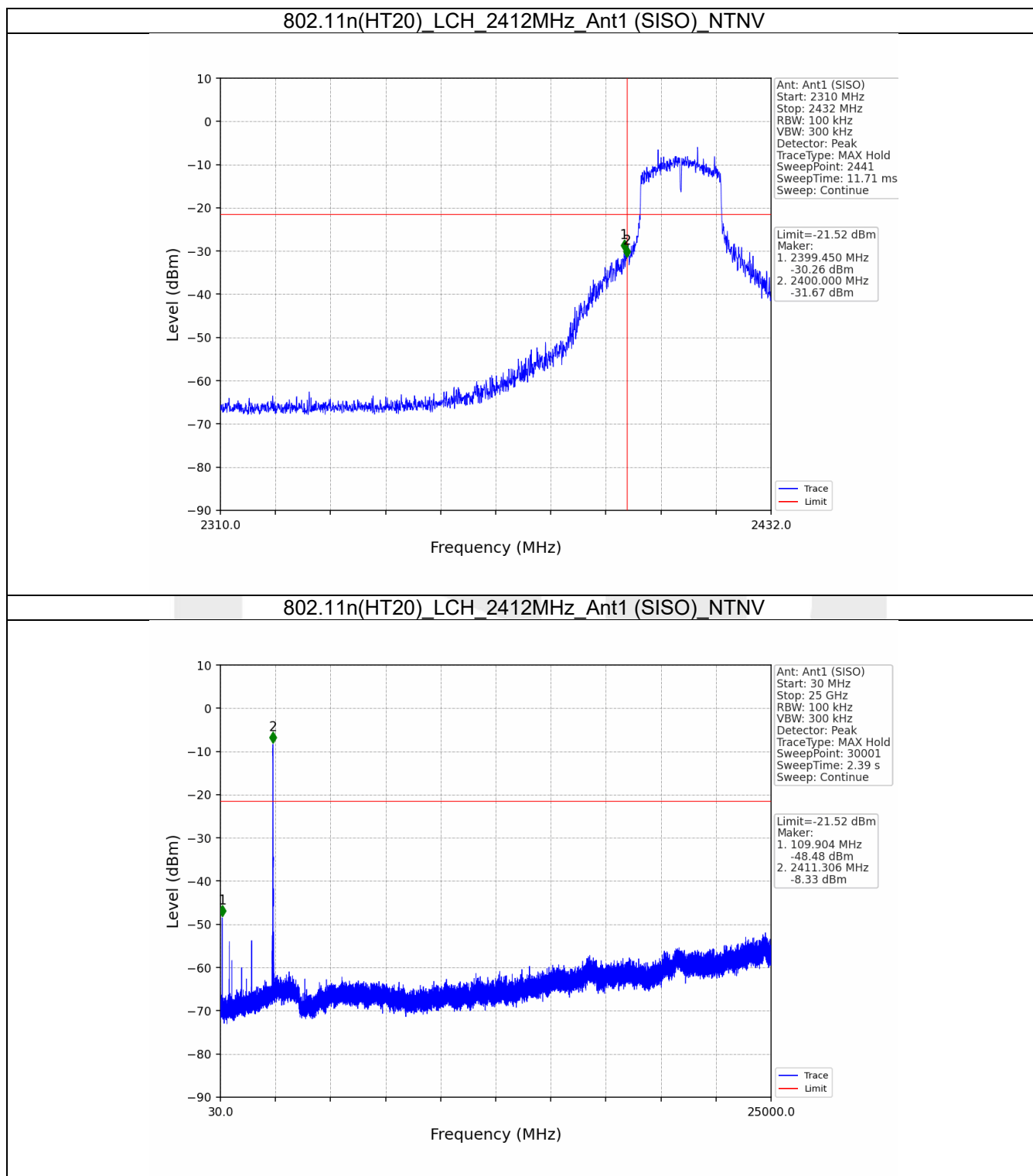


