

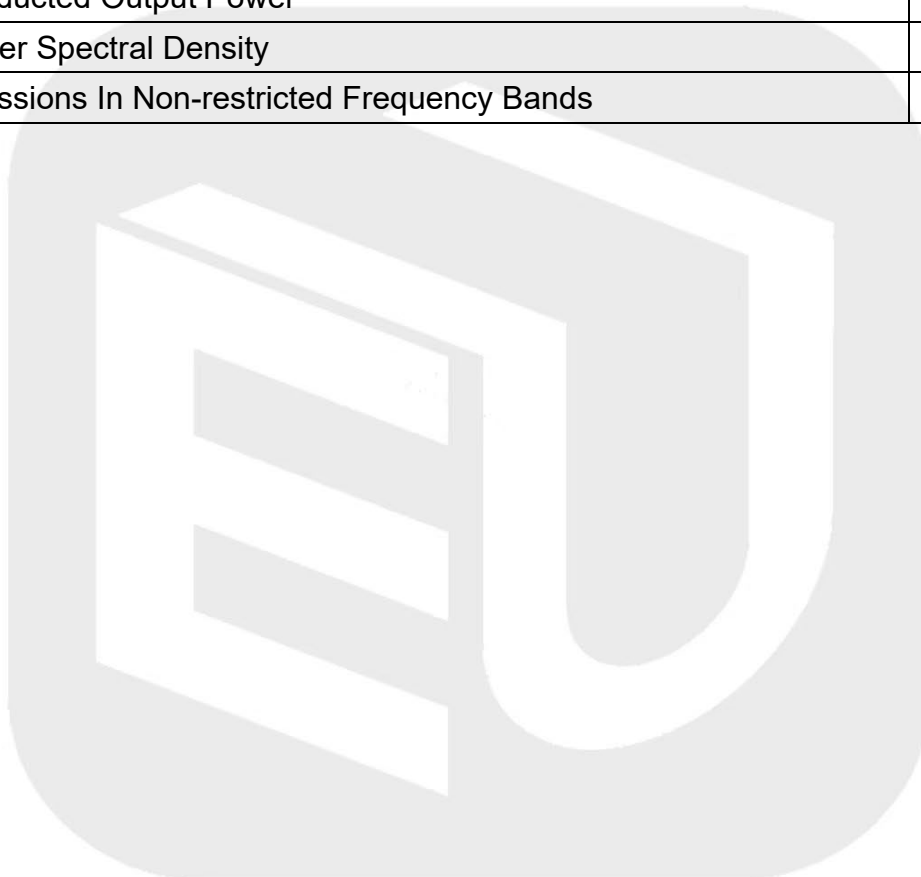
ANNEX E TEST DATA

For

Project No.:	8228EU010101W
Client:	Shenzhen Okexin Technology Co., Ltd.
Product Name:	Projector
Model No.:	L02
FCC ID:	2BFMQ-L02
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-04-18

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



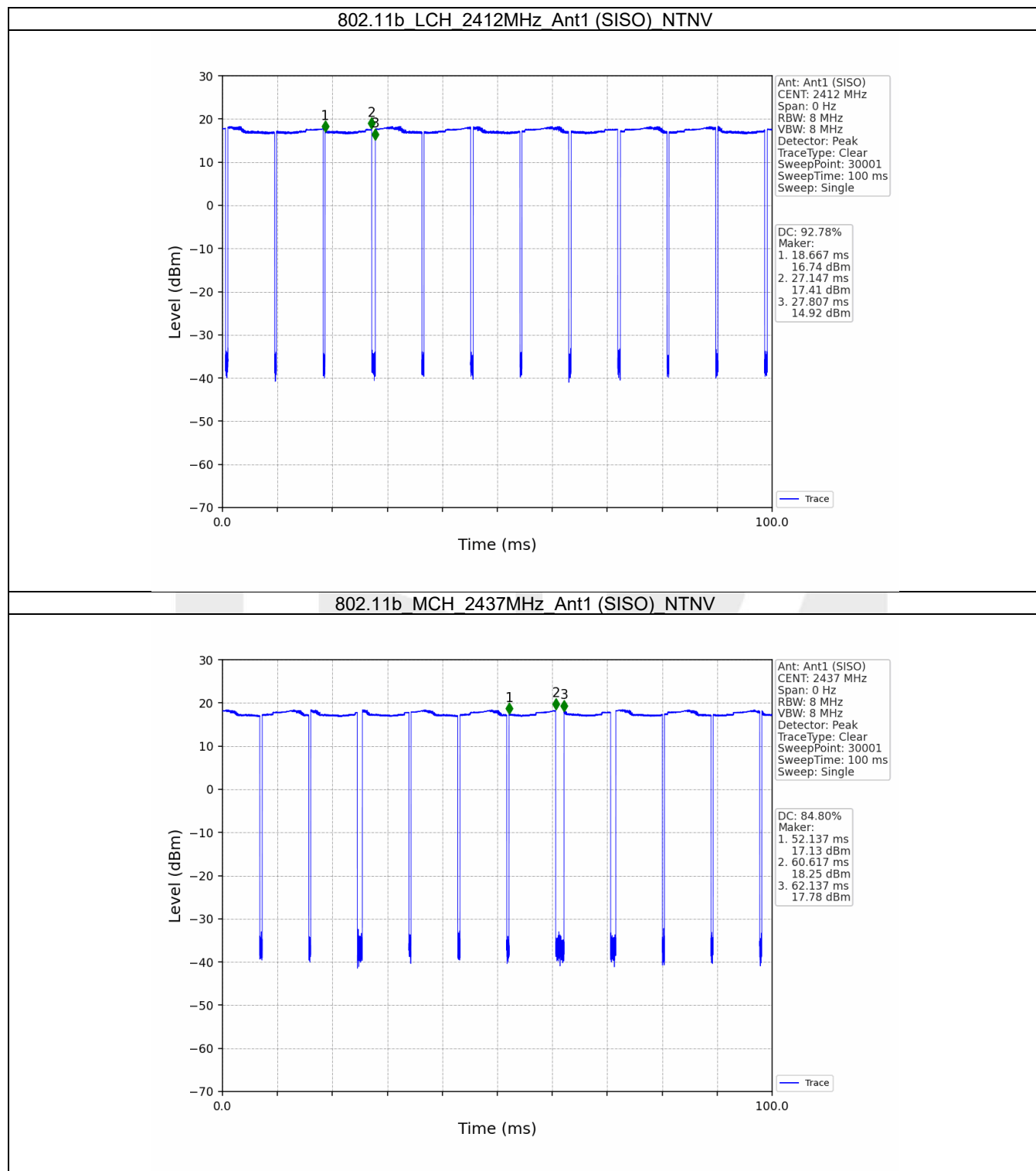
1. Duty Cycle

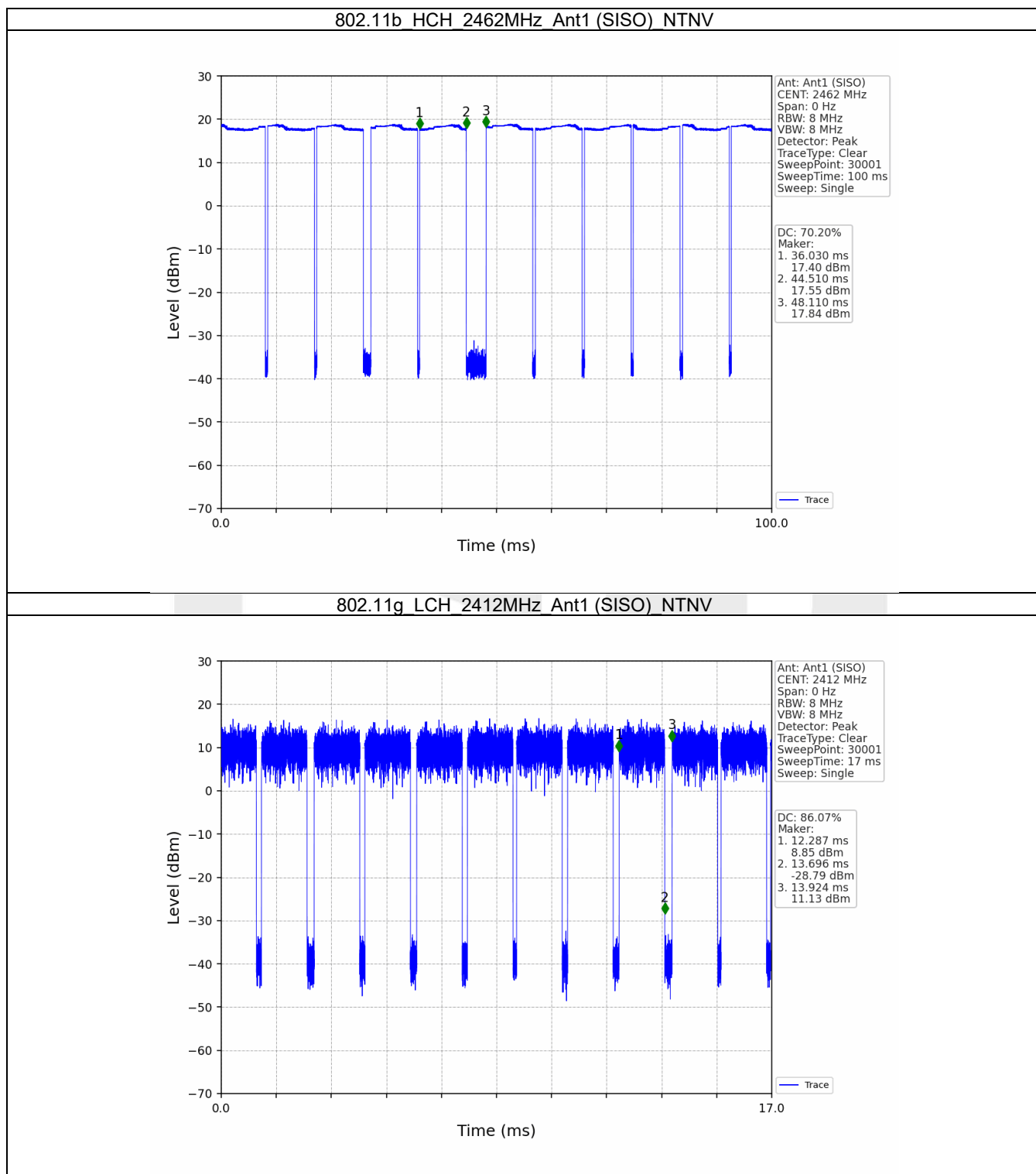
1.1 Ant1

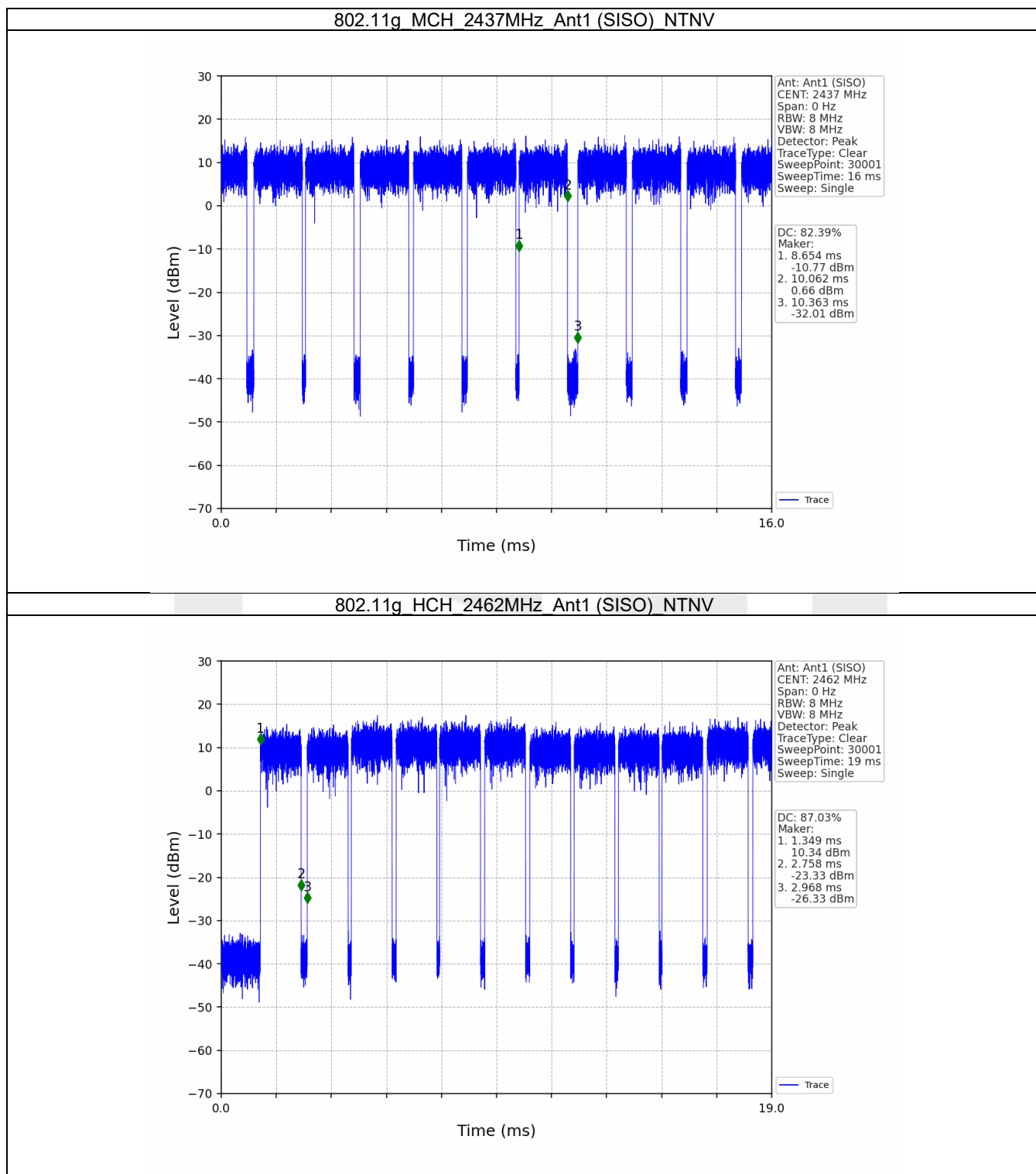
1.1.1 Test Result

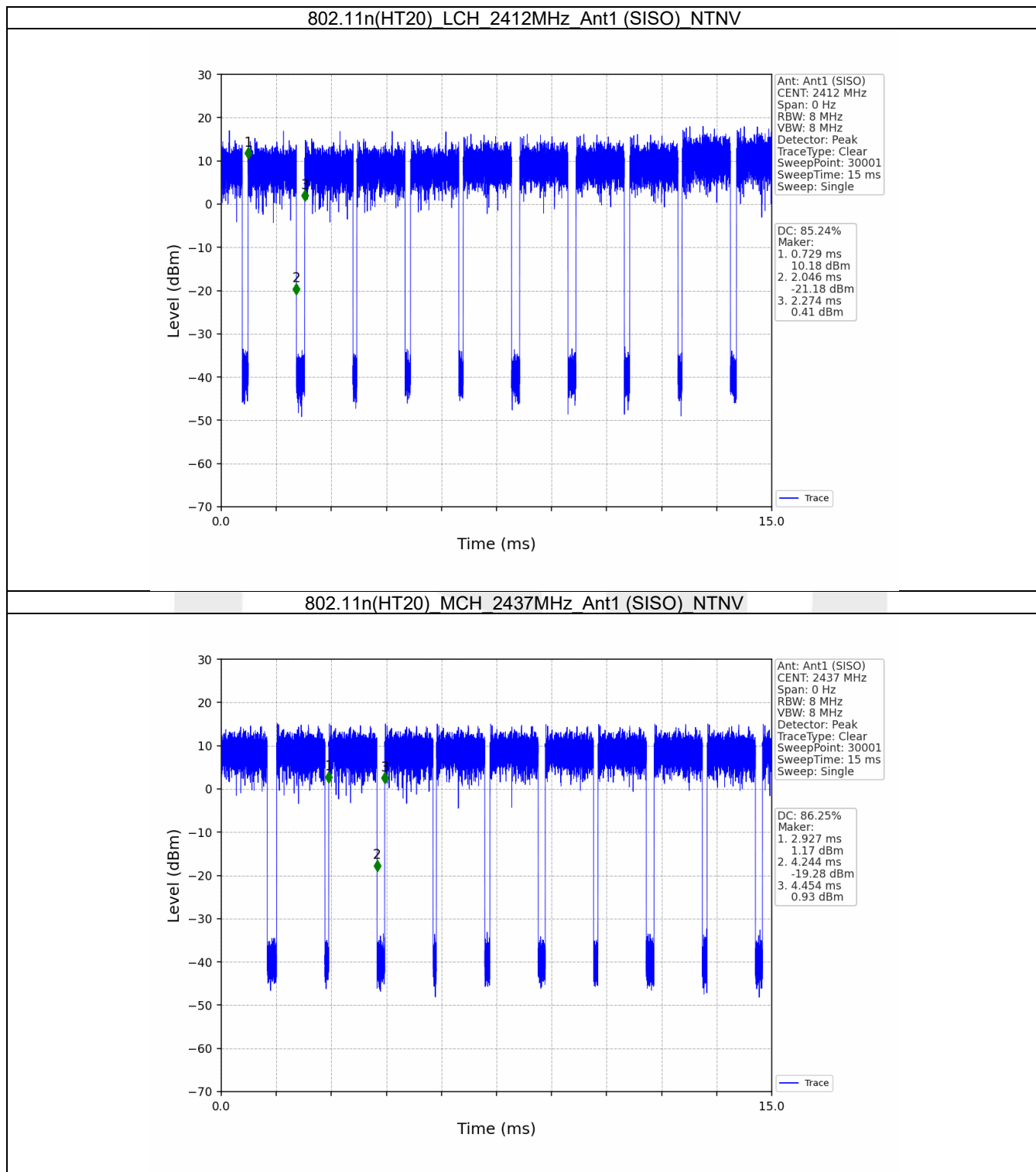
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.480	9.140	92.78	0.33	3.26
		2437	8.480	10.000	84.80	0.72	11.24
		2462	8.480	12.080	70.20	1.54	25.74
802.11g	SISO	2412	1.409	1.637	86.07	0.65	7.16
		2437	1.408	1.709	82.39	0.84	11.36
		2462	1.409	1.619	87.03	0.60	6.79
802.11n (HT20)	SISO	2412	1.317	1.545	85.24	0.69	7.57
		2437	1.317	1.527	86.25	0.64	7.16
		2462	1.316	3.894	33.80	4.71	59.59
802.11n (HT40)	SISO	2422	0.653	0.873	74.80	1.26	11.60
		2437	0.653	0.836	78.11	1.07	6.40
		2452	0.653	4.423	14.76	8.31	71.73

