

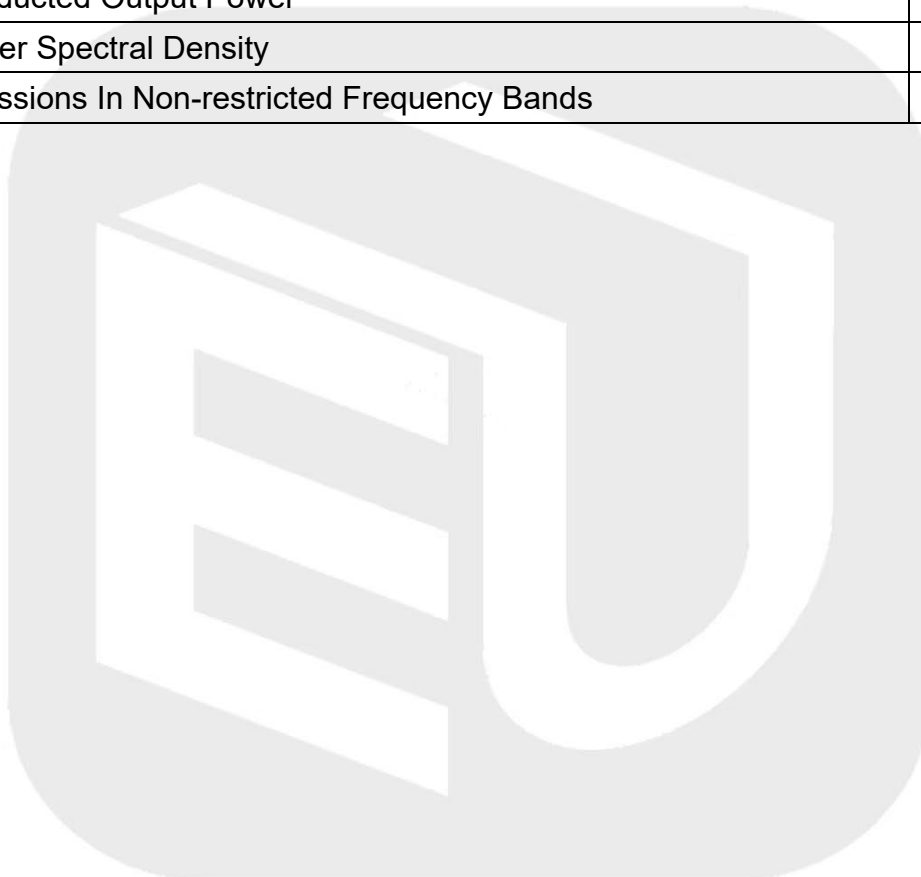
ANNEX D TEST DATA

For

Project No.:	8225EU012305W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Description:	Android Tablet