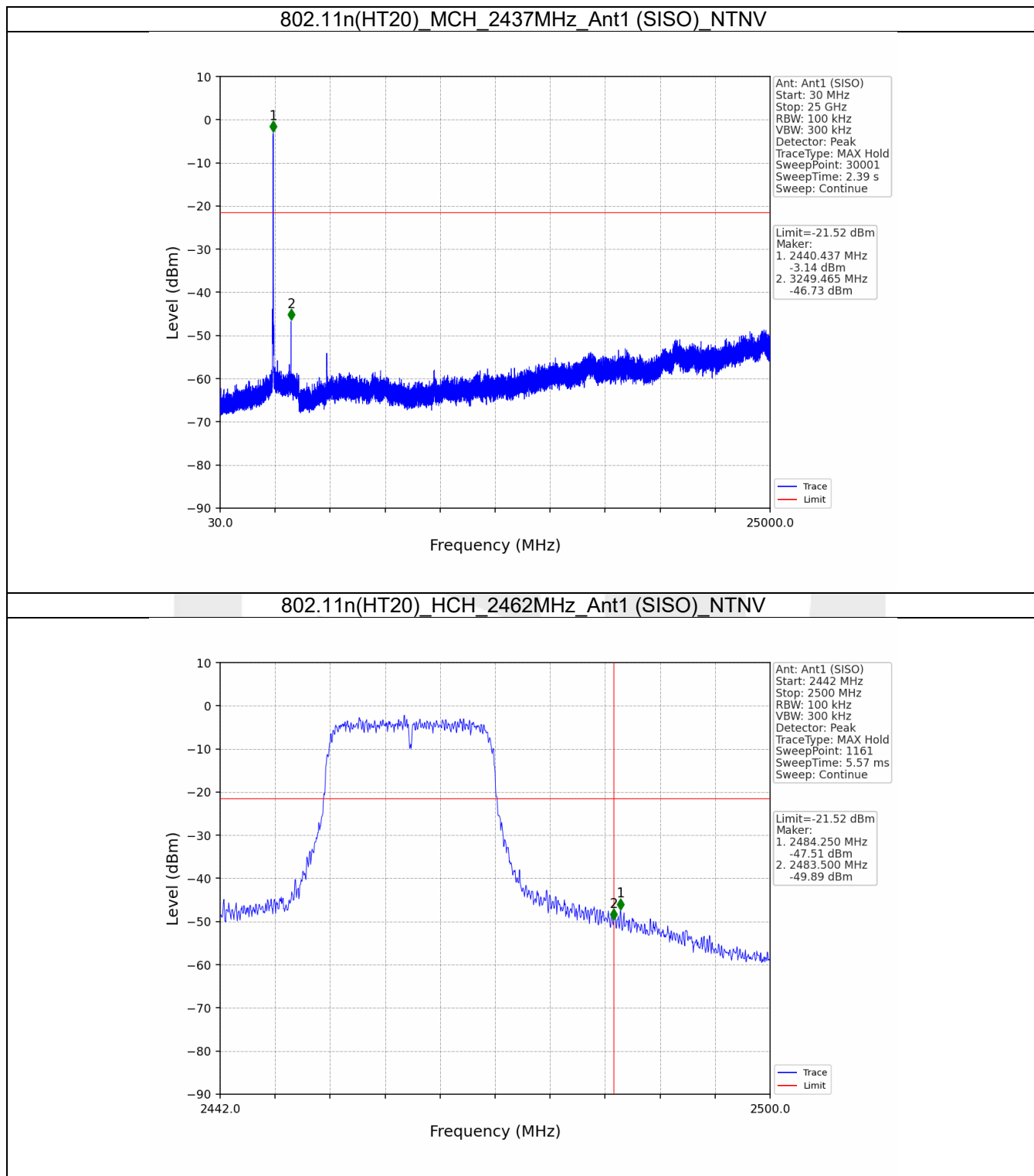


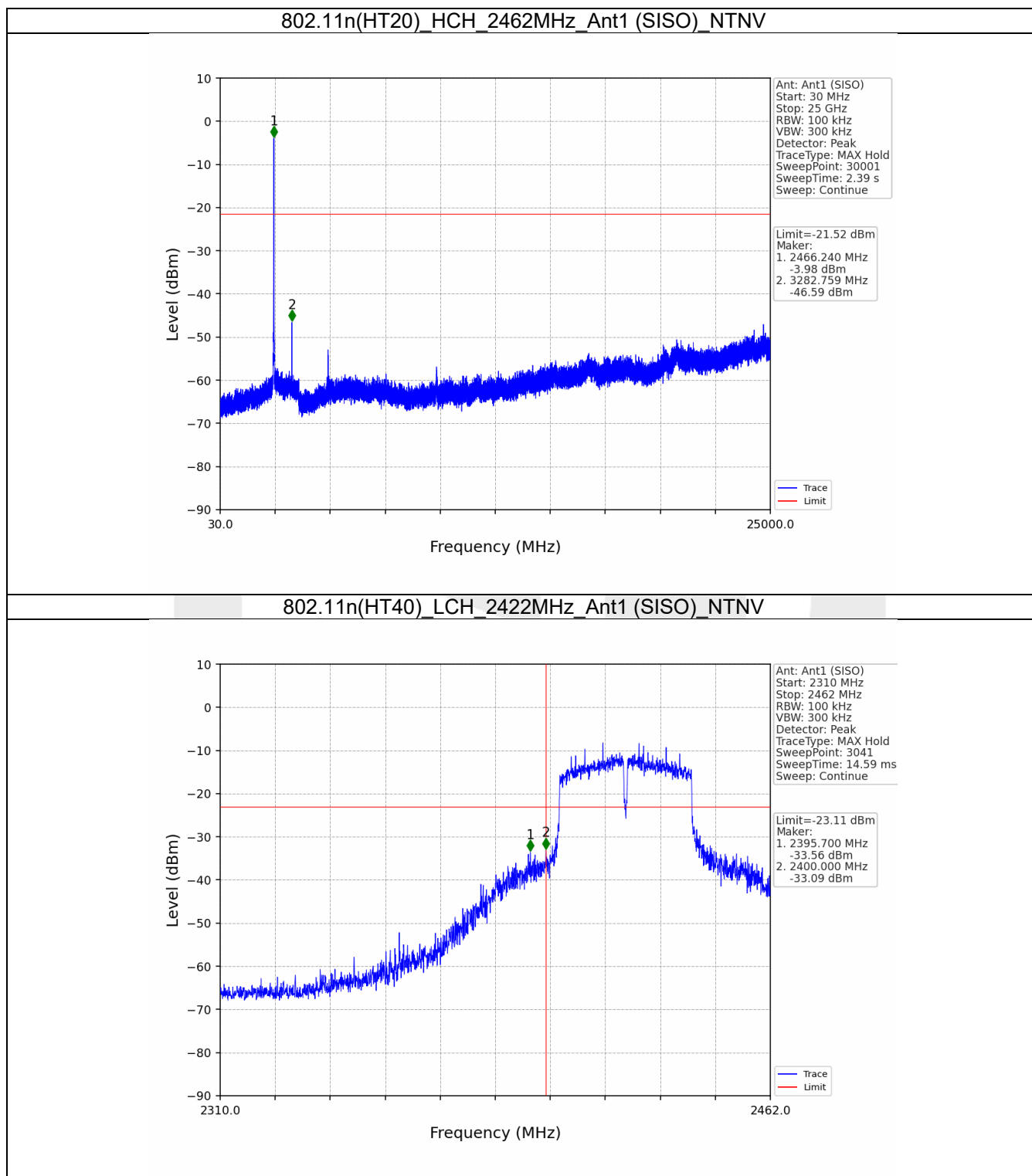