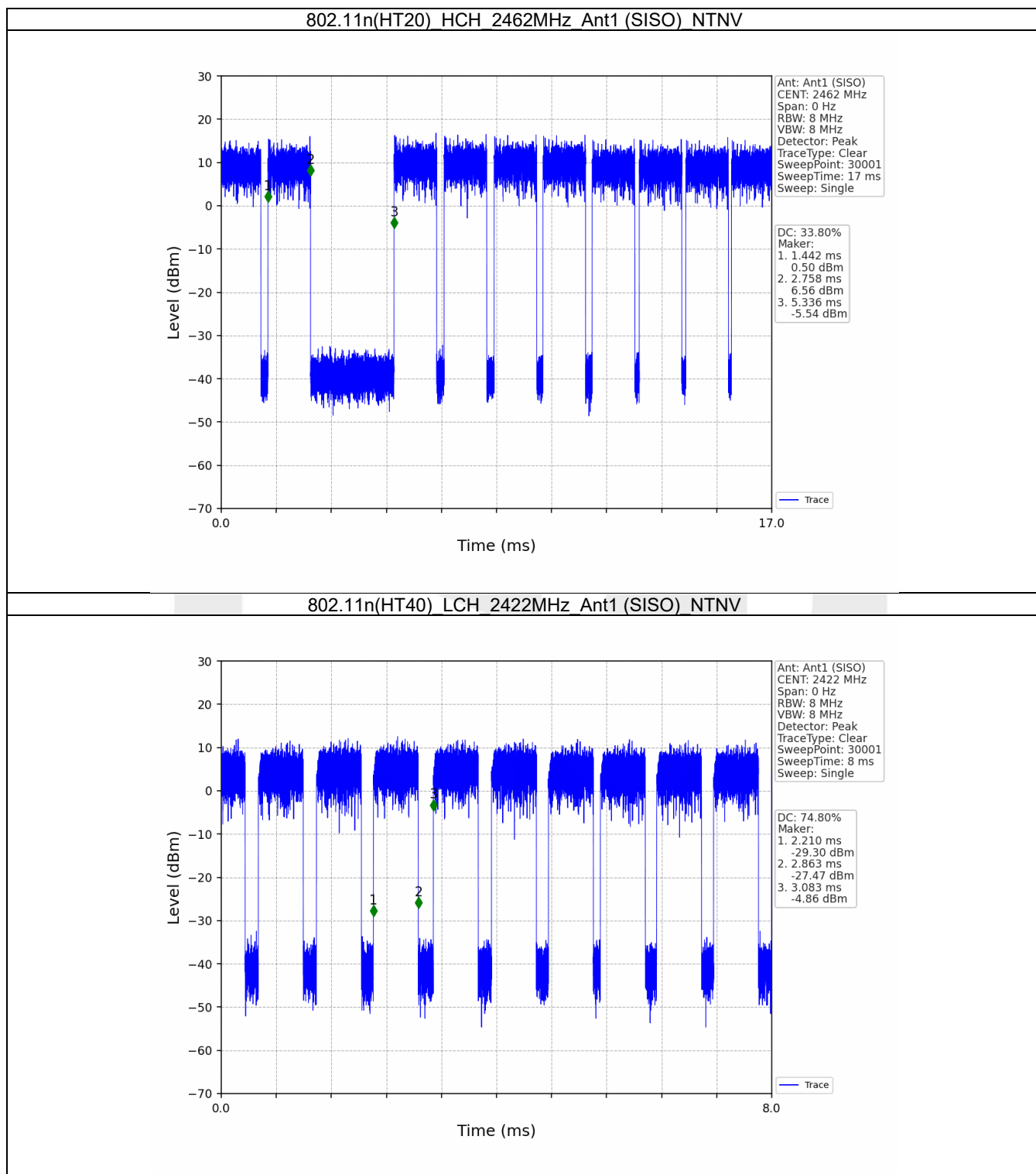
1.1.2 Test Graph

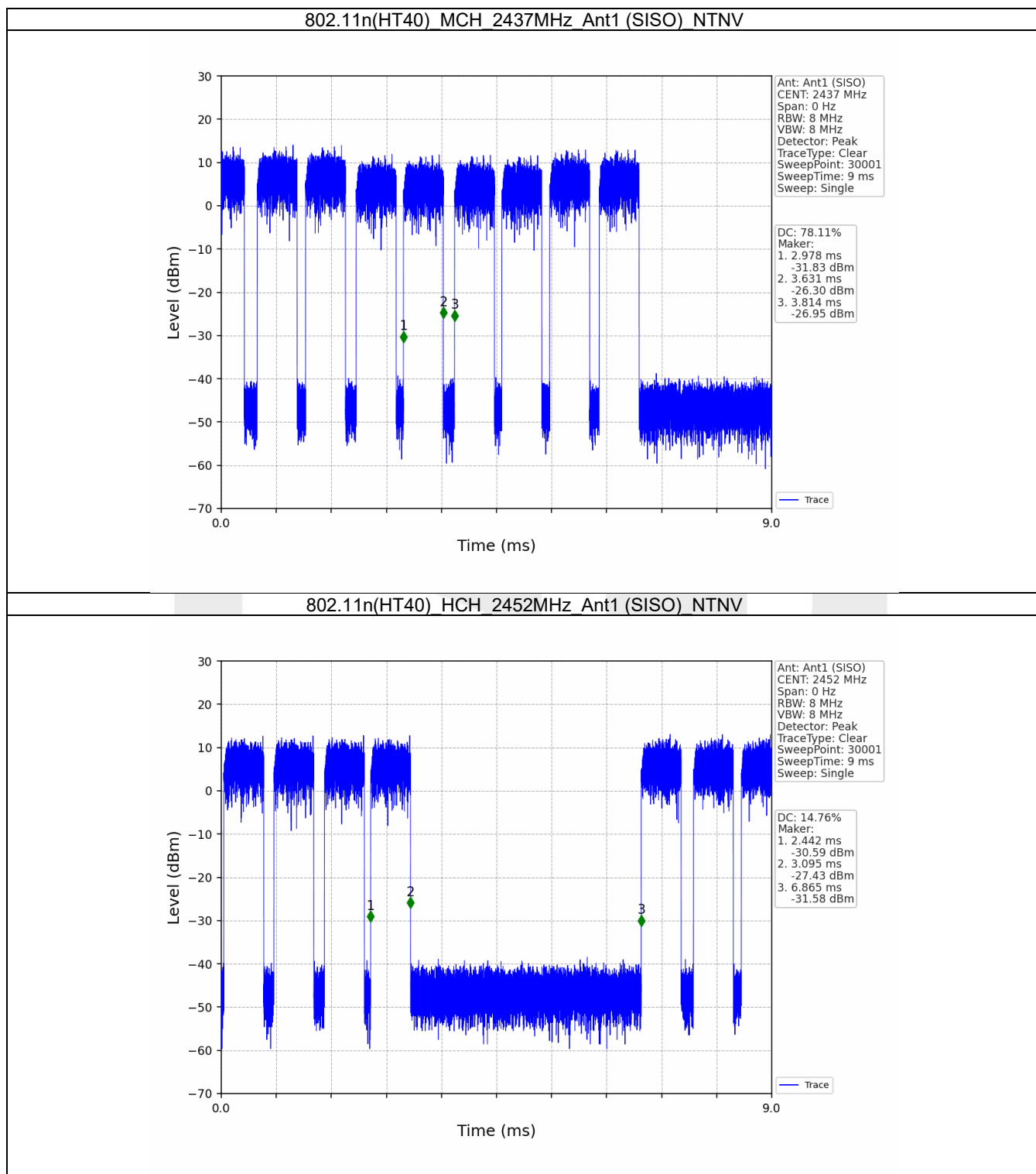












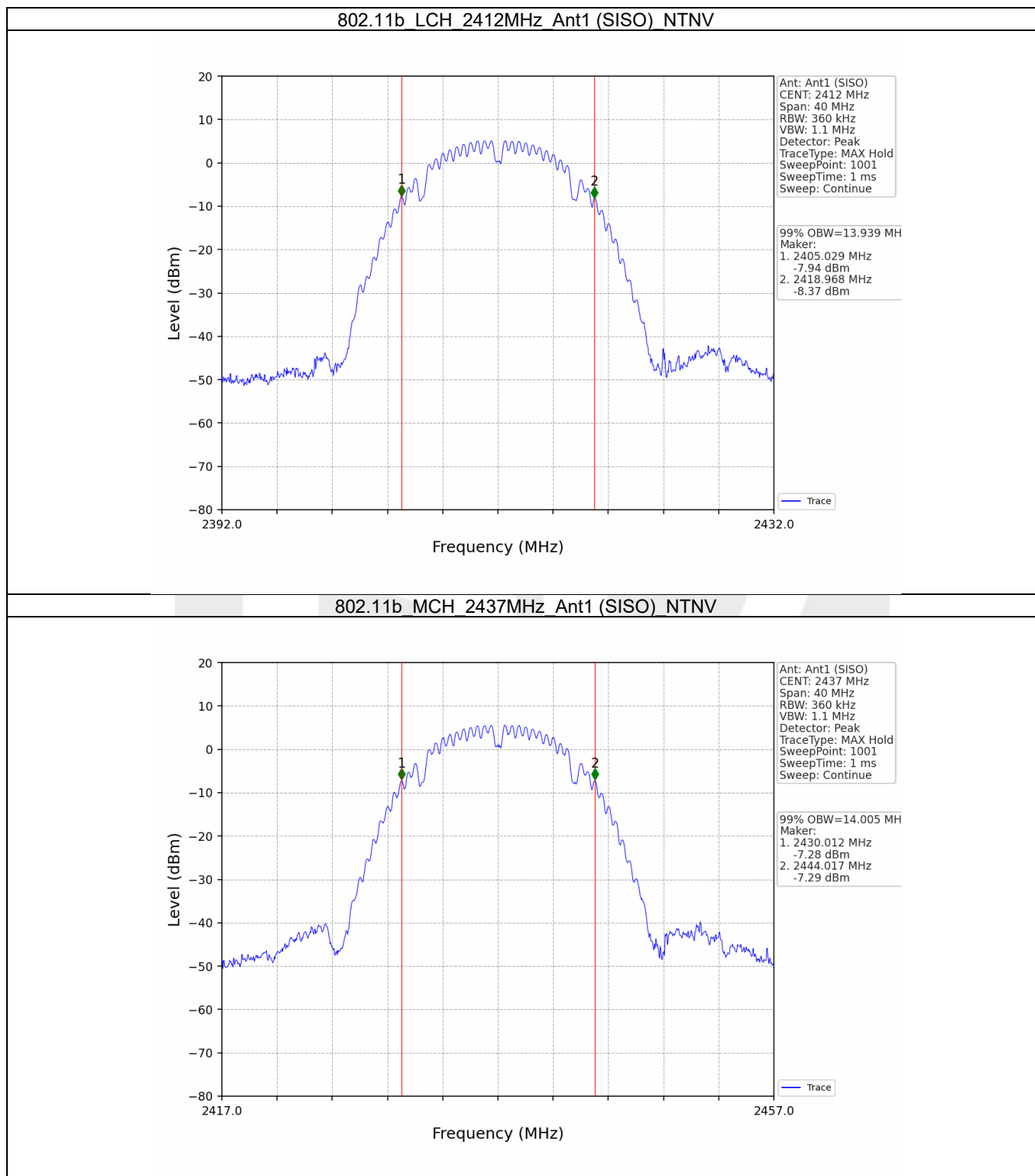
2. Bandwidth

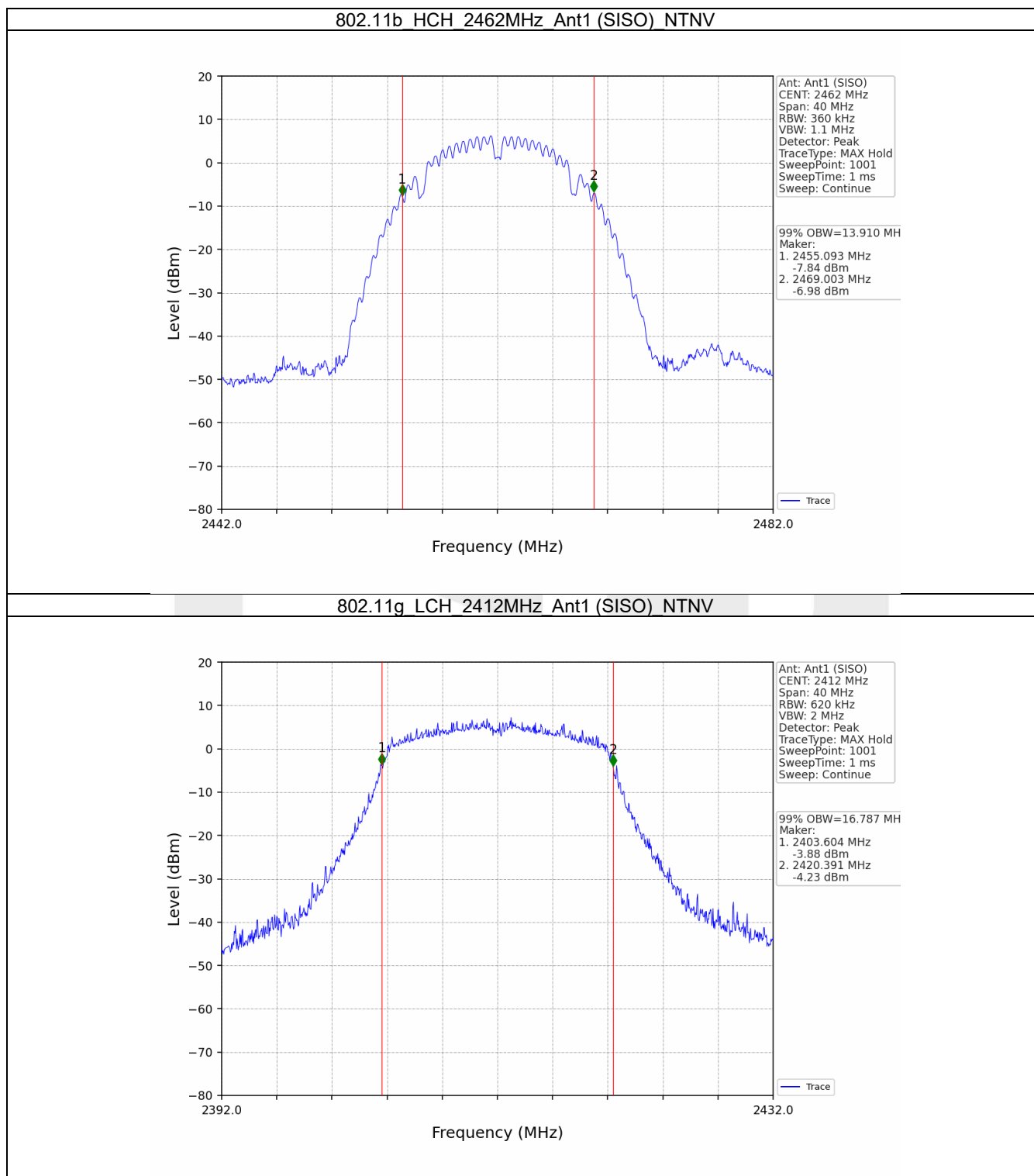
2.1 OBW

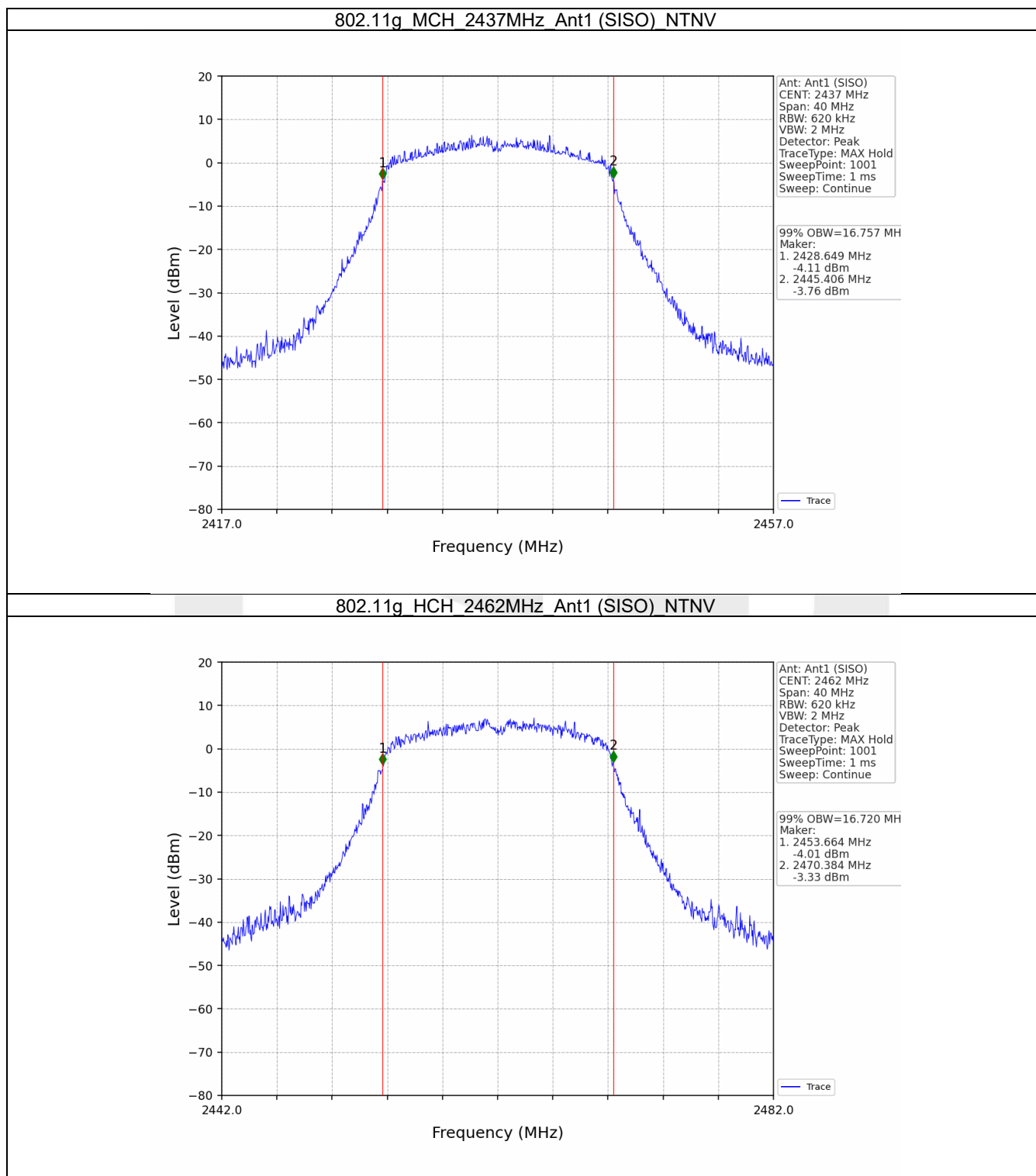
2.1.1 Test Result

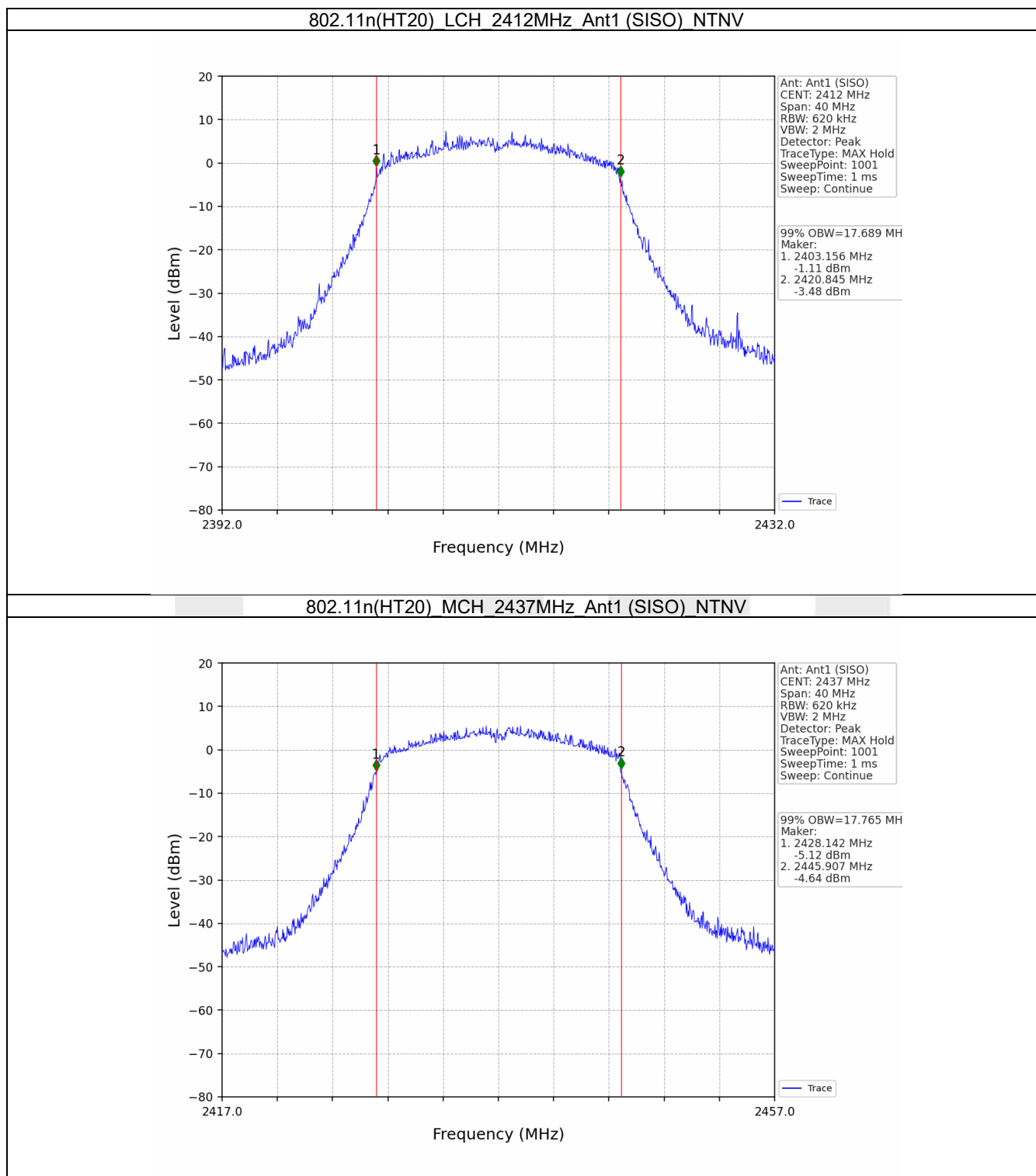
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.939	/	Pass
		2437	1	14.005	/	Pass
		2462	1	13.910	/	Pass
802.11g	SISO	2412	1	16.787	/	Pass
		2437	1	16.757	/	Pass
		2462	1	16.720	/	Pass
802.11n (HT20)	SISO	2412	1	17.689	/	Pass
		2437	1	17.765	/	Pass
		2462	1	17.779	/	Pass
802.11n (HT40)	SISO	2422	1	35.492	/	Pass
		2437	1	35.317	/	Pass
		2452	1	35.372	/	Pass