Model No.:	WF4305T
FCC ID:	2ABC5-E0052
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-01-25

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



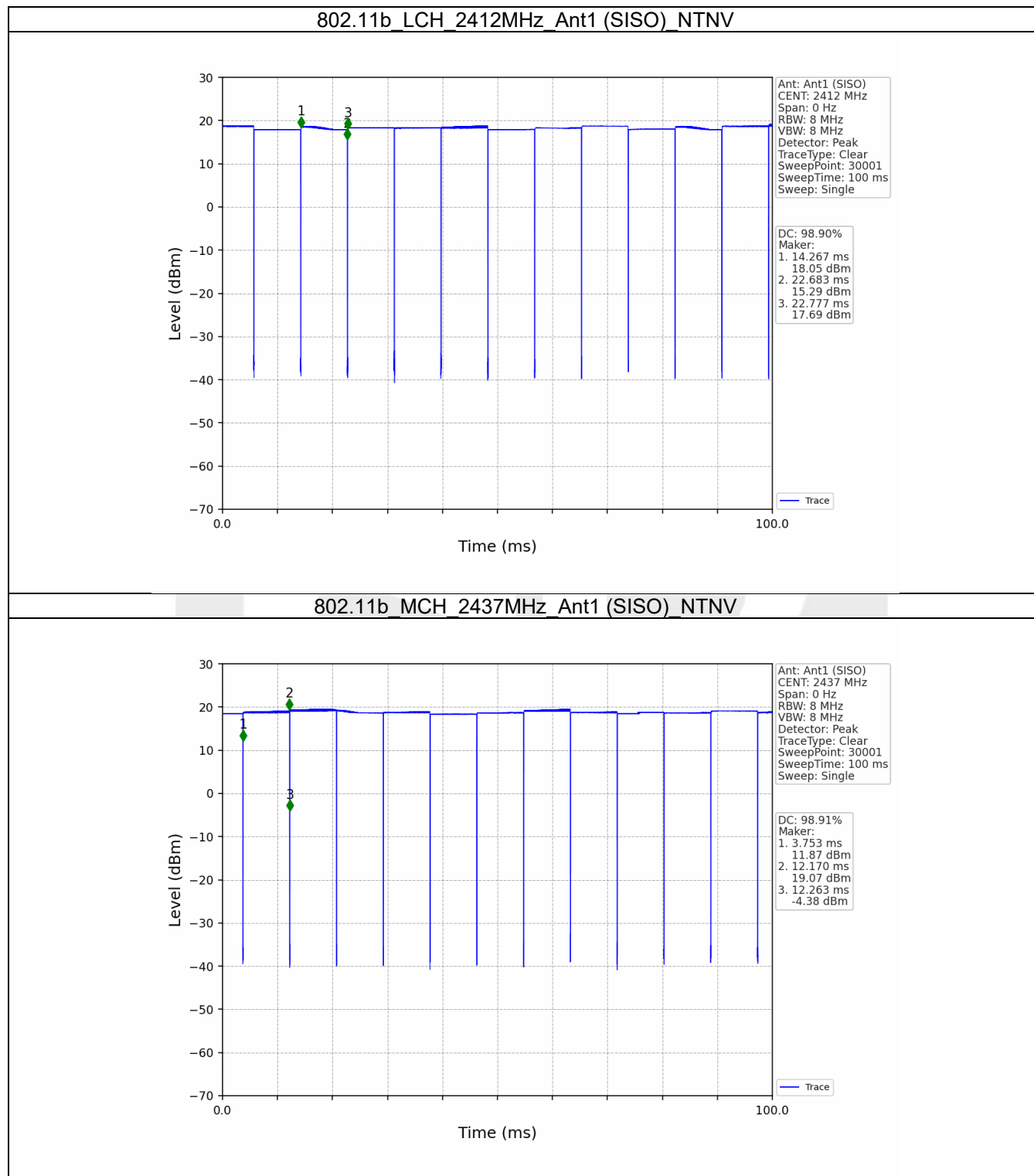