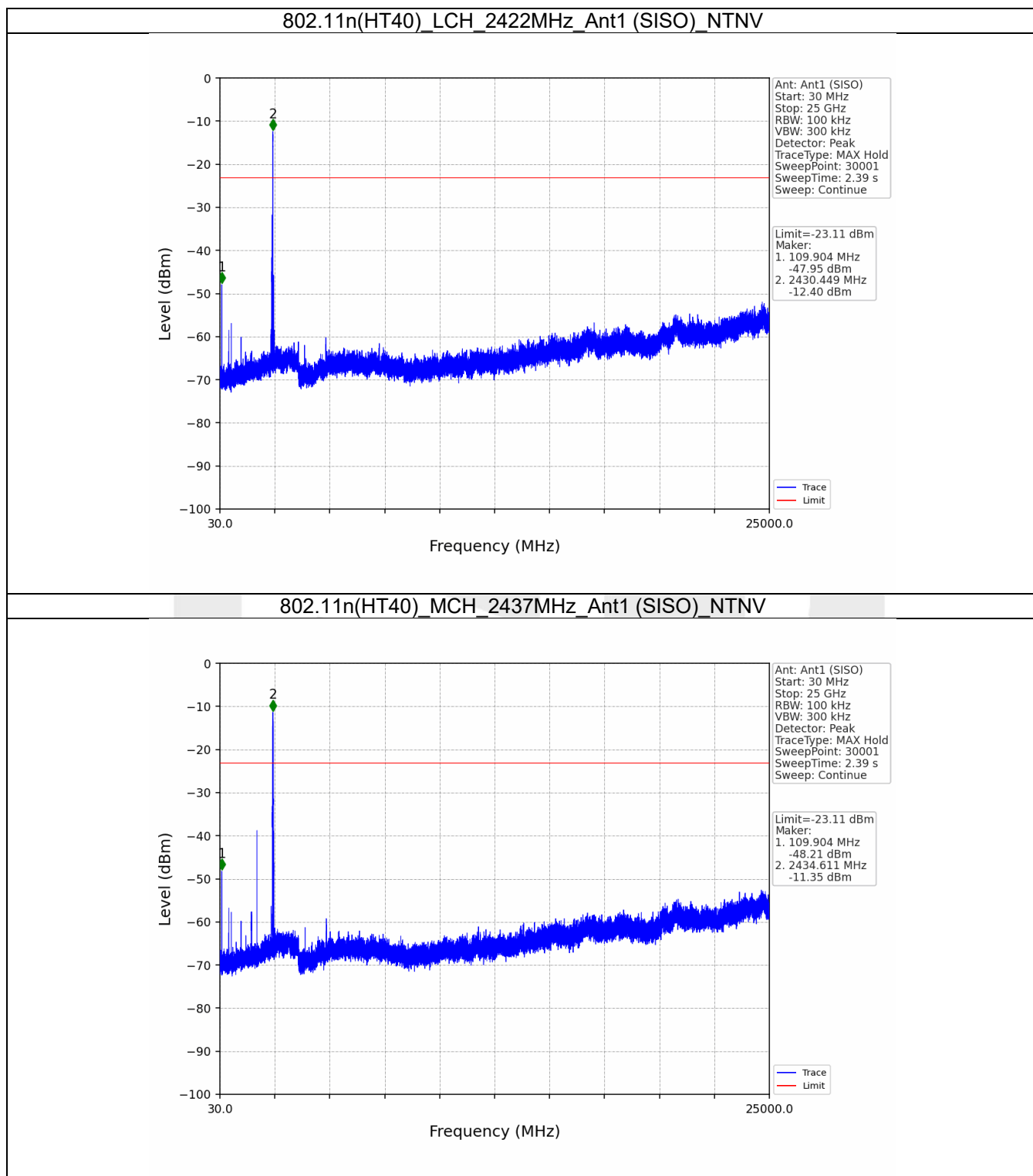


