

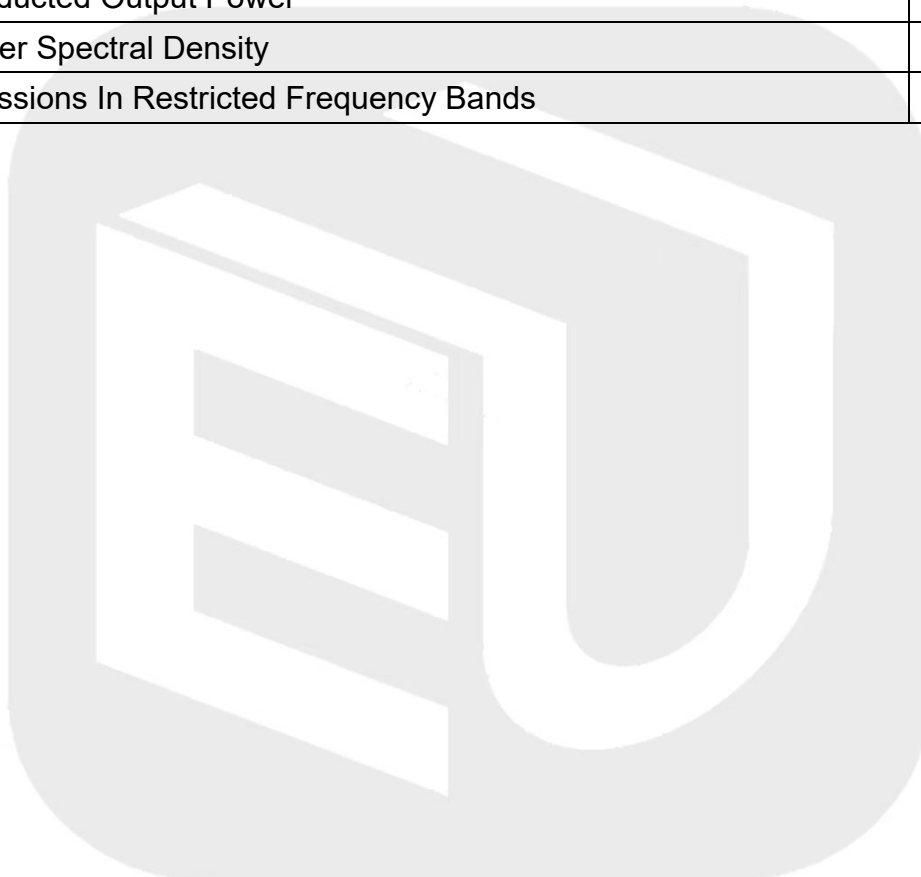
ANNEX F TEST DATA

For

Project No.:	8230EU011805W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Description:	Android Tablet
Model No.:	WF2185T
FCC ID:	2ABC5-E0065
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-06-26

Test Summary

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



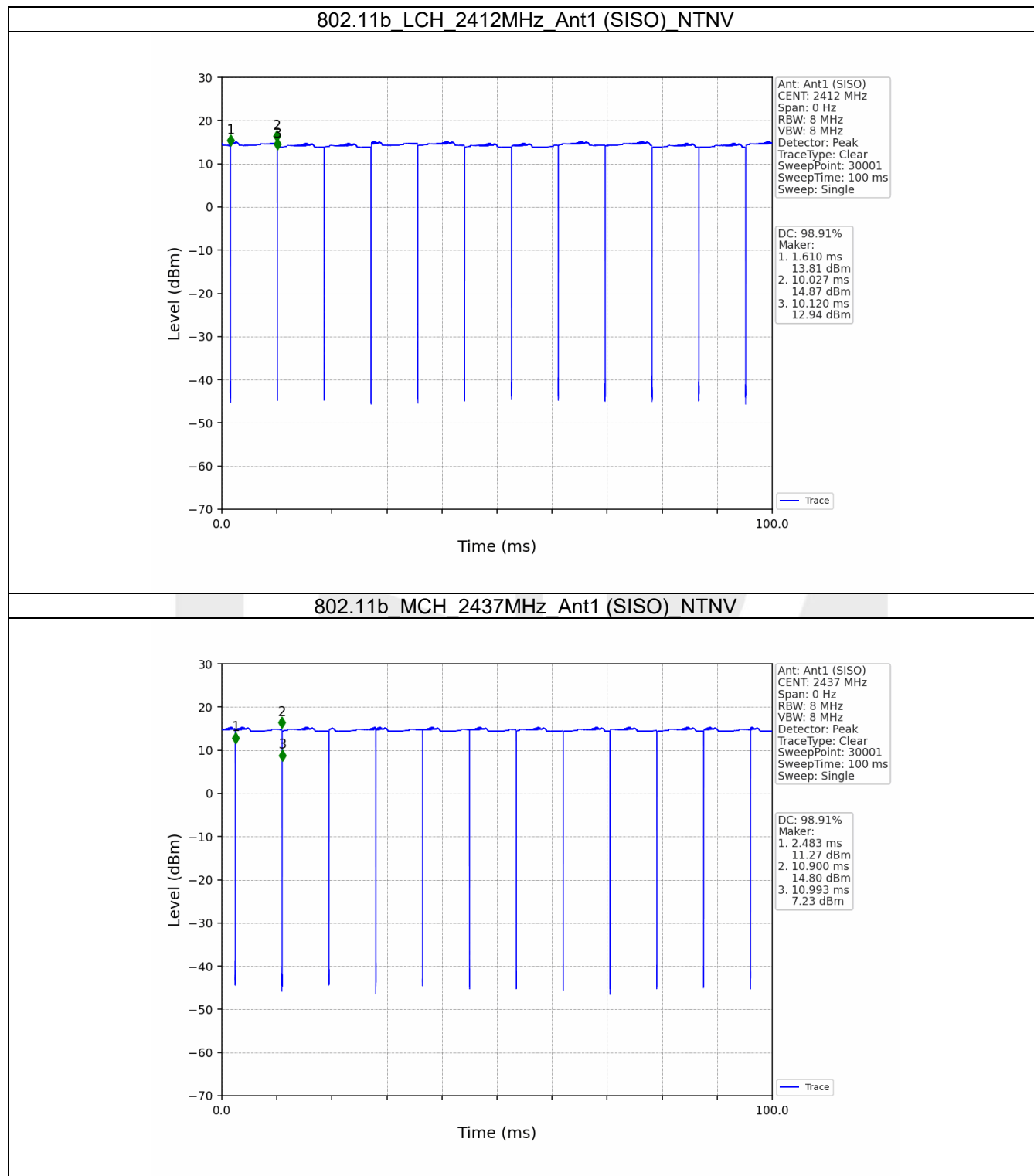
1. Duty Cycle

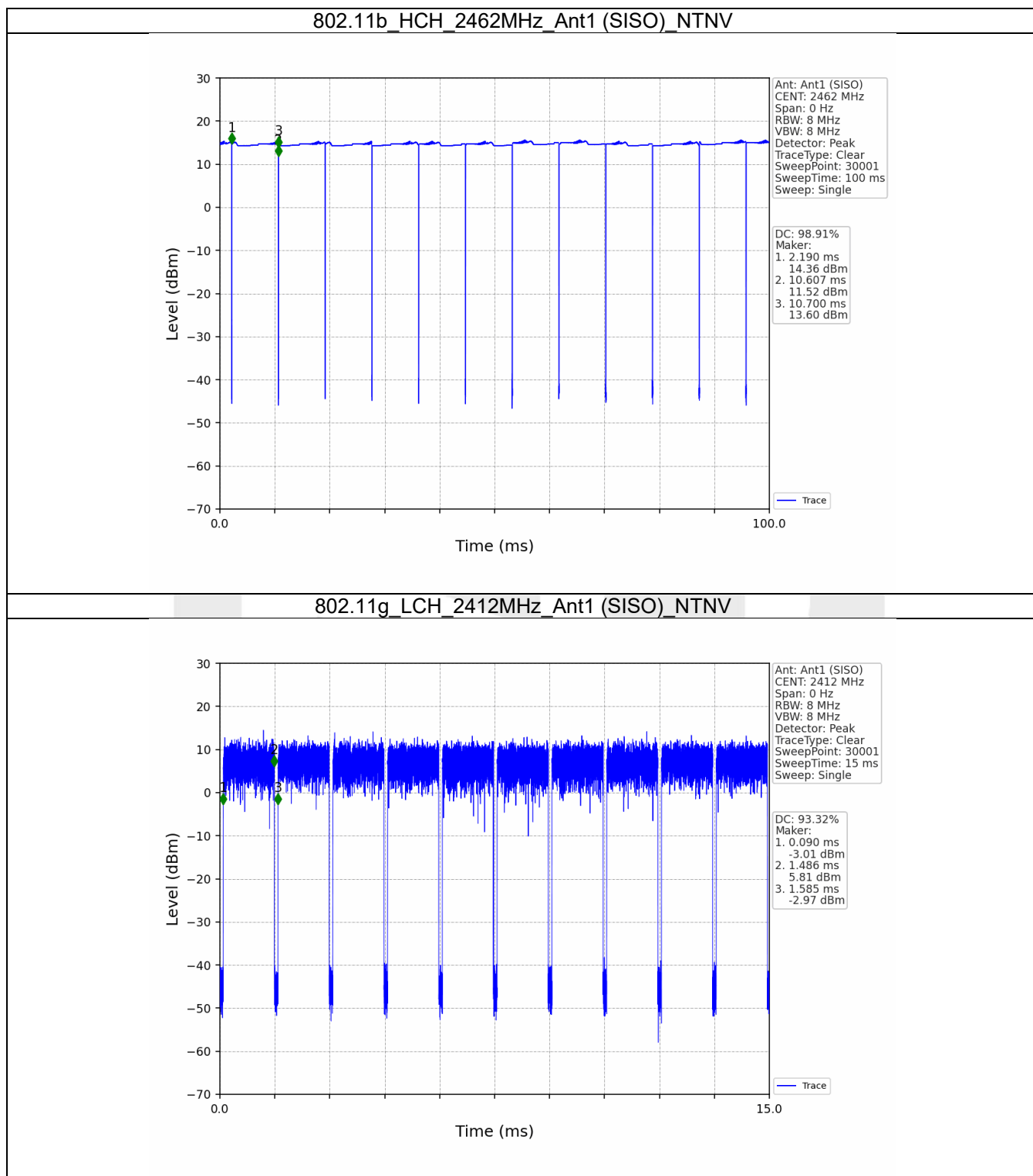
1.1 Ant1

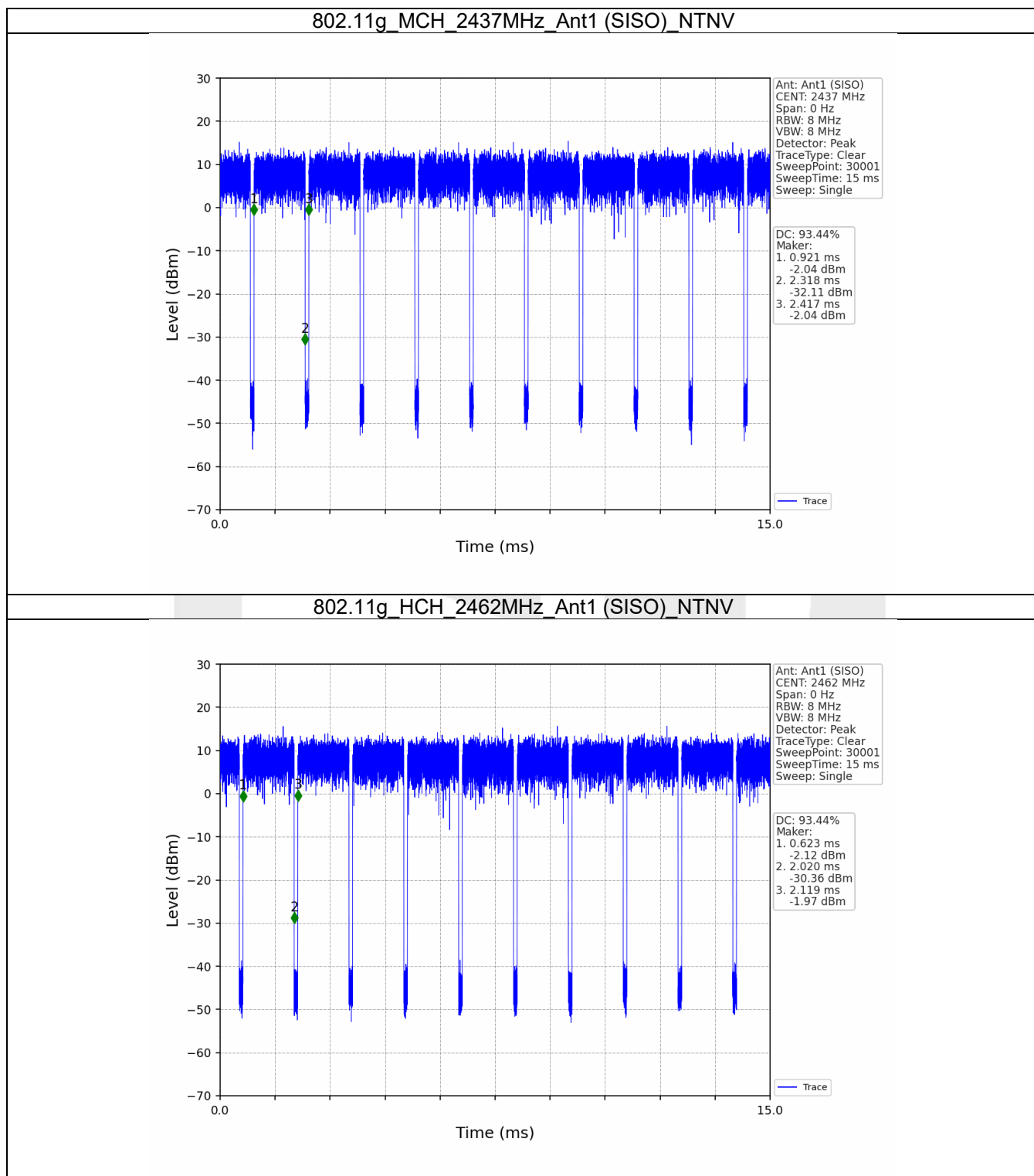
1.1.1 Test Result

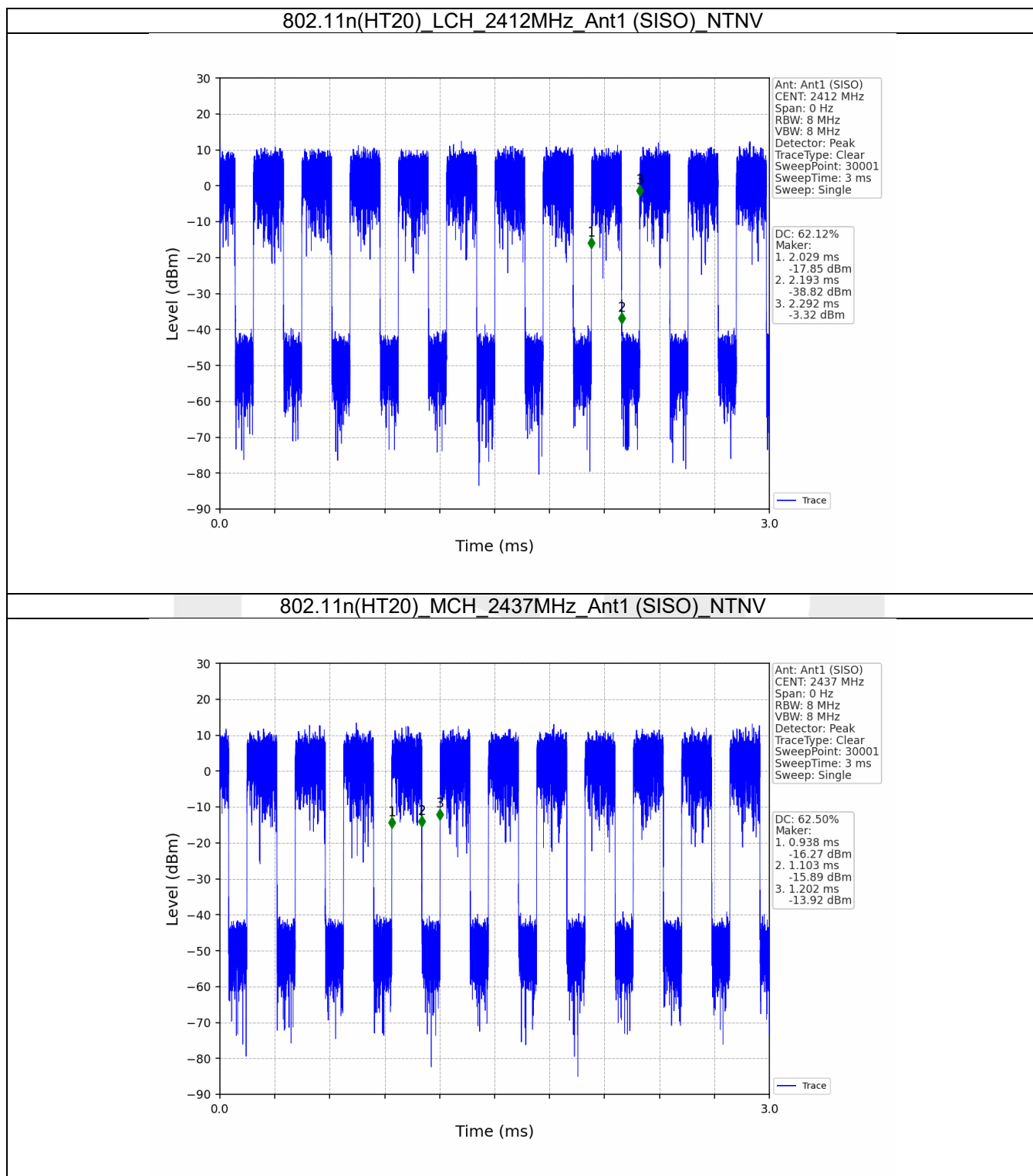
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.417	8.510	98.91	0.05	0.00
		2437	/	/	8.417	8.510	98.91	0.05	0.04
		2462	/	/	8.417	8.510	98.91	0.05	0.04
802.11g	SISO	2412	/	/	1.396	1.496	93.32	0.30	0.07
		2437	/	/	1.397	1.495	93.44	0.29	0.03
		2462	/	/	1.397	1.495	93.44	0.29	0.03
802.11n (HT20)	SISO	2412	/	/	0.164	0.264	62.12	2.07	0.15
		2437	/	/	0.165	0.264	62.50	2.04	37.67
		2462	/	/	0.168	0.264	63.64	1.96	0.16
802.11ax (HEW20)	SISO	2412	RU242	Left	1.022	1.120	91.25	0.40	0.00
		2437	RU242	Left	1.022	1.121	91.17	0.40	0.00
		2462	RU242	Left	1.021	1.121	91.08	0.41	0.06