1. Duty Cycle

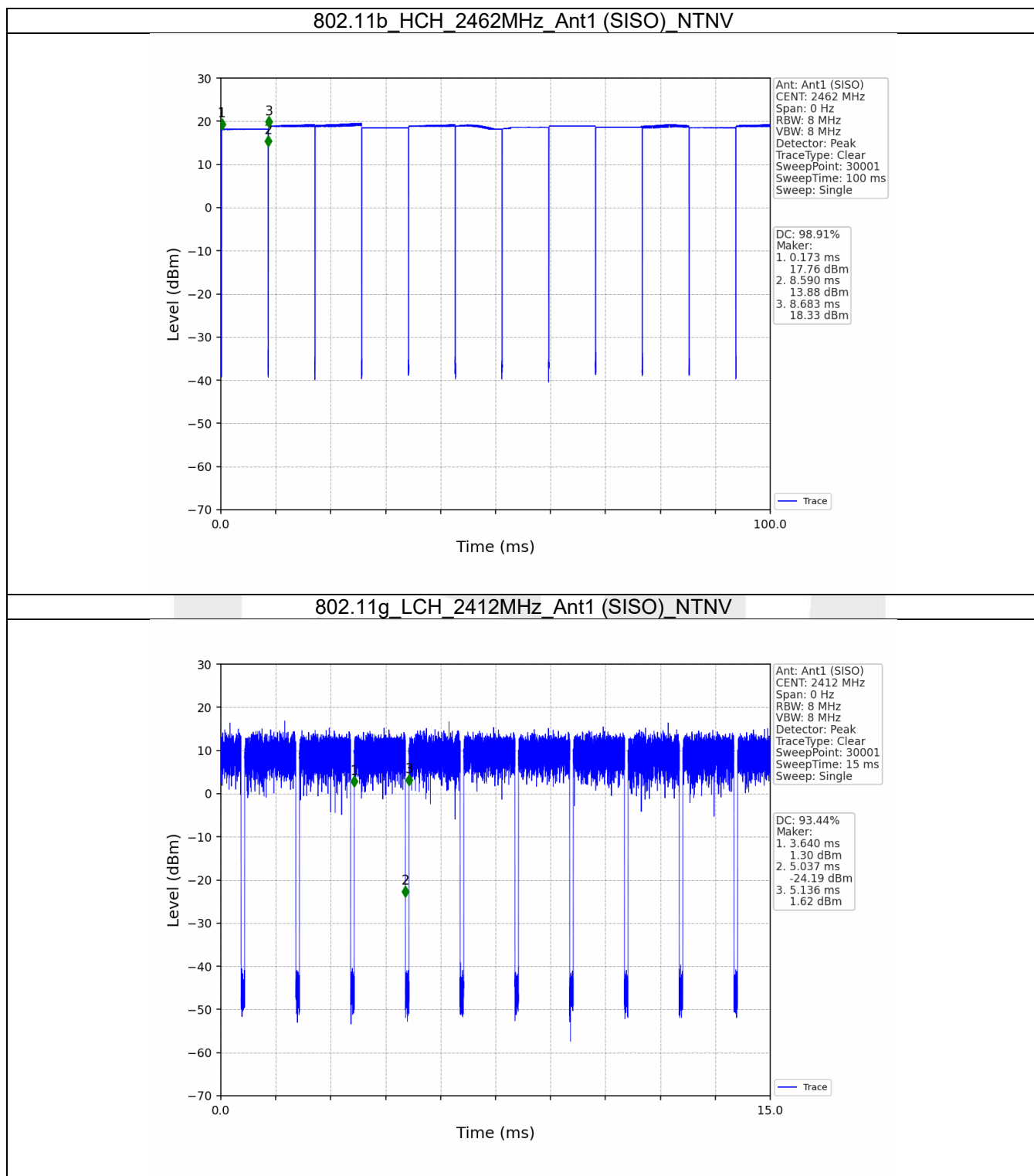
1.1 Ant1

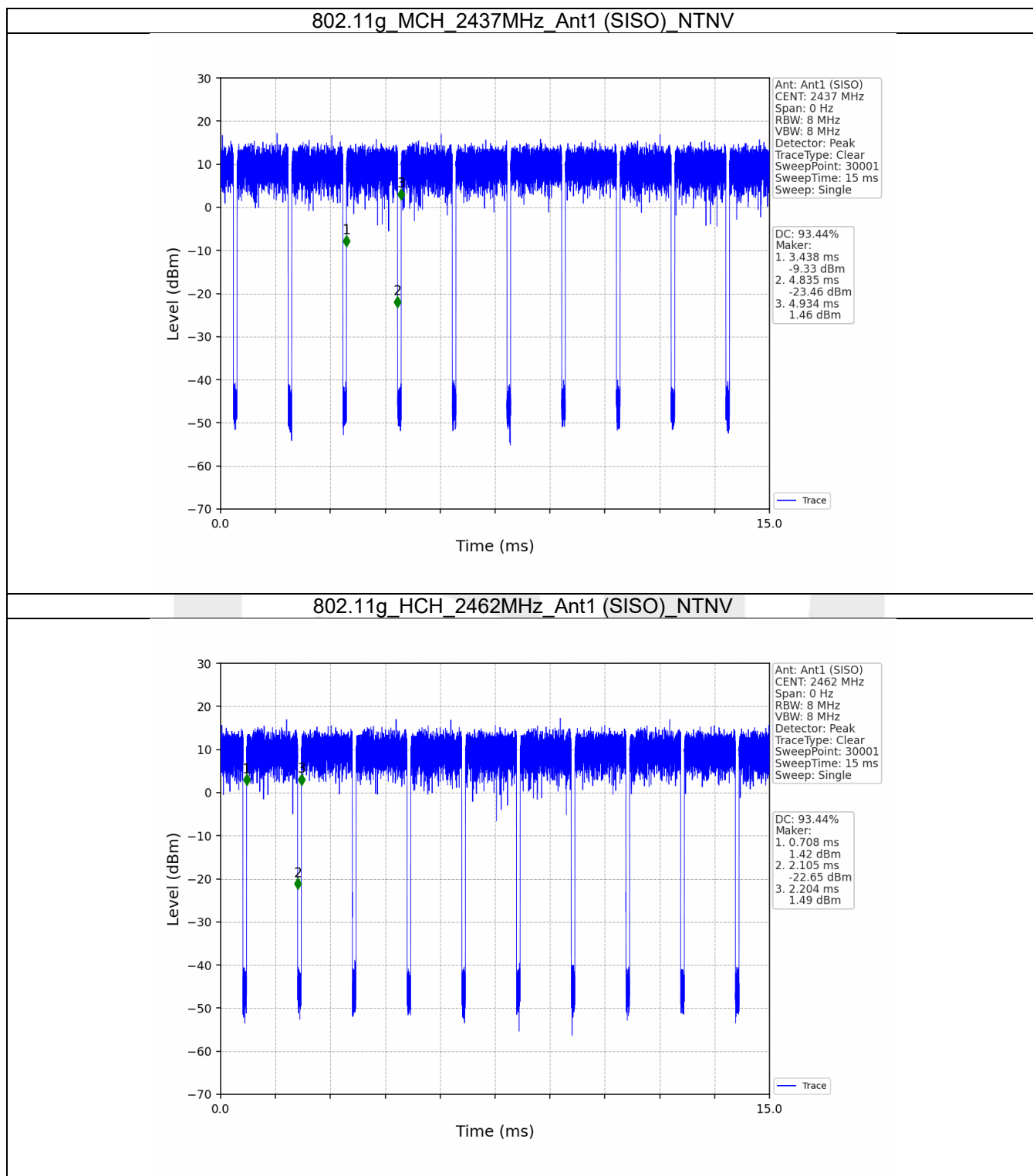
1.1.1 Test Result

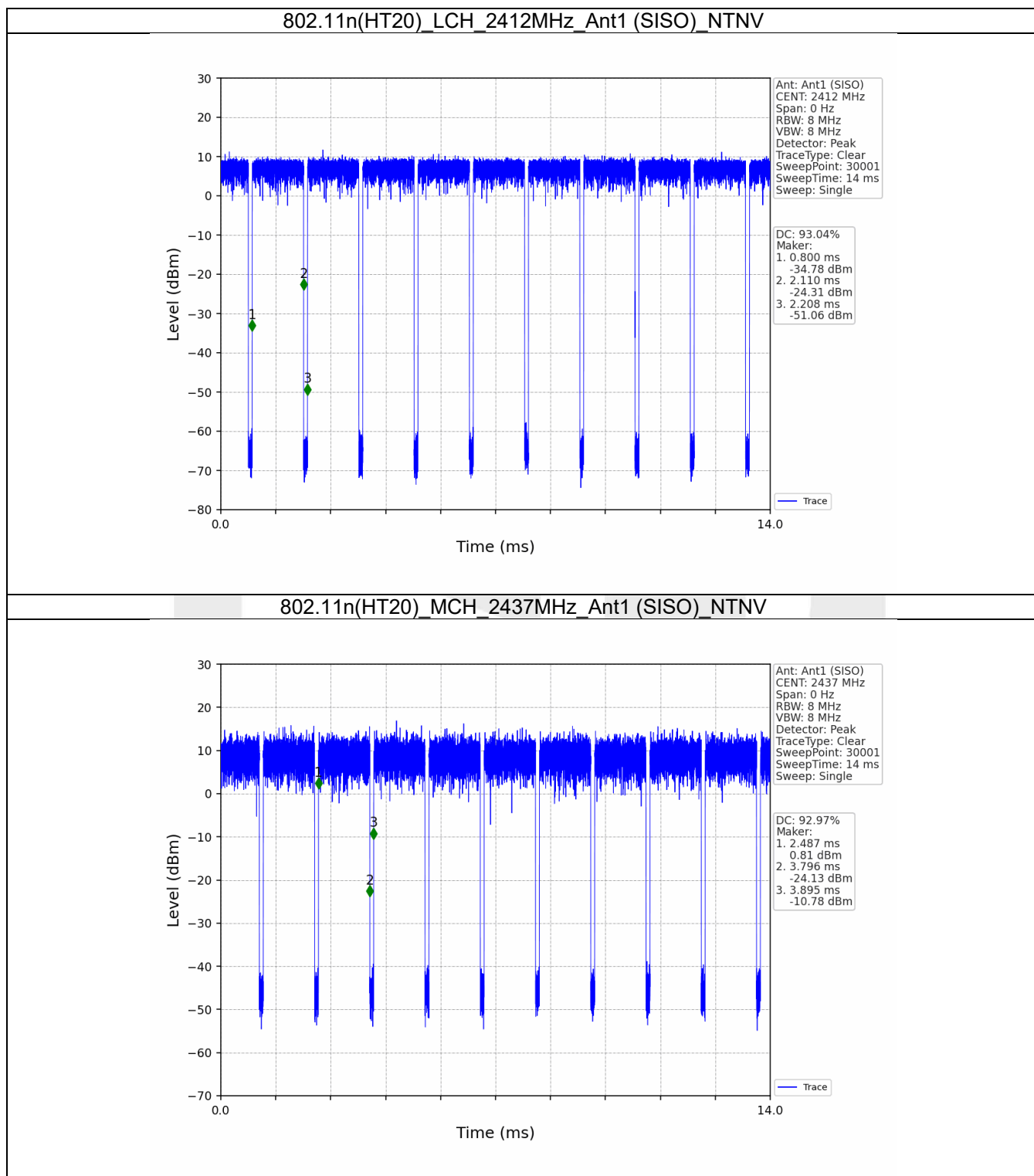