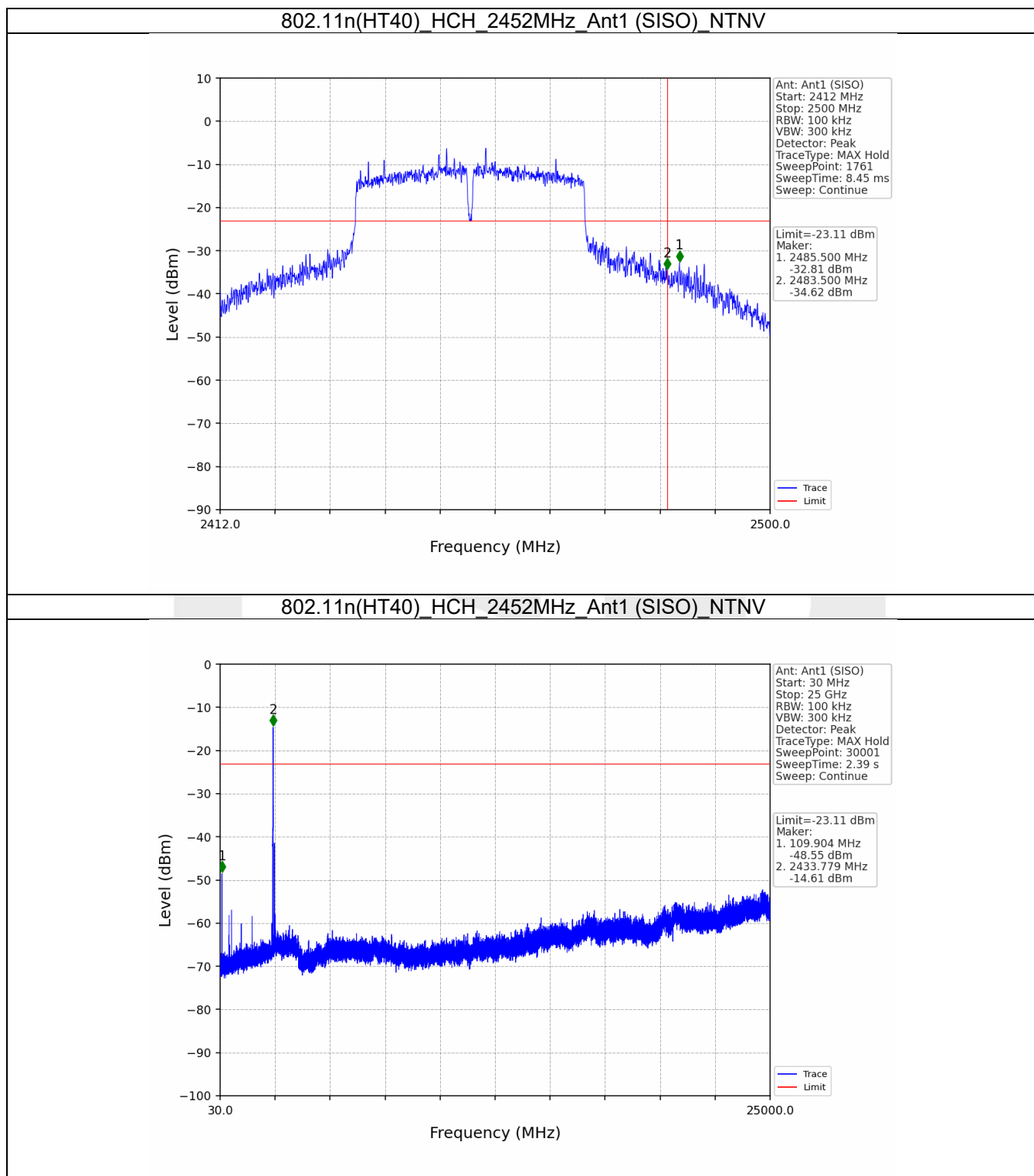












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