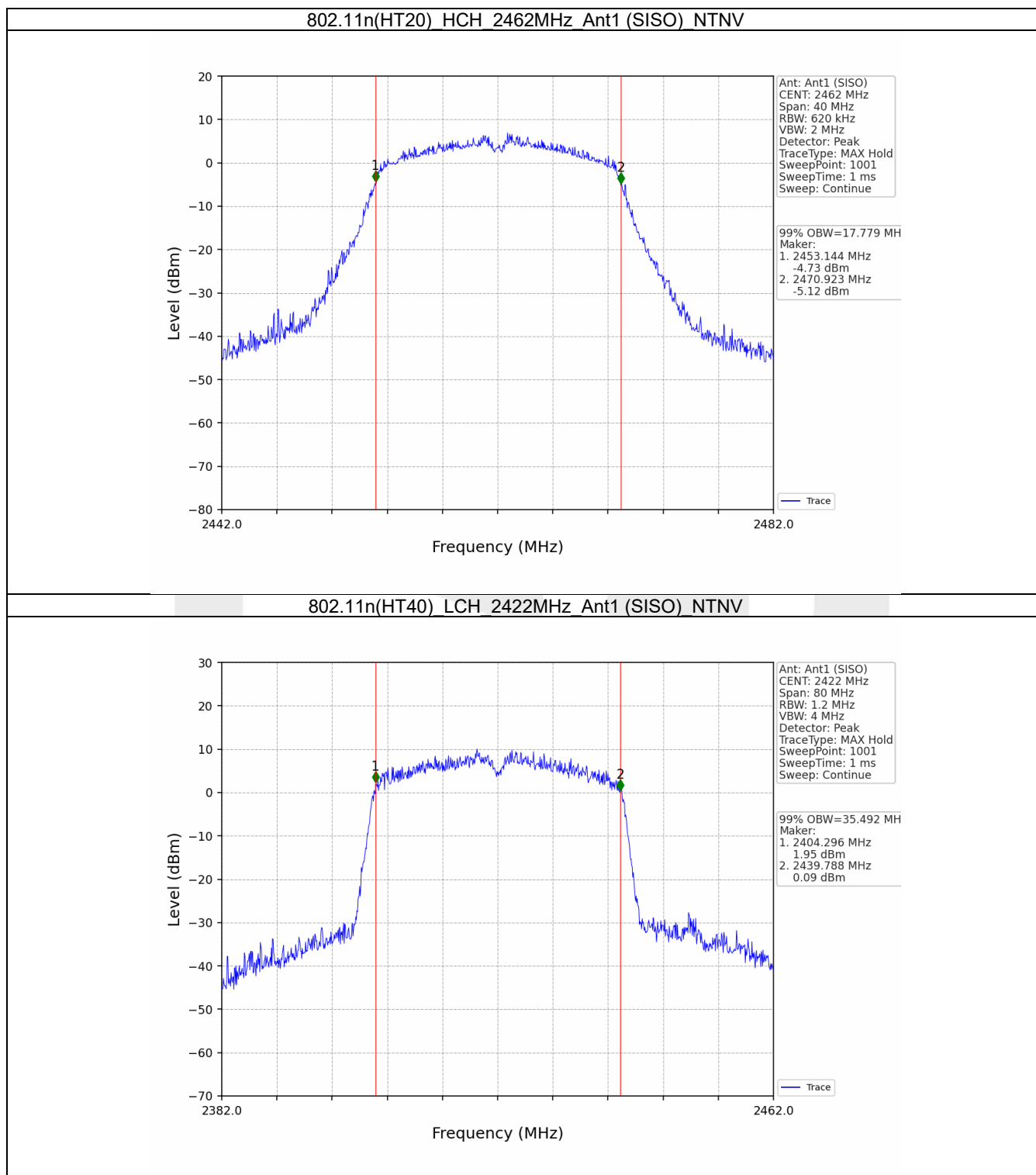
2.1.2 Test Graph

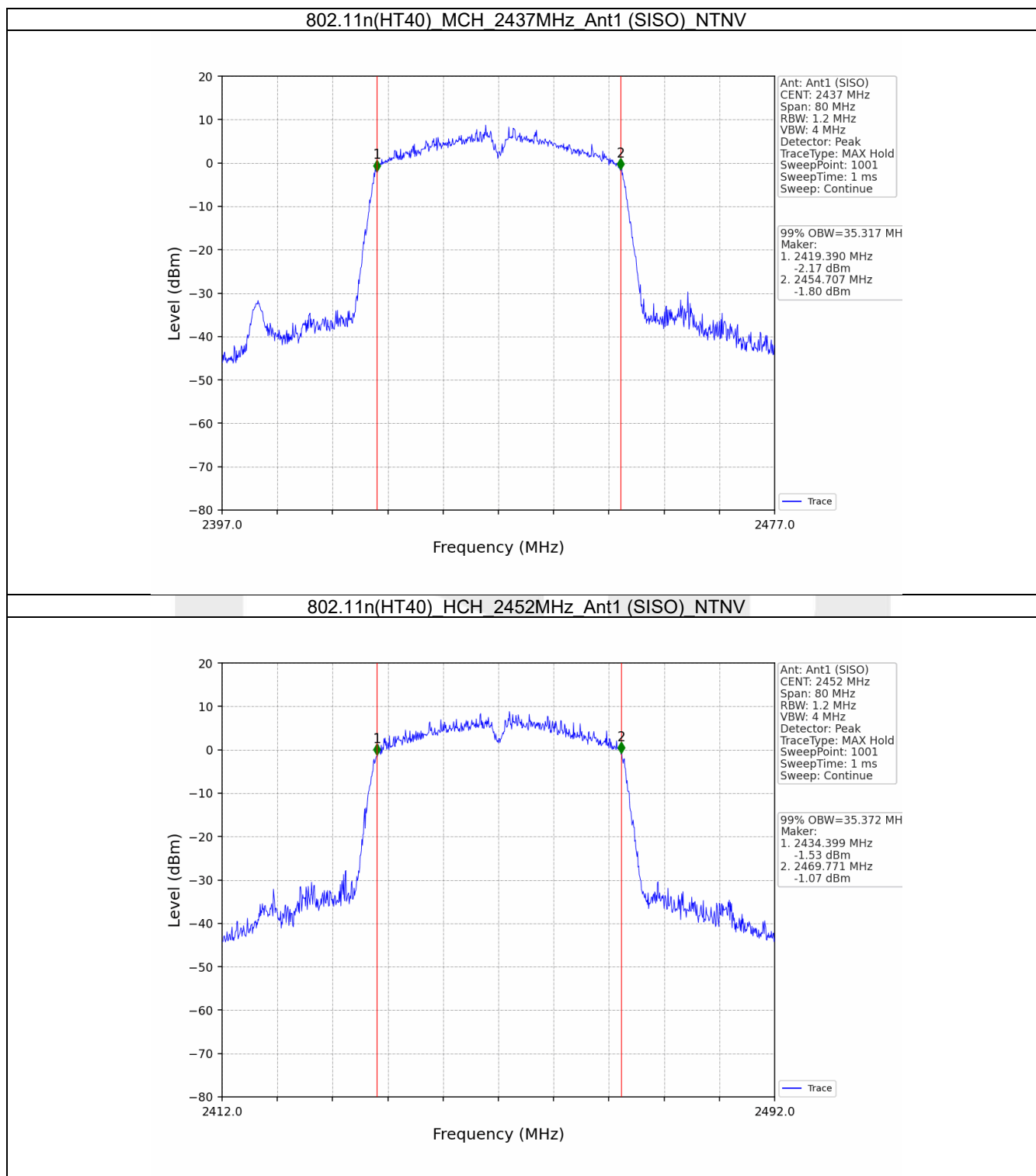










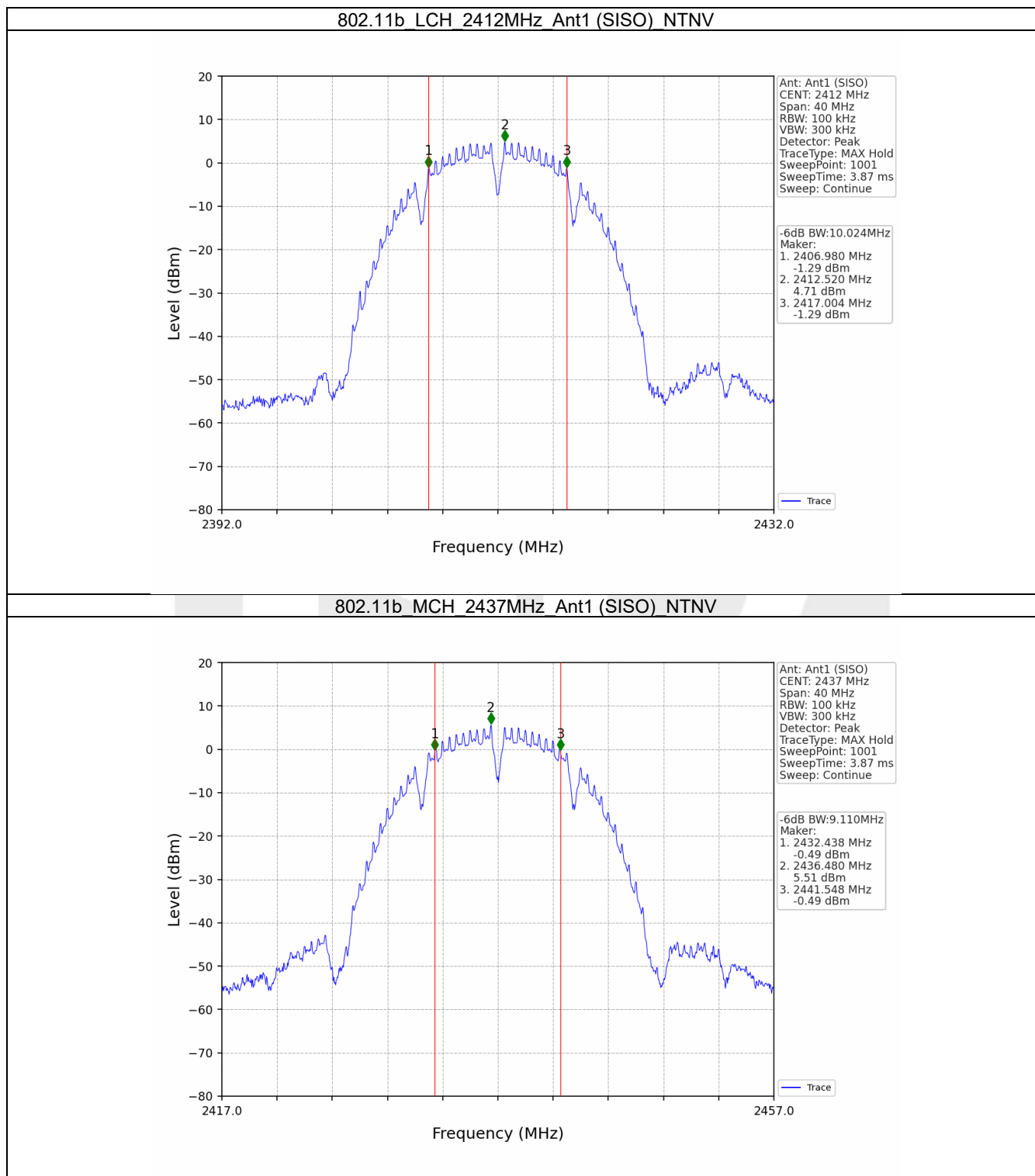


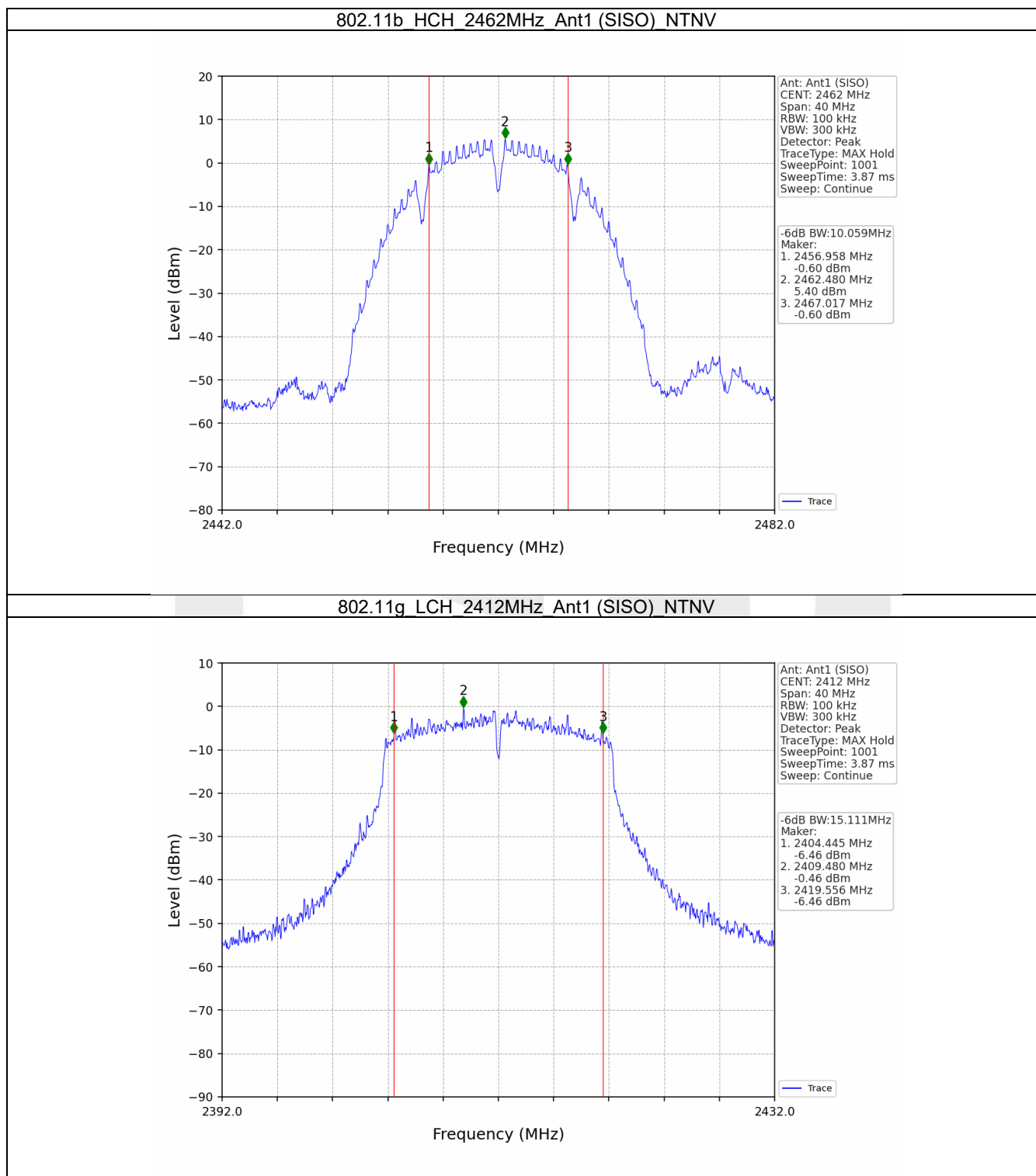
2.2 6dB BW

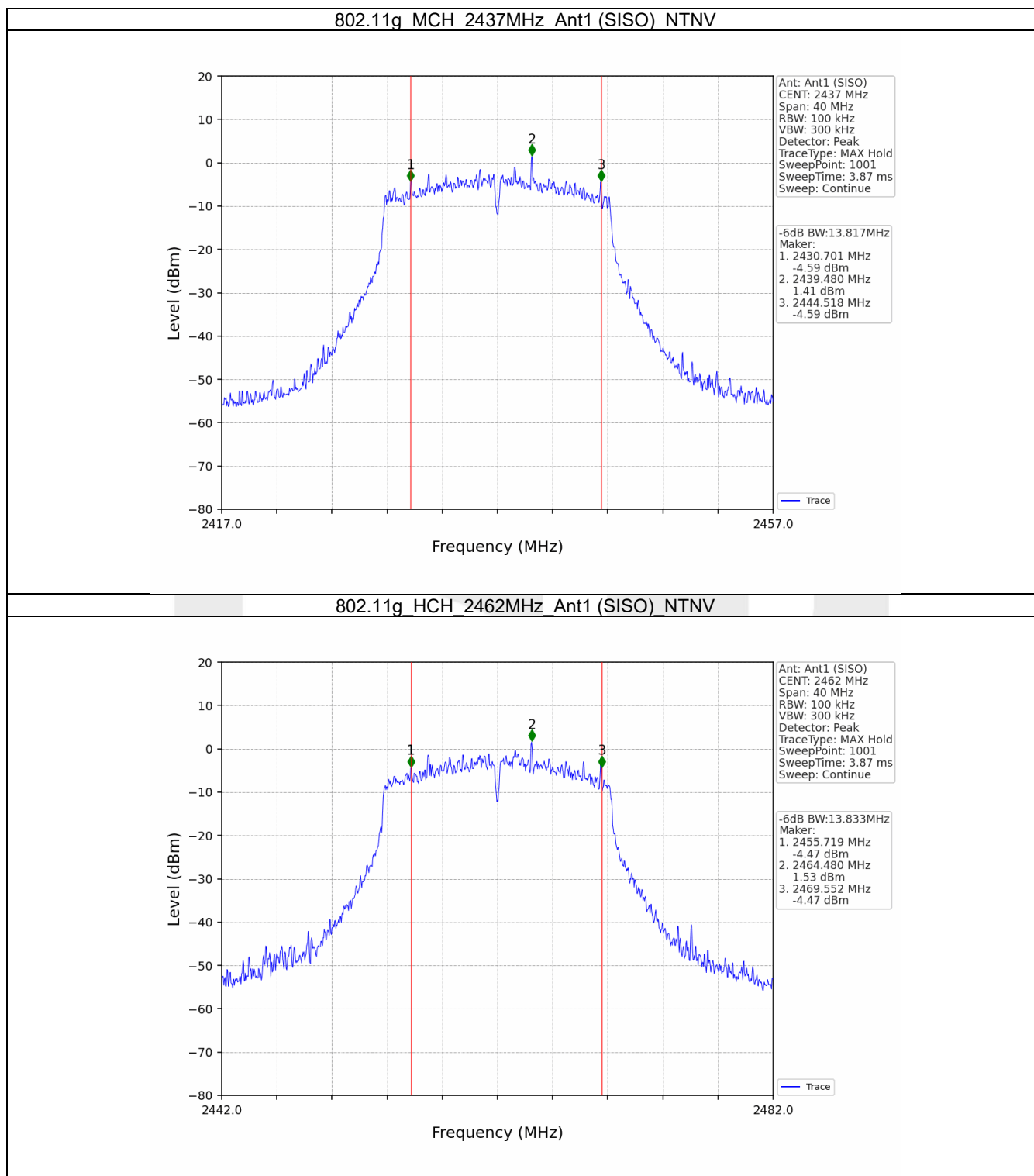
2.2.1 Test Result

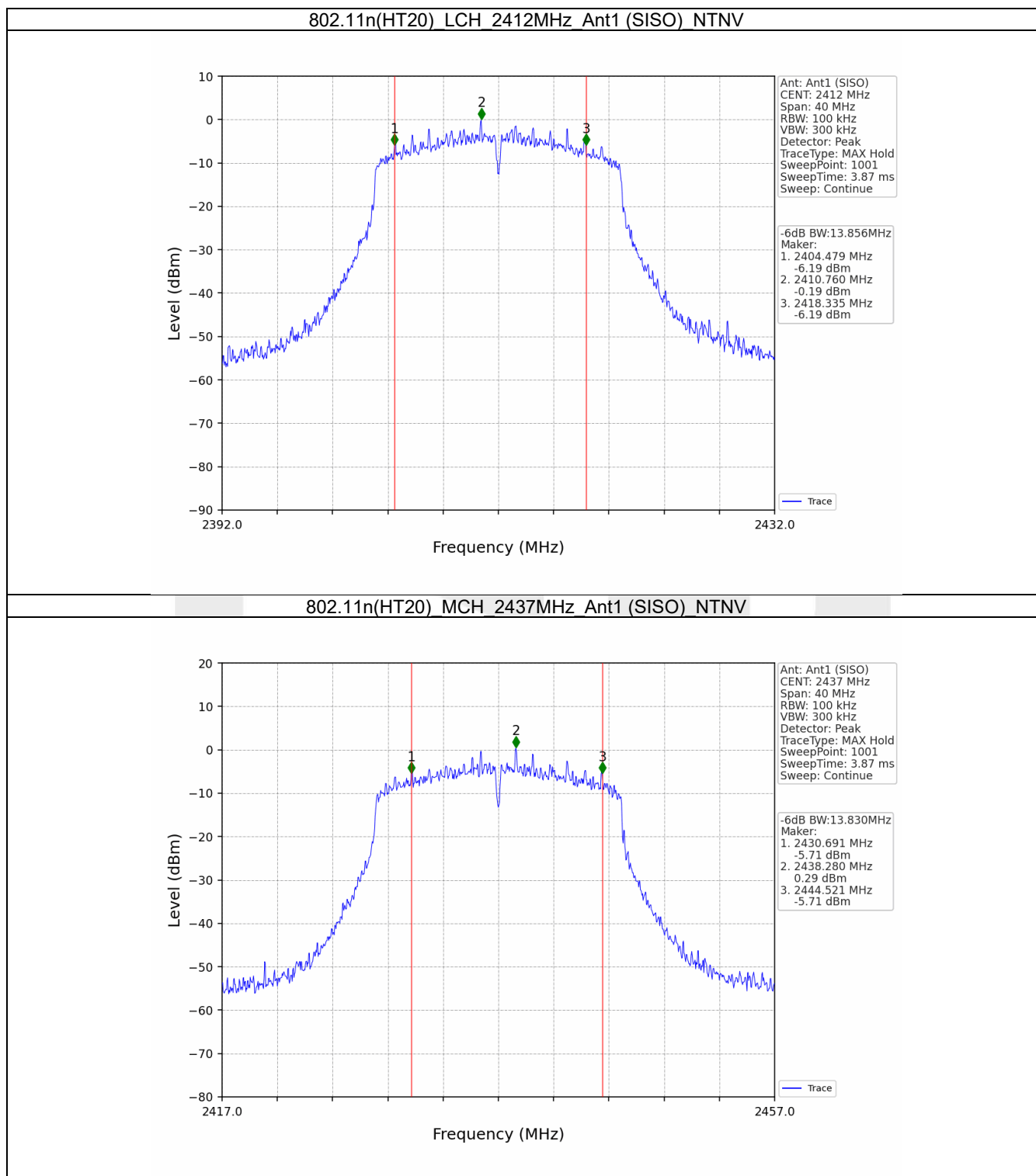
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.024	≥ 0.5	Pass
		2437	1	9.110	≥ 0.5	Pass
		2462	1	10.059	≥ 0.5	Pass
802.11g	SISO	2412	1	15.111	≥ 0.5	Pass
		2437	1	13.817	≥ 0.5	Pass
		2462	1	13.833	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	13.856	≥ 0.5	Pass
		2437	1	13.830	≥ 0.5	Pass
		2462	1	15.138	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	31.479	≥ 0.5	Pass
		2437	1	32.522	≥ 0.5	Pass
		2452	1	32.534	≥ 0.5	Pass