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.416	8.510	98.90	0.05	0.04
		2437	/	/	8.417	8.510	98.91	0.05	0.00
		2462	/	/	8.417	8.510	98.91	0.05	0.00
802.11g	SISO	2412	/	/	1.397	1.495	93.44	0.29	0.03
		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	/	/	1.310	1.408	93.04	0.31	0.00
		2437	/	/	1.309	1.408	92.97	0.32	0.00
		2462	/	/	1.309	1.407	93.03	0.31	0.00
802.11ax (HEW20)	SISO	2412	RU242	Left	0.138	0.237	58.23	2.35	0.04
		2437	RU242	Left	0.138	0.236	58.47	2.33	0.03
		2462	RU242	Left	0.138	0.236	58.47	2.33	0.03

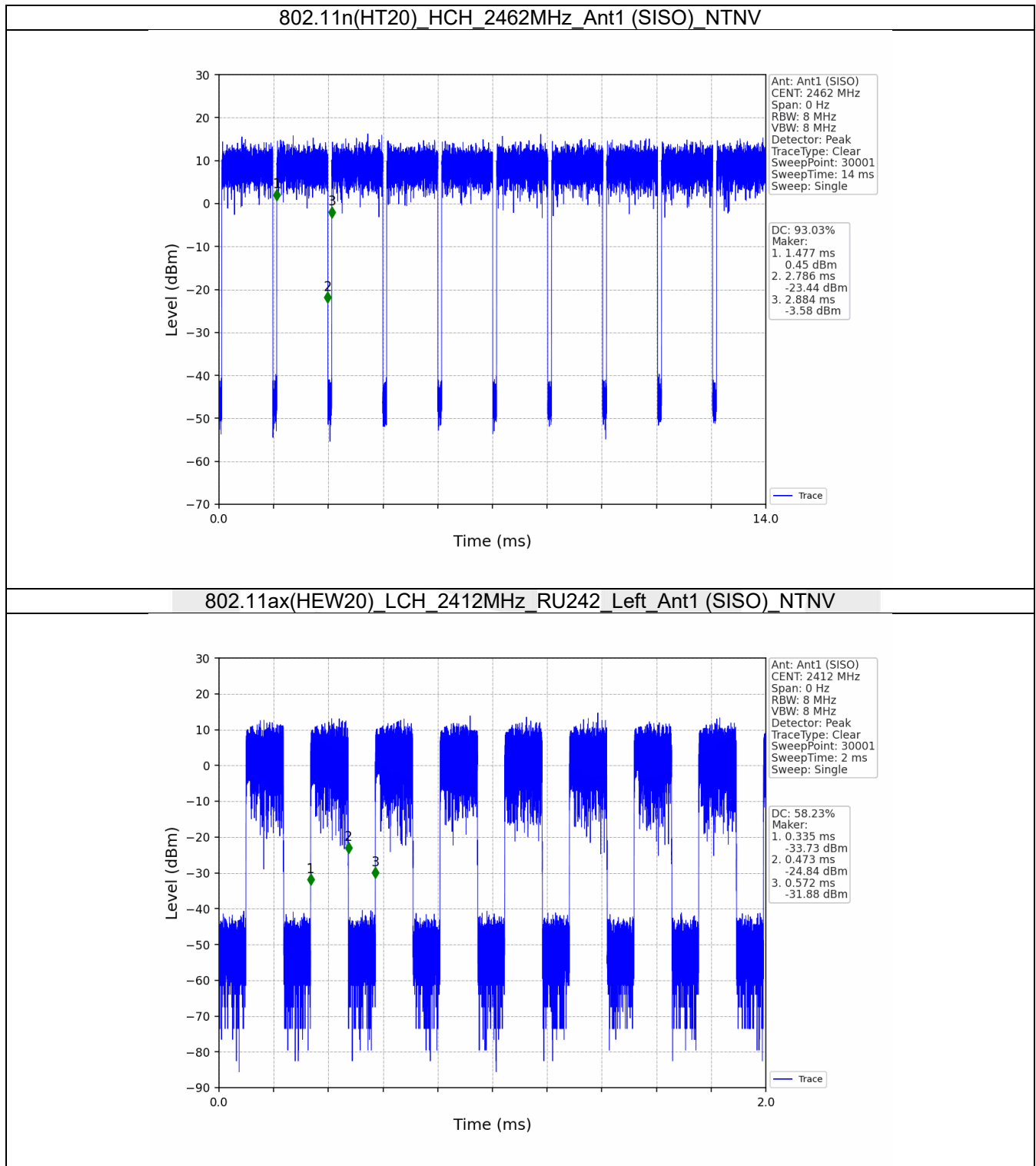