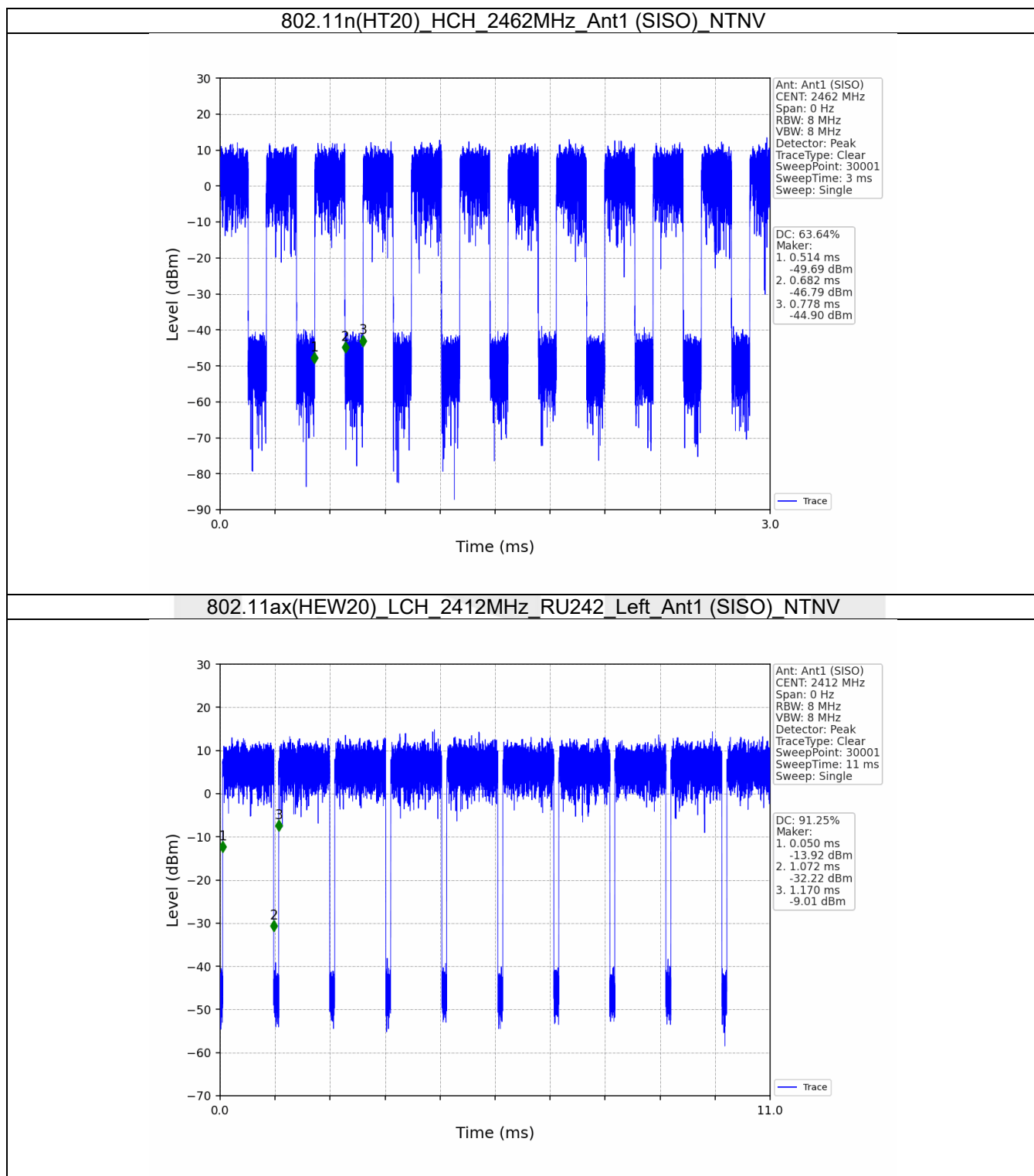
1.1.2 Test Graph



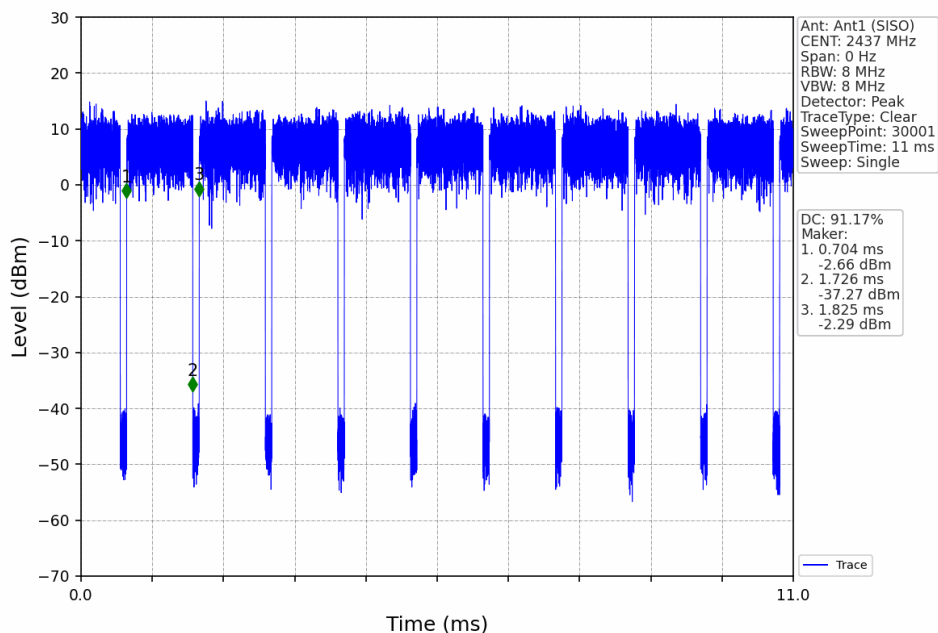




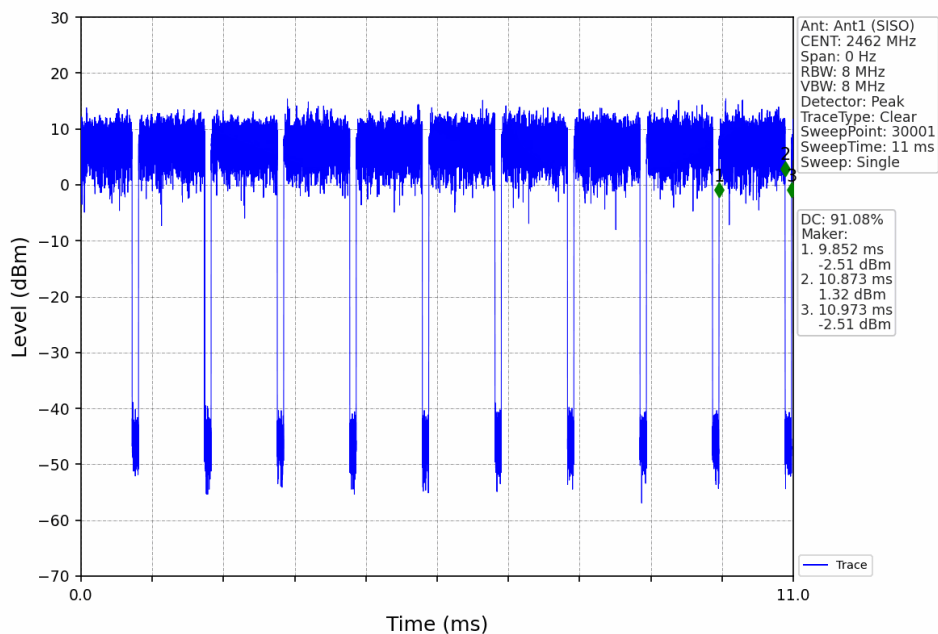




802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



2. Bandwidth

2.1 OBW

2.1.1 Test Result

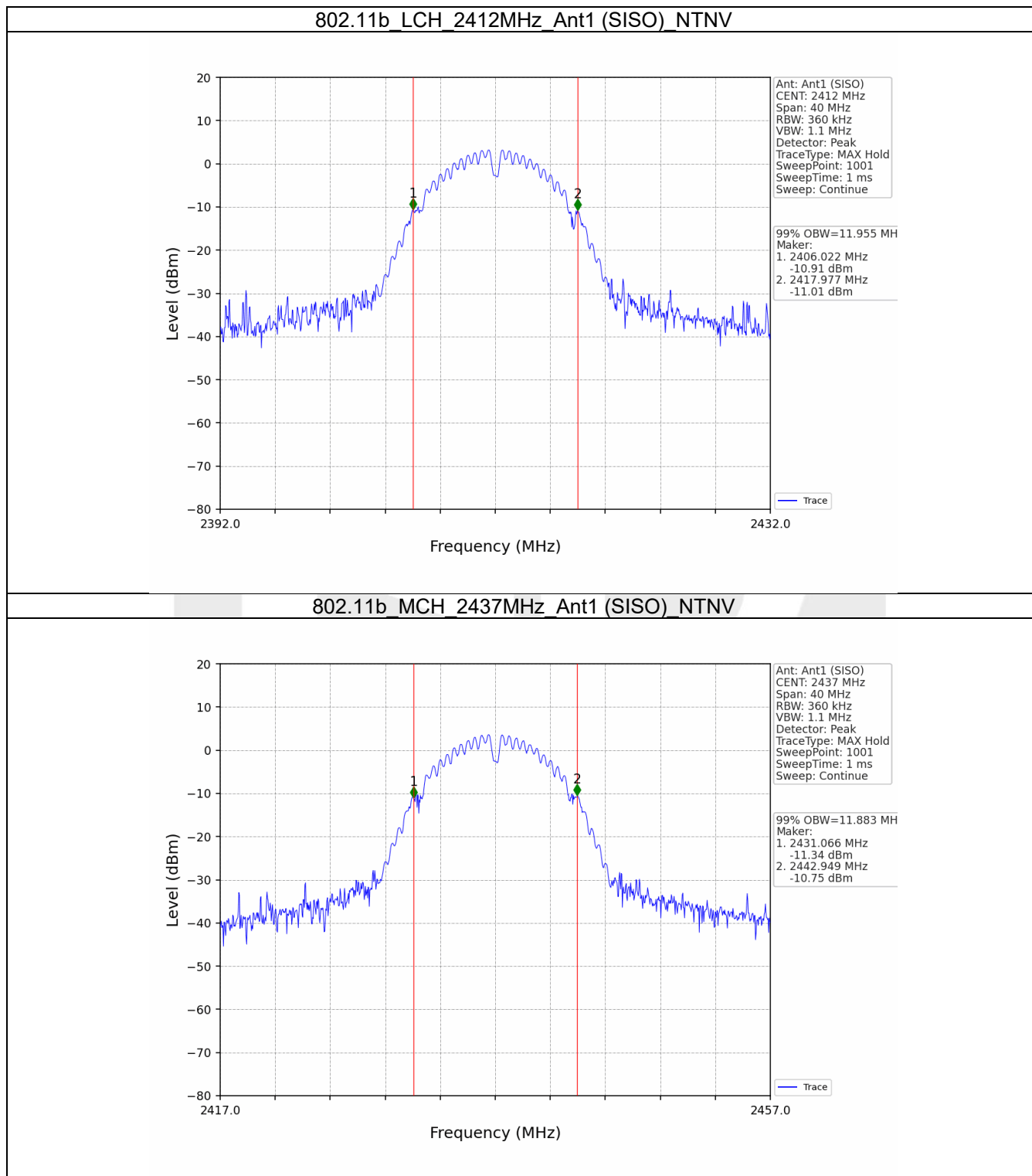
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	11.955	/	Pass
		2437	/	/	1	11.883	/	Pass
		2462	/	/	1	11.843	/	Pass
802.11g	SISO	2412	/	/	1	17.933	/	Pass
		2437	/	/	1	17.932	/	Pass
		2462	/	/	1	17.914	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.634	/	Pass
		2437	/	/	1	18.586	/	Pass
		2462	/	/	1	18.580	/	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	19.174	/	Pass
		2437	RU242	Left	1	19.132	/	Pass
		2462	RU242	Left	1	19.130	/	Pass

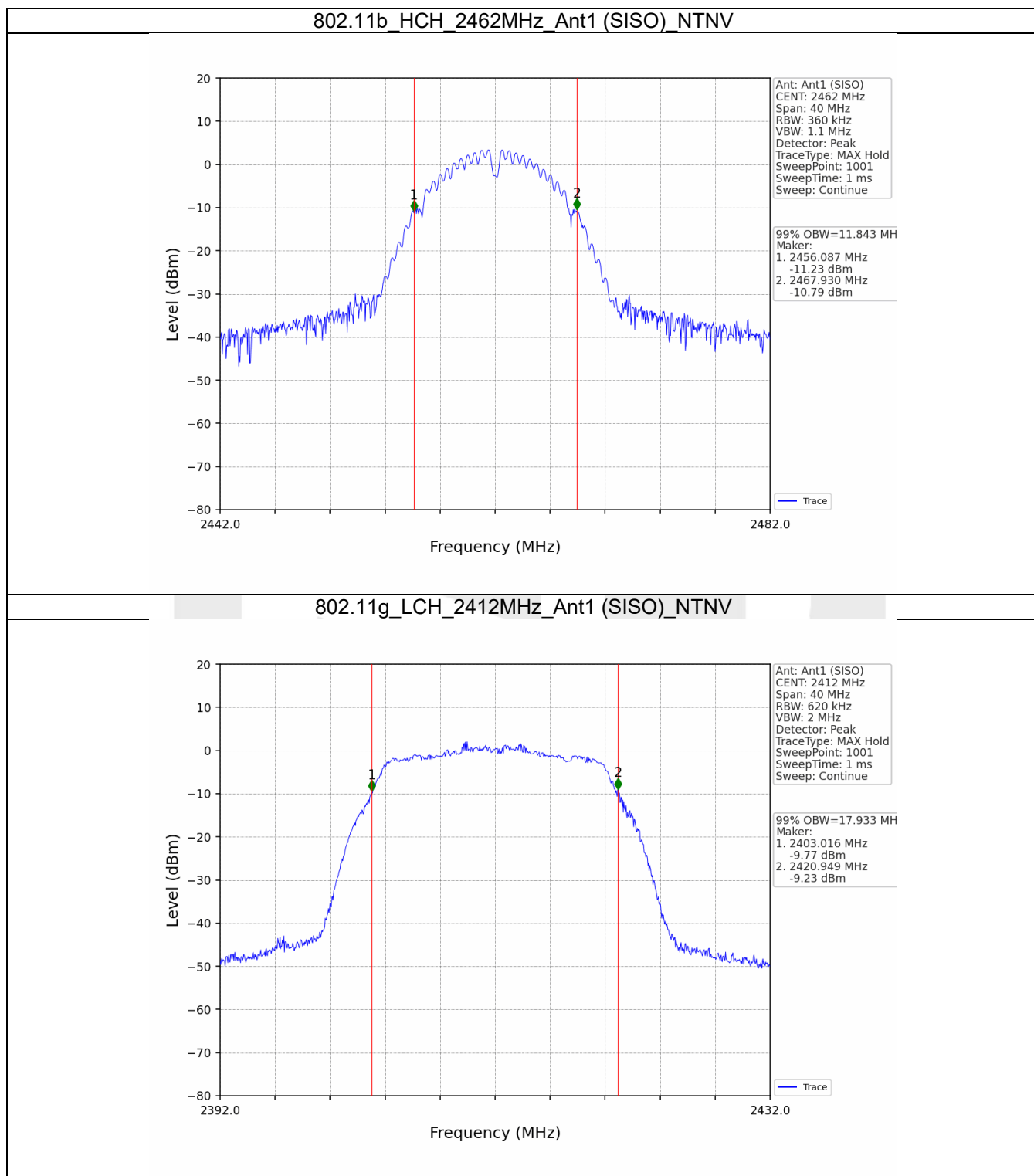
2.2 6dB BW

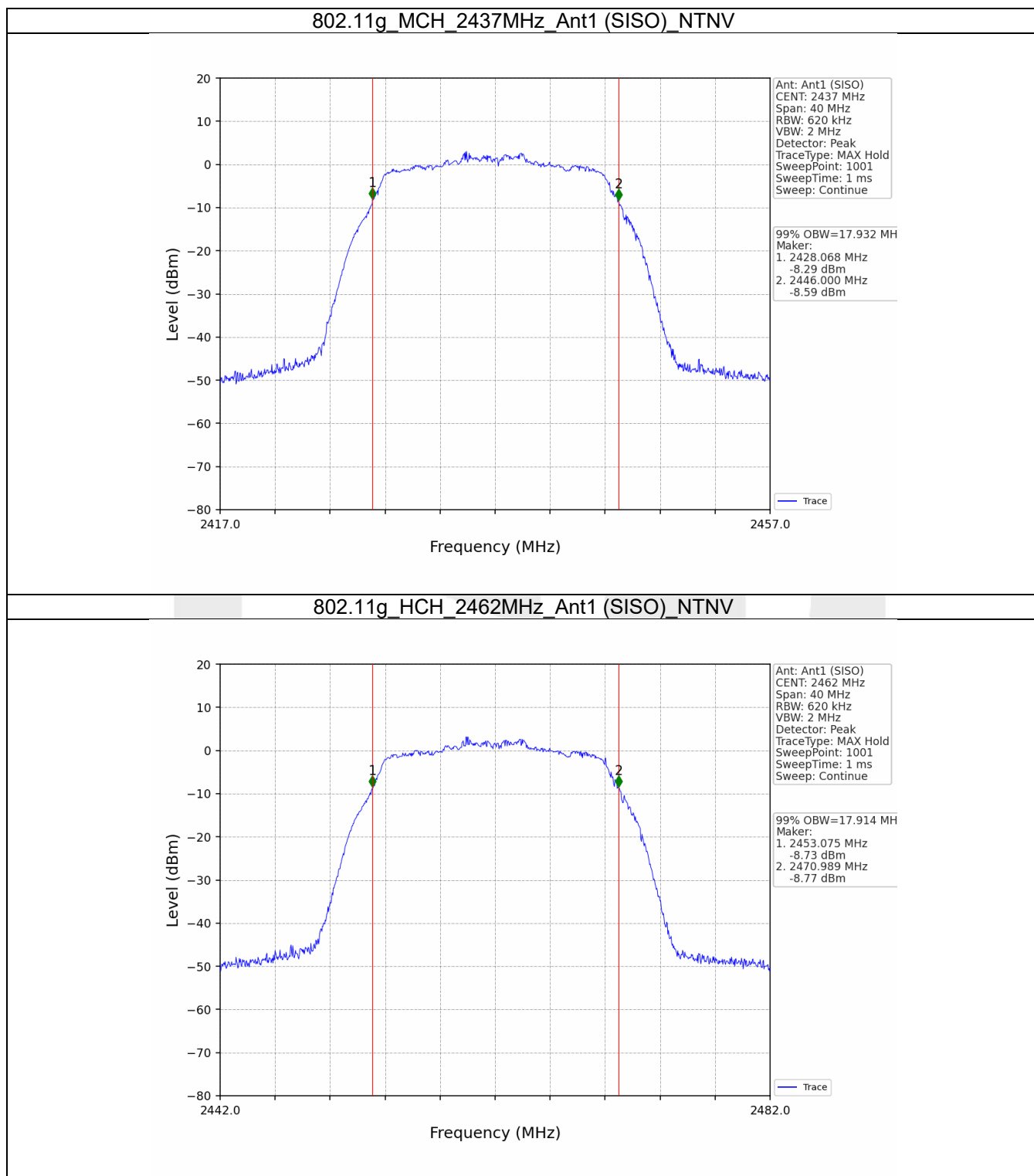
2.2.1 Test Result

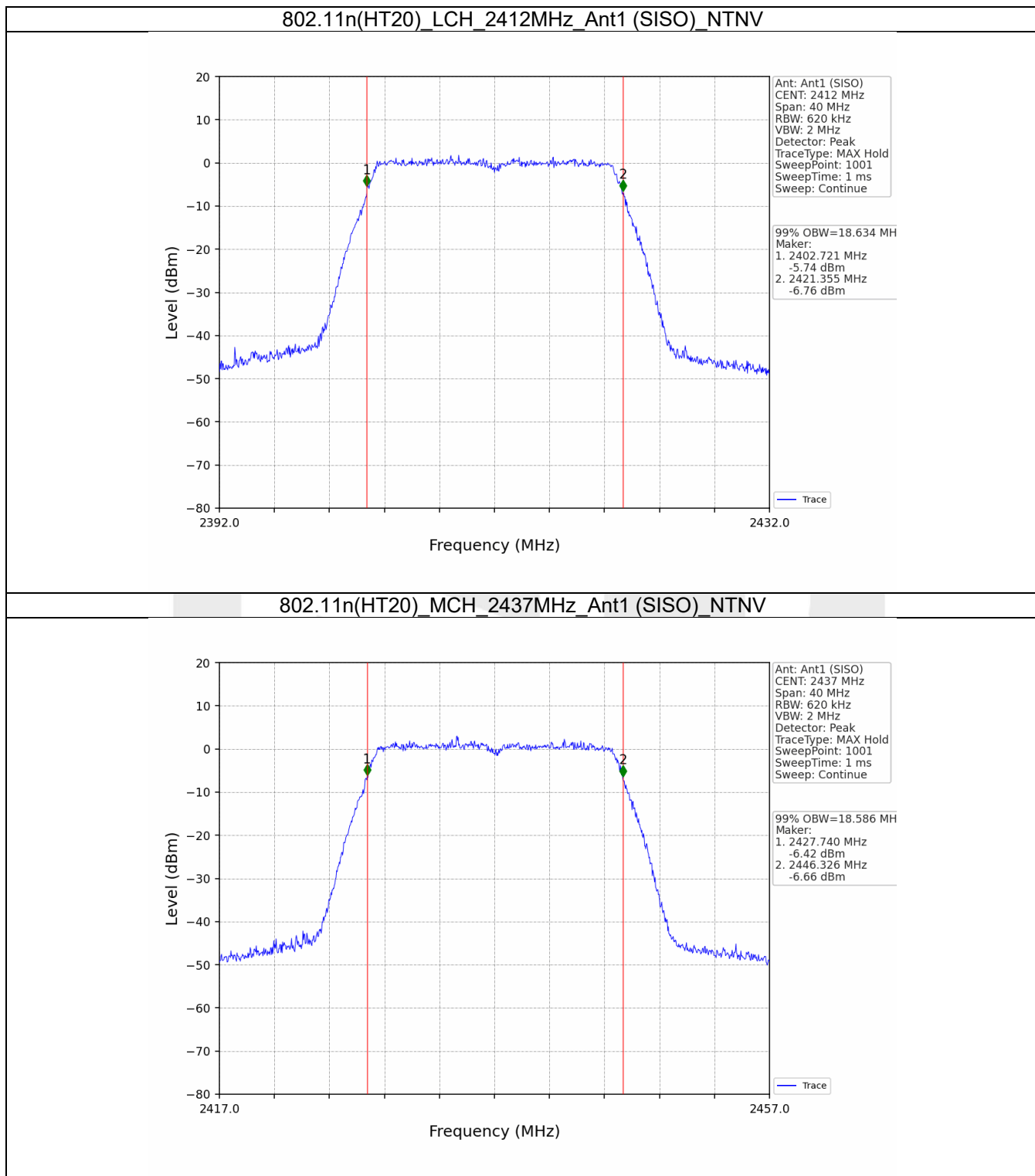
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	8.150	>=0.5	Pass
		2437	/	/	1	8.144	>=0.5	Pass
		2462	/	/	1	8.138	>=0.5	Pass
802.11g	SISO	2412	/	/	1	16.182	>=0.5	Pass
		2437	/	/	1	16.095	>=0.5	Pass
		2462	/	/	1	16.051	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.891	>=0.5	Pass
		2437	/	/	1	17.824	>=0.5	Pass
		2462	/	/	1	17.953	>=0.5	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	18.581	>=0.5	Pass
		2437	RU242	Left	1	18.531	>=0.5	Pass
		2462	RU242	Left	1	18.502	>=0.5	Pass