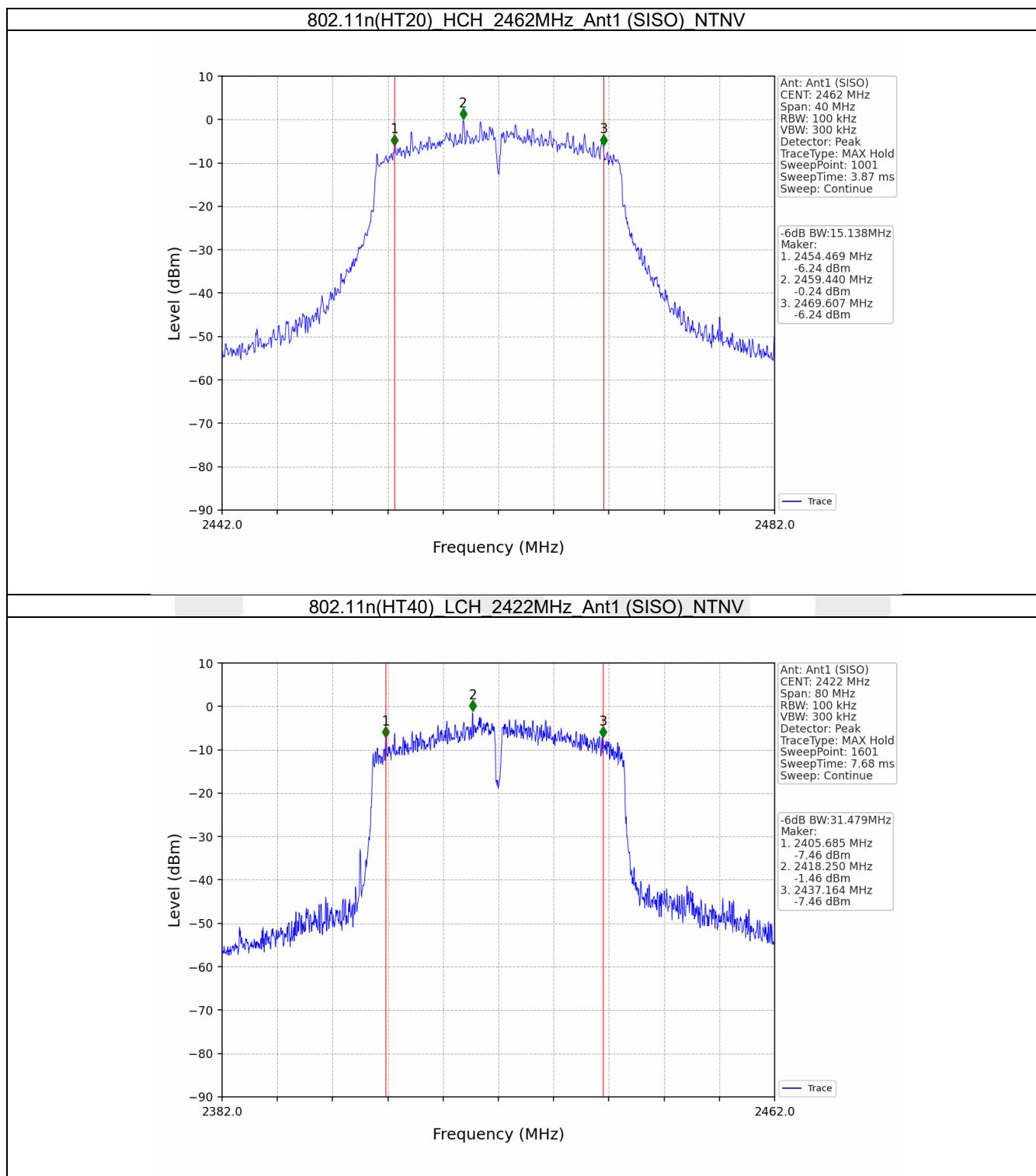
2.2.2 Test Graph

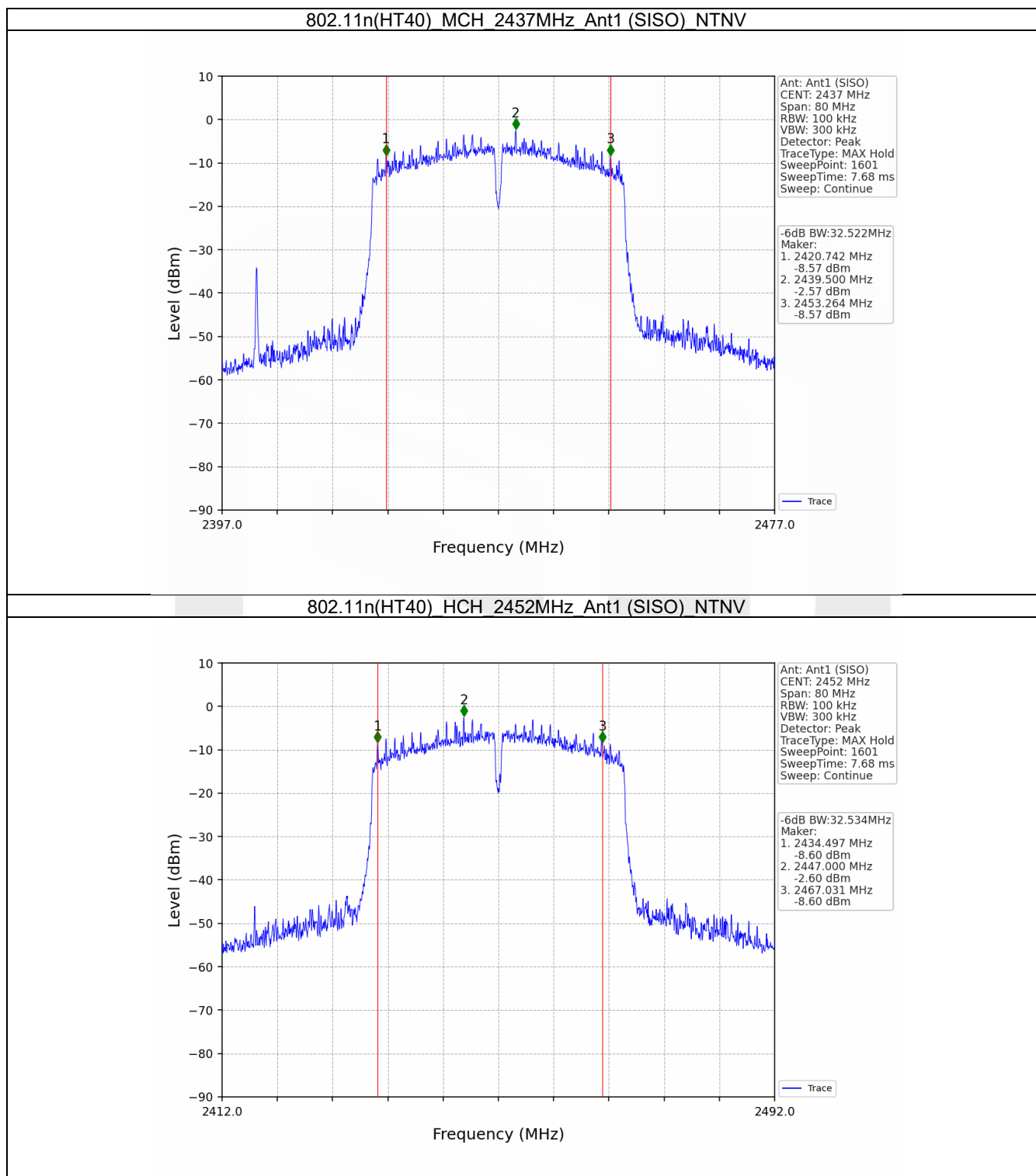












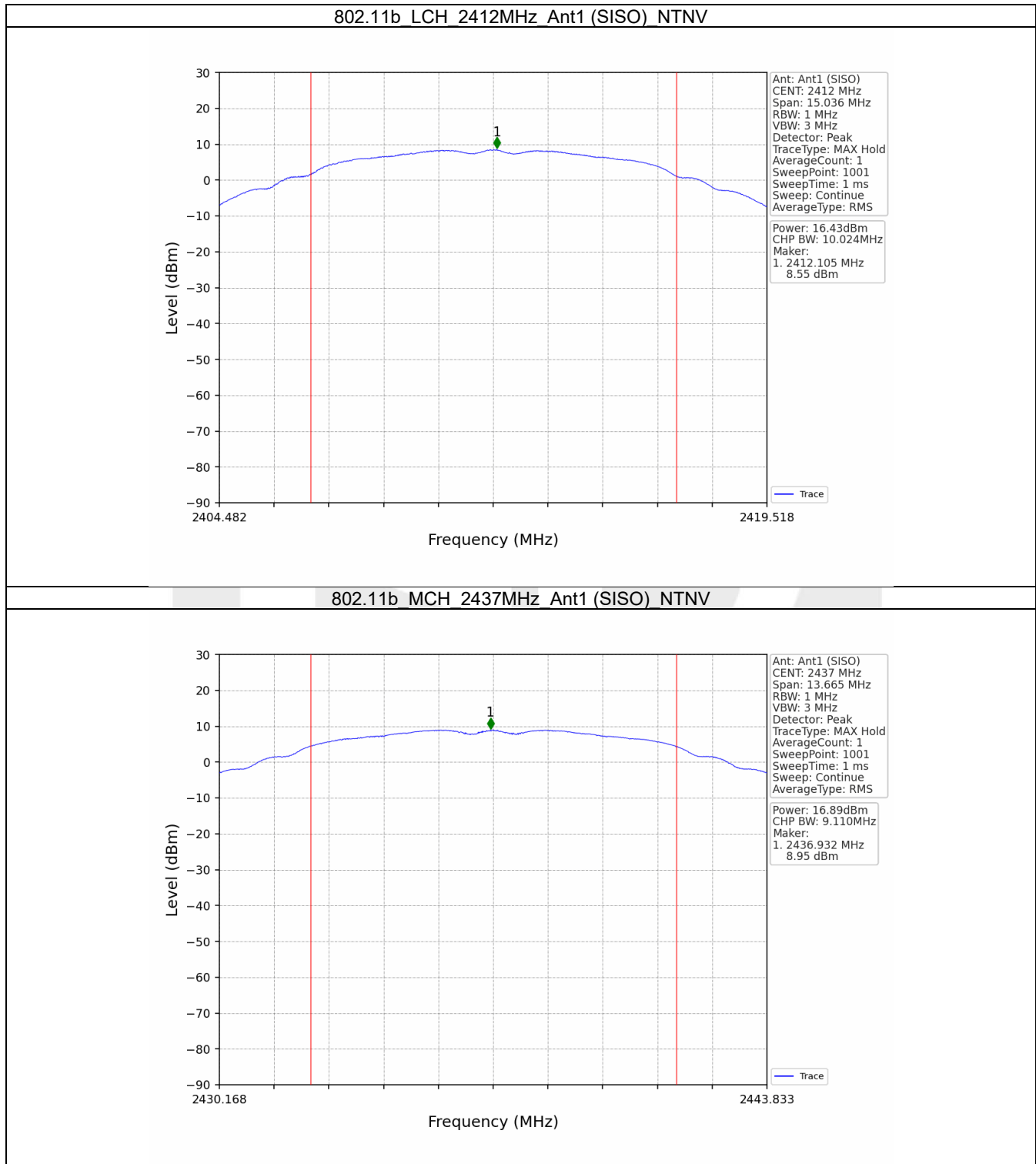
3. Maximum Conducted Output Power

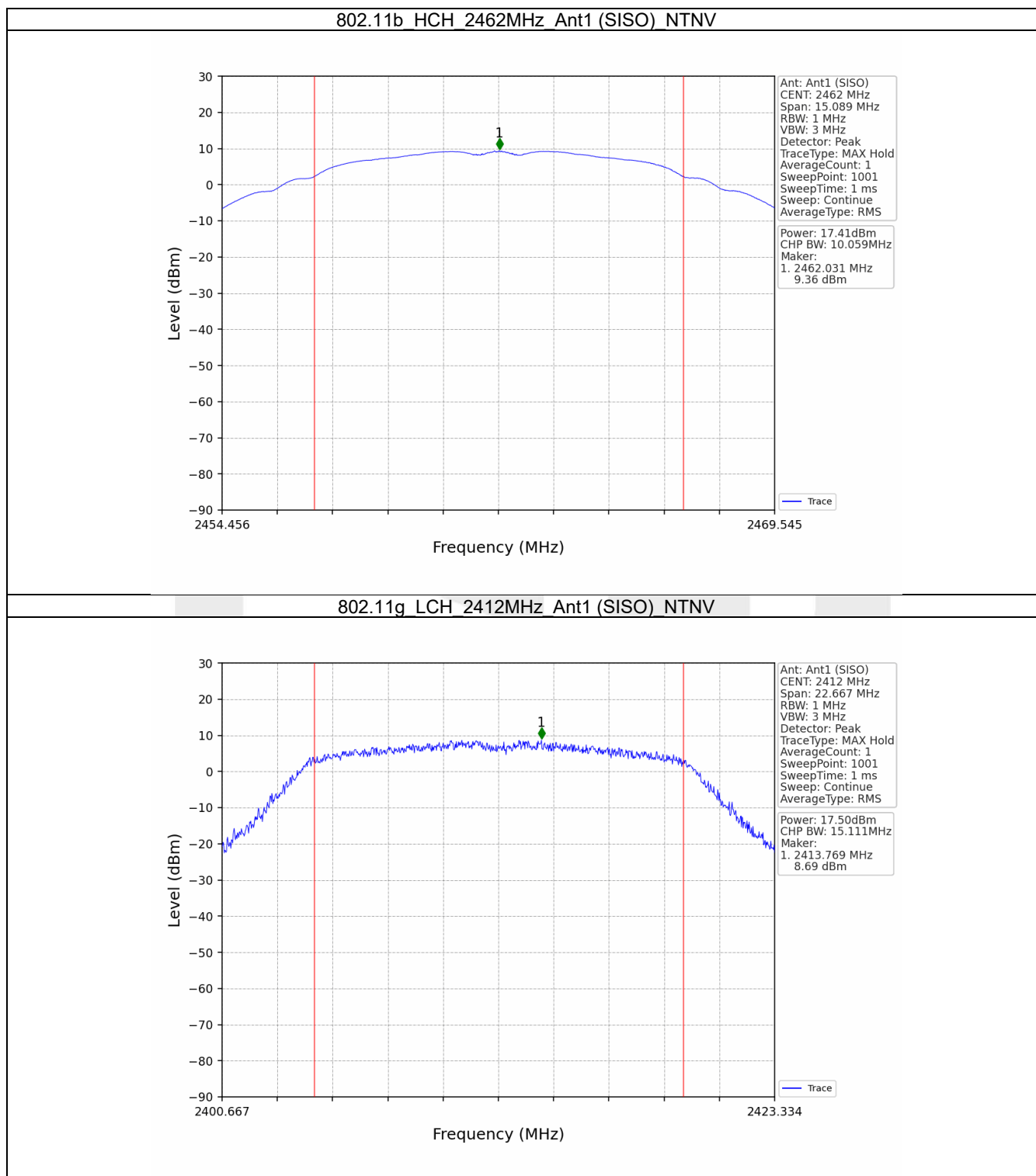
3.1 Power

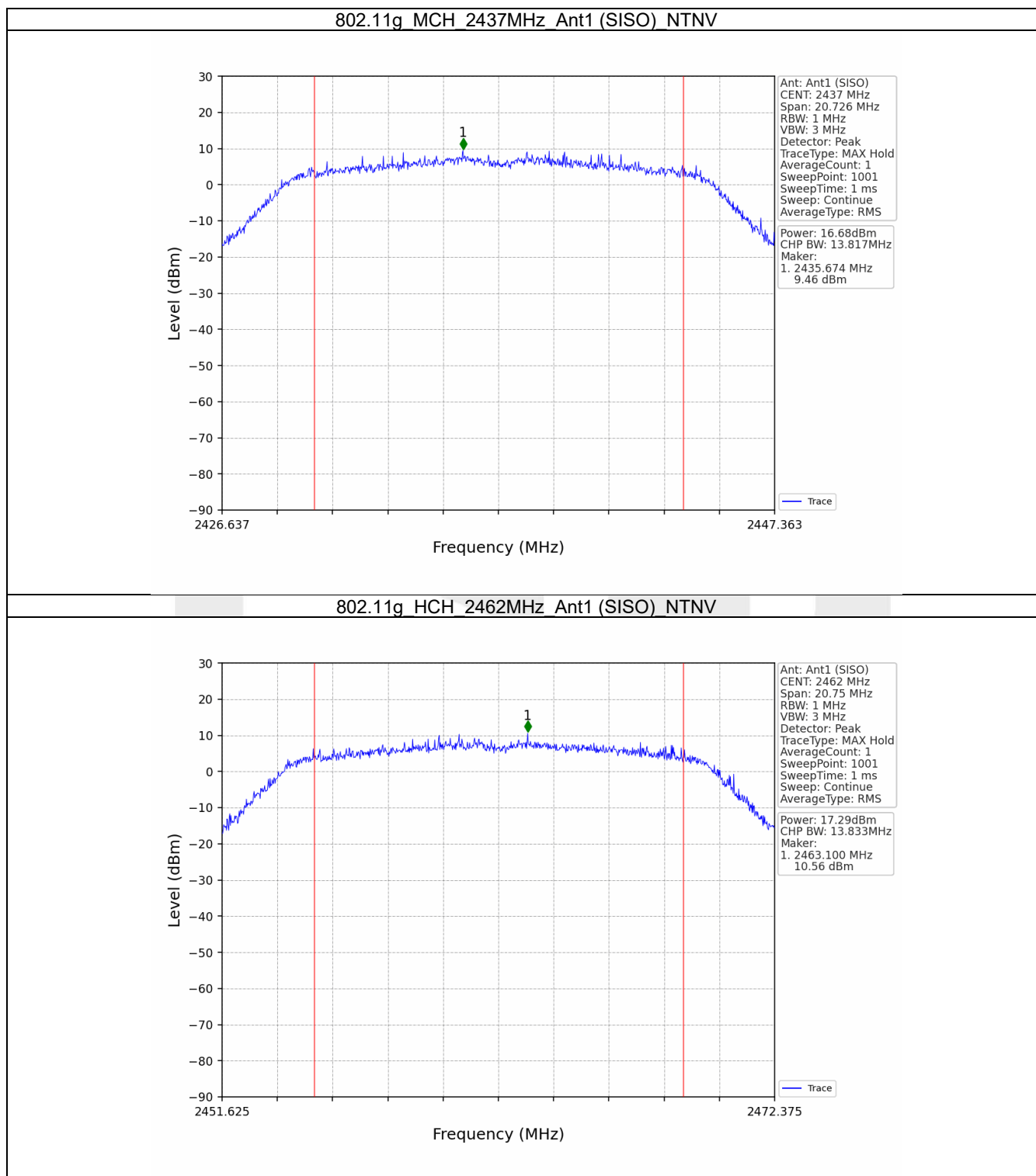
3.1.1 Test Result

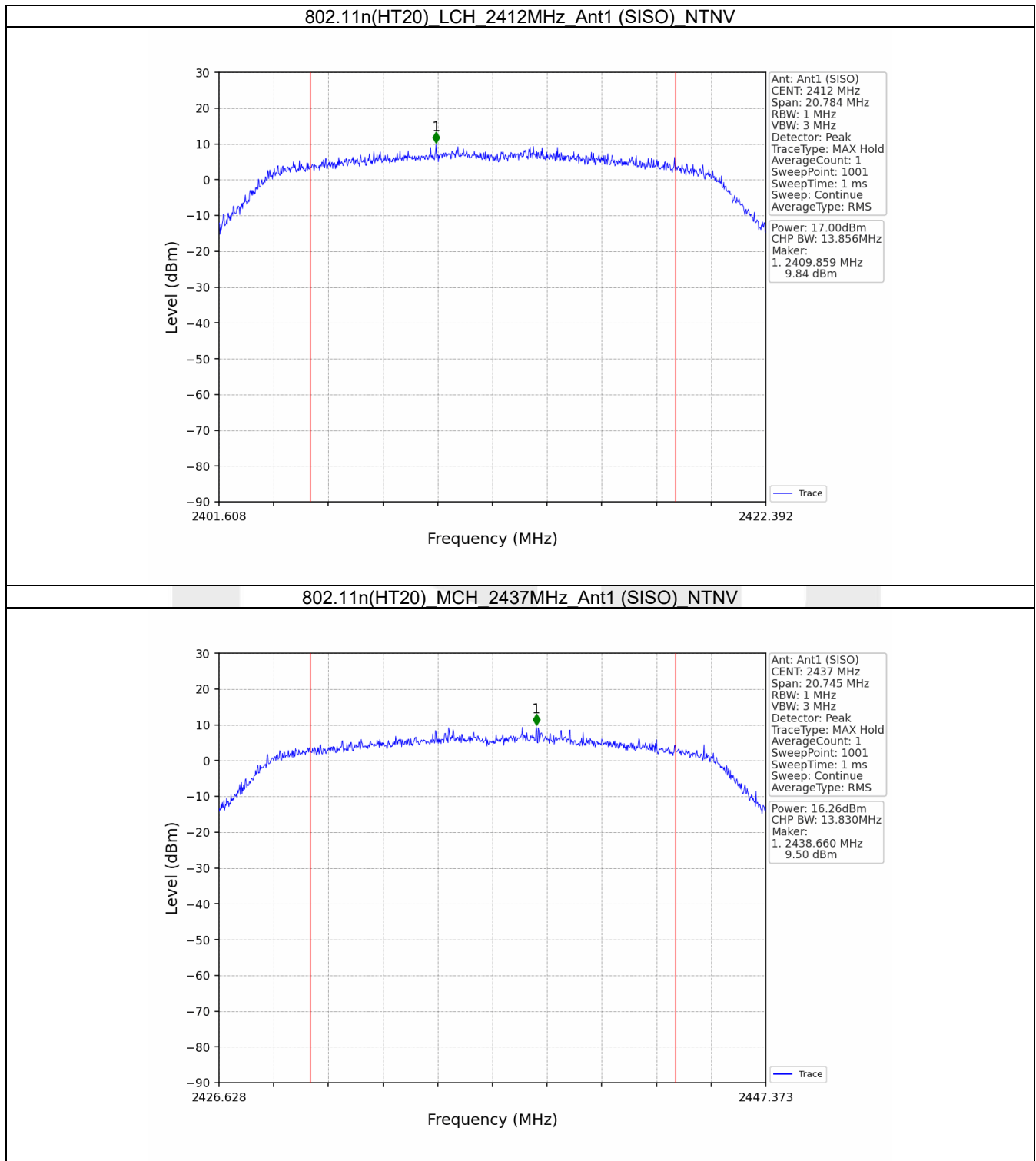
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	16.43	<=30	Pass
		2437	16.89	<=30	Pass
		2462	17.41	<=30	Pass
802.11g	SISO	2412	17.50	<=30	Pass
		2437	16.68	<=30	Pass
		2462	17.29	<=30	Pass
802.11n (HT20)	SISO	2412	17.00	<=30	Pass
		2437	16.26	<=30	Pass
		2462	16.94	<=30	Pass
802.11n (HT40)	SISO	2422	18.88	<=30	Pass
		2437	17.21	<=30	Pass
		2452	17.60	<=30	Pass

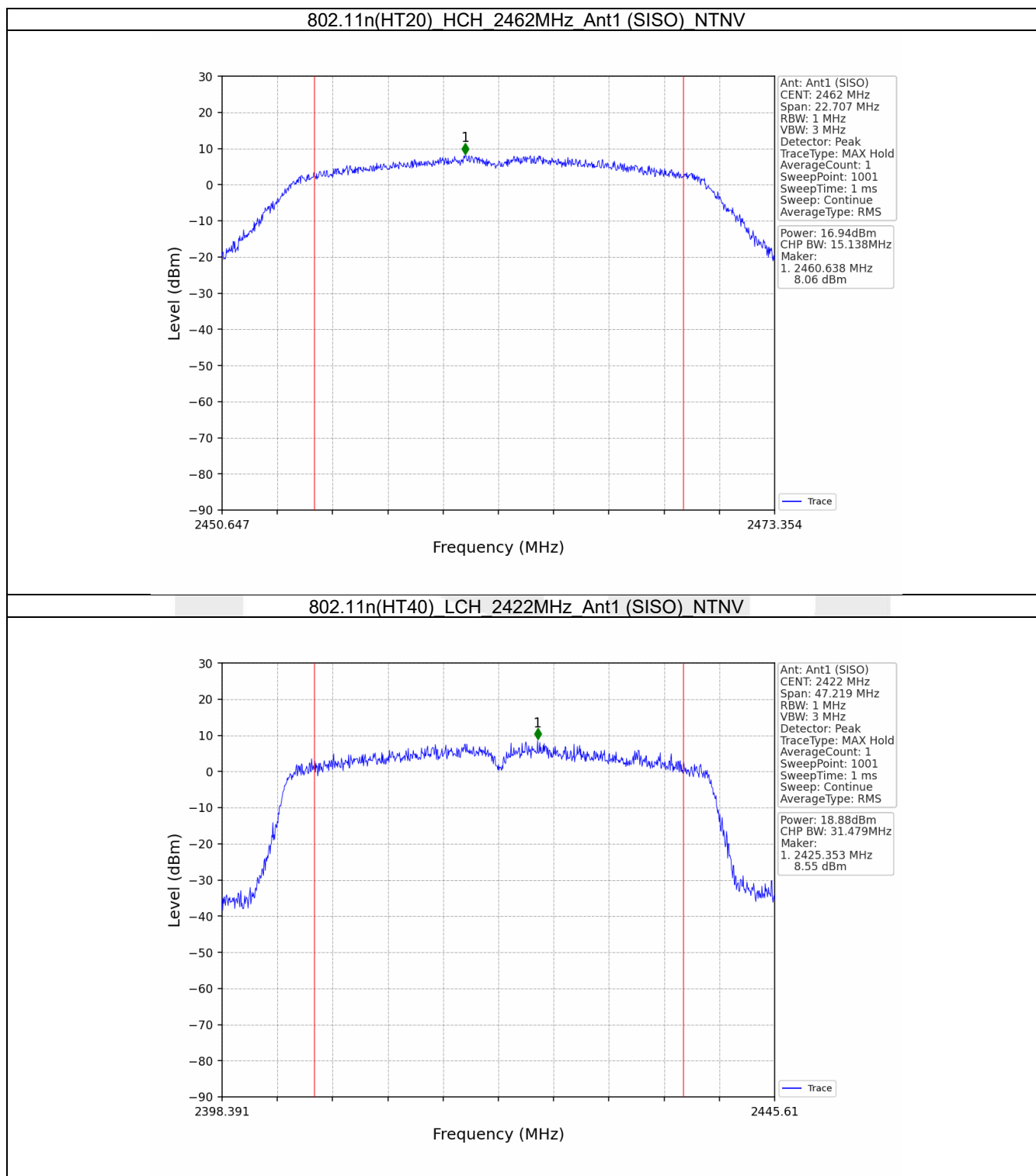
3.1.2 Test Graph

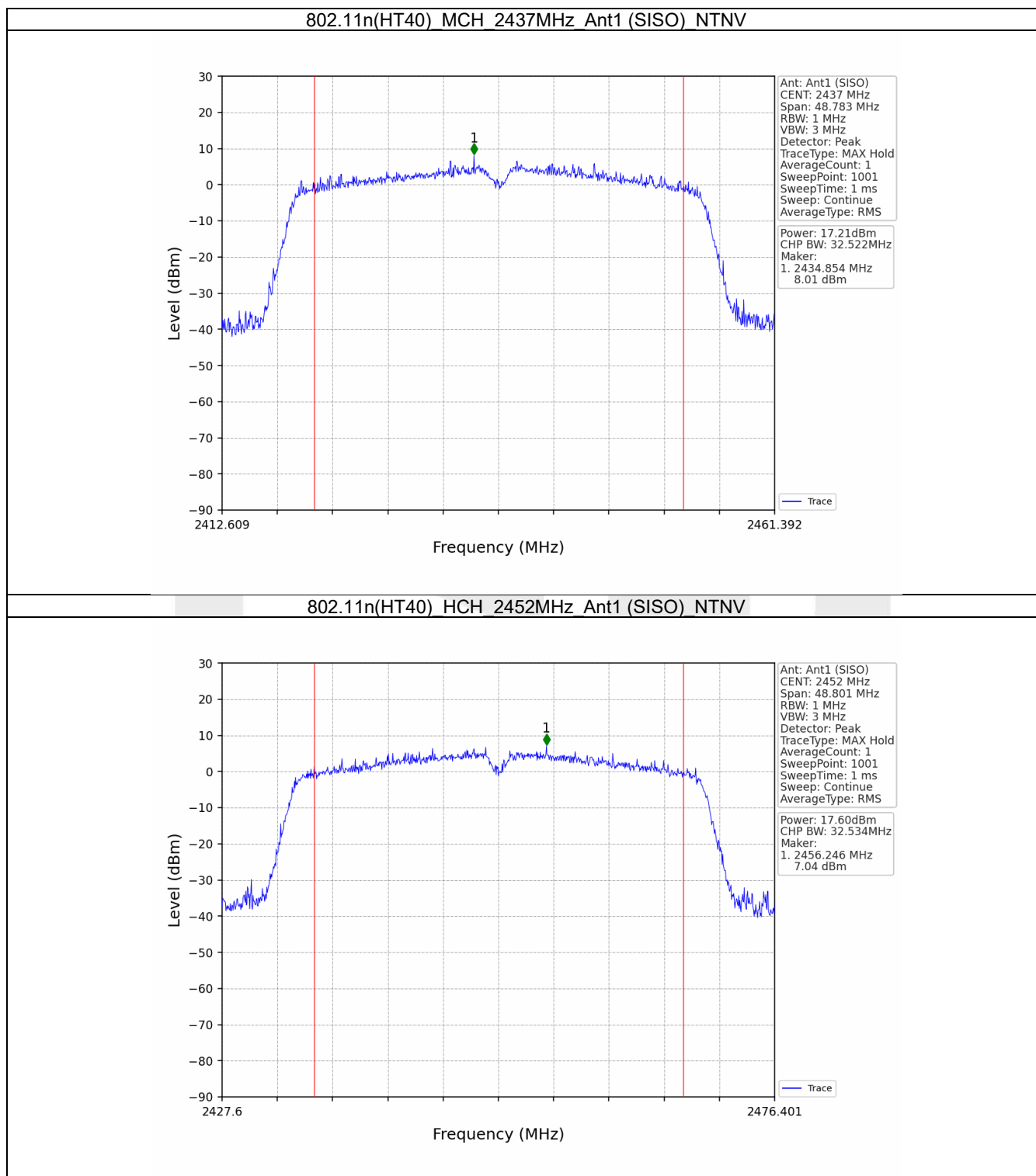












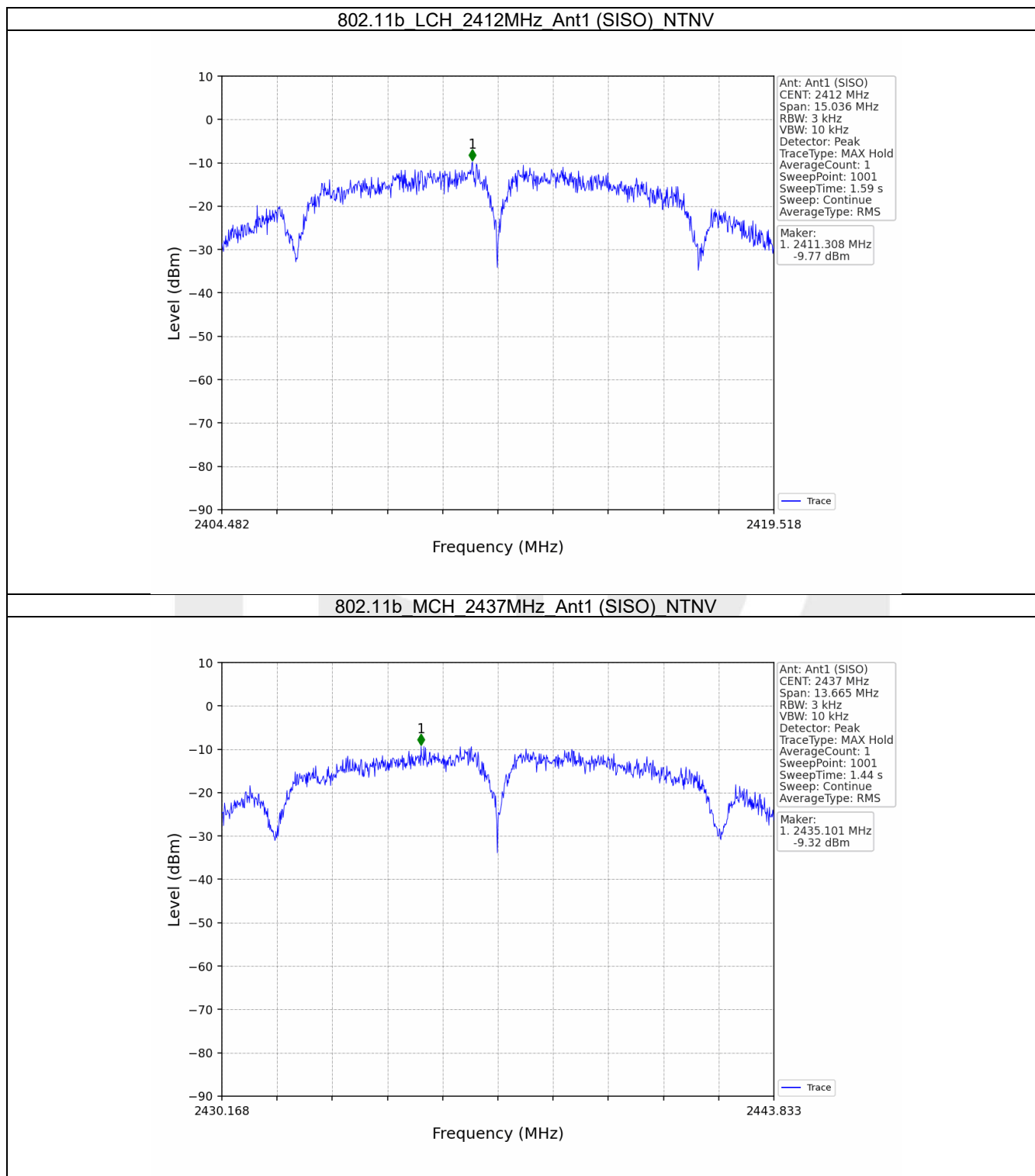
4. Maximum Power Spectral Density

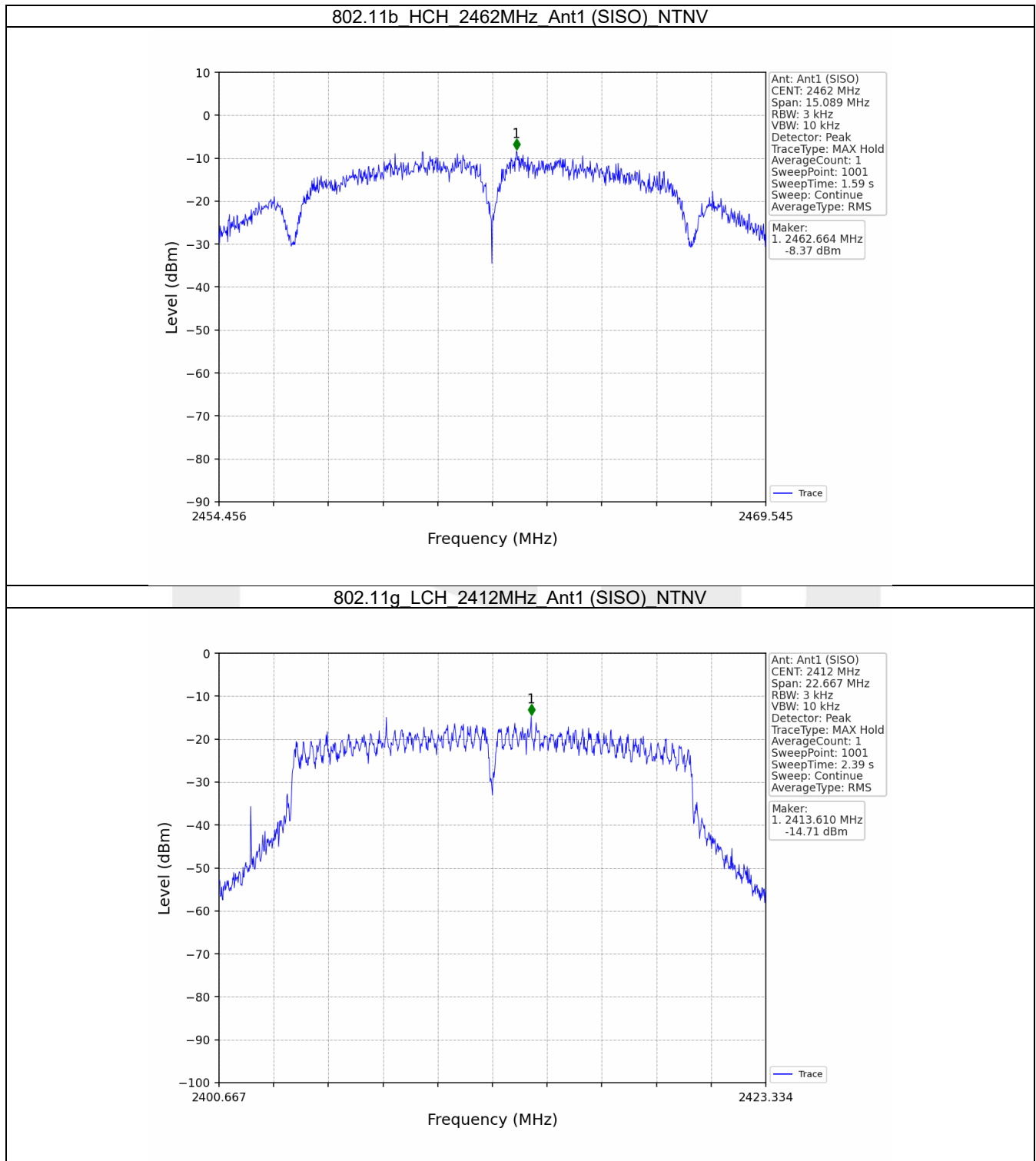
4.1 PSD

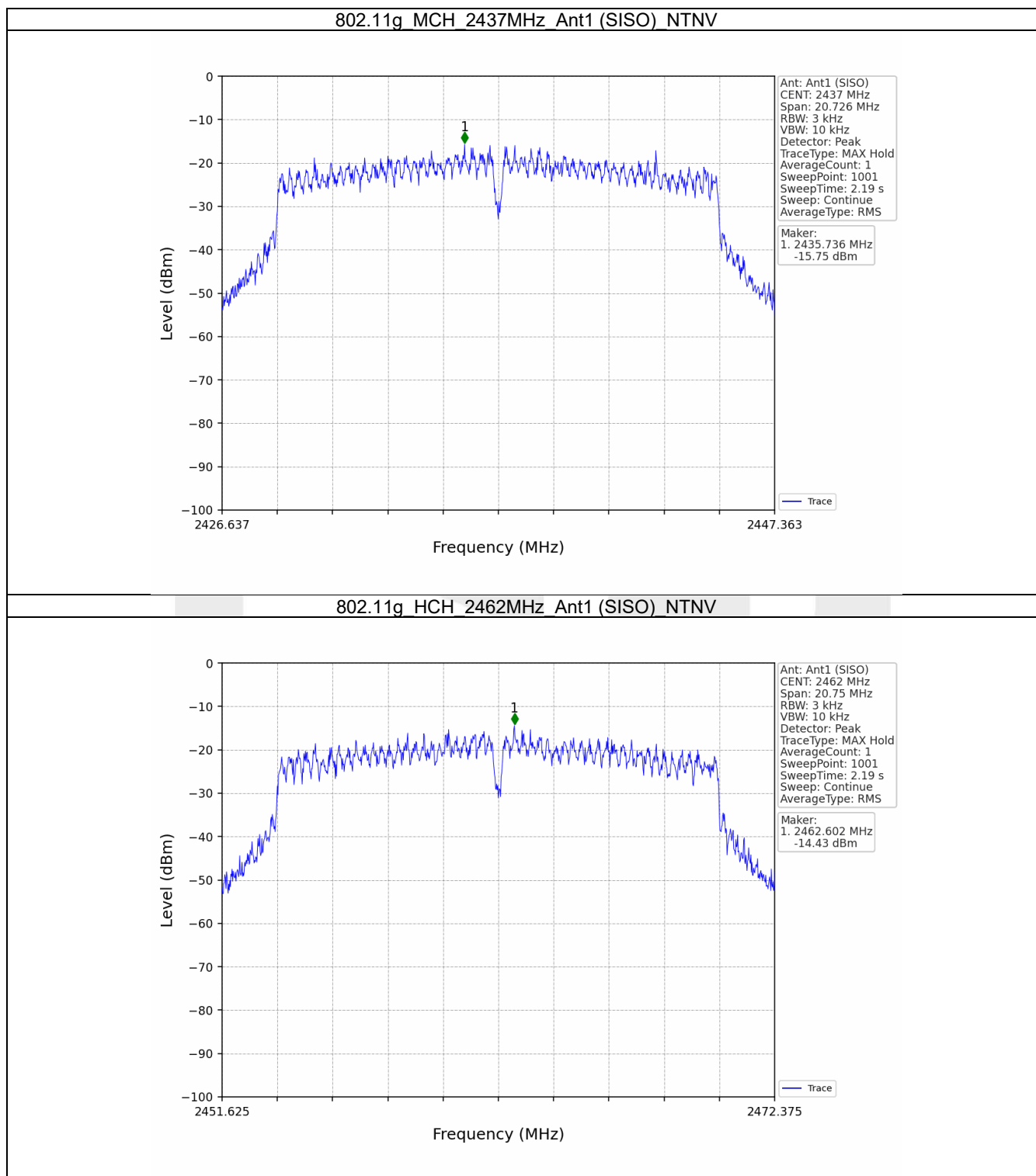
4.1.1 Test Result

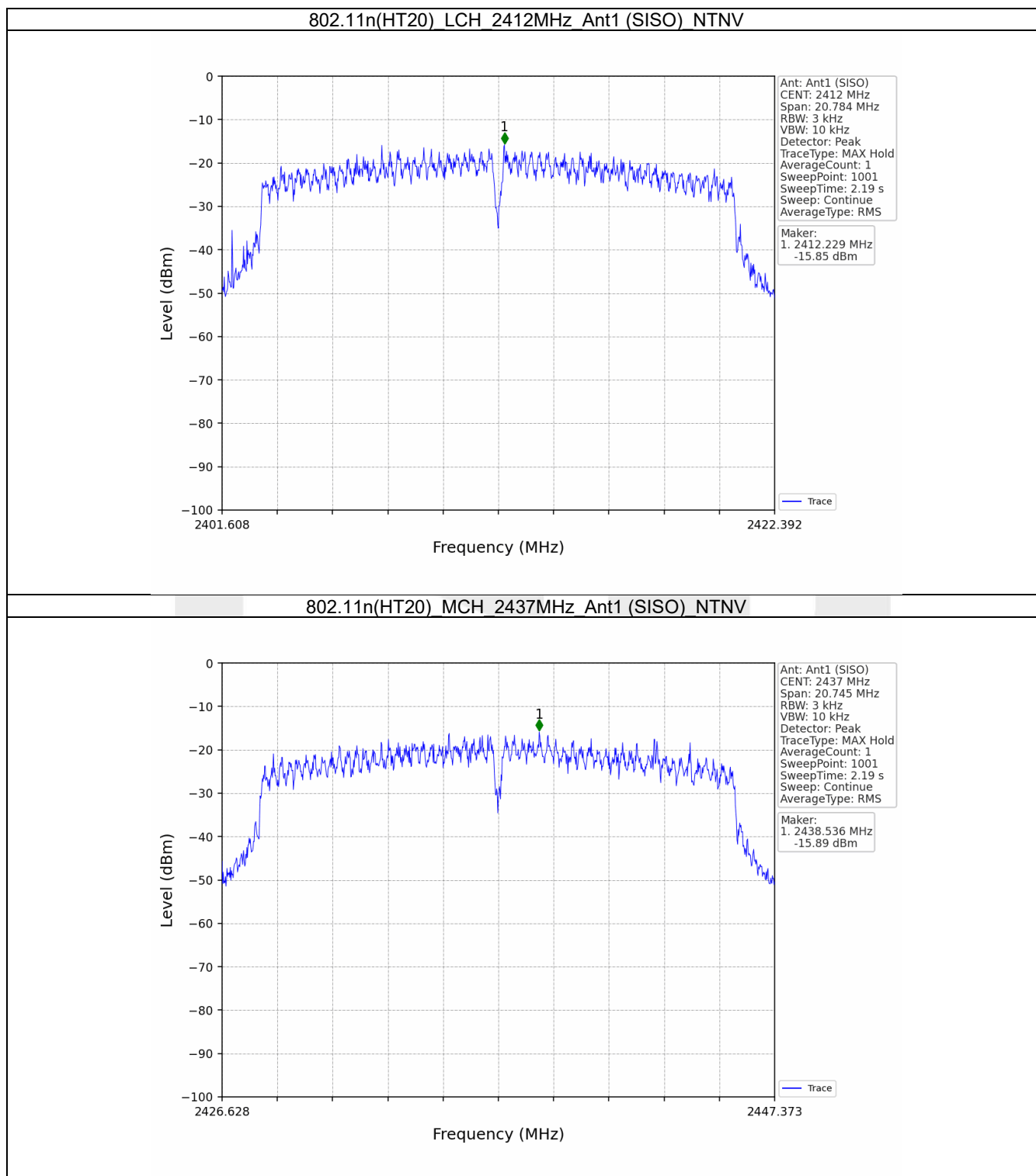
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-9.77	<=8	Pass
		2437	-9.32	<=8	Pass
		2462	-8.37	<=8	Pass
802.11g	SISO	2412	-14.71	<=8	Pass
		2437	-15.75	<=8	Pass
		2462	-14.43	<=8	Pass
802.11n (HT20)	SISO	2412	-15.85	<=8	Pass
		2437	-15.89	<=8	Pass
		2462	-14.26	<=8	Pass
802.11n (HT40)	SISO	2422	-17.46	<=8	Pass
		2437	-18.47	<=8	Pass
		2452	-16.63	<=8	Pass