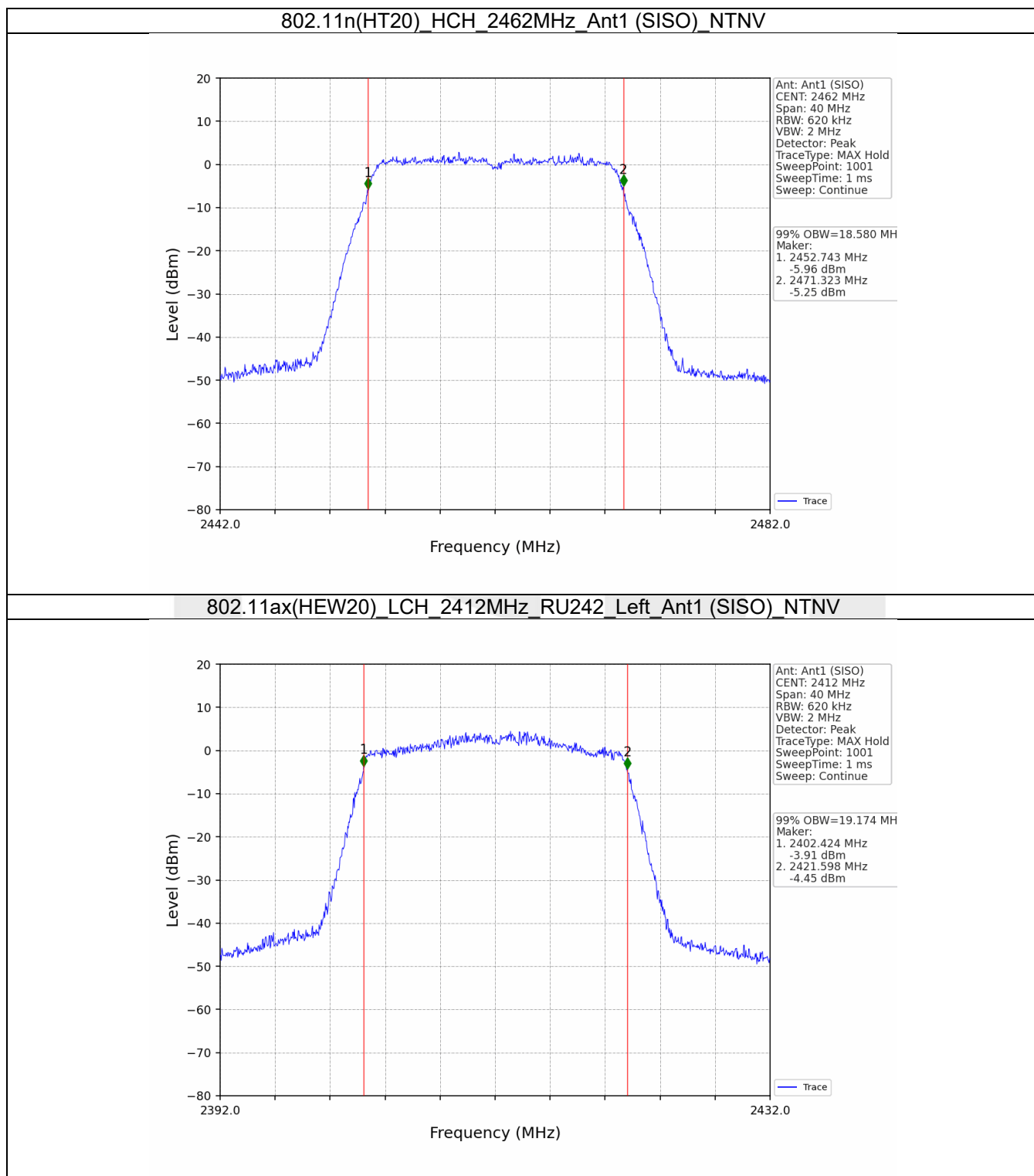
2.1.2 Test Graph

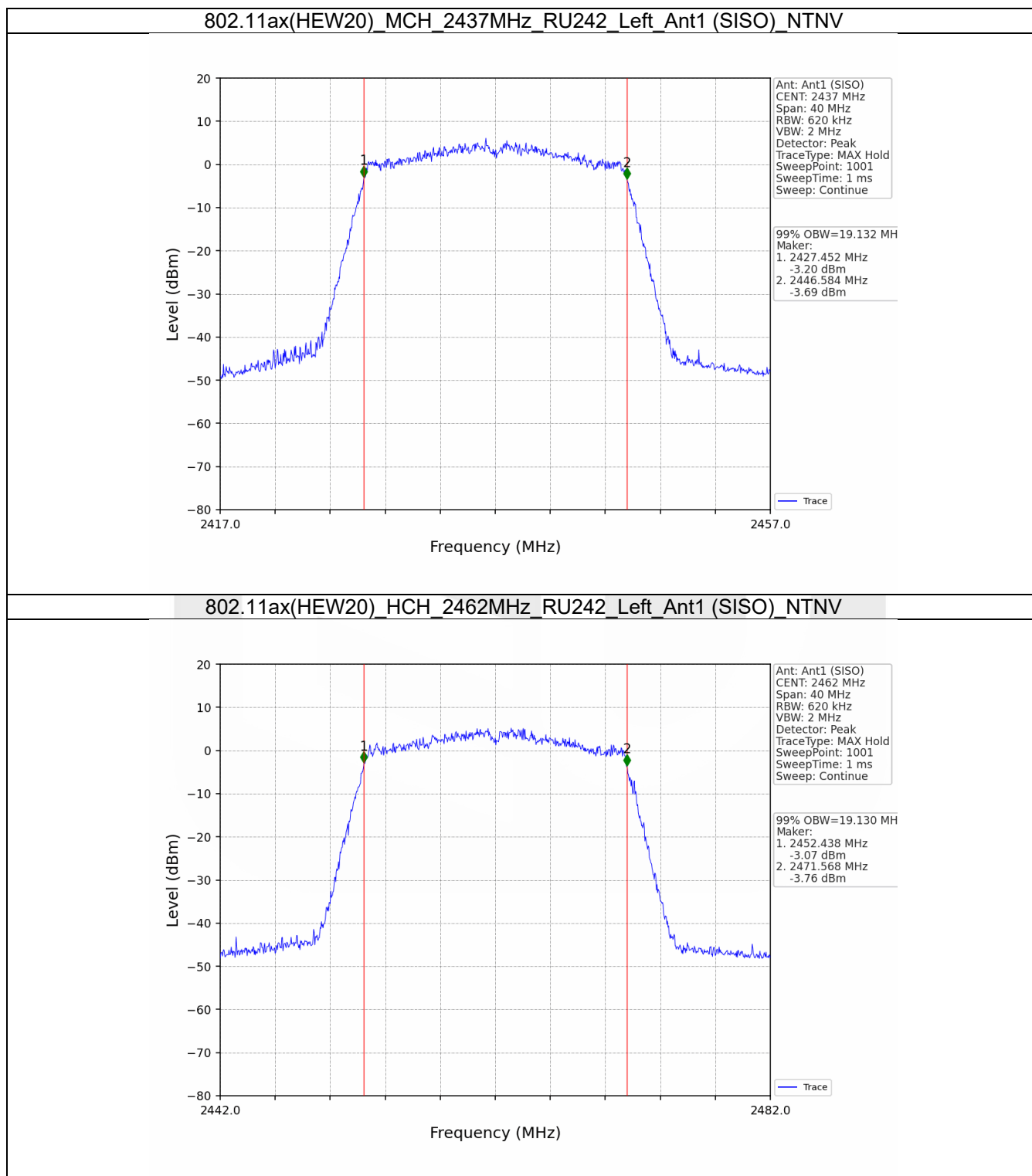




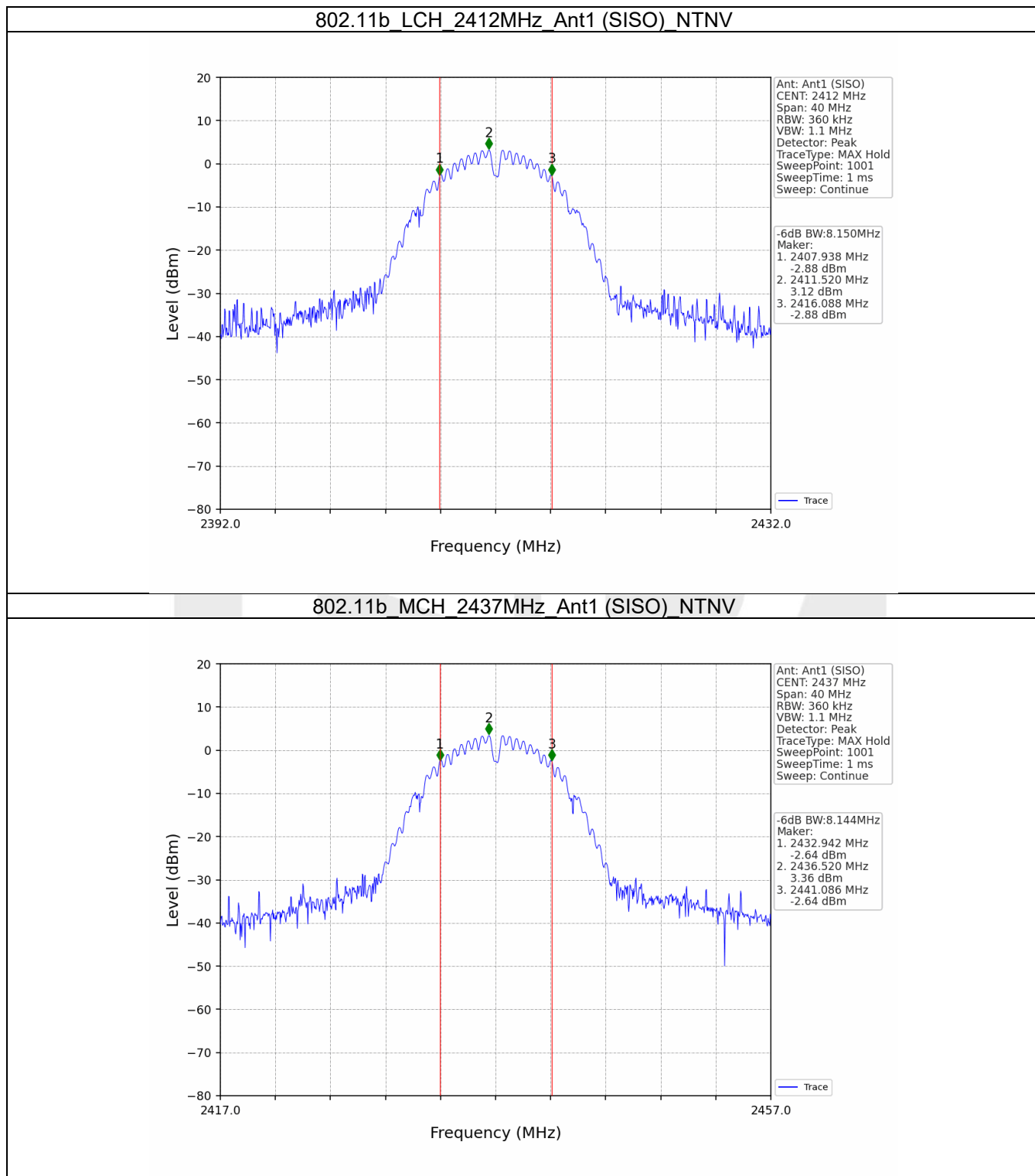


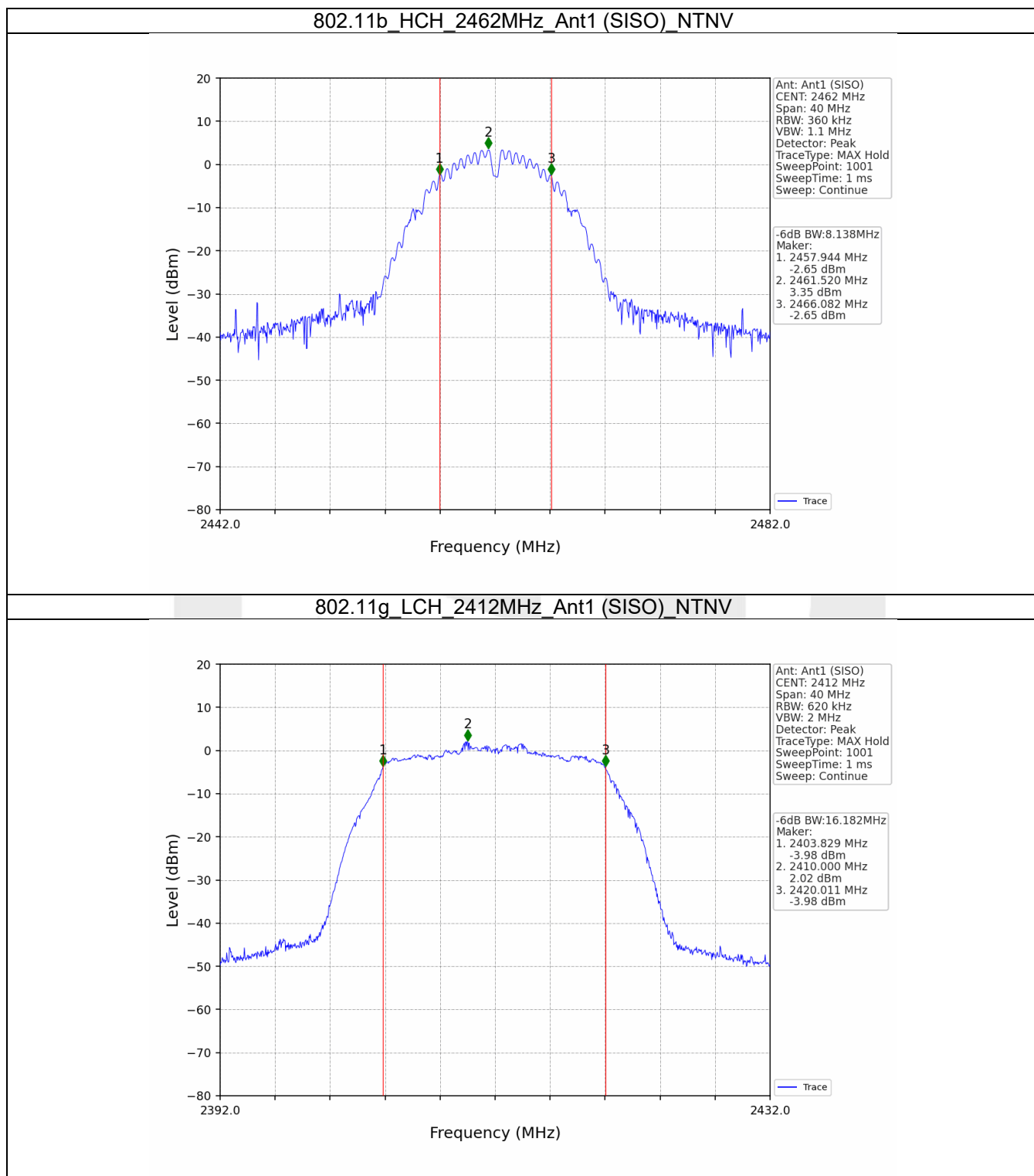


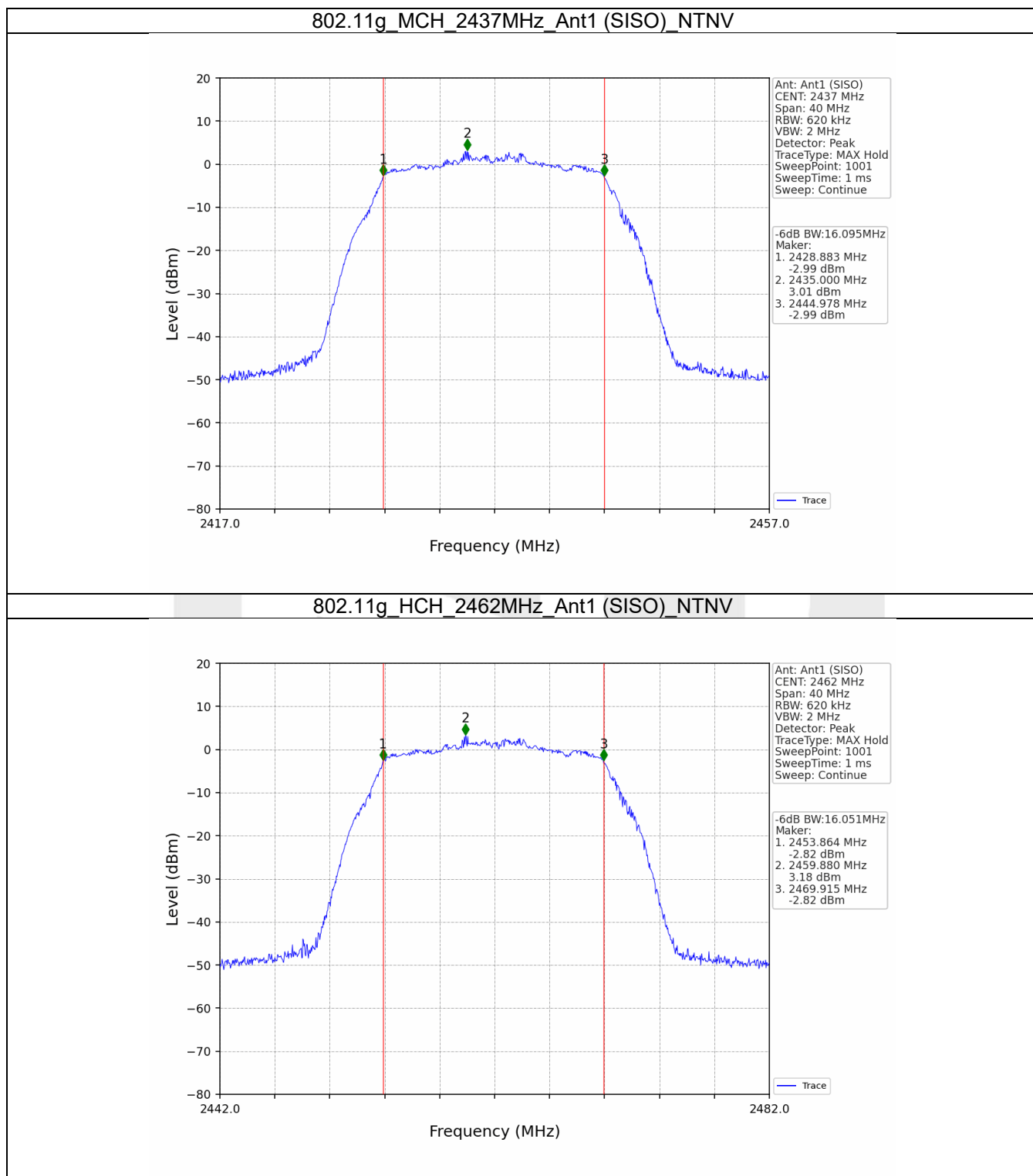


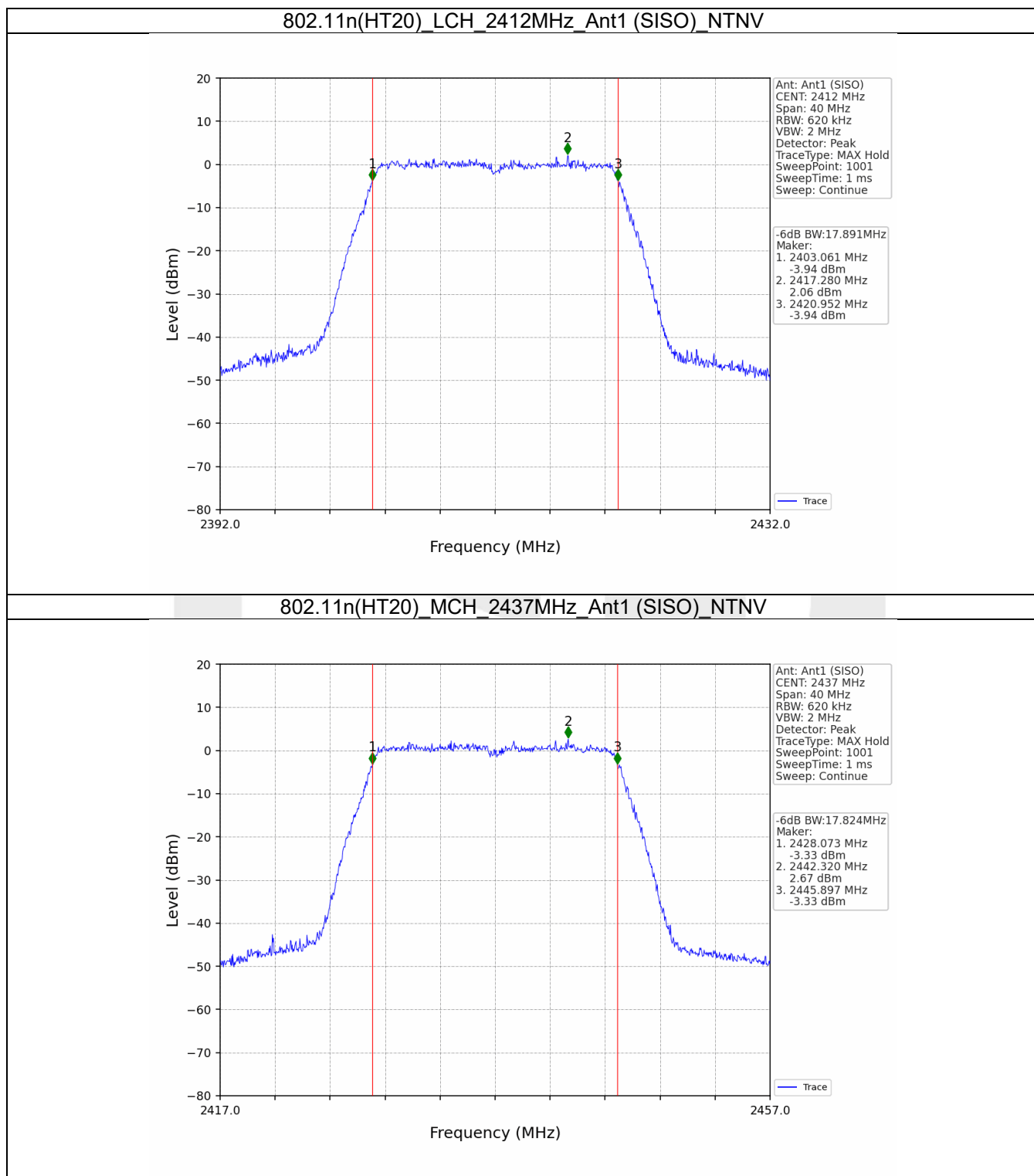


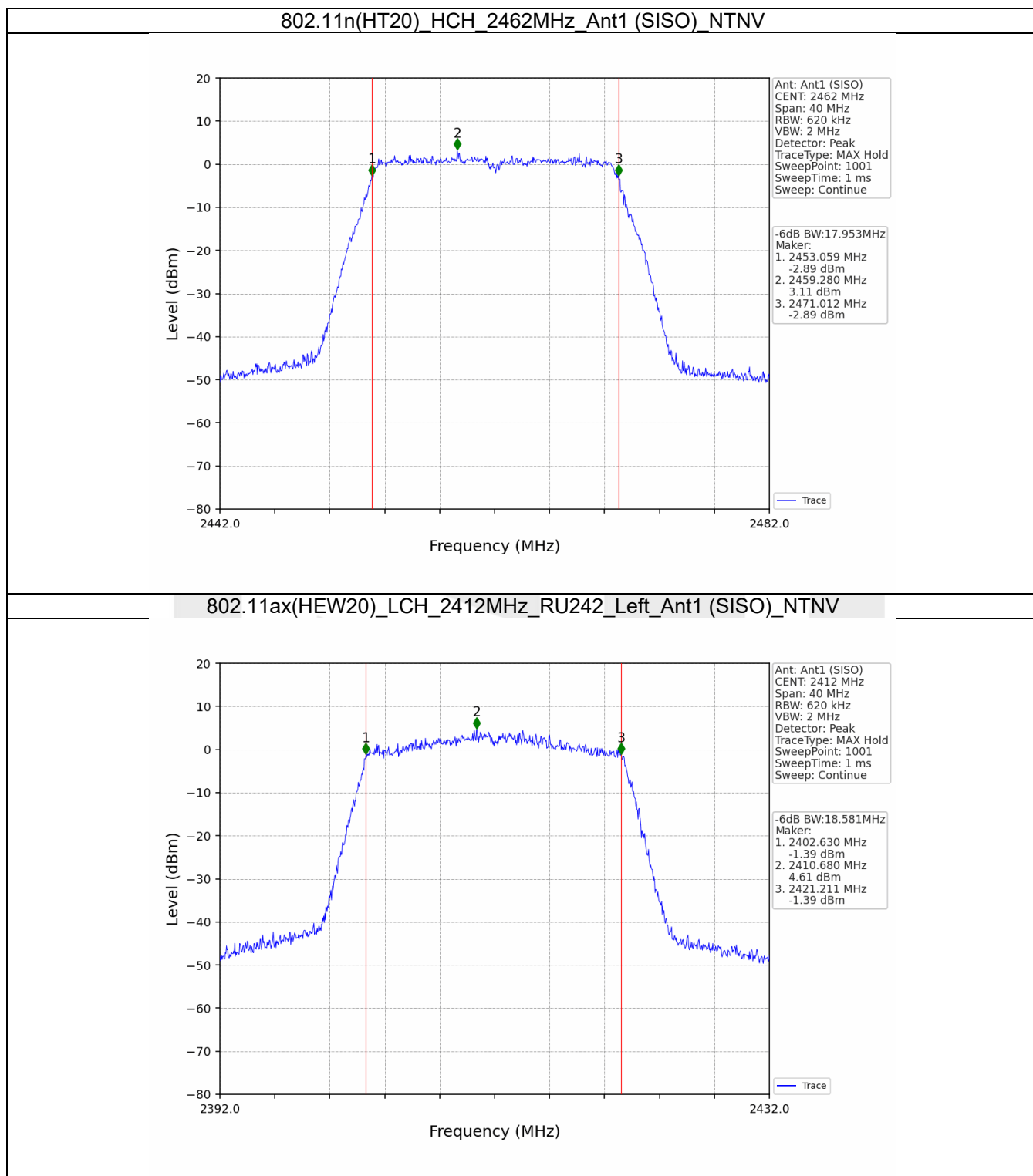
2.2.2 Test Graph



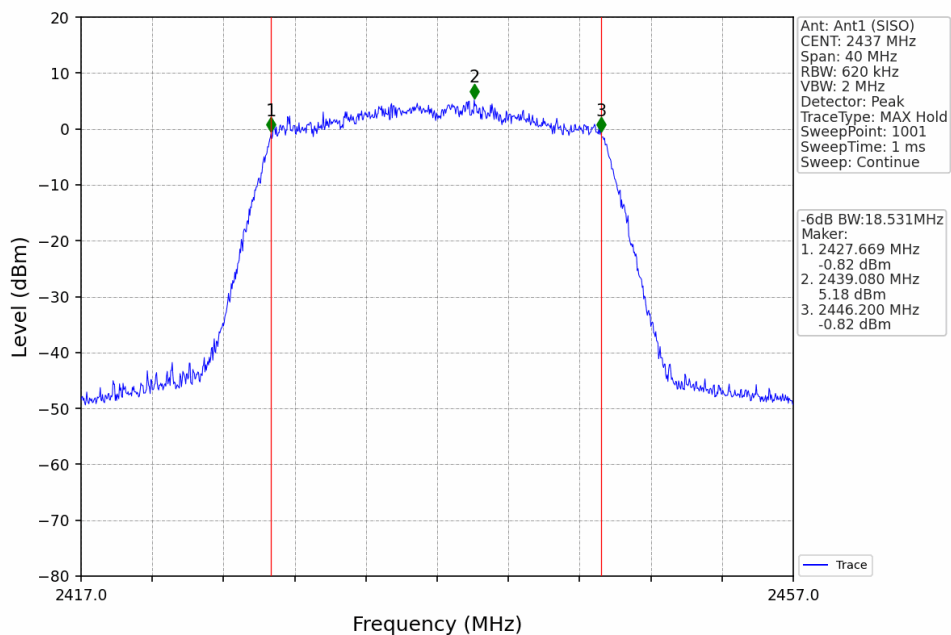




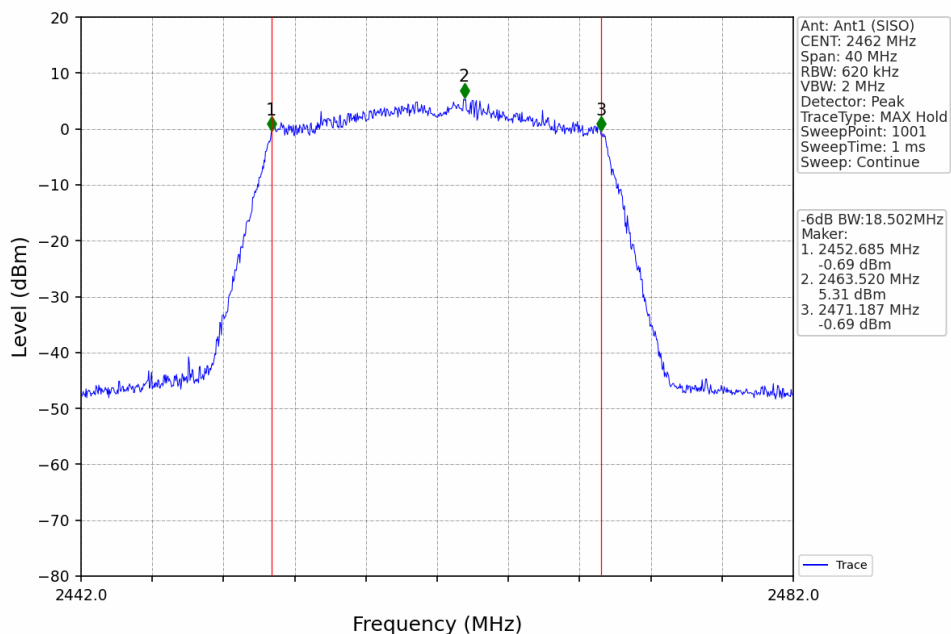




802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)			Verdict
					ANT1	ANT2	Limit	
802.11b	SISO	2412	/	/	13.10	14.68	<=30	Pass
		2437	/	/	13.39	14.82	<=30	Pass
		2462	/	/	13.37	14.46	<=30	Pass
802.11g	SISO	2412	/	/	13.80	15.86	<=30	Pass
		2437	/	/	14.71	16.11	<=30	Pass
		2462	/	/	14.80	15.87	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	14.22	16.46	<=30	Pass
		2437	/	/	14.78	16.28	<=30	Pass
		2462	/	/	15.07	15.99	<=30	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	15.52	17.43	<=30	Pass
		2437	RU242	Left	16.13	17.78	<=30	Pass
		2462	RU242	Left	16.13	17.91	<=30	Pass

Note1: Antenna Gain: Ant1: 3.39dBi; Ant2: 2.80dBi.

3.2 MIMO Power

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)		Verdict
					MIMO	Limit	
802.11b	SISO	2412	/	/	16.97	<=29.89	Pass
		2437	/	/	17.17	<=29.89	Pass
		2462	/	/	16.96	<=29.89	Pass
802.11g	SISO	2412	/	/	17.96	<=29.89	Pass
		2437	/	/	18.48	<=29.89	Pass
		2462	/	/	18.38	<=29.89	Pass
802.11n (HT20)	SISO	2412	/	/	18.49	<=29.89	Pass
		2437	/	/	18.60	<=29.89	Pass
		2462	/	/	18.56	<=29.89	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	19.59	<=29.89	Pass
		2437	RU242	Left	20.04	<=29.89	Pass
		2462	RU242	Left	20.12	<=29.89	Pass

Note1: Antenna Gain: Ant1: 3.39dBi; Ant2: 2.80dBi, Correlated antenna gain=6.11dBi.;
Limit= 30-(6.11-6)=30-0.11=29.89

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)			Verdict
					ANT1	ANT2	Limit	
802.11b	SISO	2412	/	/	-12.10	-10.54	<=8	Pass
		2437	/	/	-11.60	-10.12	<=8	Pass
		2462	/	/	-10.76	-10.94	<=8	Pass
802.11g	SISO	2412	/	/	-18.54	-15.91	<=8	Pass
		2437	/	/	-17.56	-16.27	<=8	Pass
		2462	/	/	-18.42	-16.49	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-20.19	-18.61	<=8	Pass
		2437	/	/	-19.87	-17.38	<=8	Pass
		2462	/	/	-19.70	-17.08	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	-19.14	-16.60	<=8	Pass
		2437	RU242	Left	-18.85	-16.88	<=8	Pass
		2462	RU242	Left	-19.24	-17.19	<=8	Pass

Note1: Antenna Gain: Ant1: 3.39dBi; Ant2: 2.80dBi.

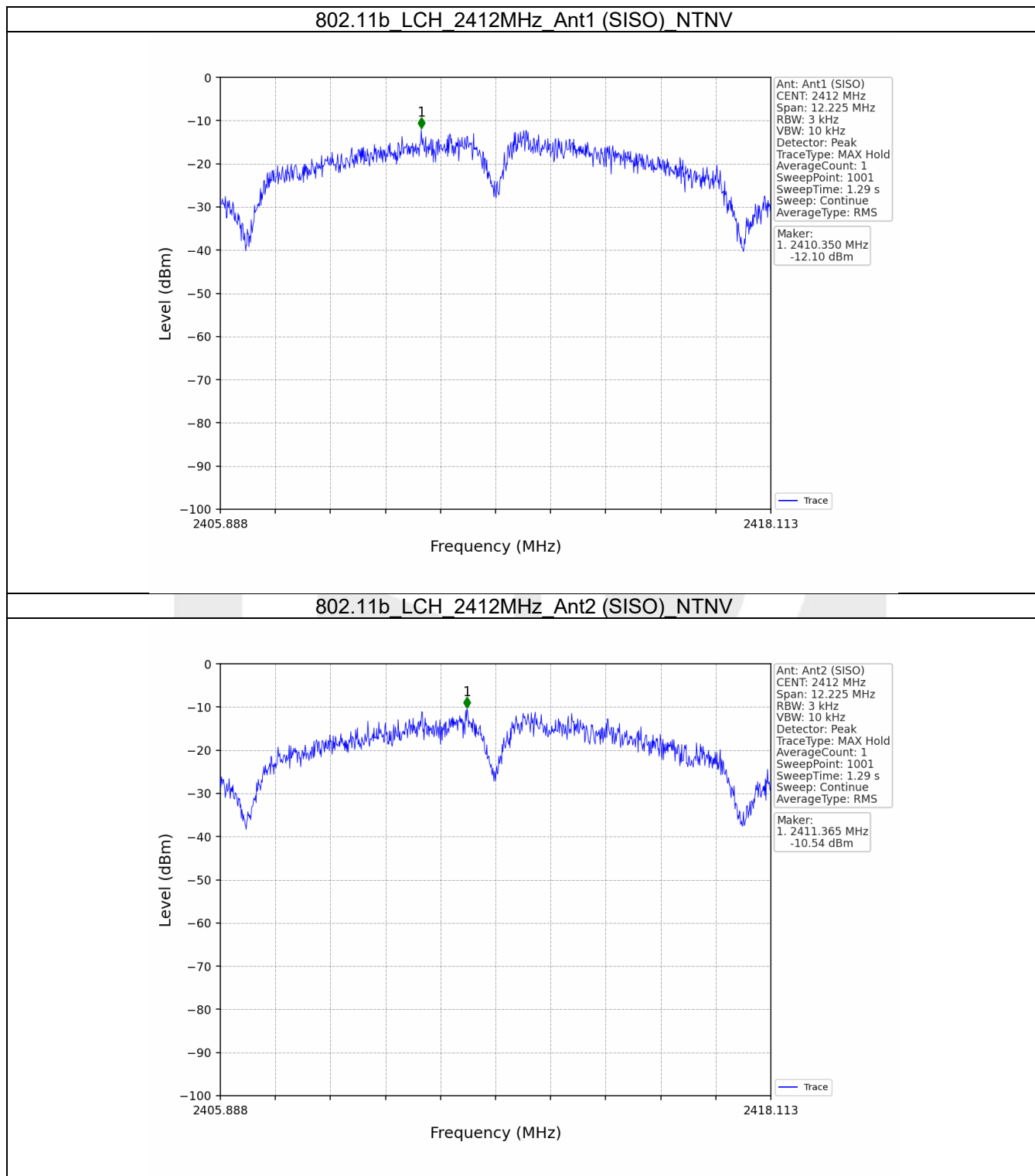
4.1 MIMO PSD

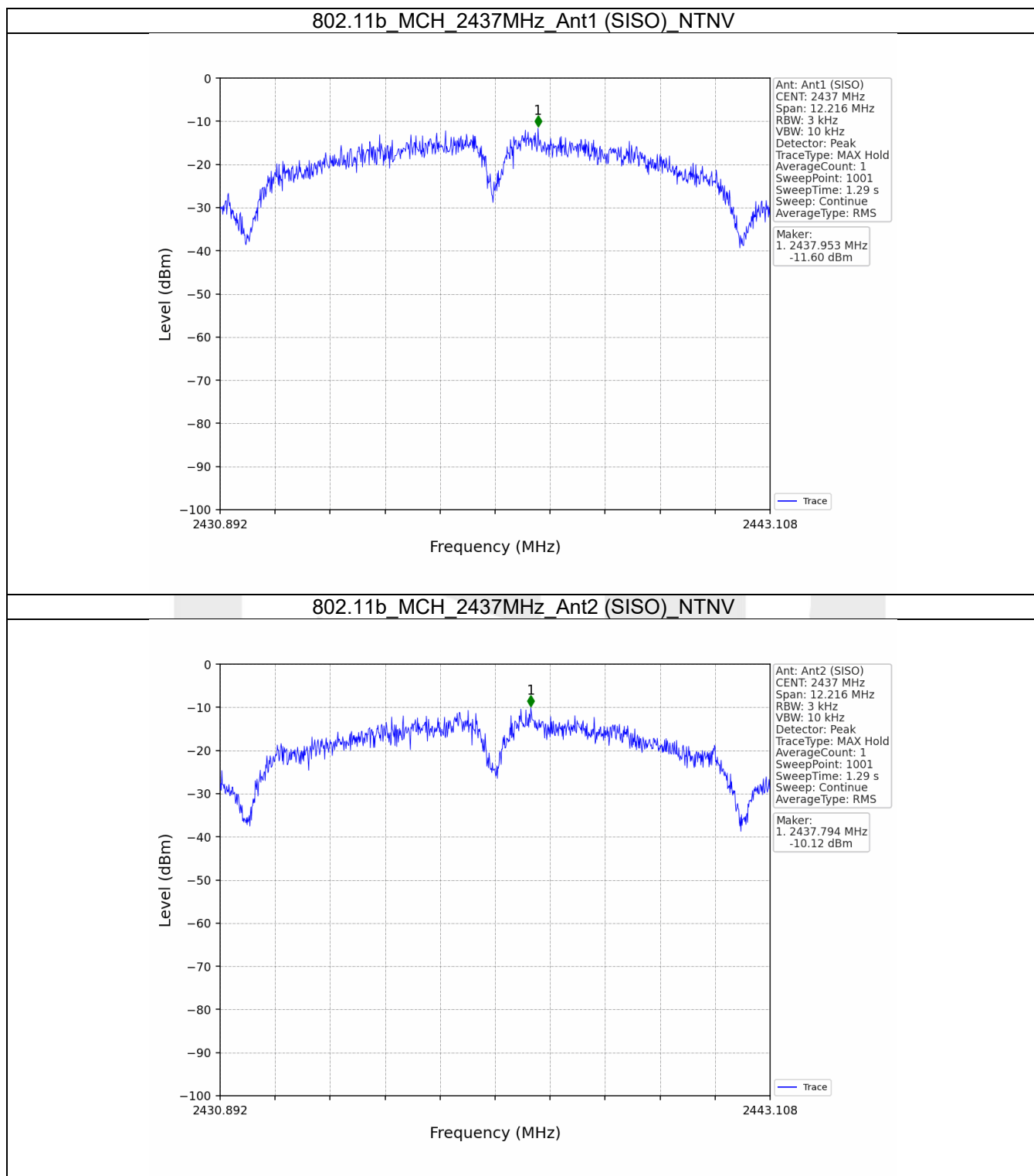
4.1.1 Test Result

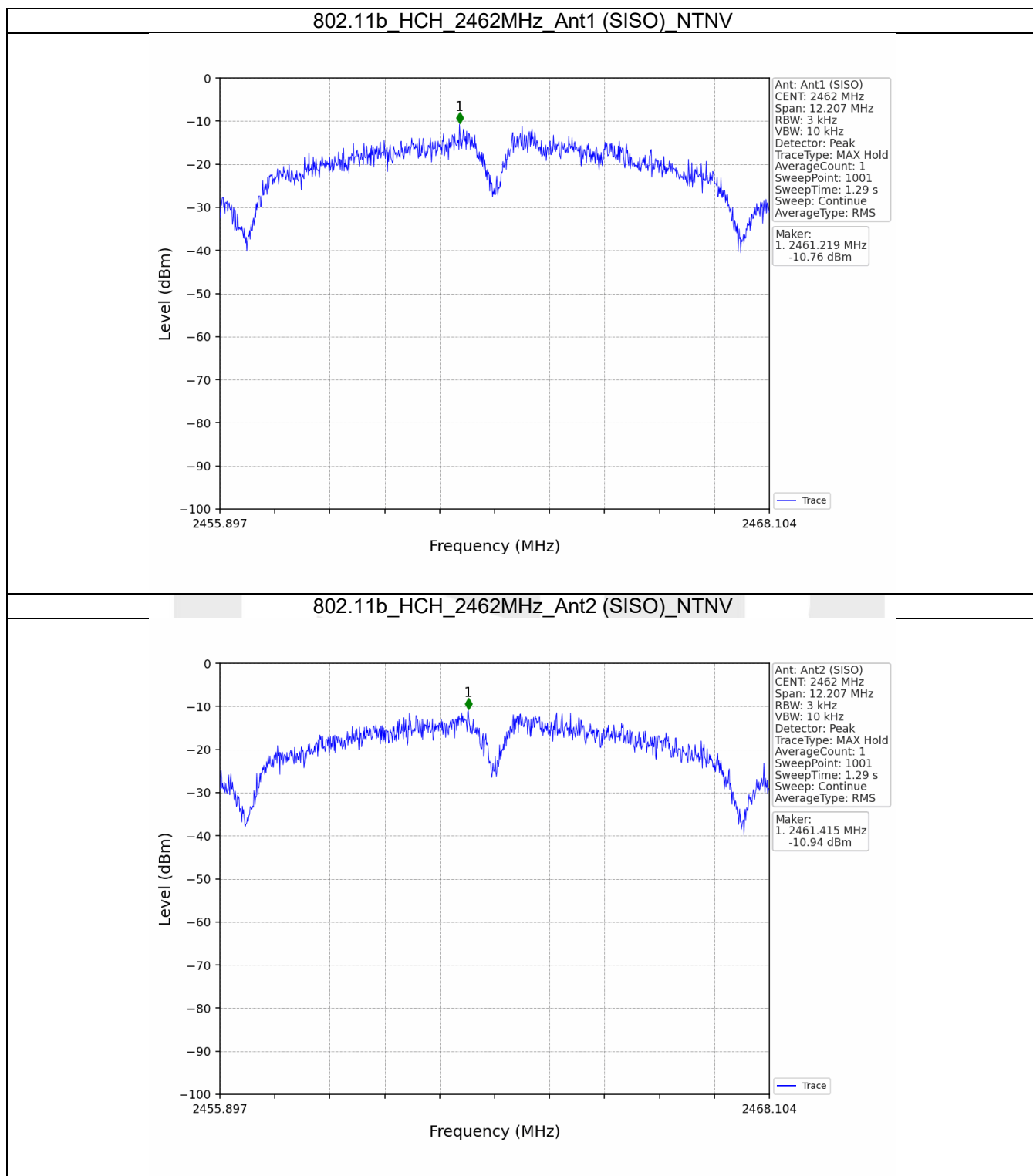
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					MIMO	Limit	
802.11b	SISO	2412	/	/	-8.24	<=7.89	Pass
		2437	/	/	-7.79	<=7.89	Pass
		2462	/	/	-7.84	<=7.89	Pass
802.11g	SISO	2412	/	/	-14.02	<=7.89	Pass
		2437	/	/	-13.86	<=7.89	Pass
		2462	/	/	-14.34	<=7.89	Pass
802.11n (HT20)	SISO	2412	/	/	-16.32	<=7.89	Pass
		2437	/	/	-15.44	<=7.89	Pass
		2462	/	/	-15.19	<=7.89	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	-14.68	<=7.89	Pass
		2437	RU242	Left	-14.74	<=7.89	Pass
		2462	RU242	Left	-15.08	<=7.89	Pass

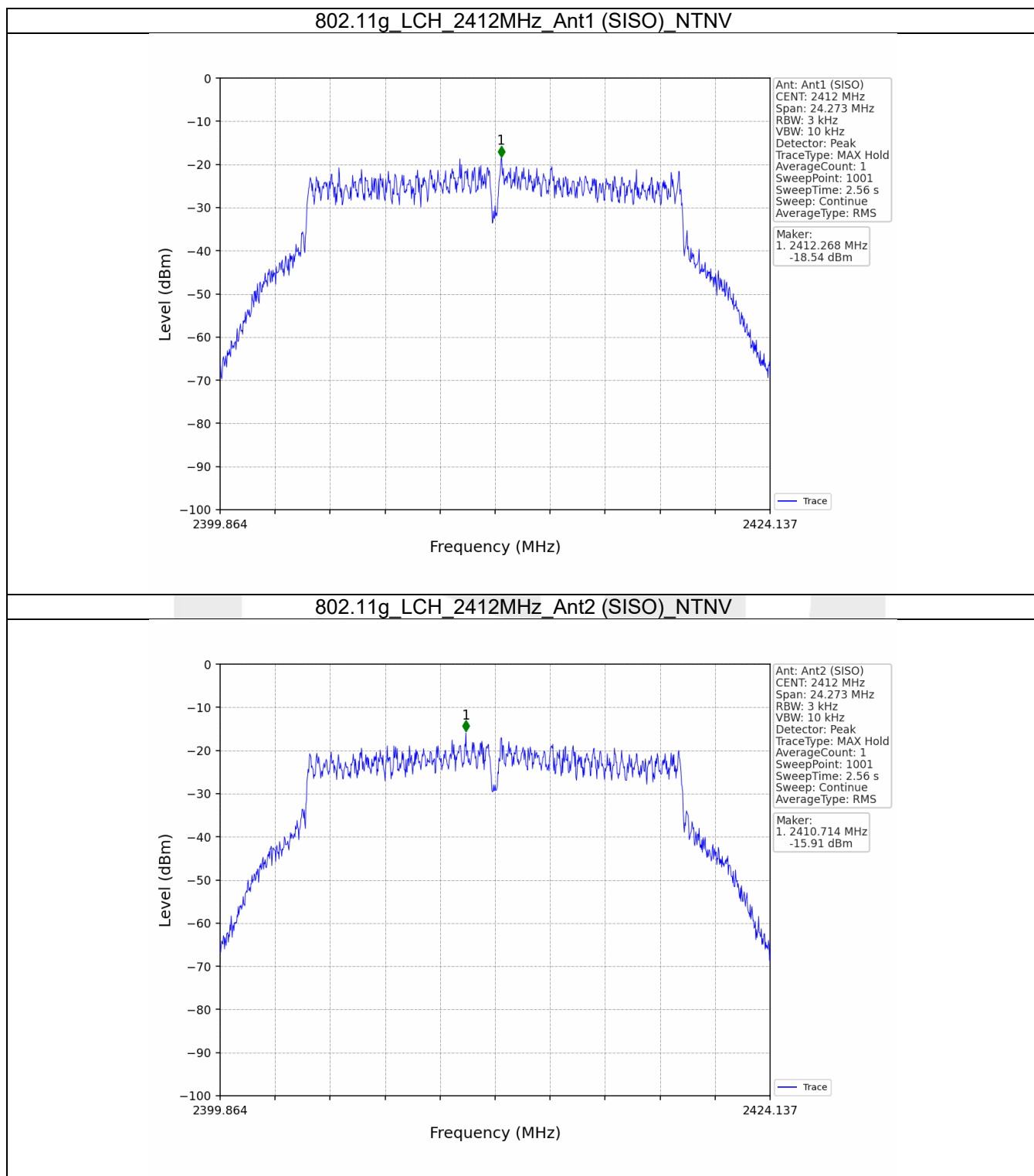
Note1: Antenna Gain: Ant1: 3.39dBi; Ant2: 2.80dBi, Correlated antenna gain=6.11dBi.;
Limit=8-(6.11-6)=8-0.11=7.89