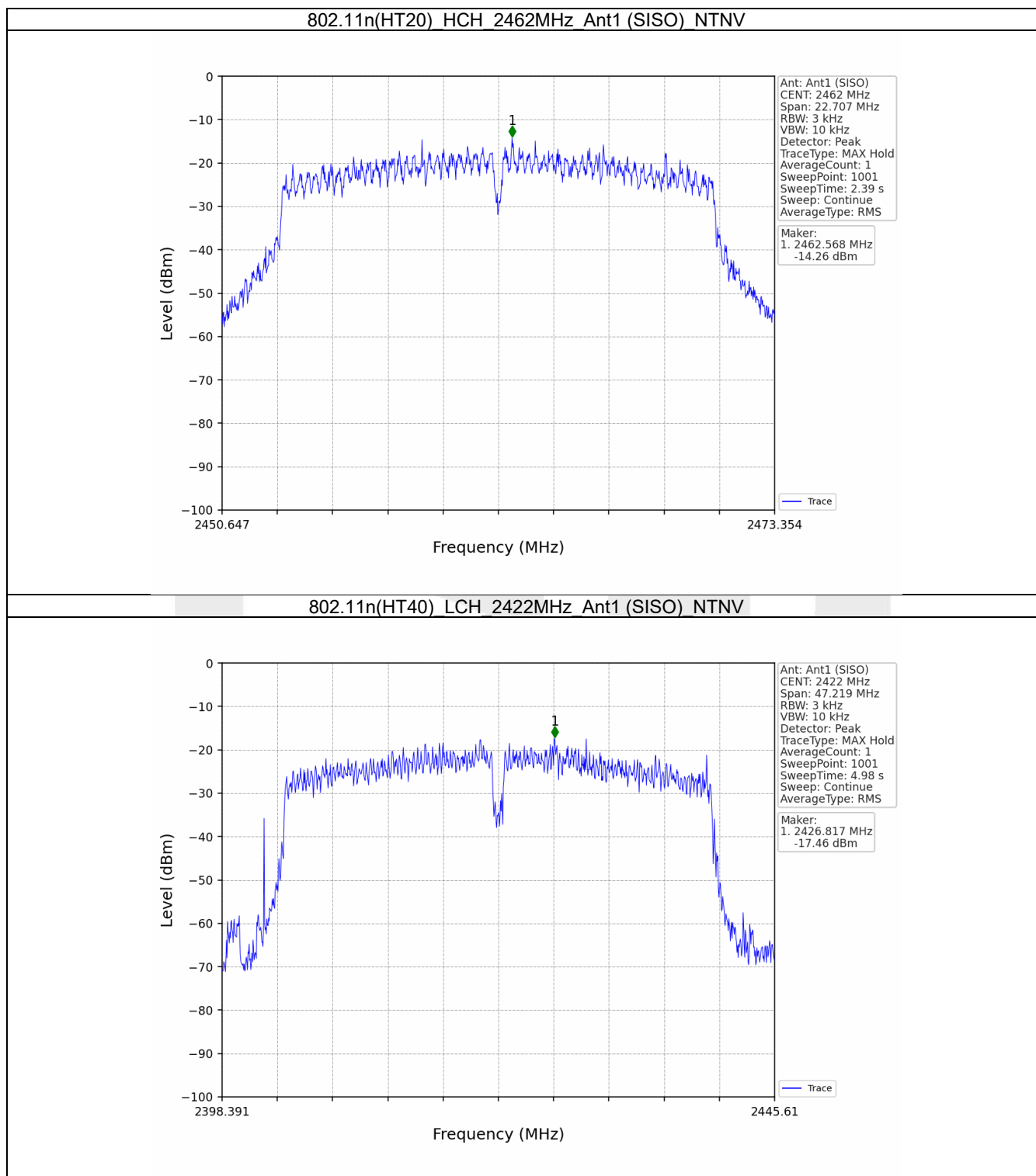
4.1.2 Test Graph

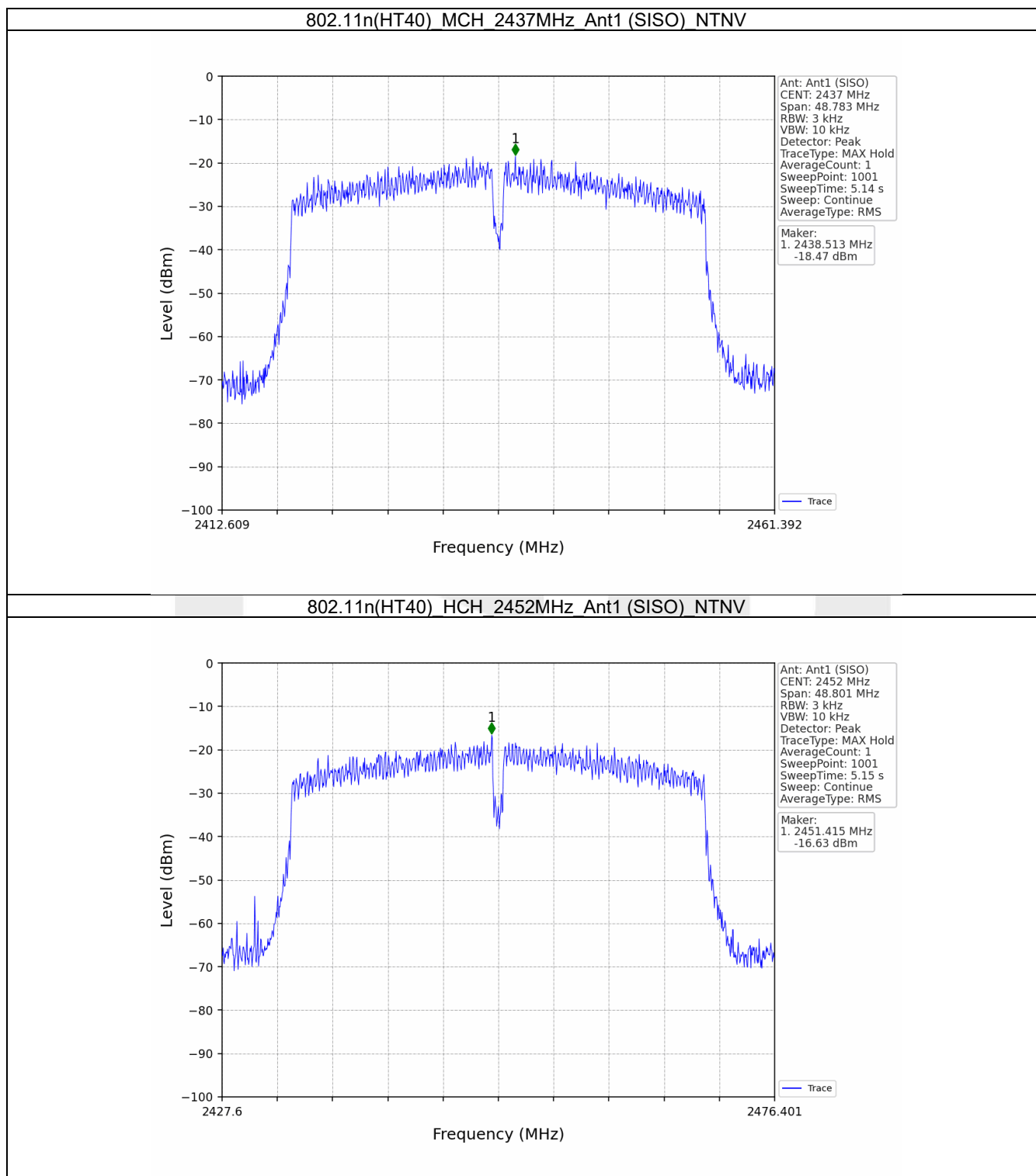












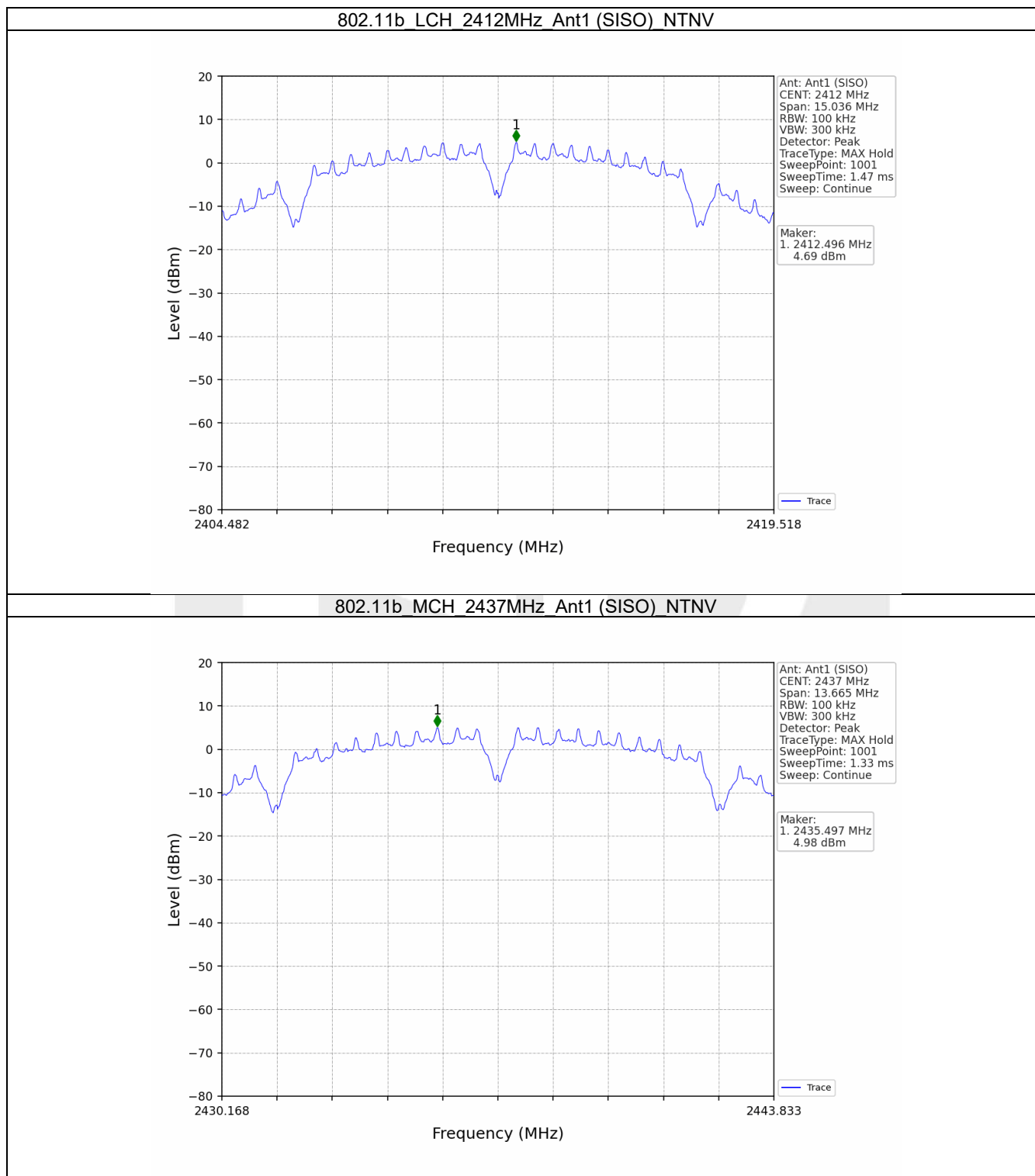
5. Unwanted Emissions In Non-restricted Frequency Bands

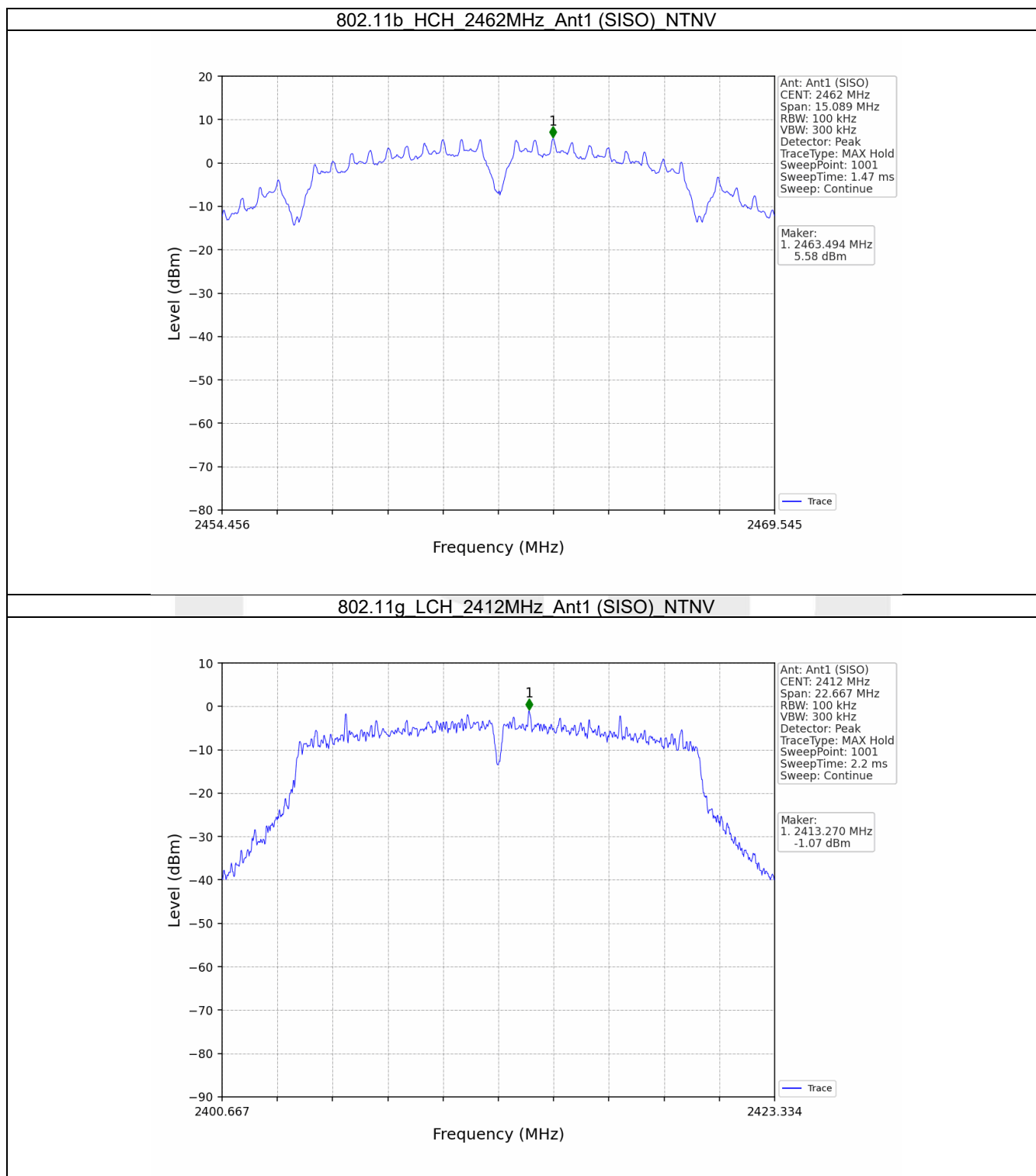
5.1 Ref

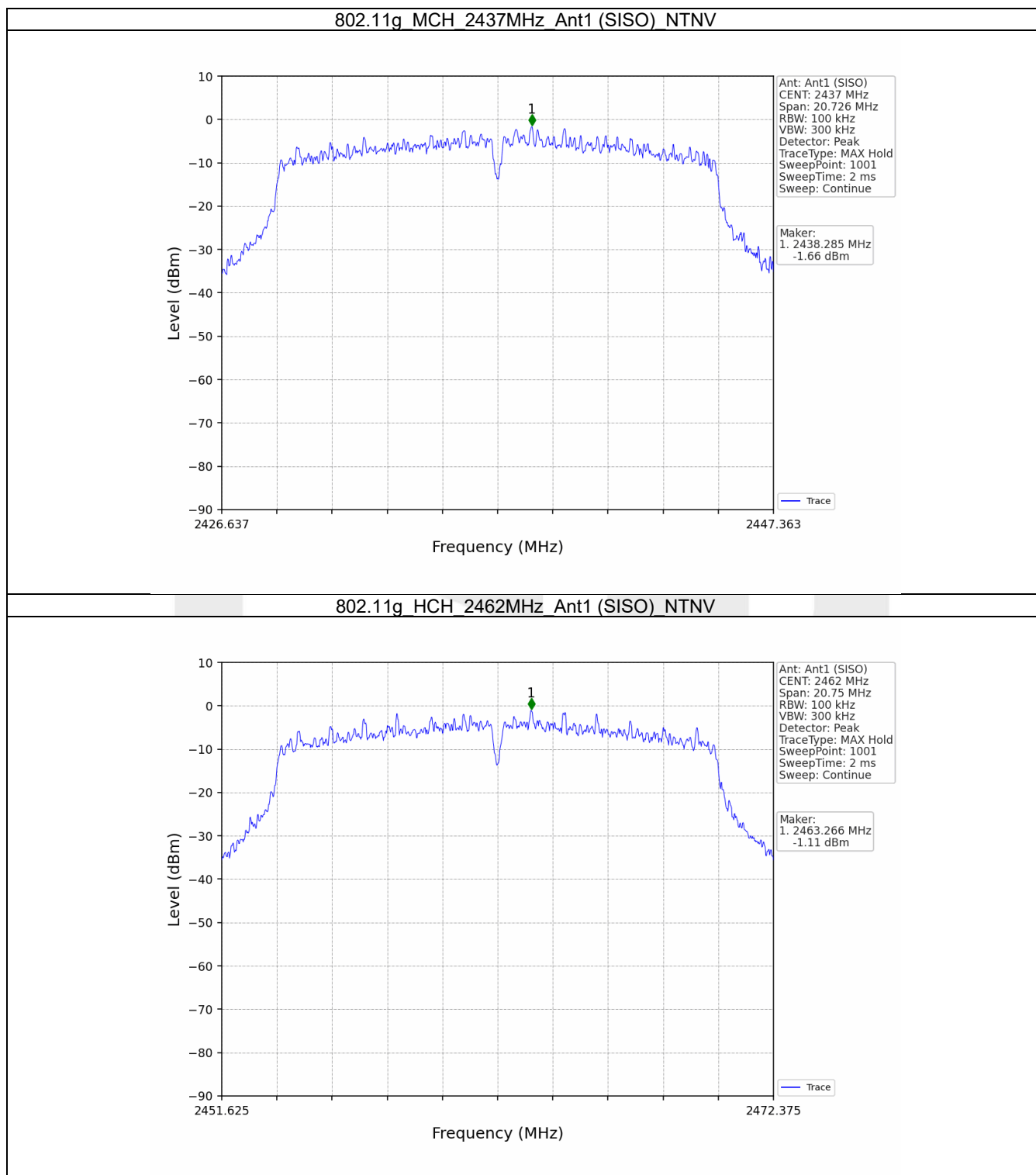
5.1.1 Test Result

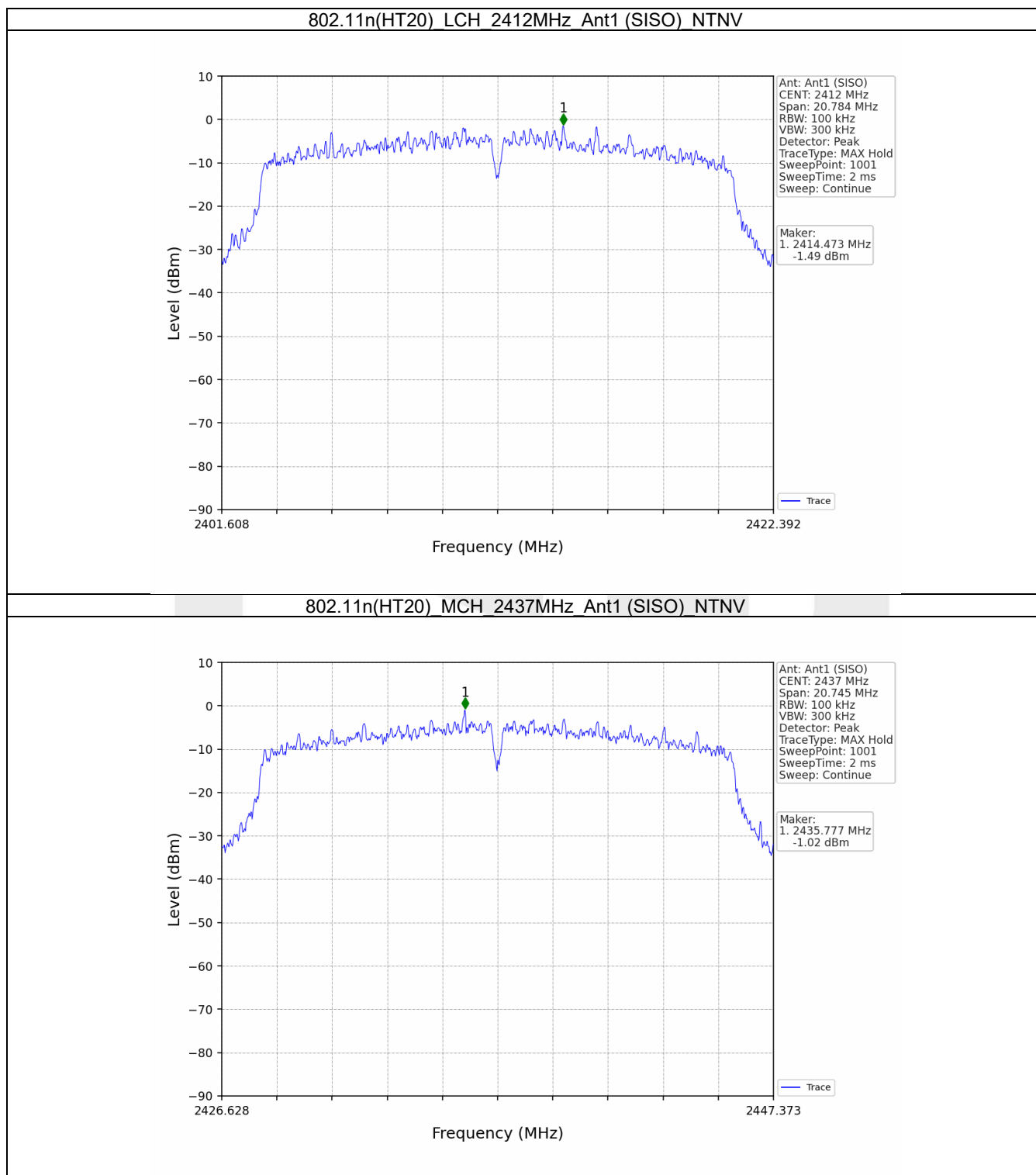
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	4.69
		2437	1	4.98
		2462	1	5.58
802.11g	SISO	2412	1	-1.07
		2437	1	-1.66
		2462	1	-1.11
802.11n (HT20)	SISO	2412	1	-1.49
		2437	1	-1.02
		2462	1	-0.55
802.11n (HT40)	SISO	2422	1	-1.82
		2437	1	-3.64
		2452	1	-3.25
Note1: Refer 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.				