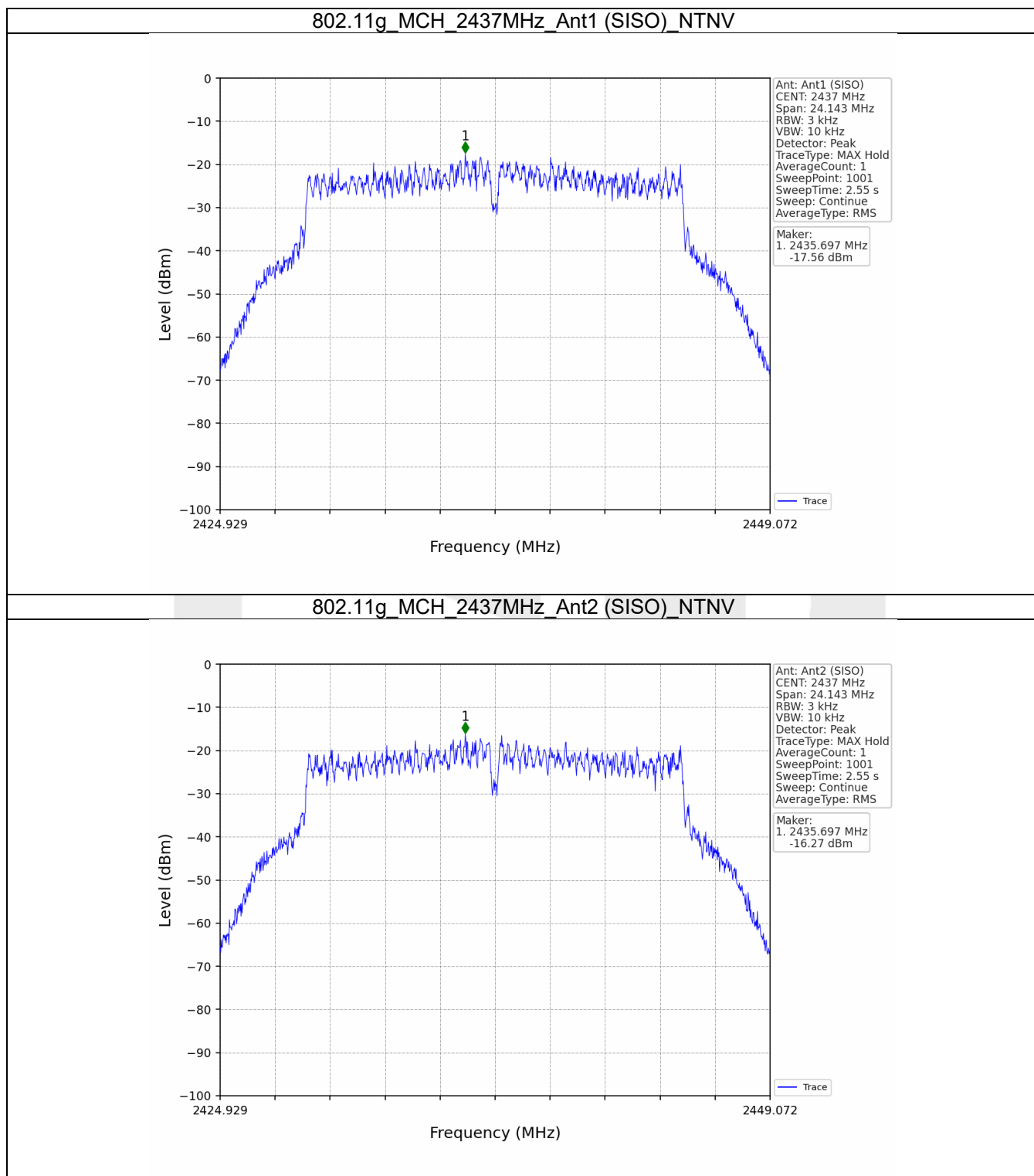
4.1.2 Test Graph

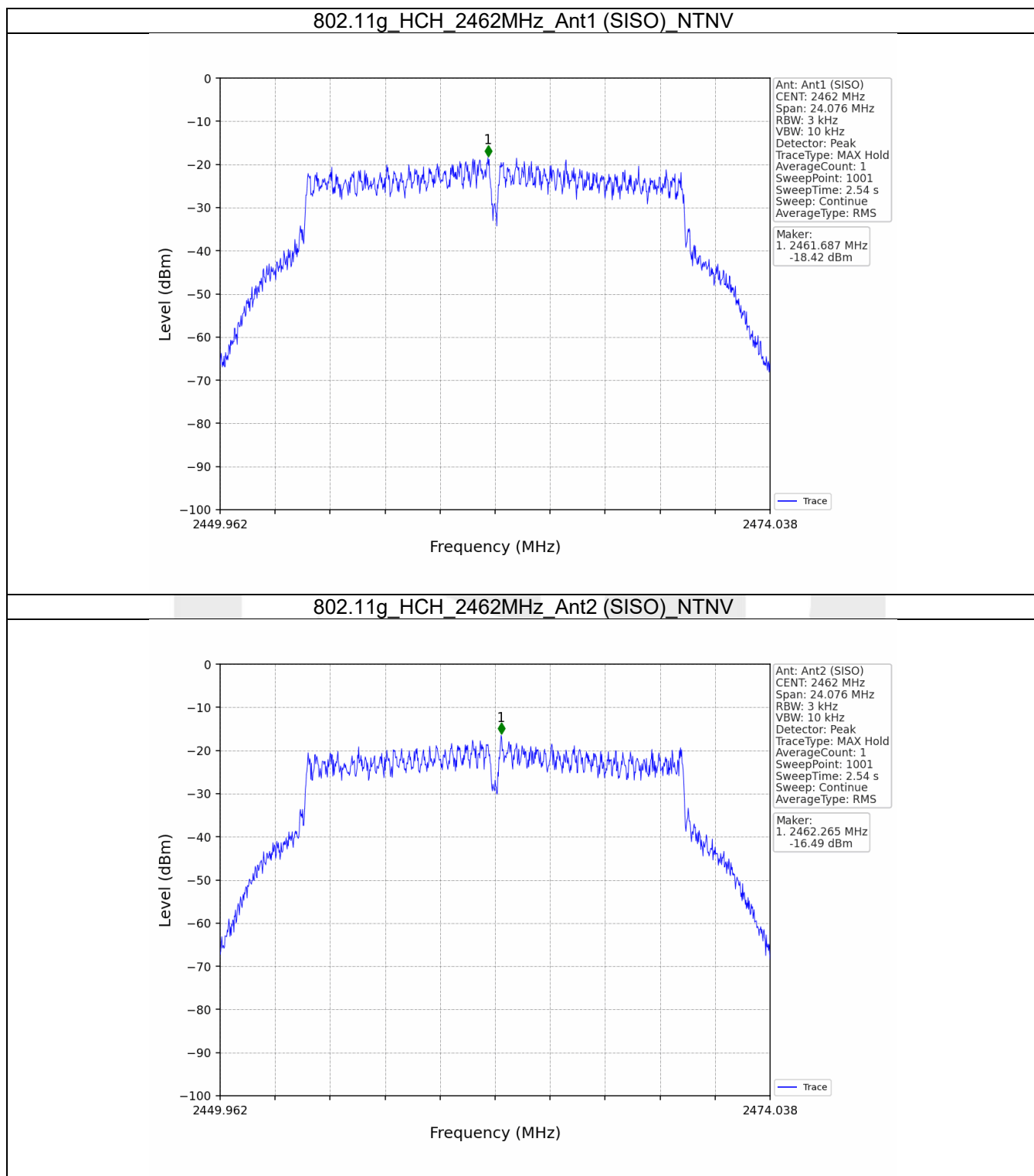


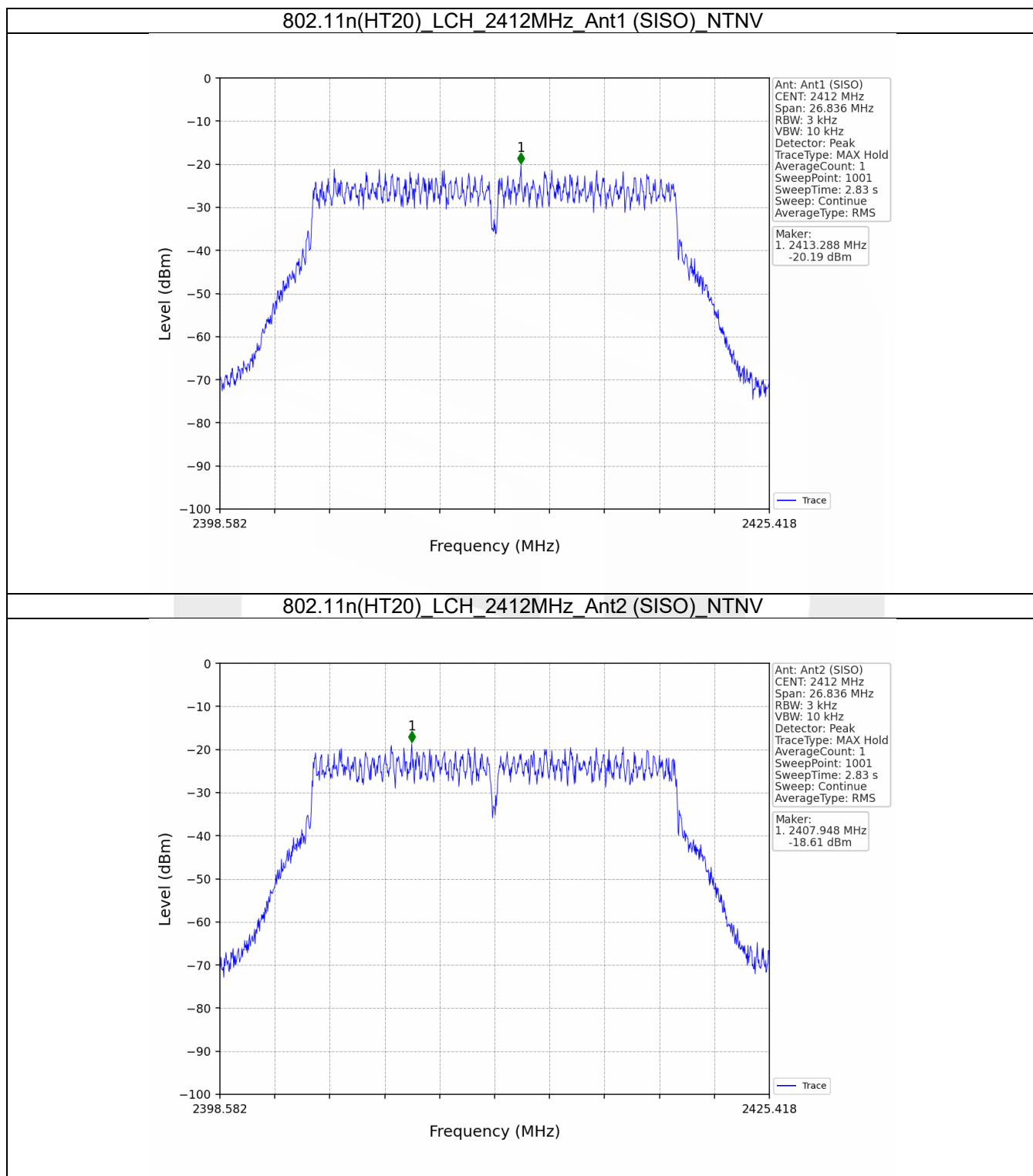


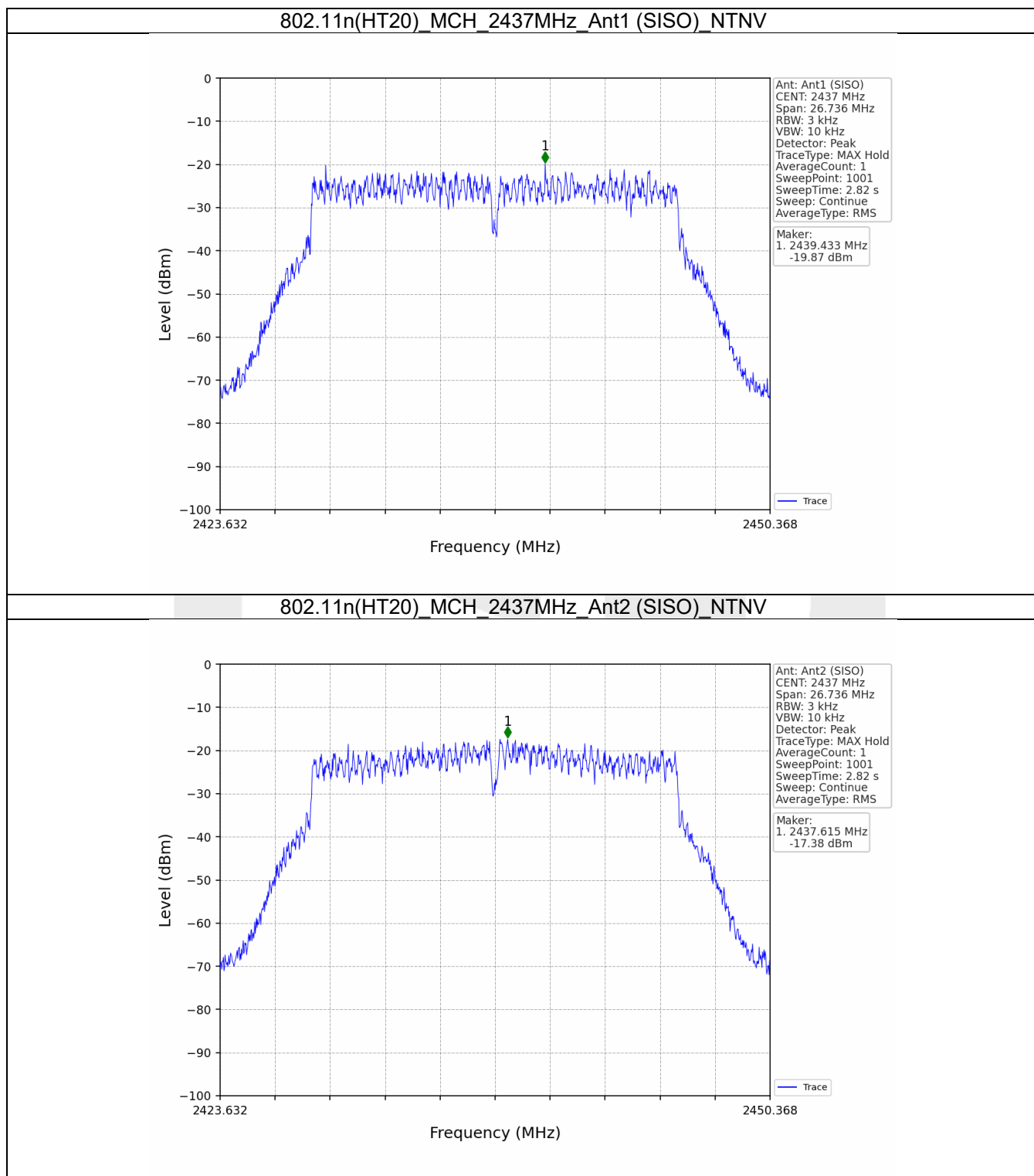


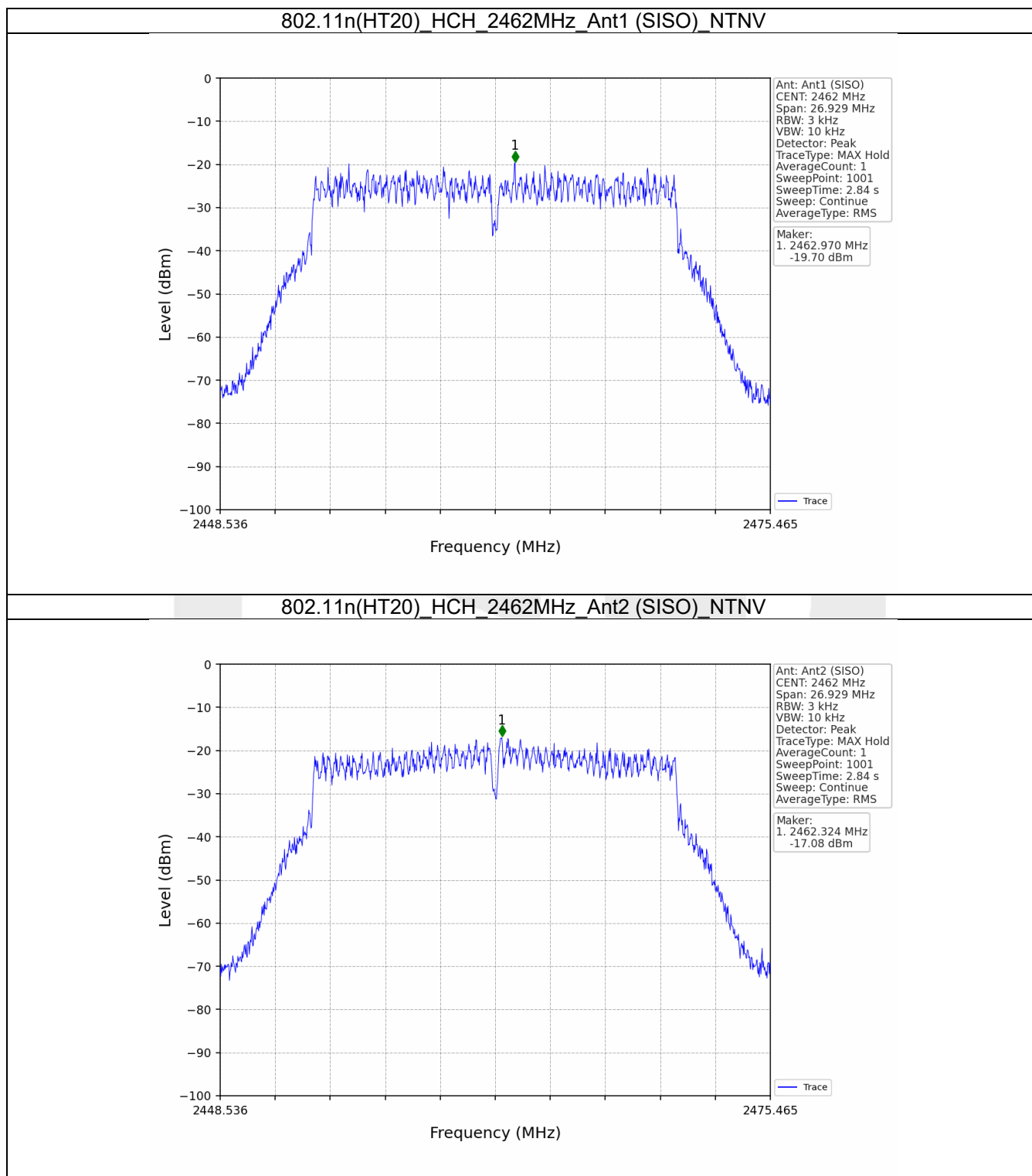


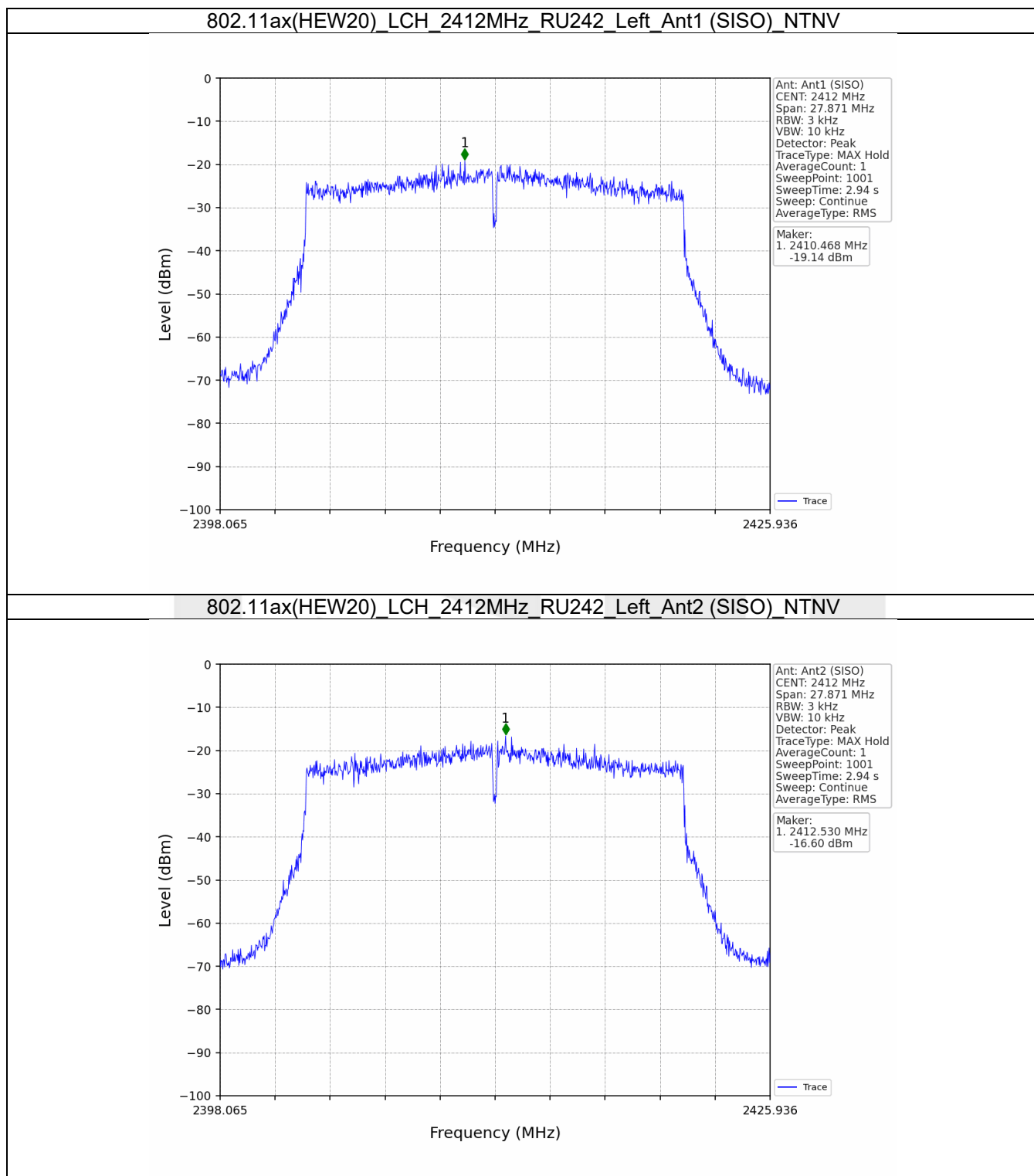


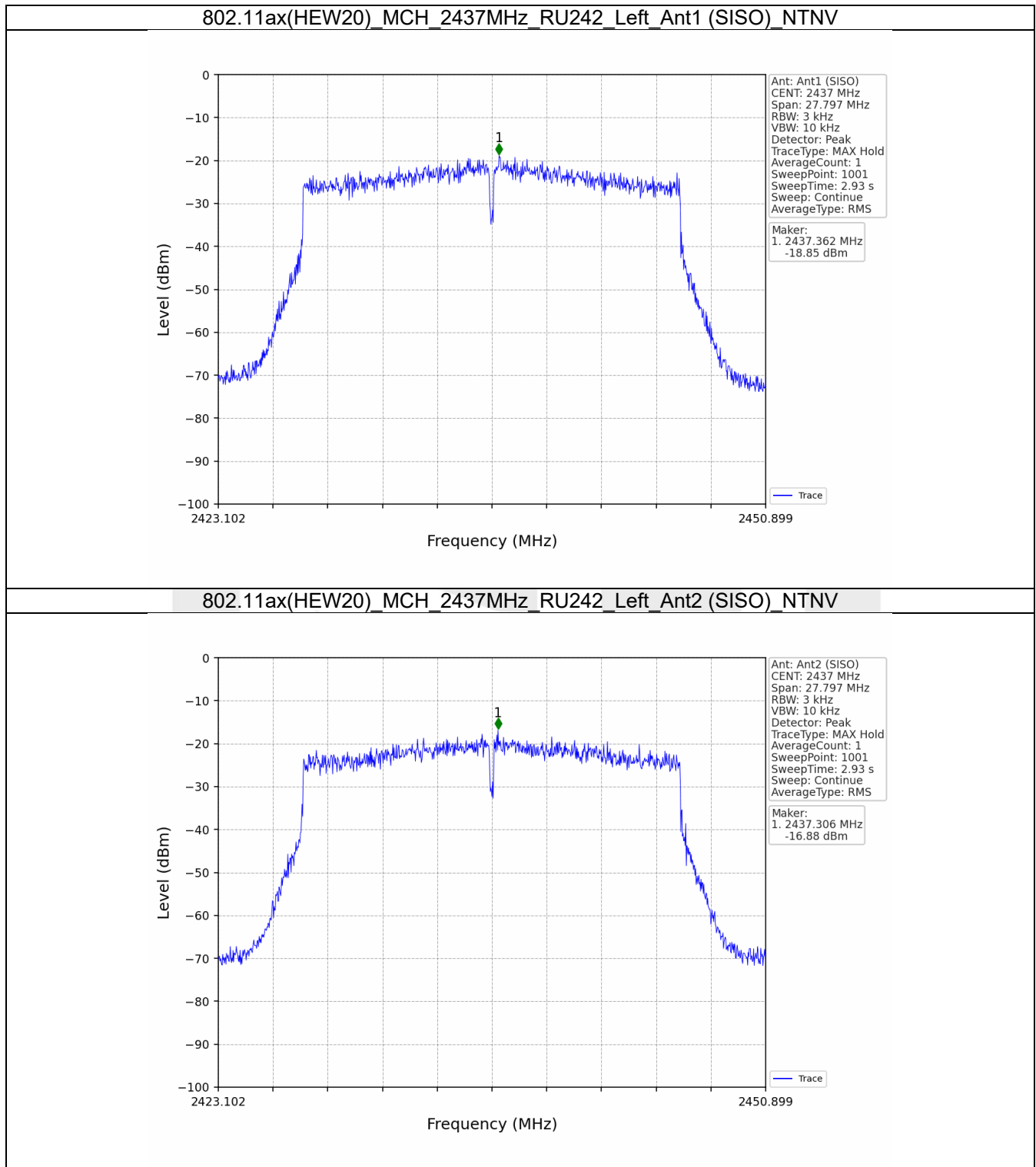




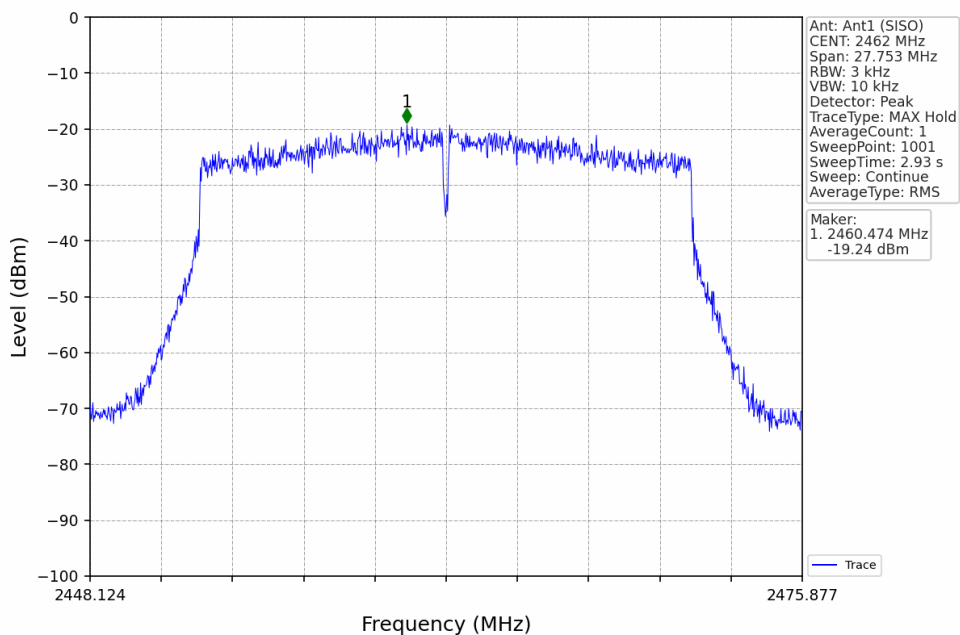




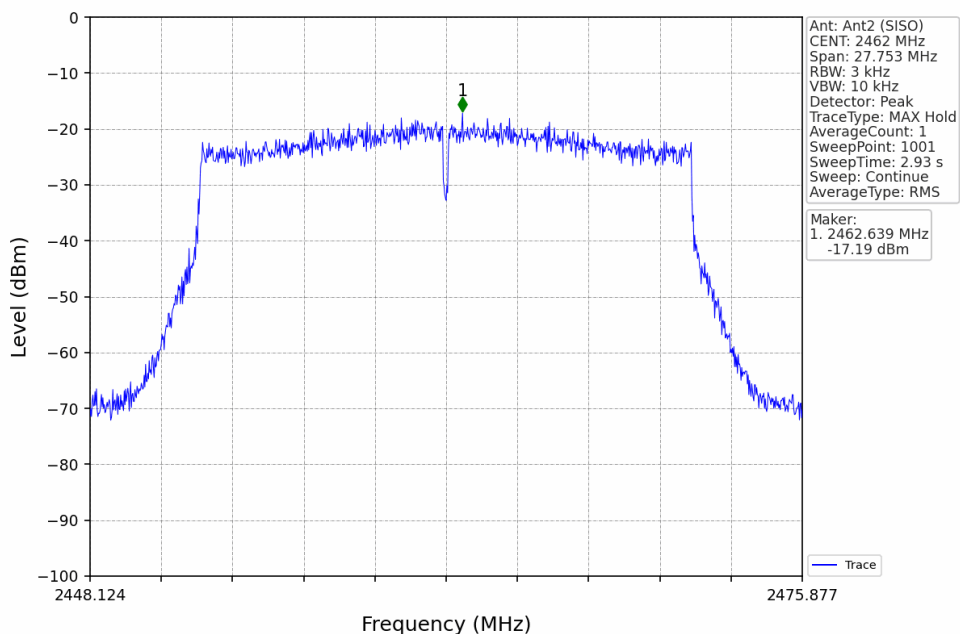




802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	1.42
		2437	/	/	1	1.47
		2462	/	/	1	1.62
802.11g	SISO	2412	/	/	1	1.05
		2437	/	/	1	1.59
		2462	/	/	1	1.75
802.11n (HT20)	SISO	2412	/	/	1	1.47
		2437	/	/	1	1.80
		2462	/	/	1	1.92
802.11ax (HEW20)	SISO	2412	RU242	Left	1	1.25
		2437	RU242	Left	1	1.86
		2462	RU242	Left	1	1.84

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.

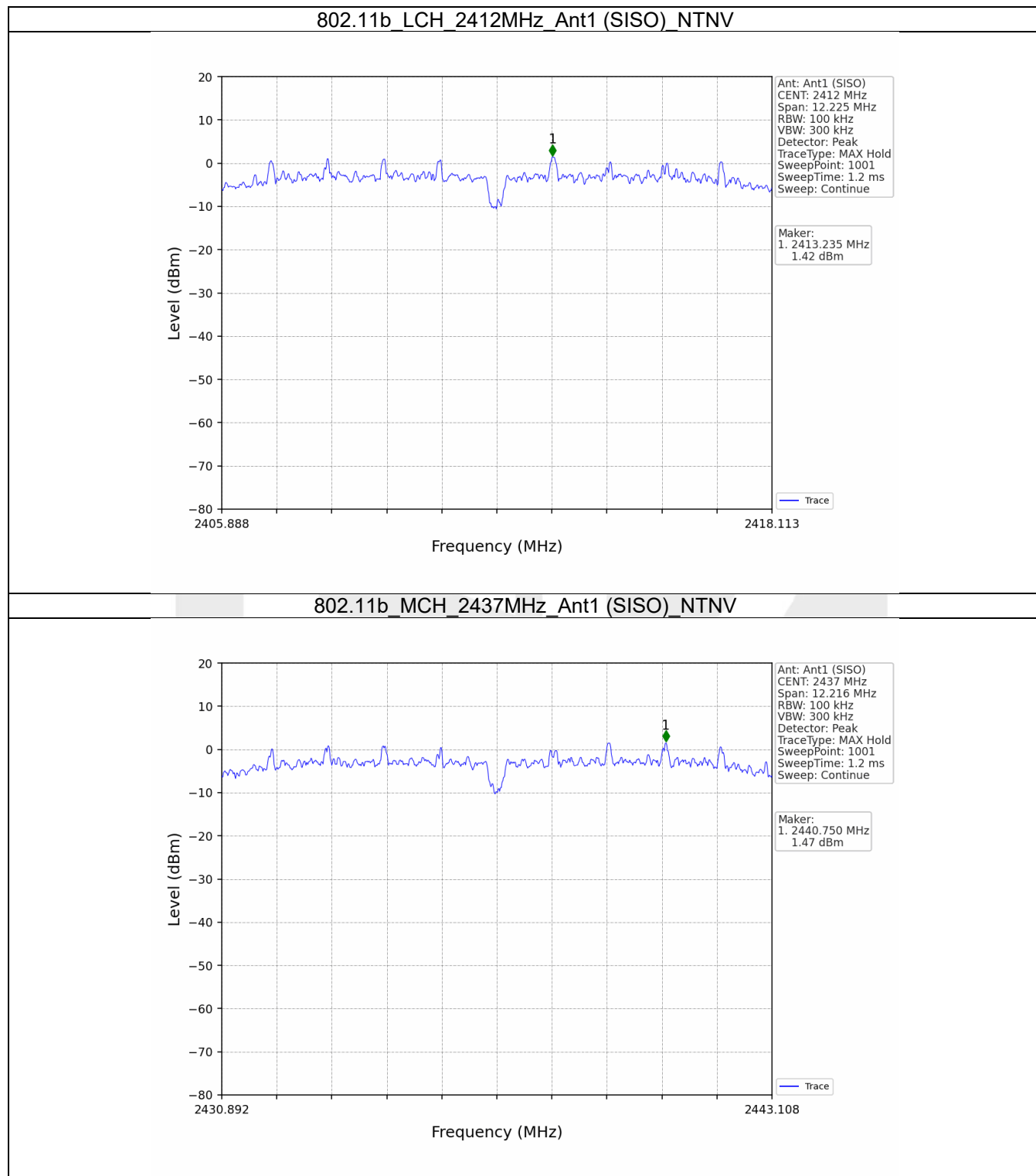
5.1.2 CSE

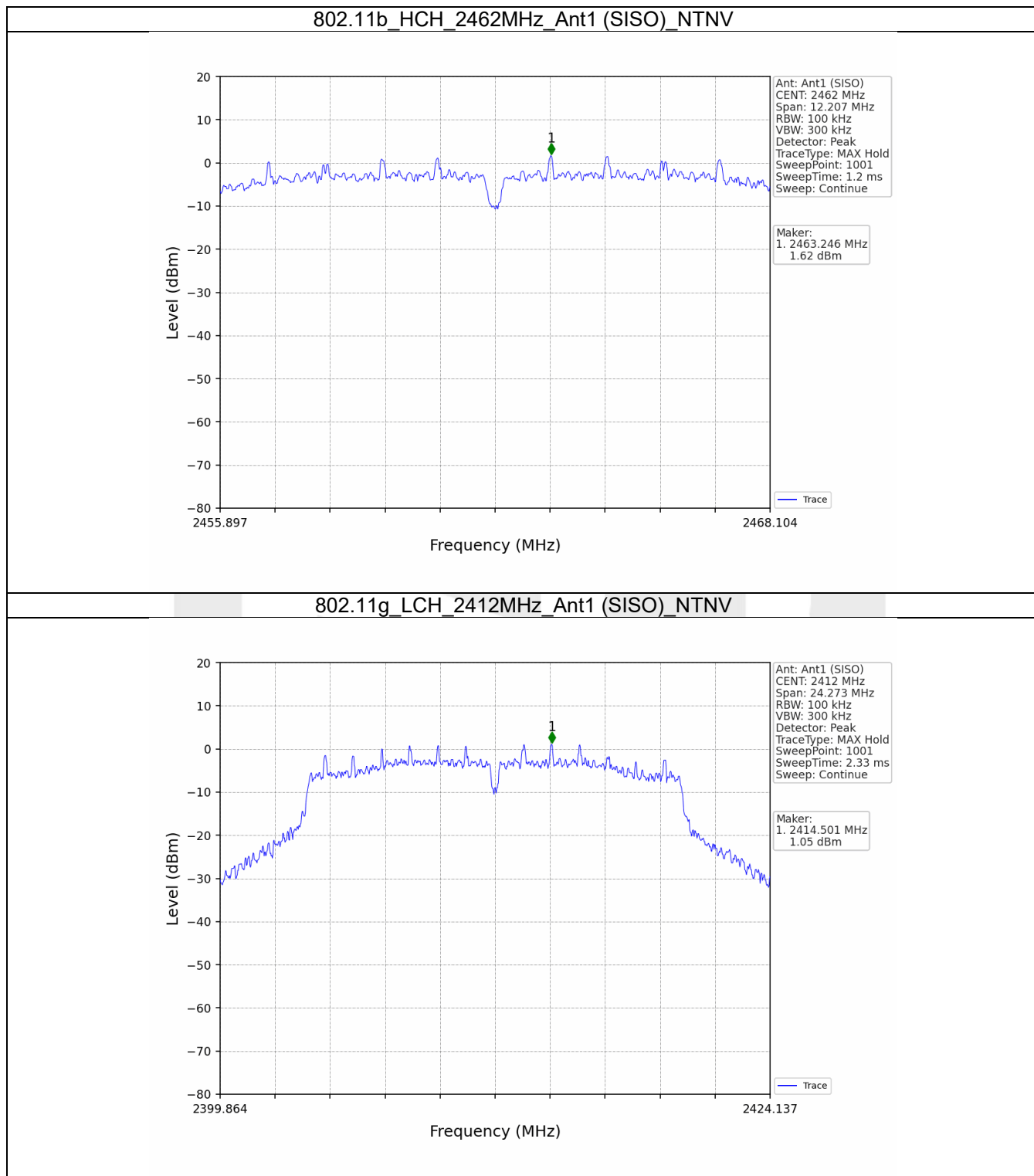
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	1.62	-28.38	Pass
		2437	/	/	1	1.62	-28.38	Pass
		2462	/	/	1	1.62	-28.38	Pass
802.11g	SISO	2412	/	/	1	1.75	-28.25	Pass
		2437	/	/	1	1.75	-28.25	Pass
		2462	/	/	1	1.75	-28.25	Pass
802.11n (HT20)	SISO	2412	/	/	1	1.92	-28.08	Pass
		2437	/	/	1	1.92	-28.08	Pass
		2462	/	/	1	1.92	-28.08	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	1.86	-28.14	Pass
		2437	RU242	Left	1	1.86	-28.14	Pass
		2462	RU242	Left	1	1.86	-28.14	Pass

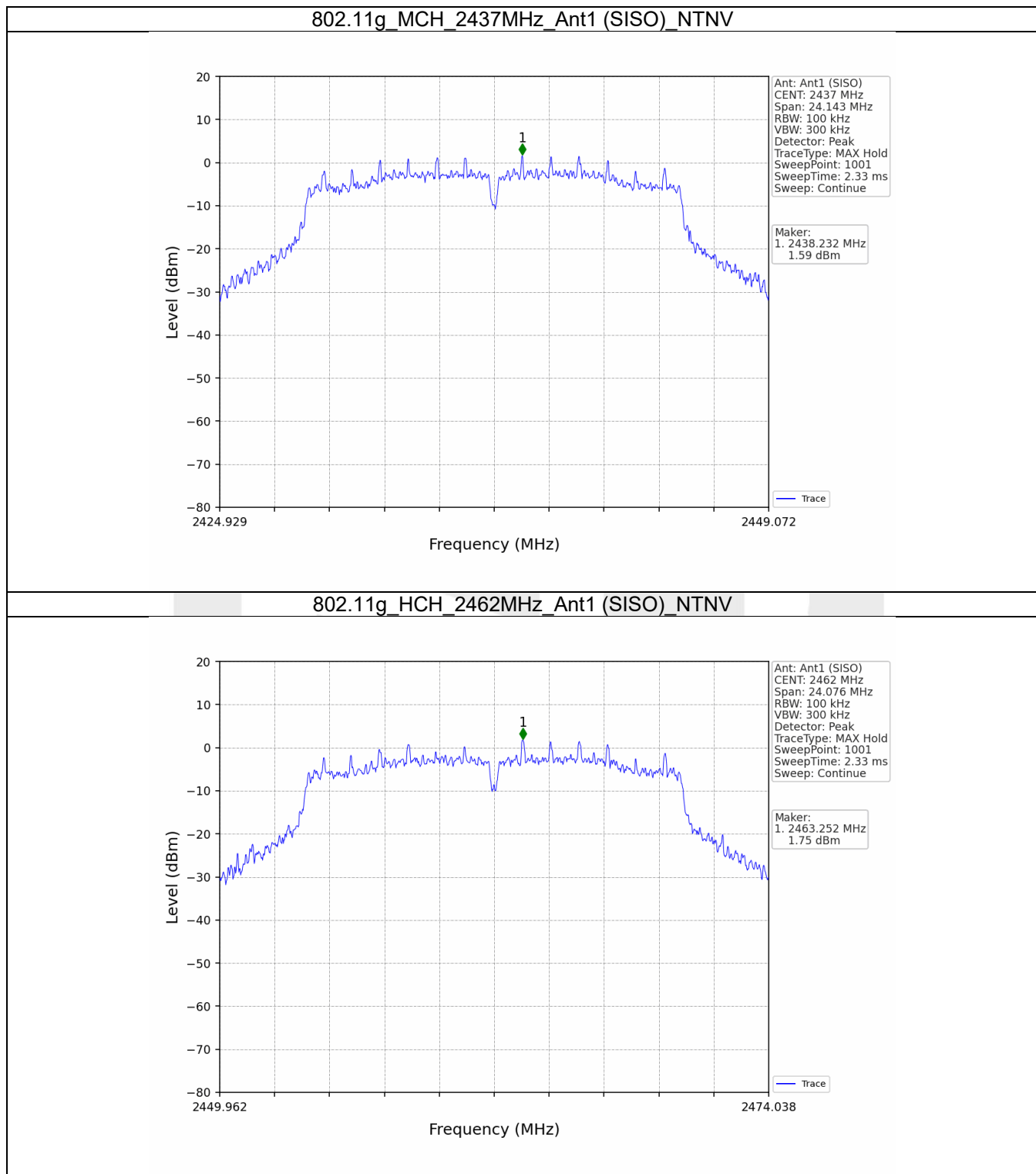
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