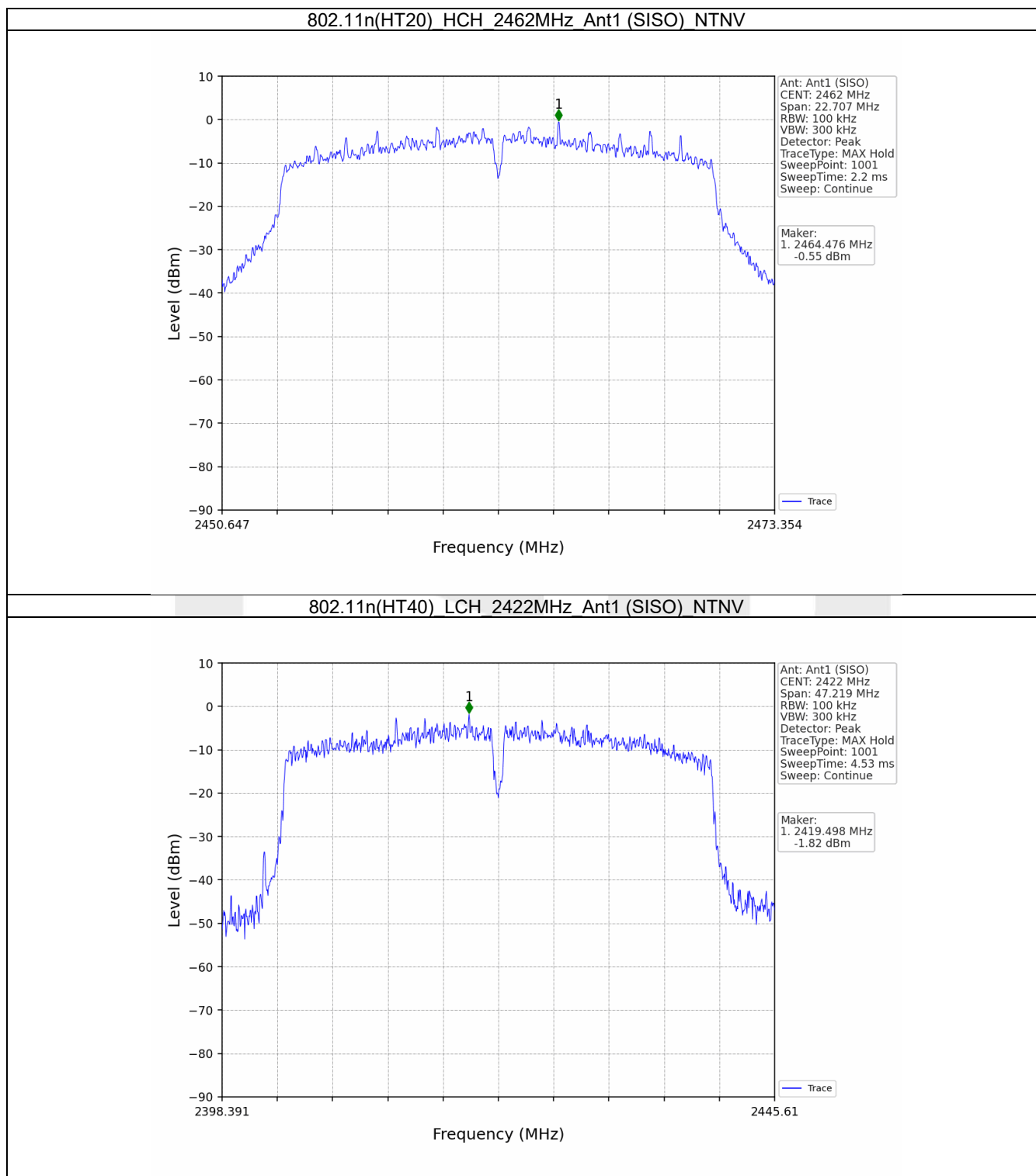
5.1.2 Test Graph

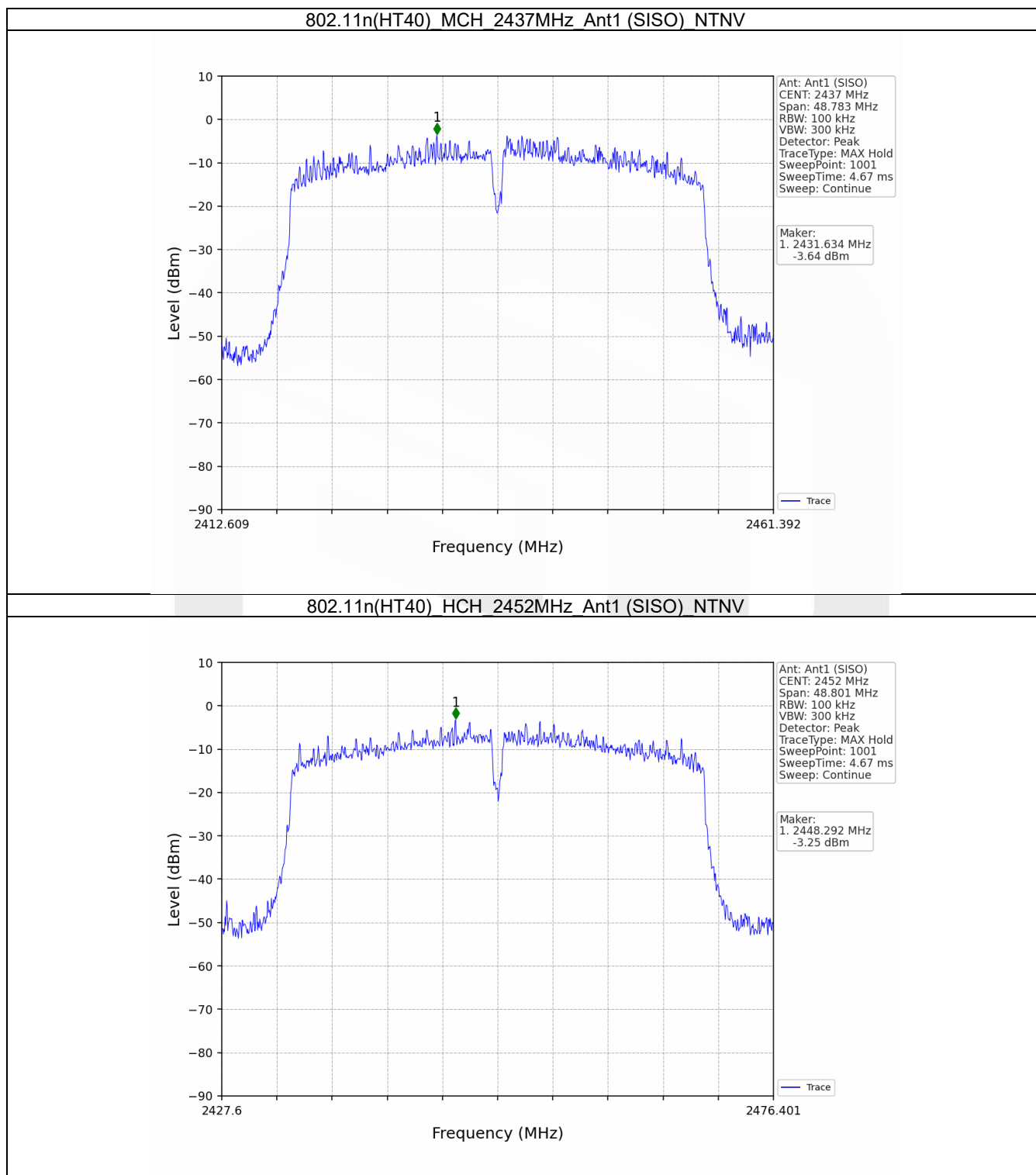












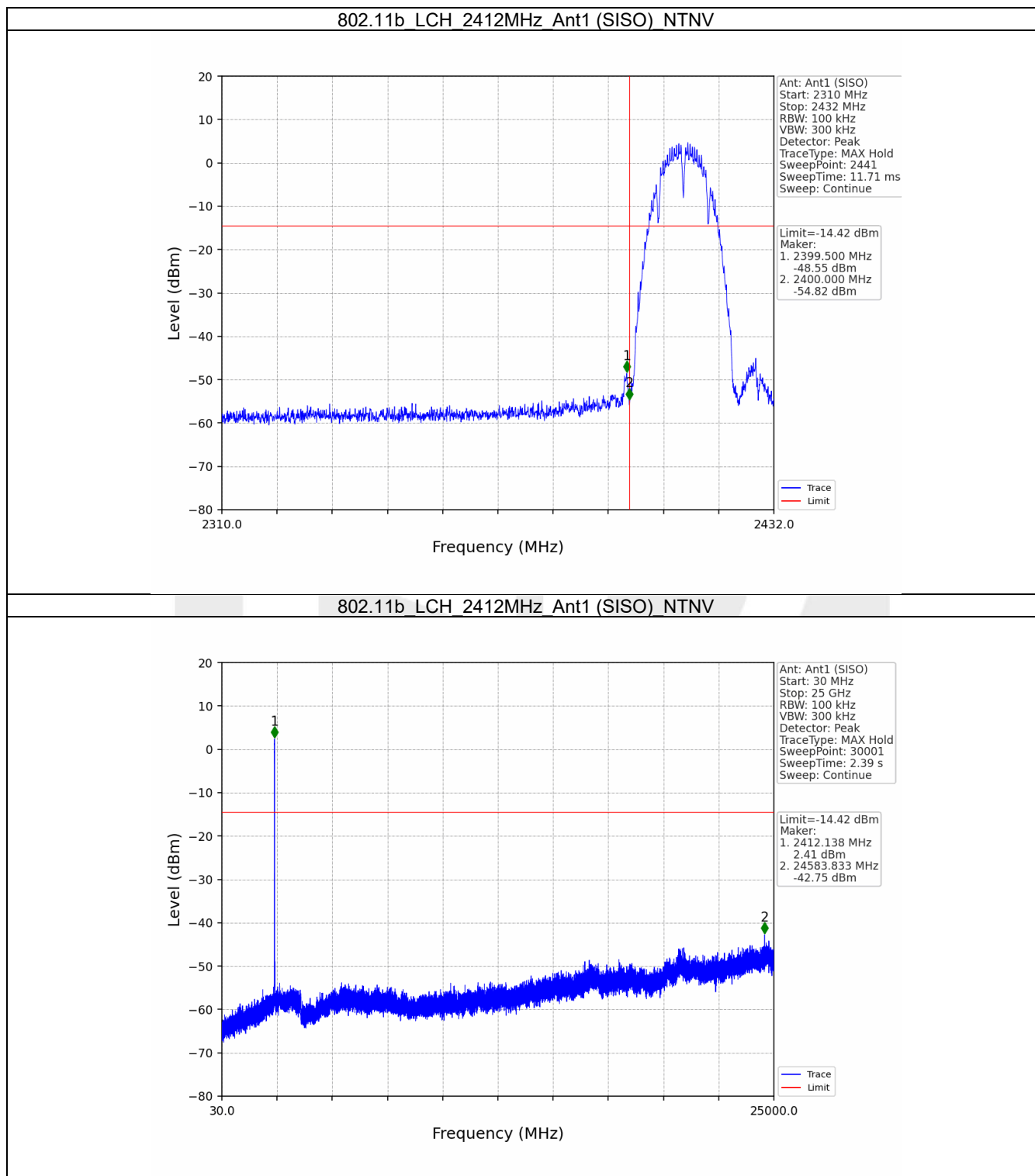
5.2 CSE

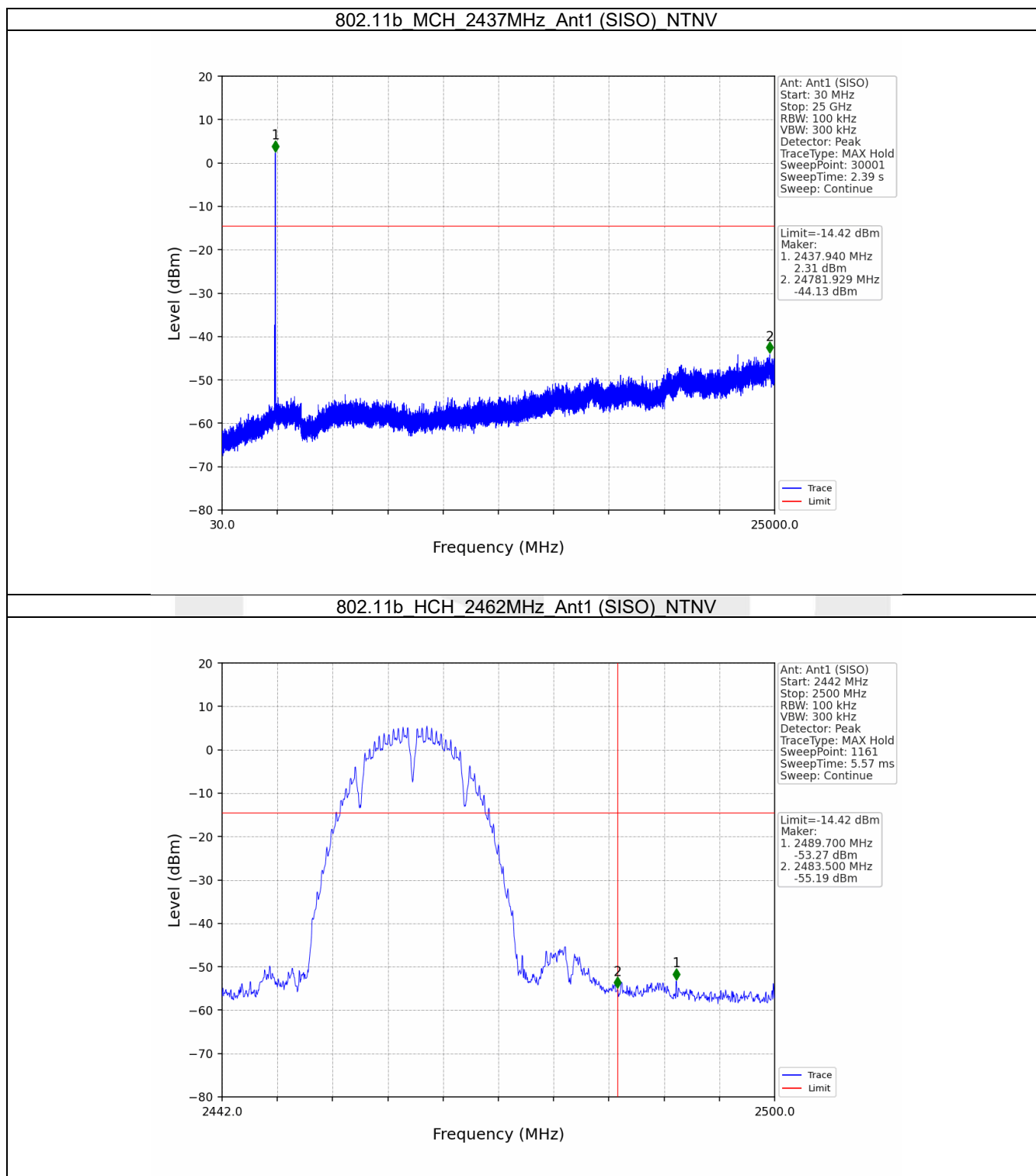
5.2.1 Test Result

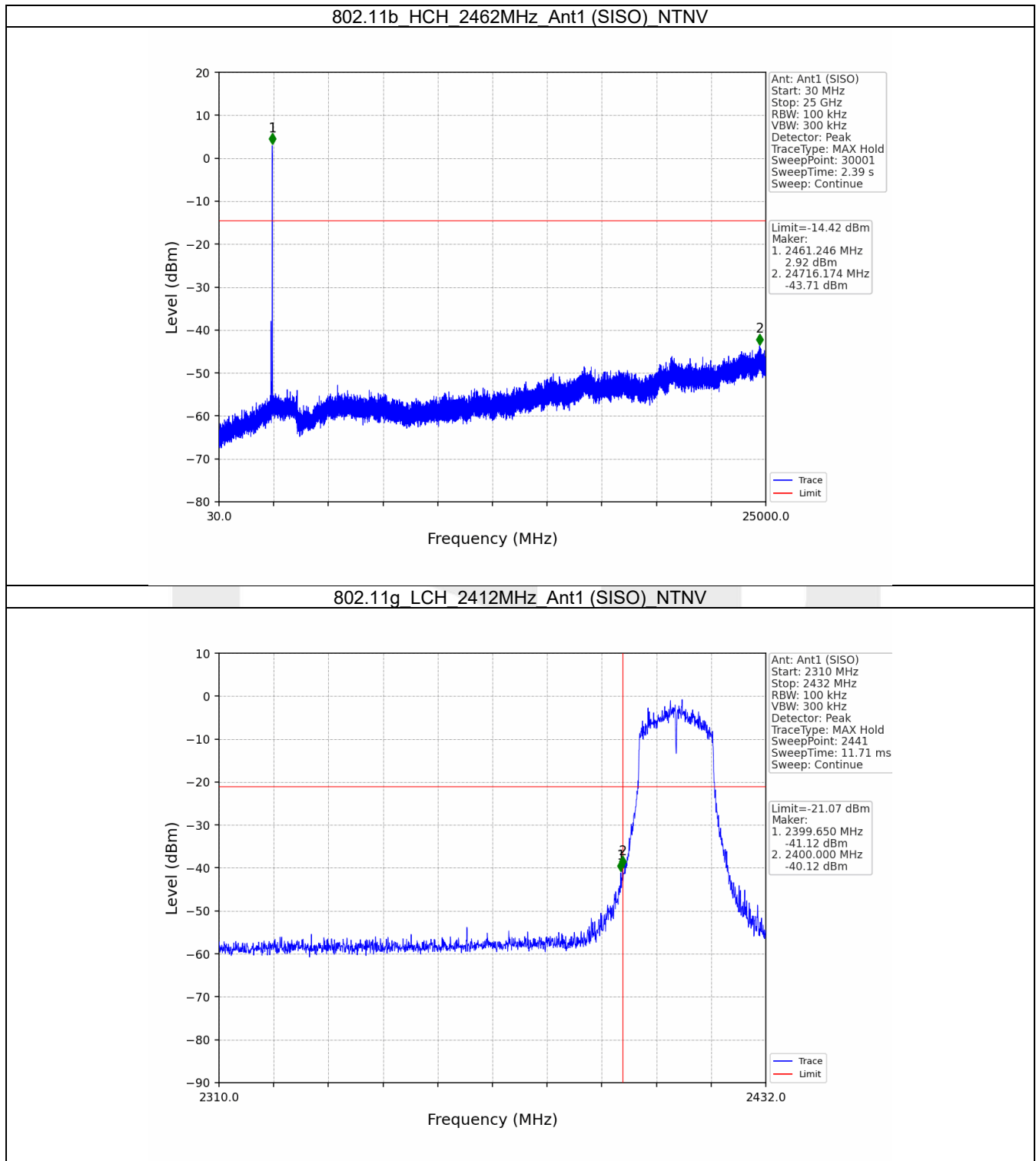
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.58	-14.42	Pass
		2437	1	5.58	-14.42	Pass
		2462	1	5.58	-14.42	Pass
802.11g	SISO	2412	1	-1.07	-21.07	Pass
		2437	1	-1.07	-21.07	Pass
		2462	1	-1.07	-21.07	Pass
802.11n (HT20)	SISO	2412	1	-0.55	-20.55	Pass
		2437	1	-0.55	-20.55	Pass
		2462	1	-0.55	-20.55	Pass
802.11n (HT40)	SISO	2422	1	-1.82	-21.82	Pass
		2437	1	-1.82	-21.82	Pass
		2452	1	-1.82	-21.82	Pass

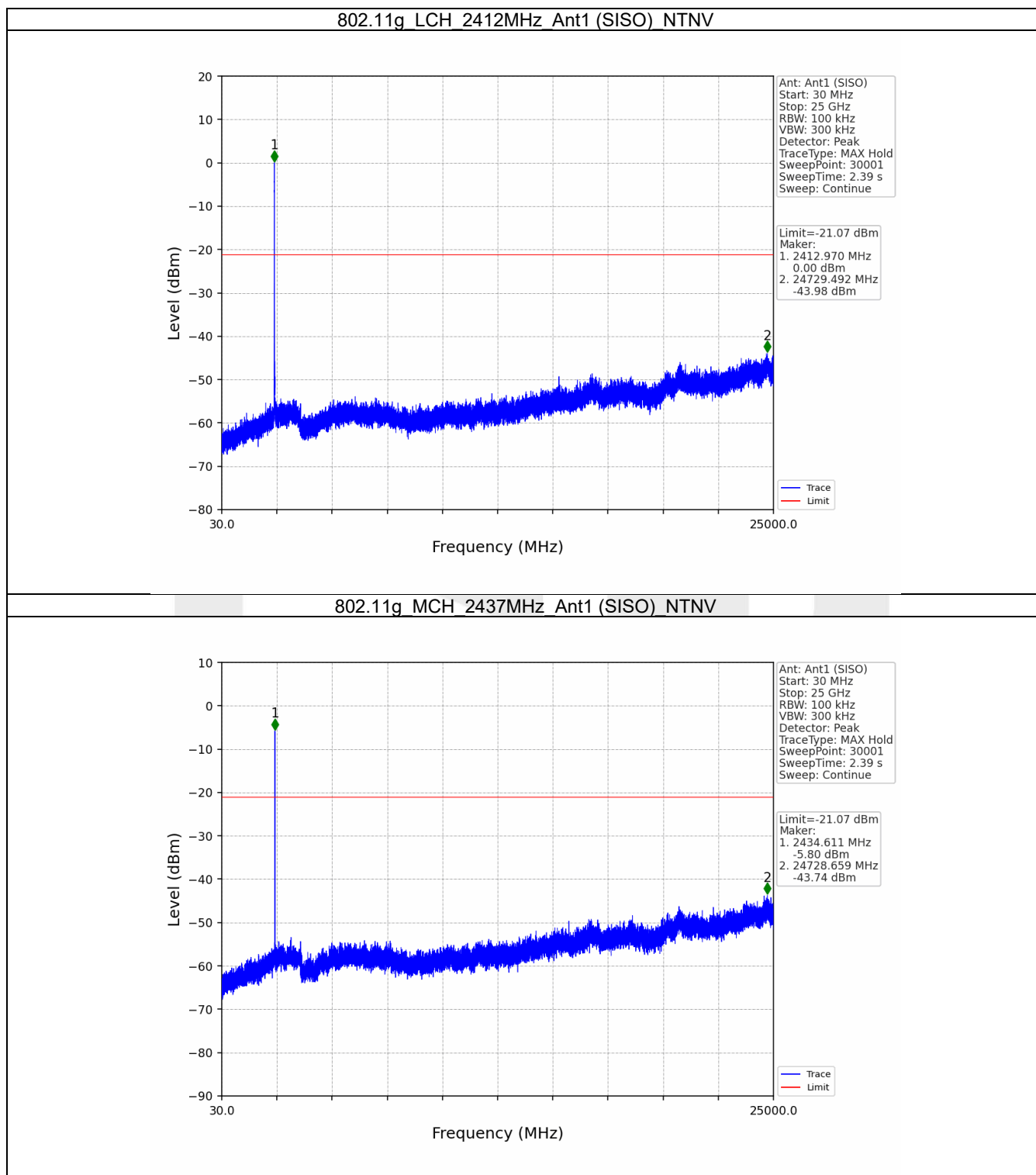
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