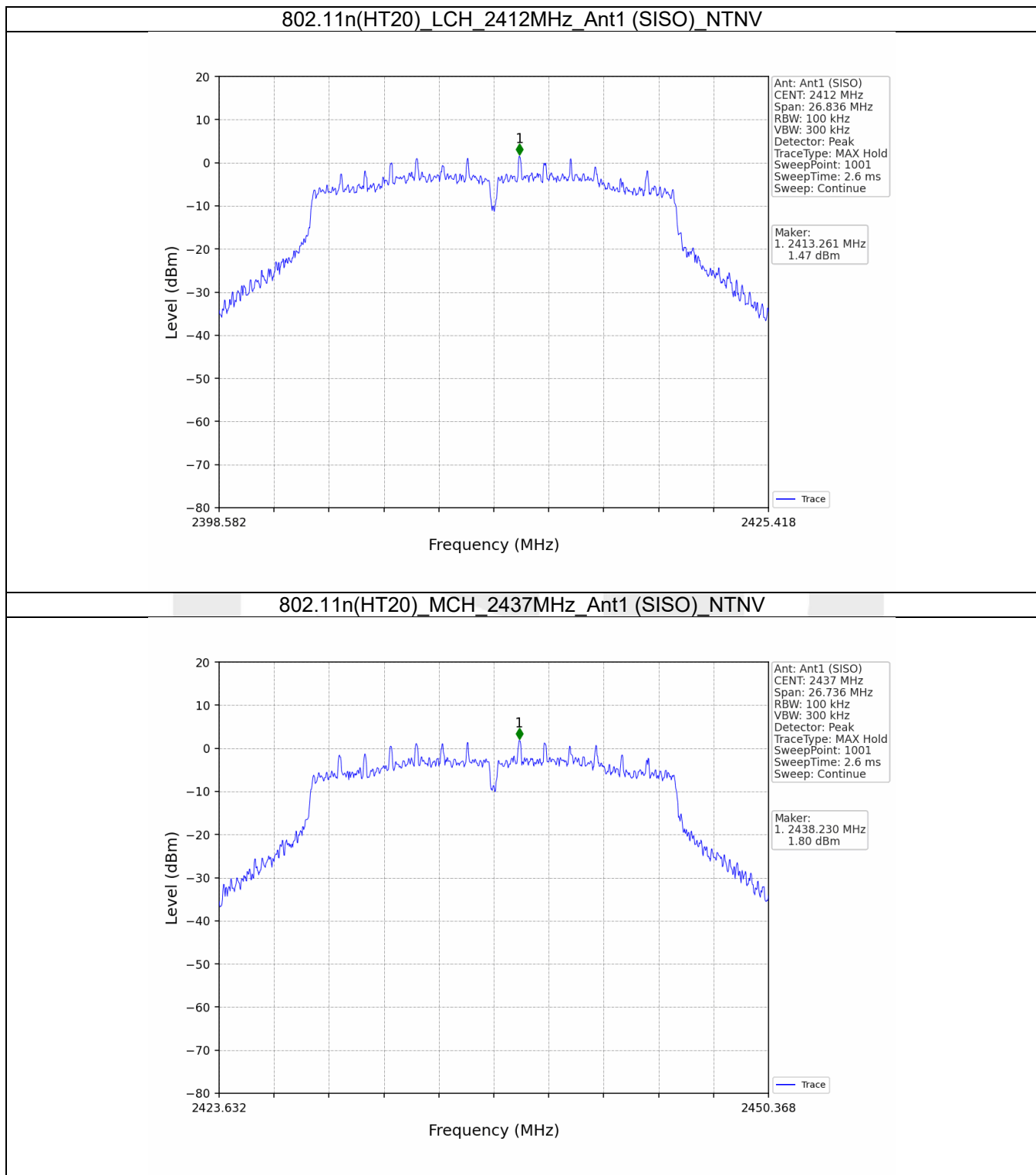
5.2 Test Graph

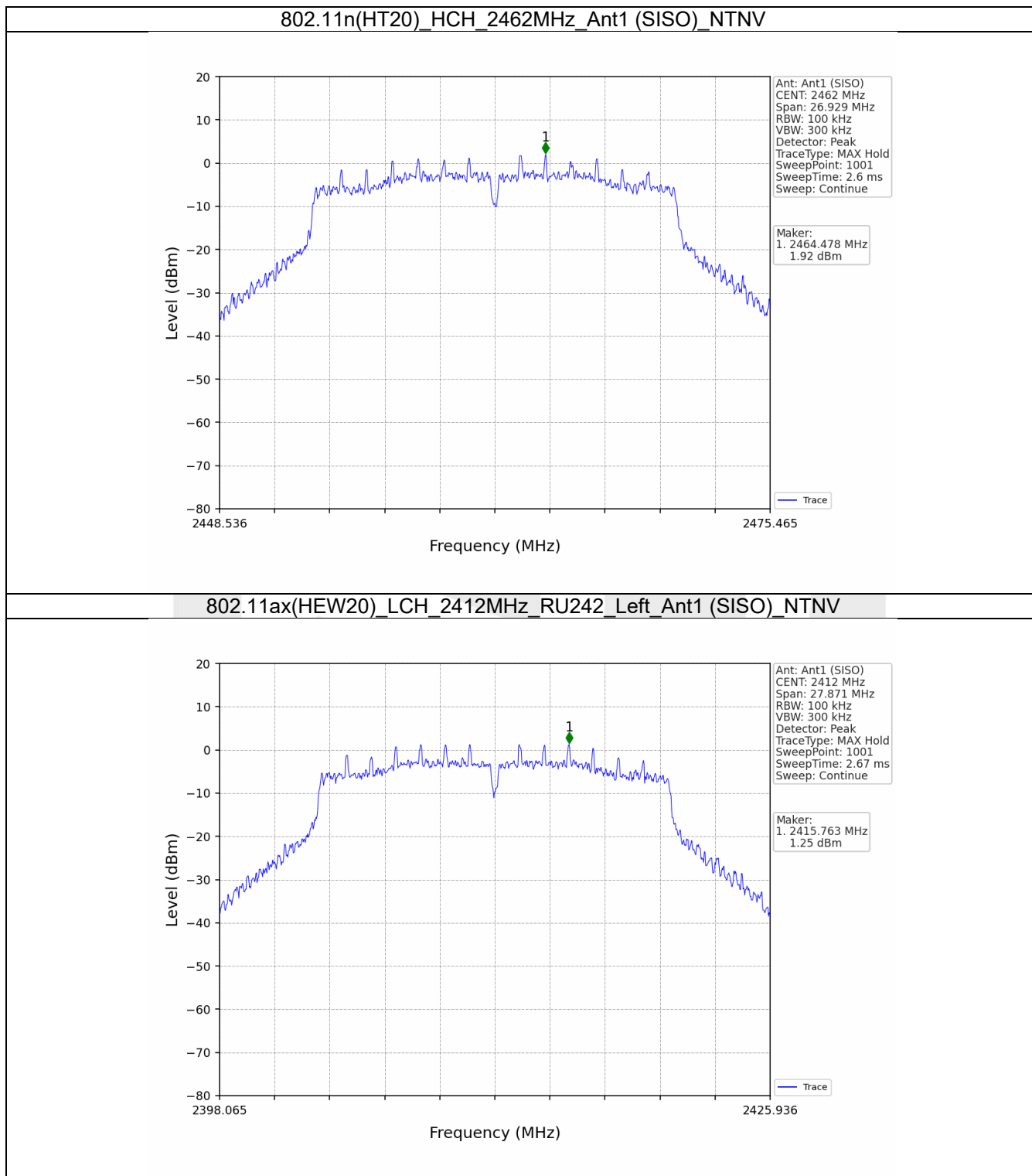
5.2.1 Ref



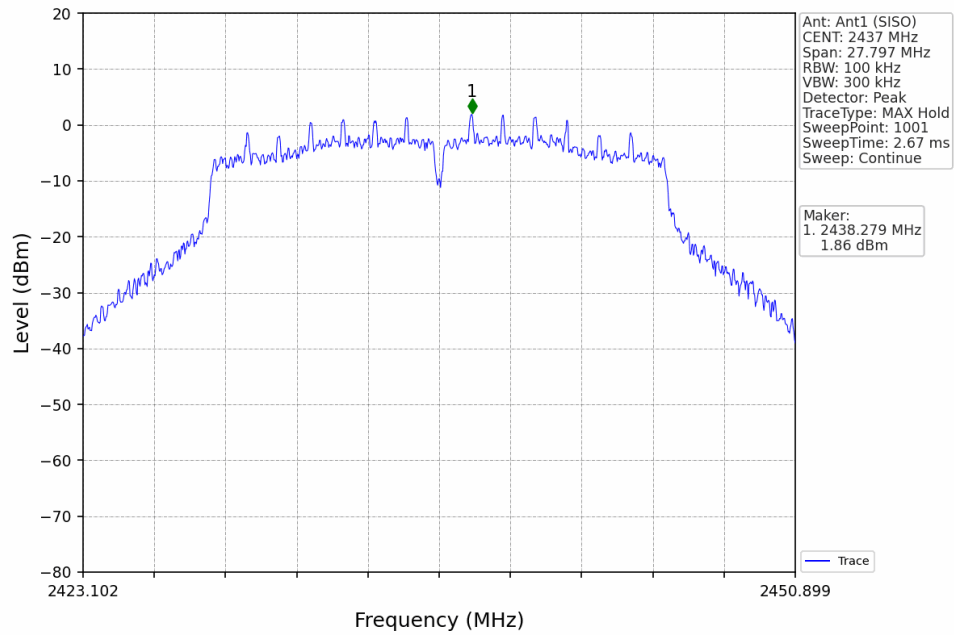




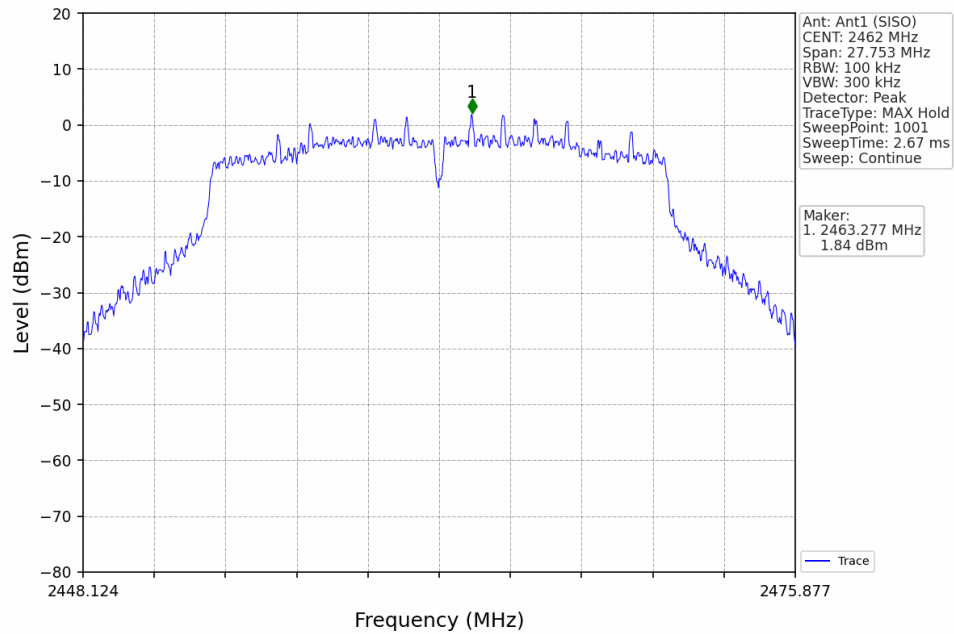




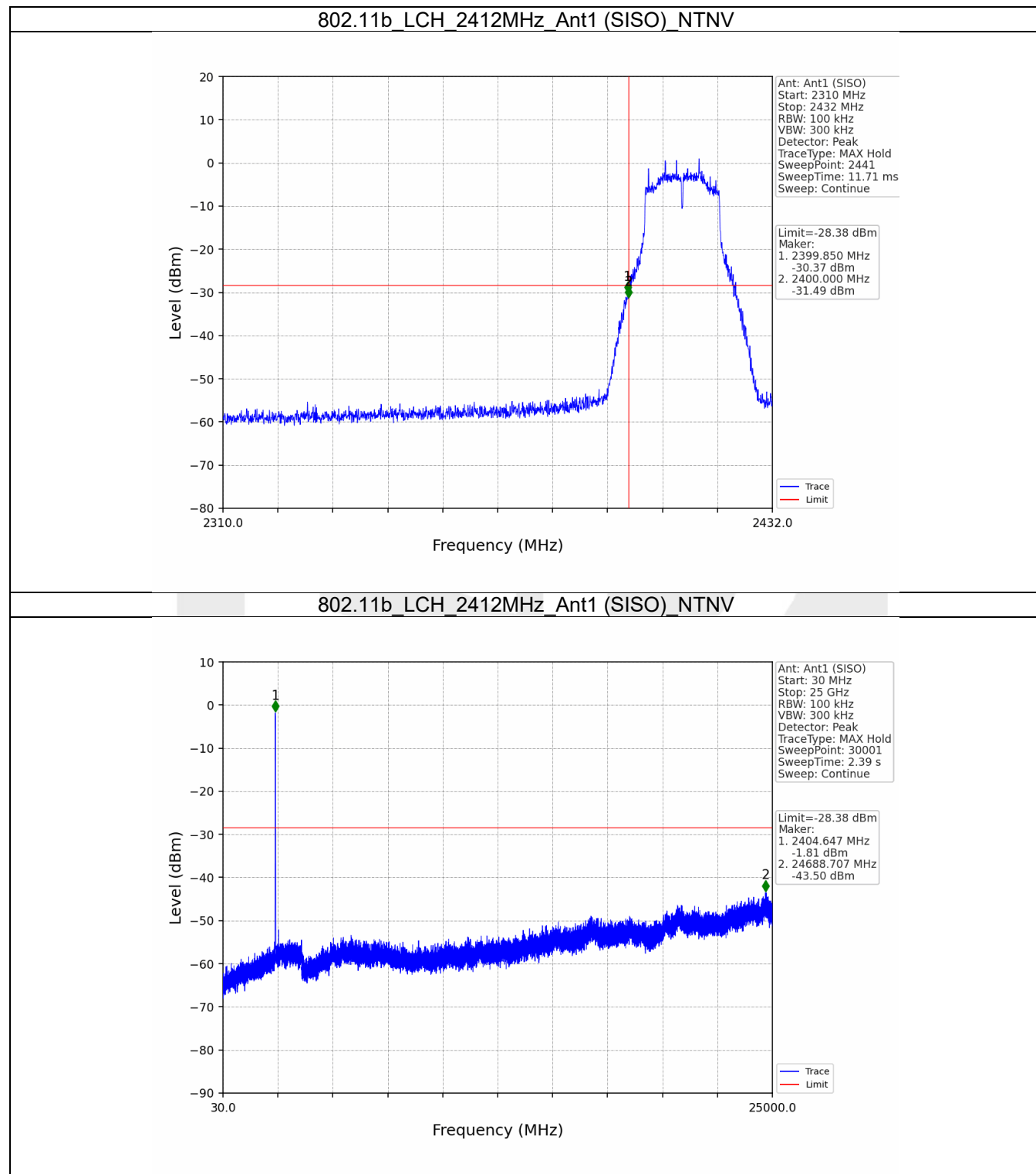
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV

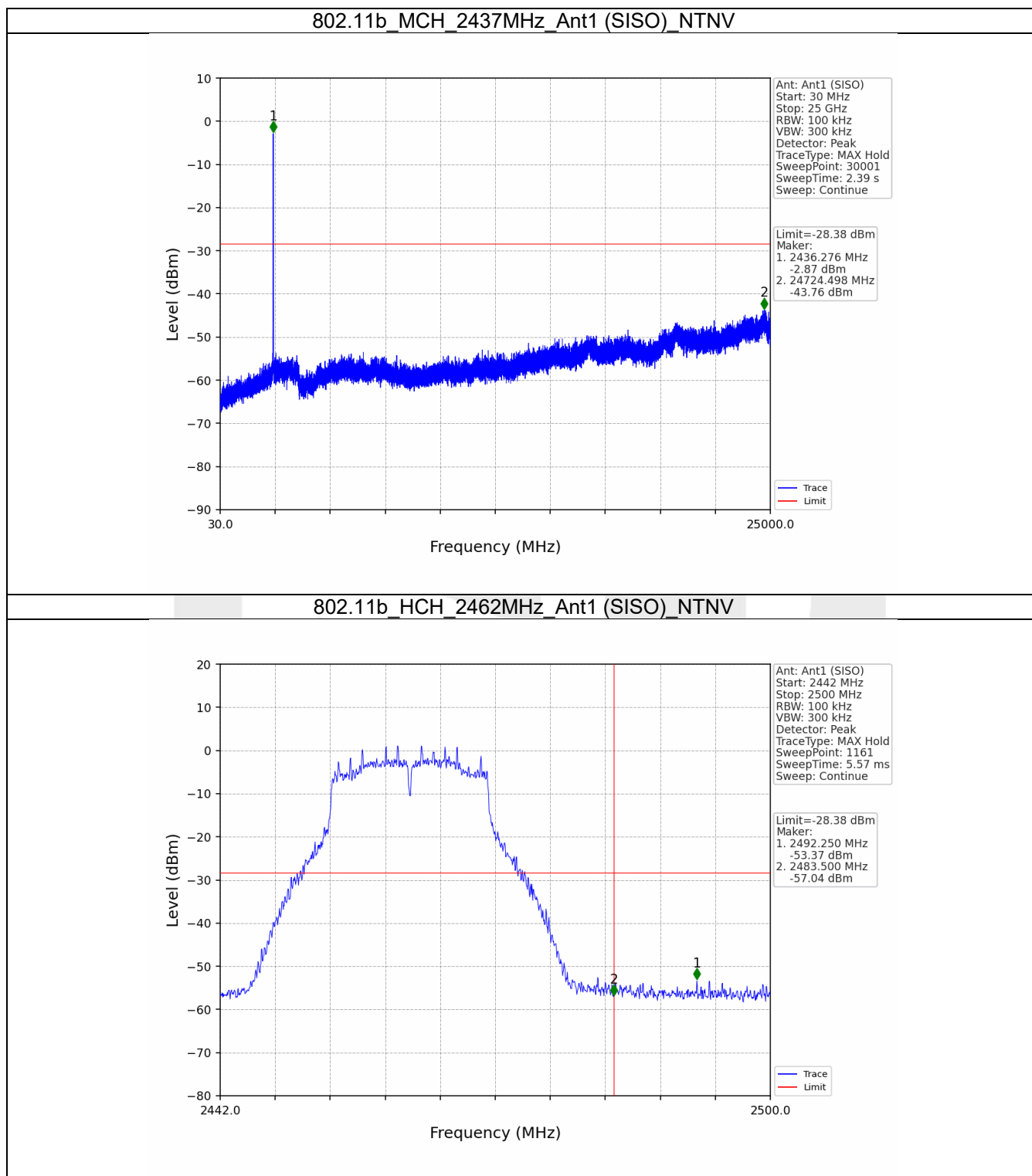


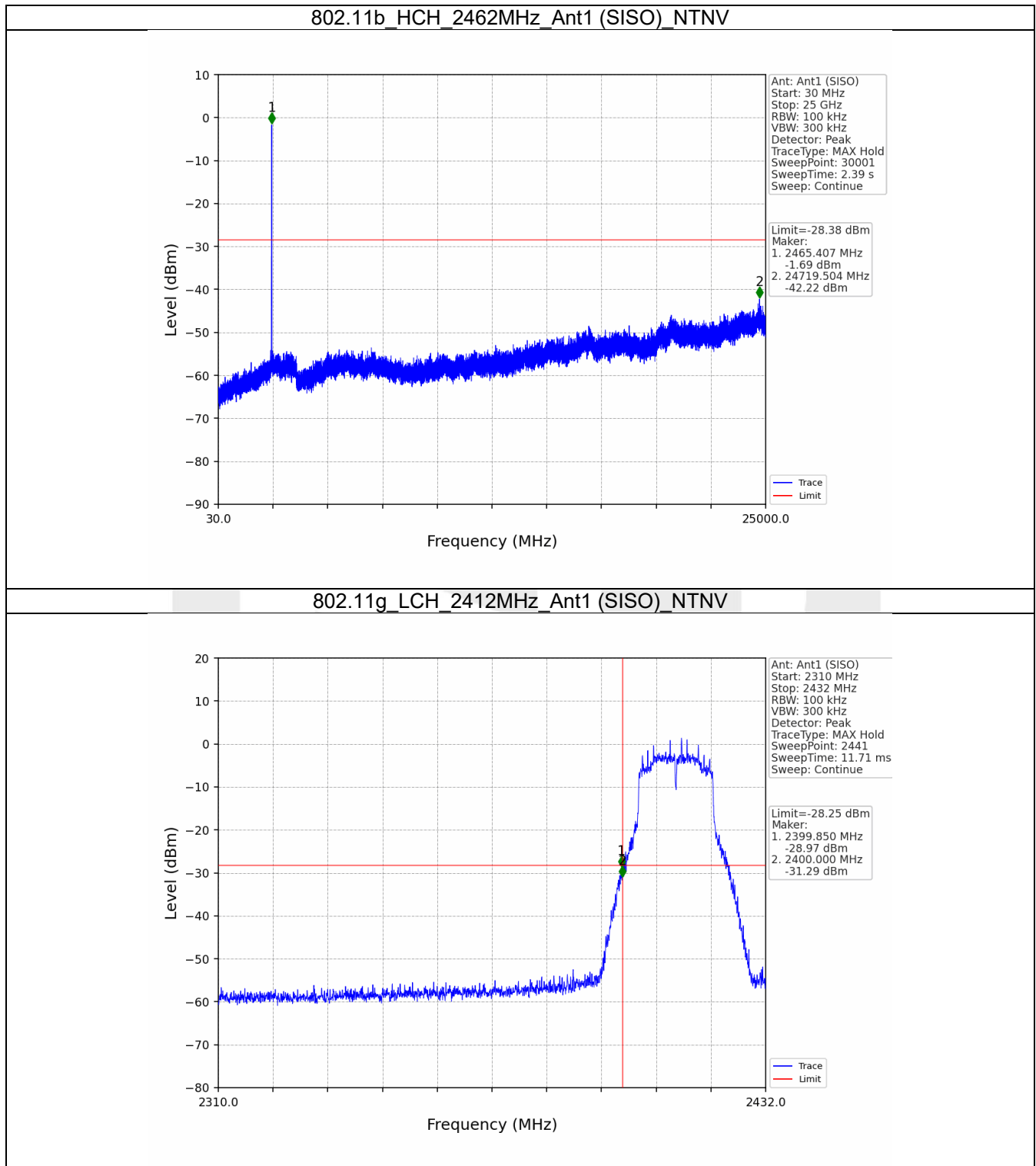
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV