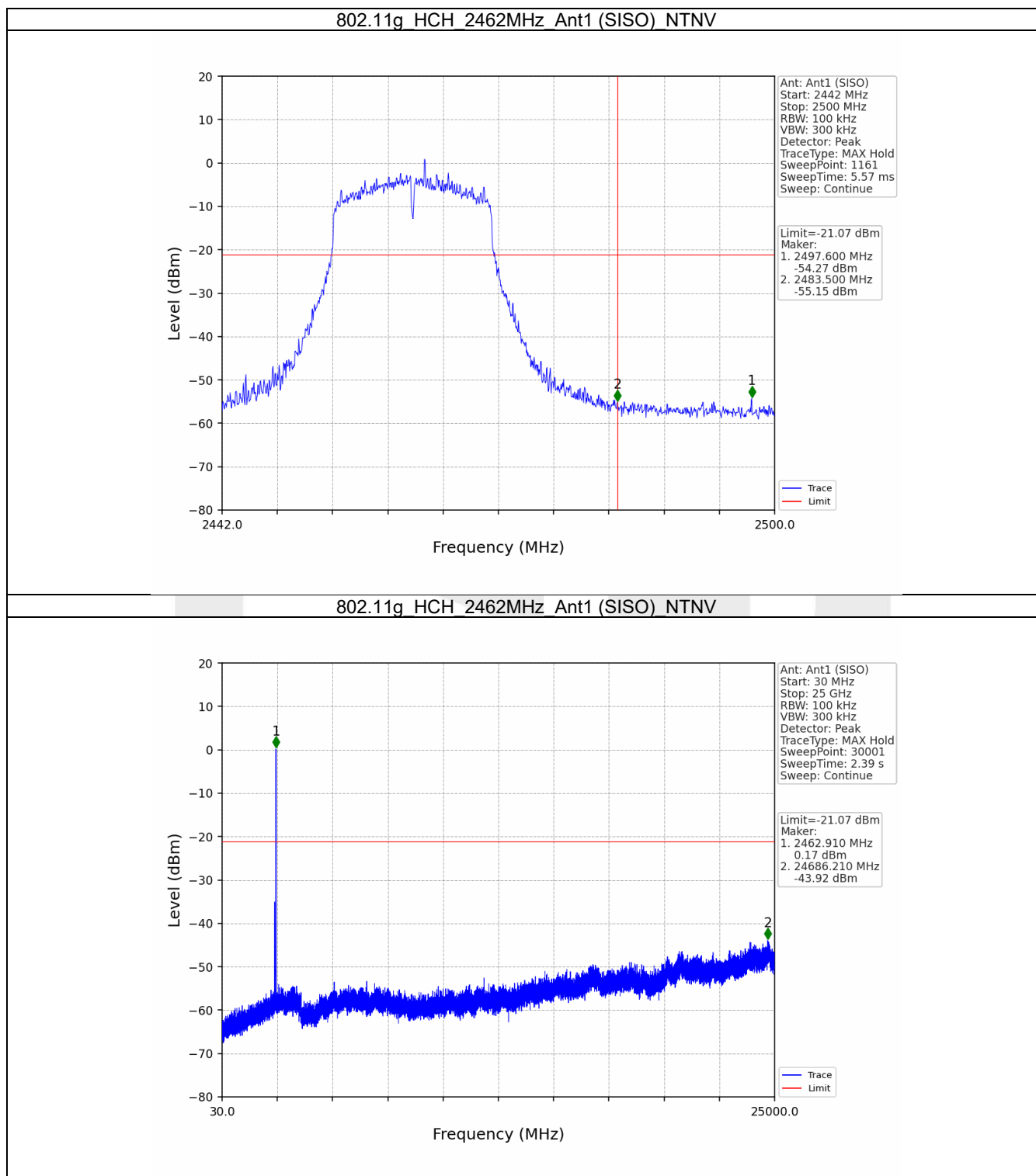
5.2.2 Test Graph

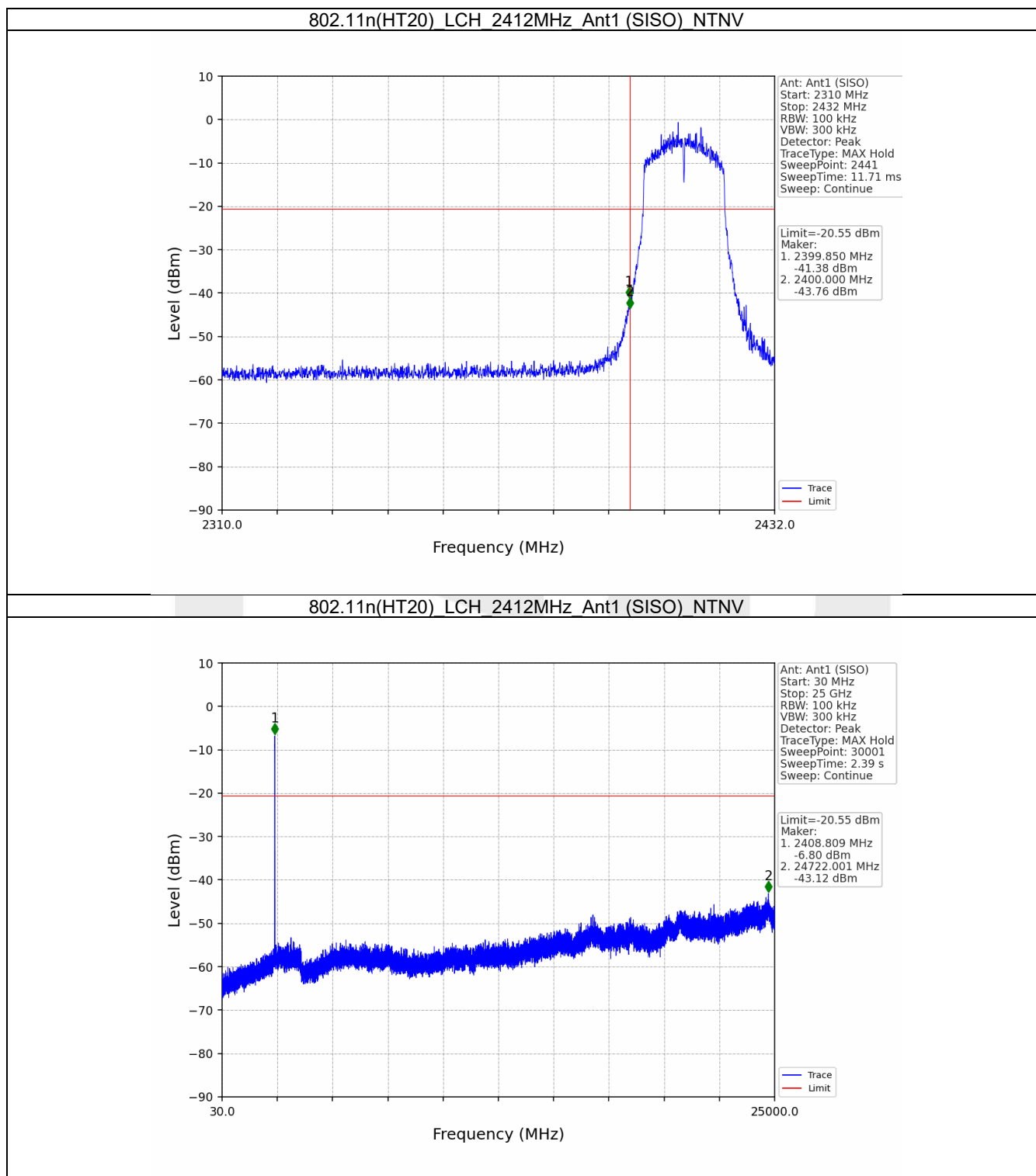


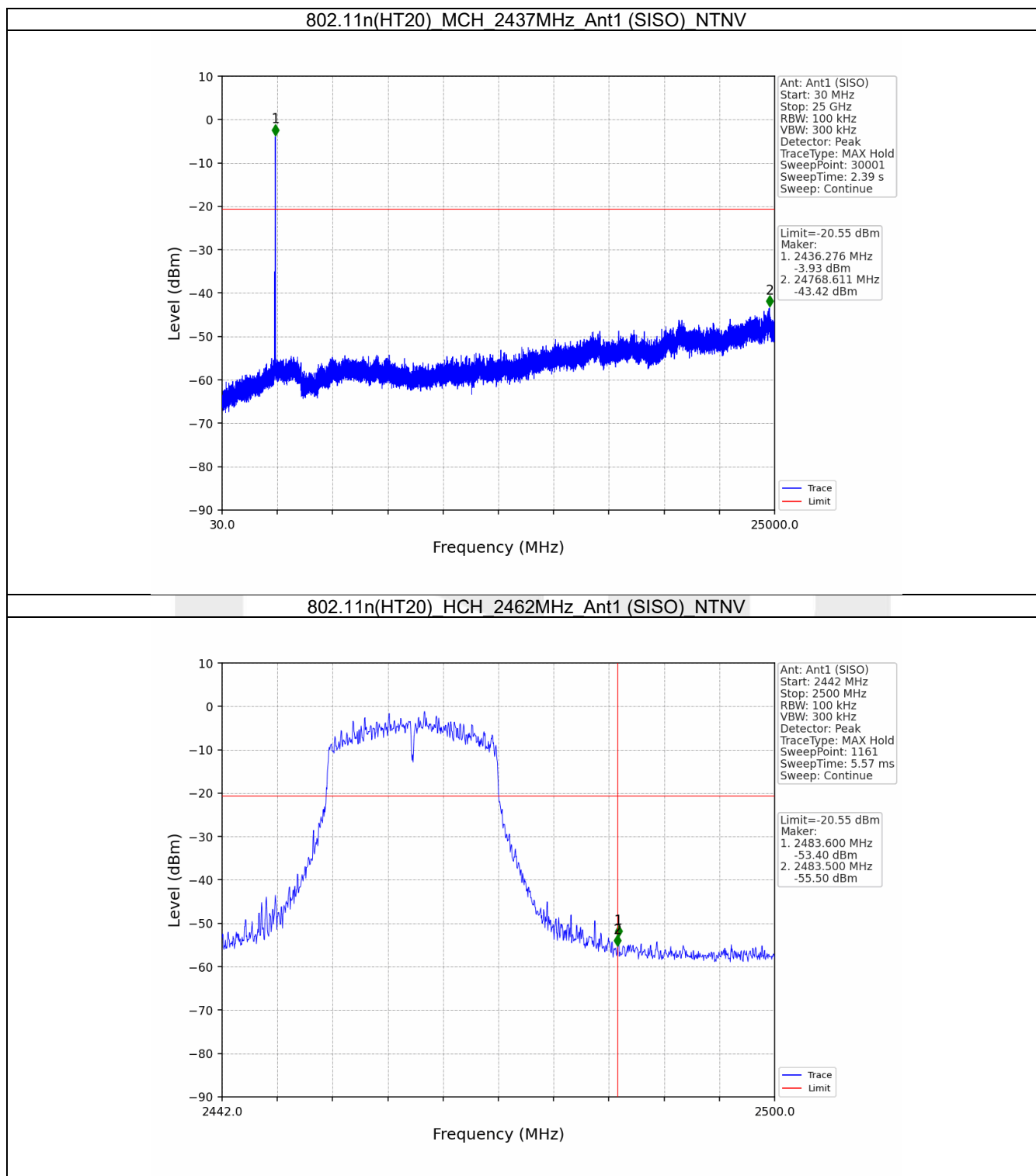


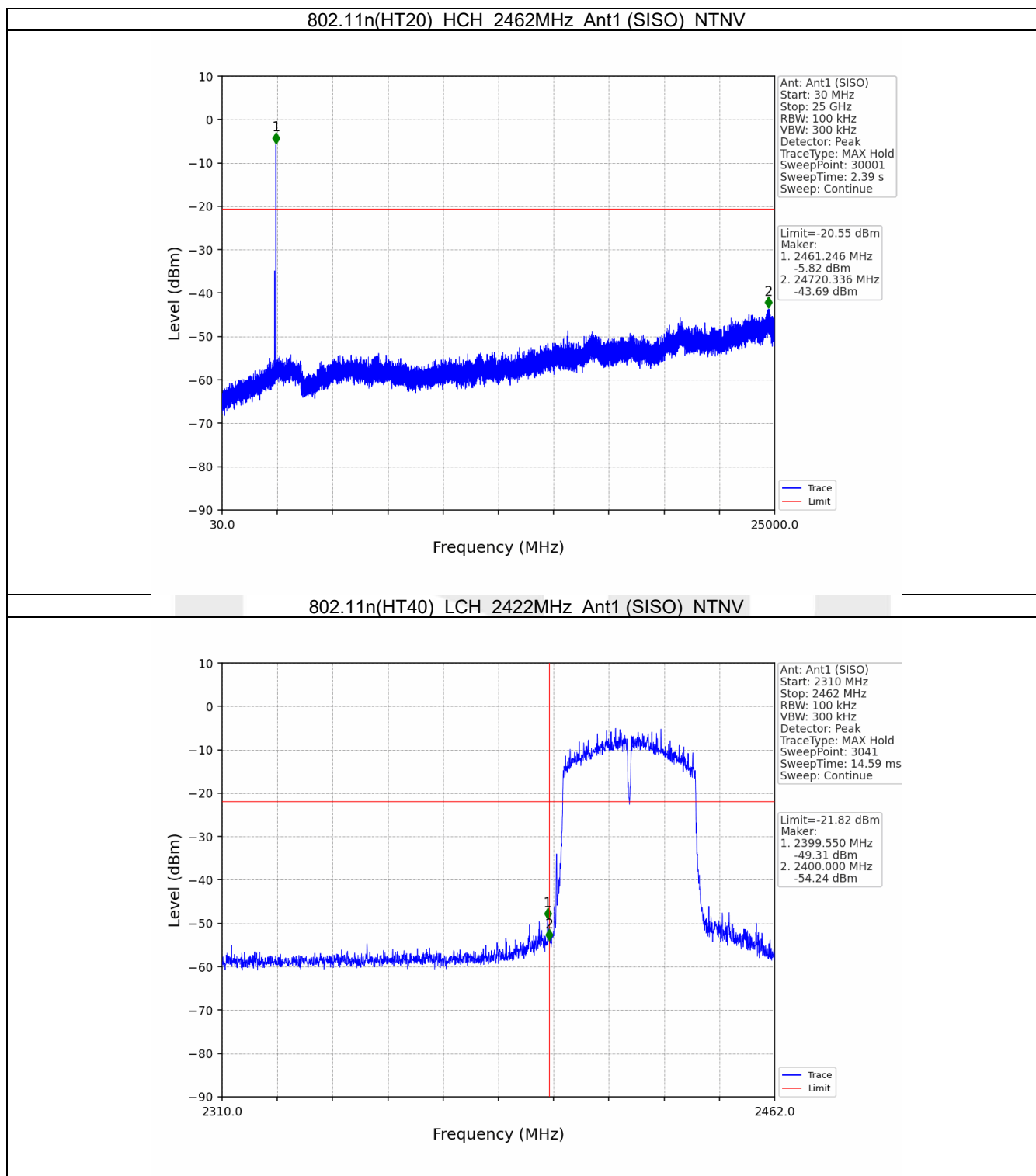


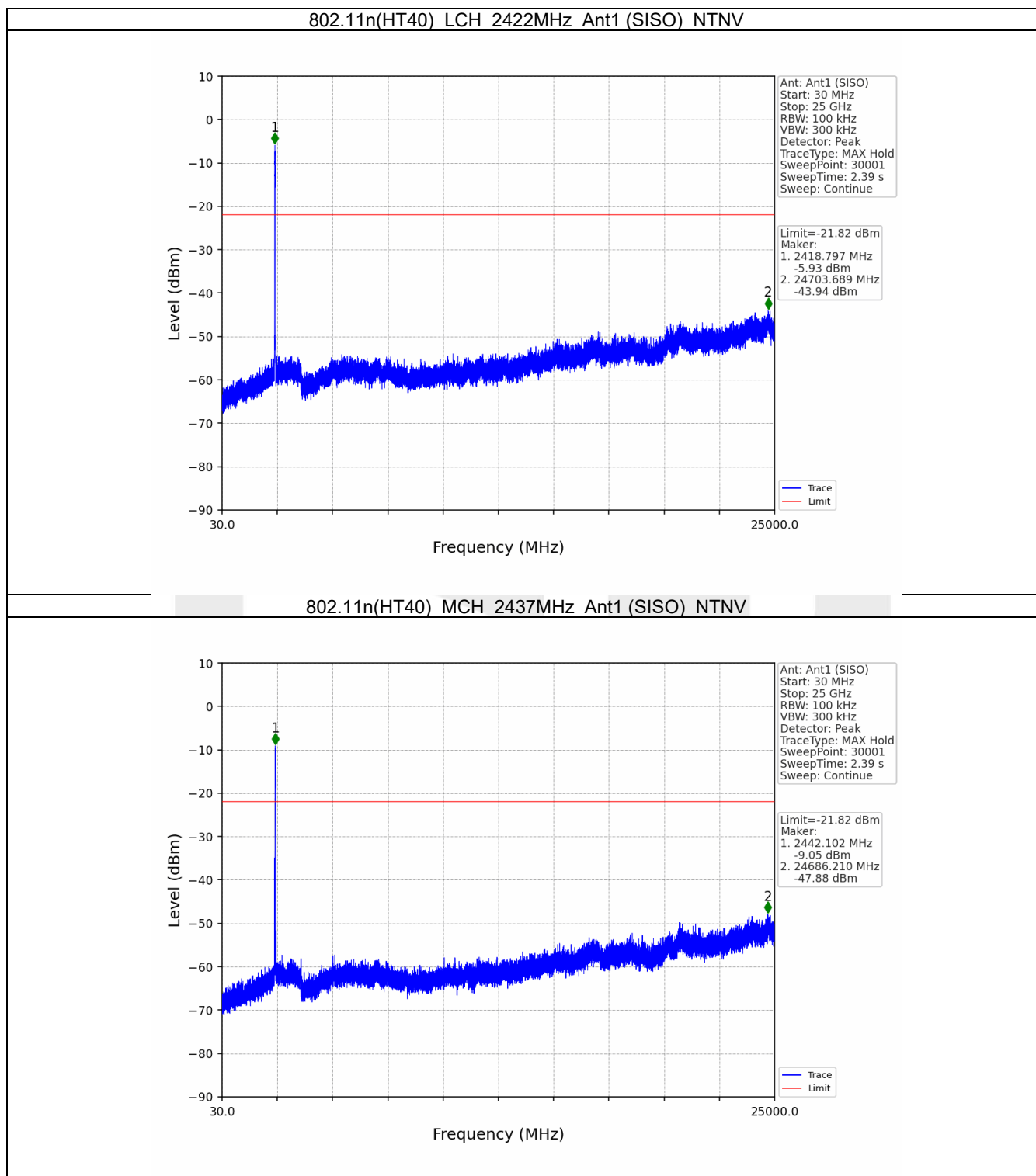


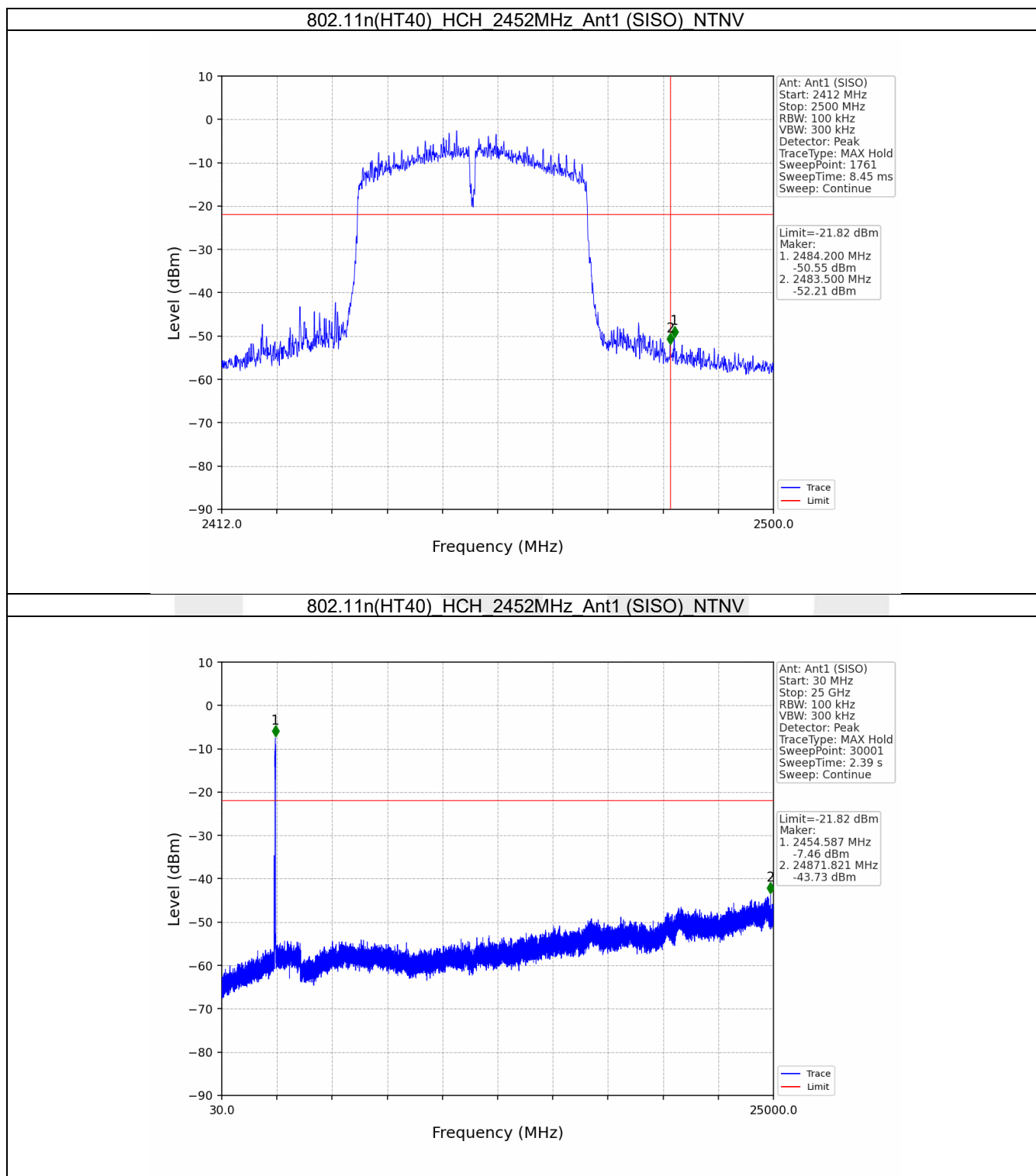












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