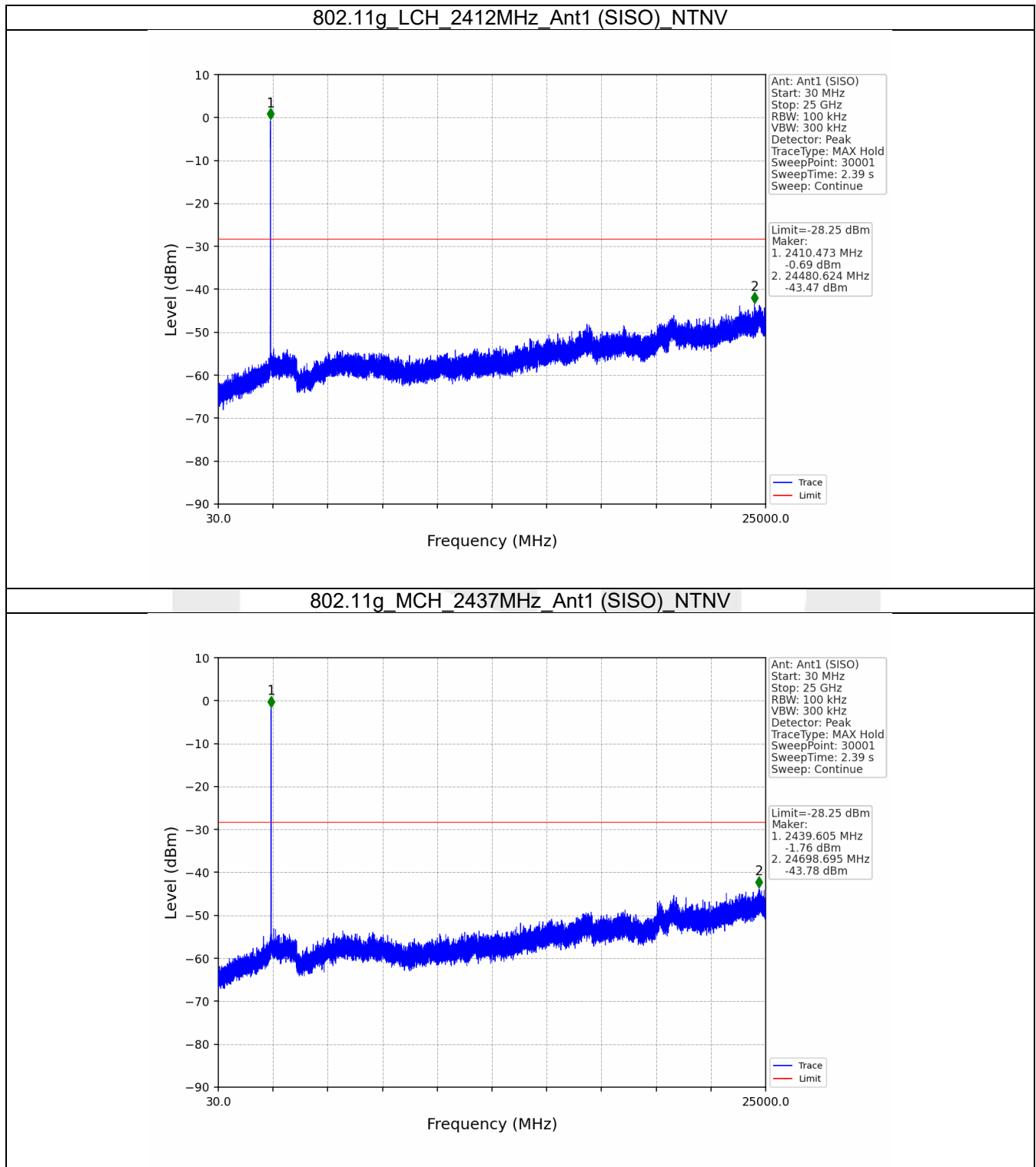


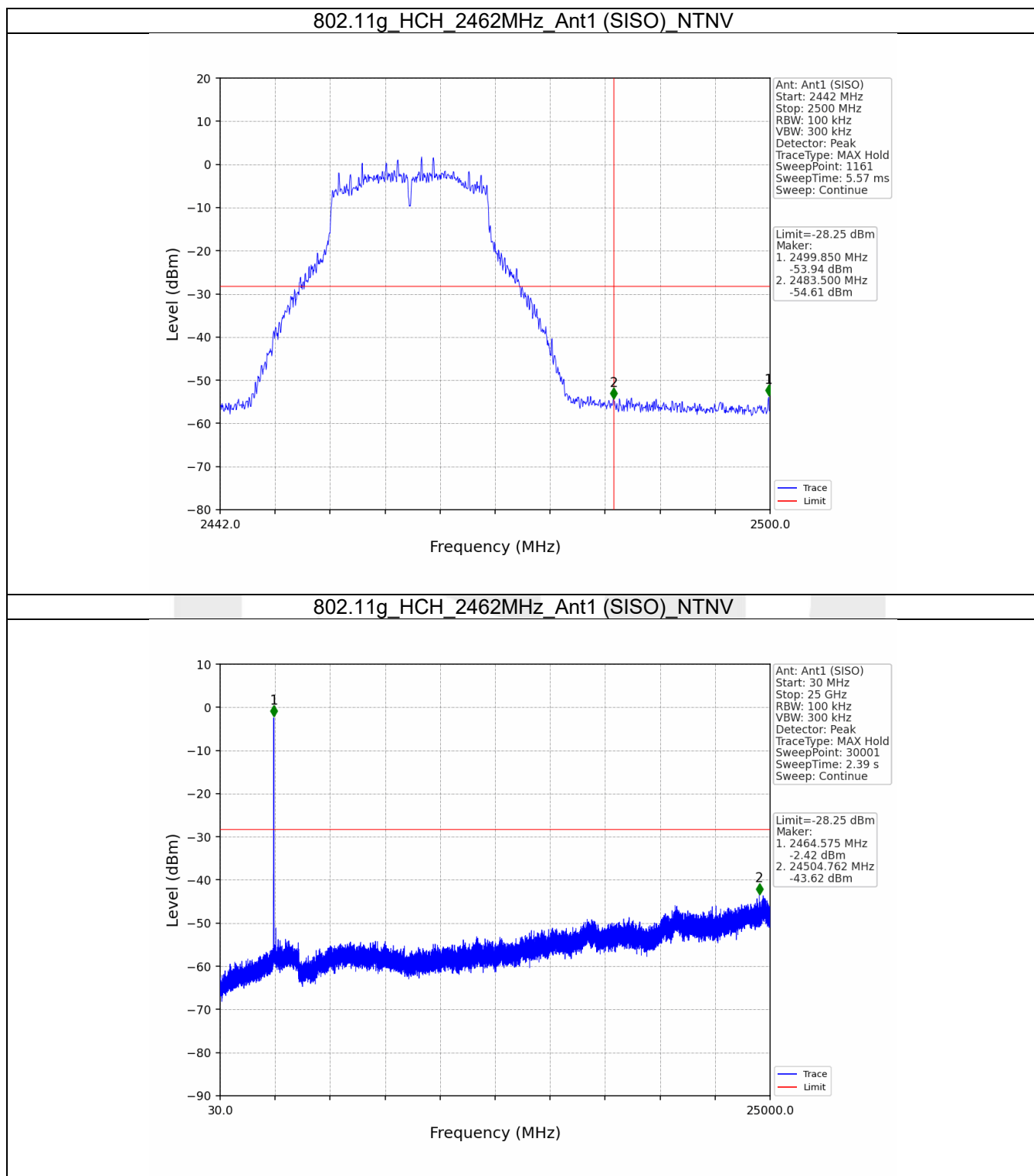
5.2.2 CSE

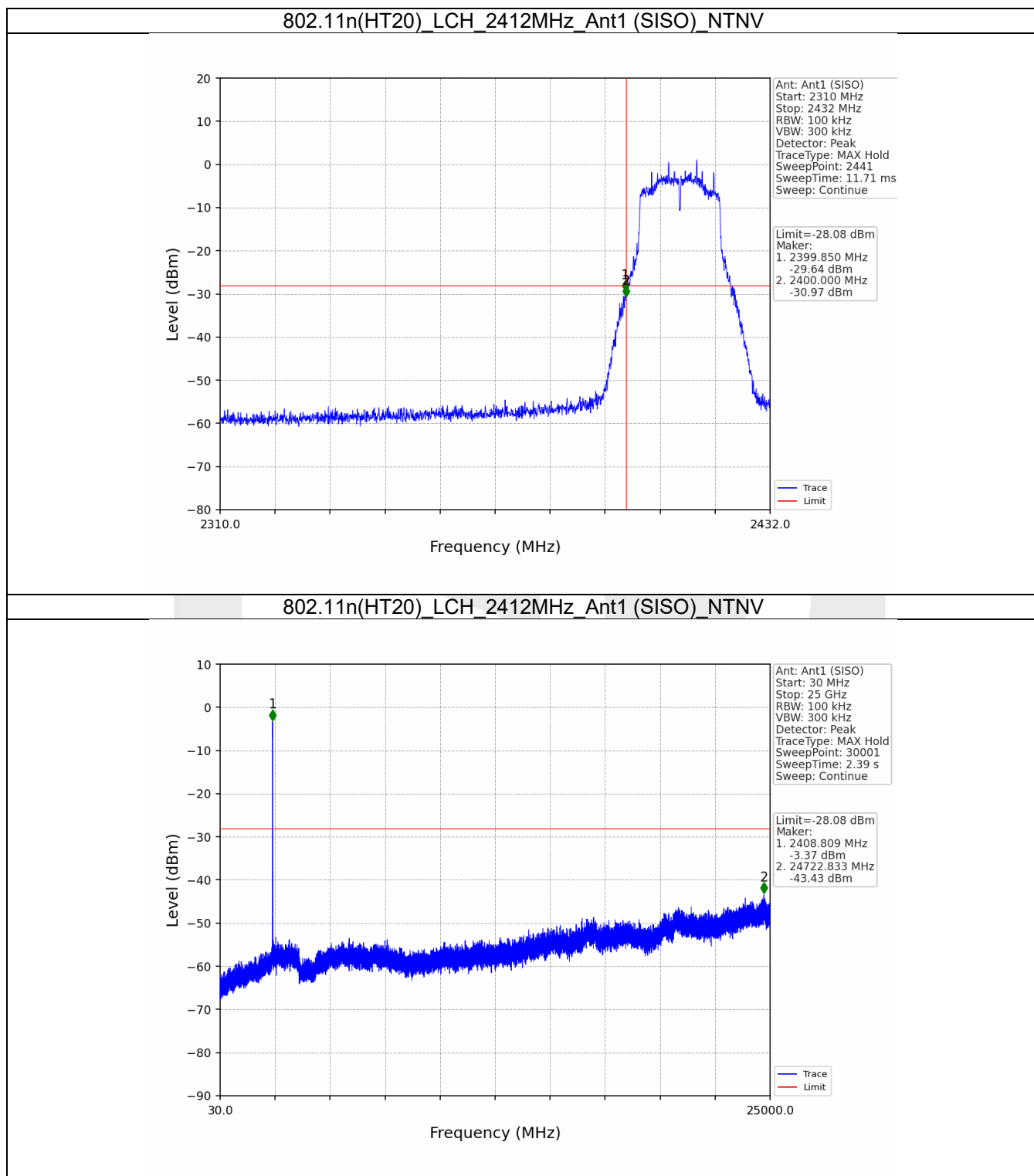


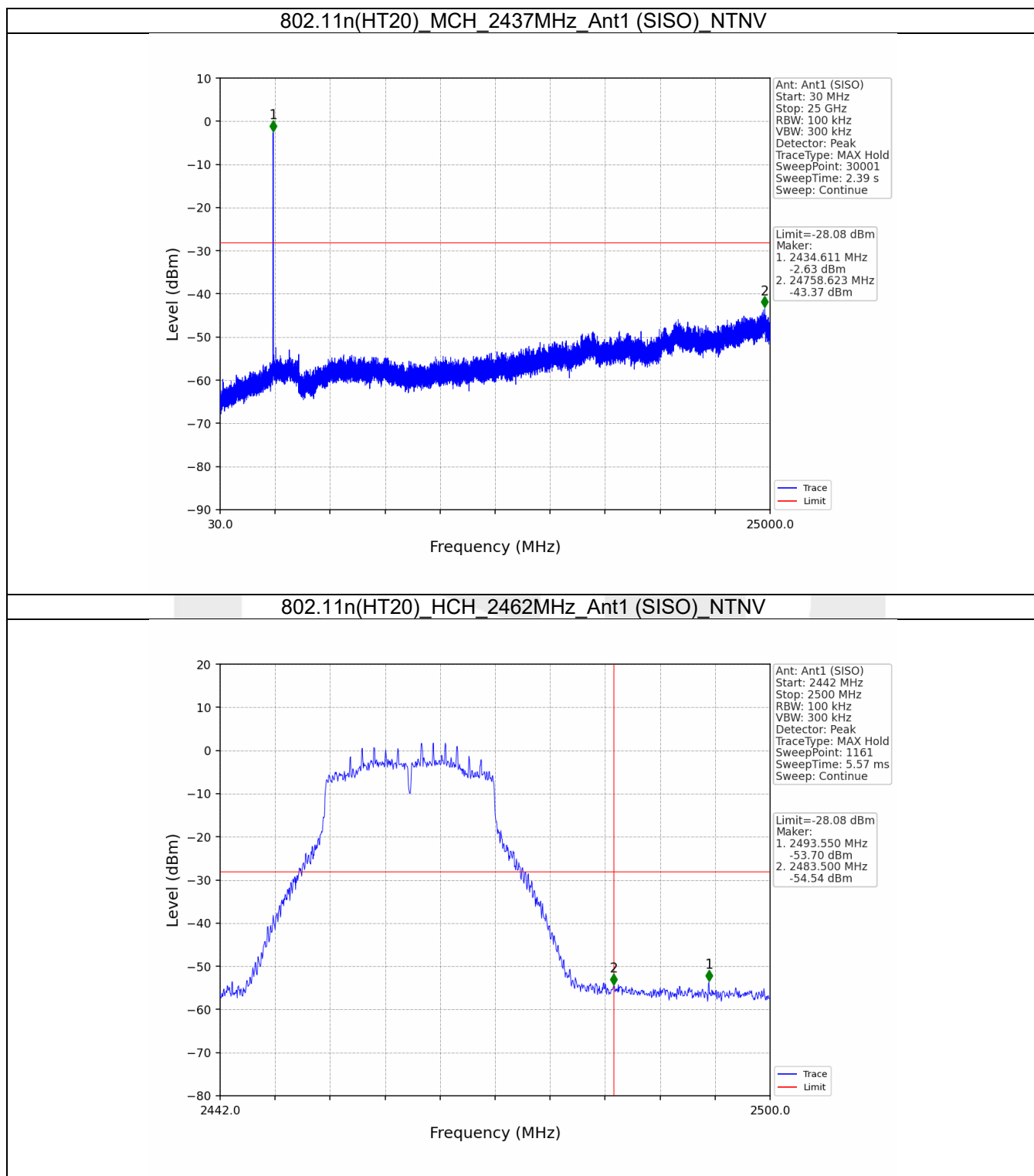


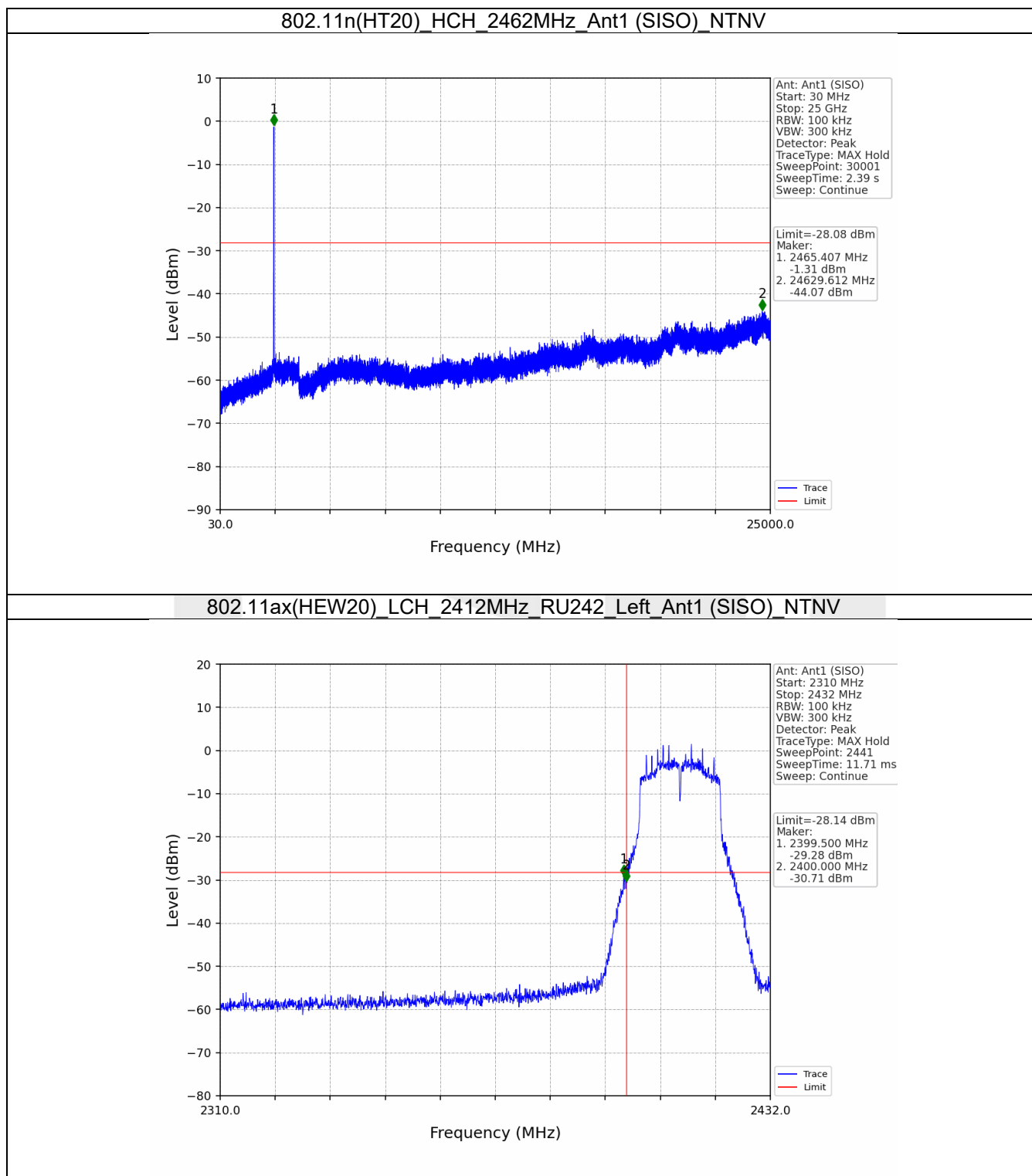


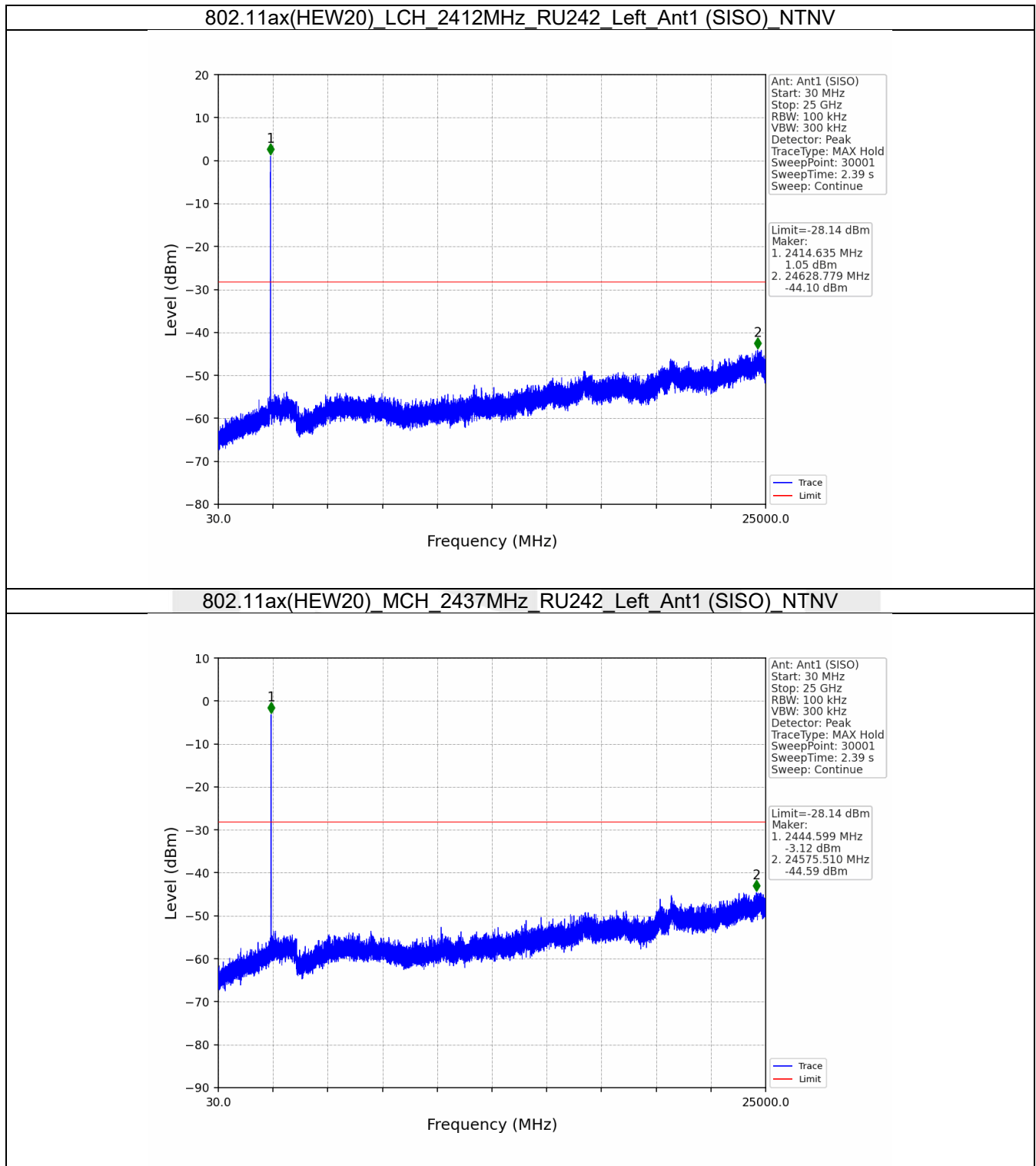




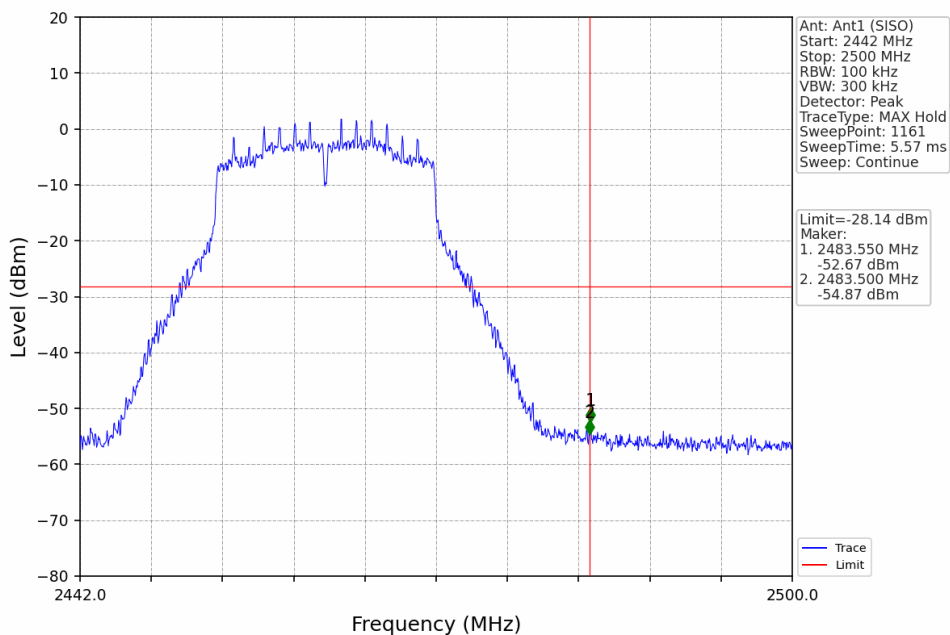




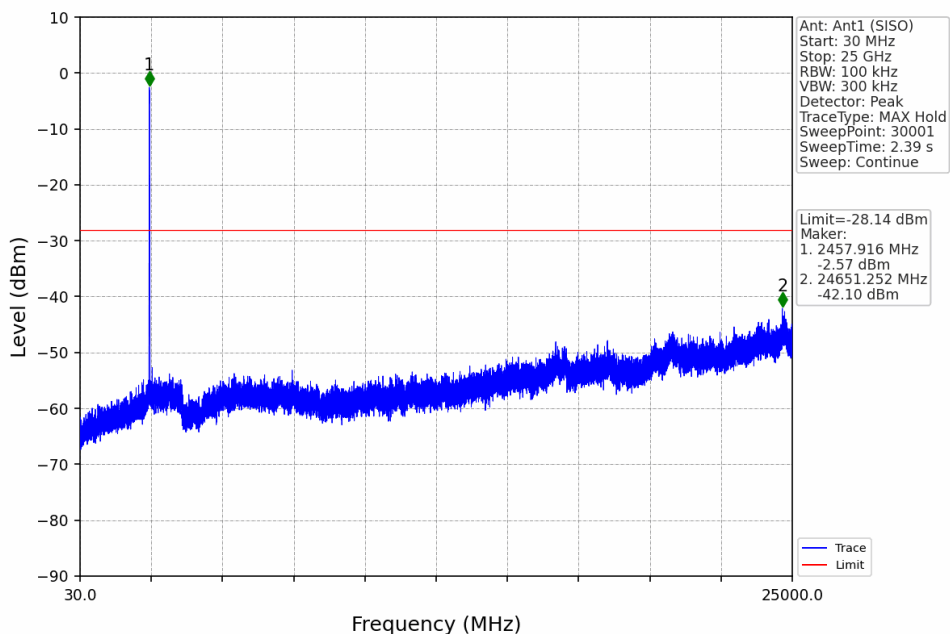




802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



----- End of Report -----