1.1.2 Test Graph



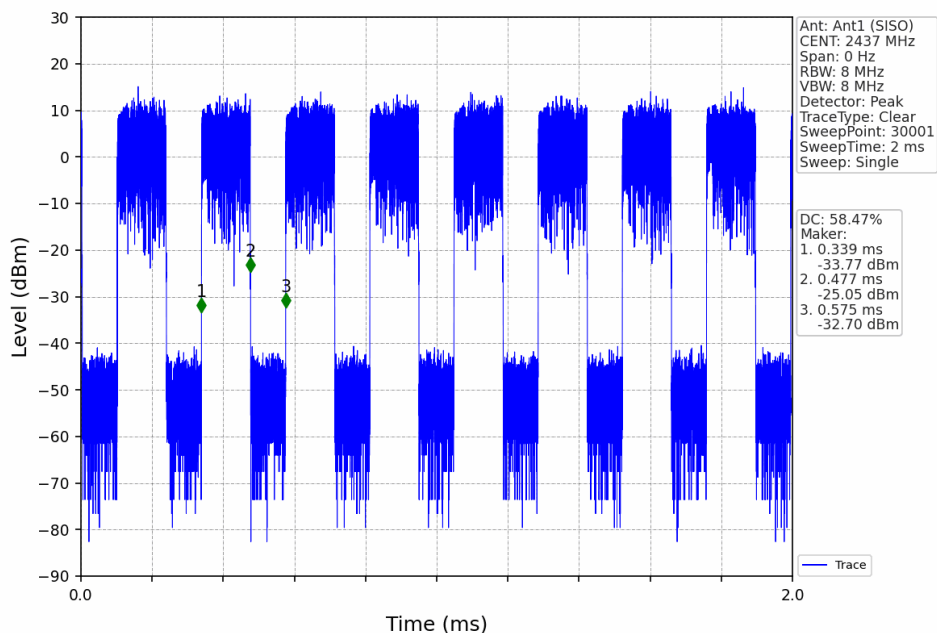




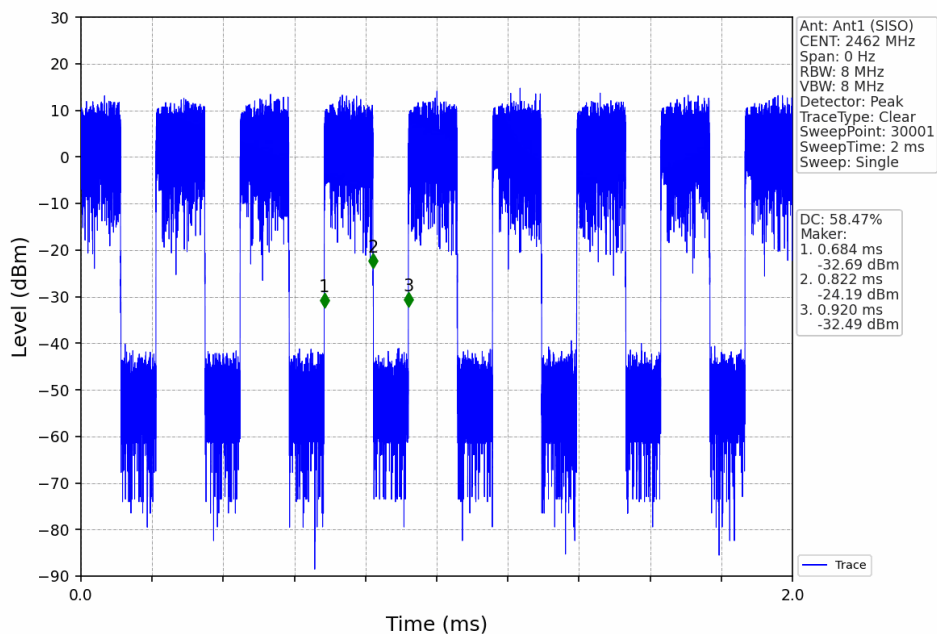




802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



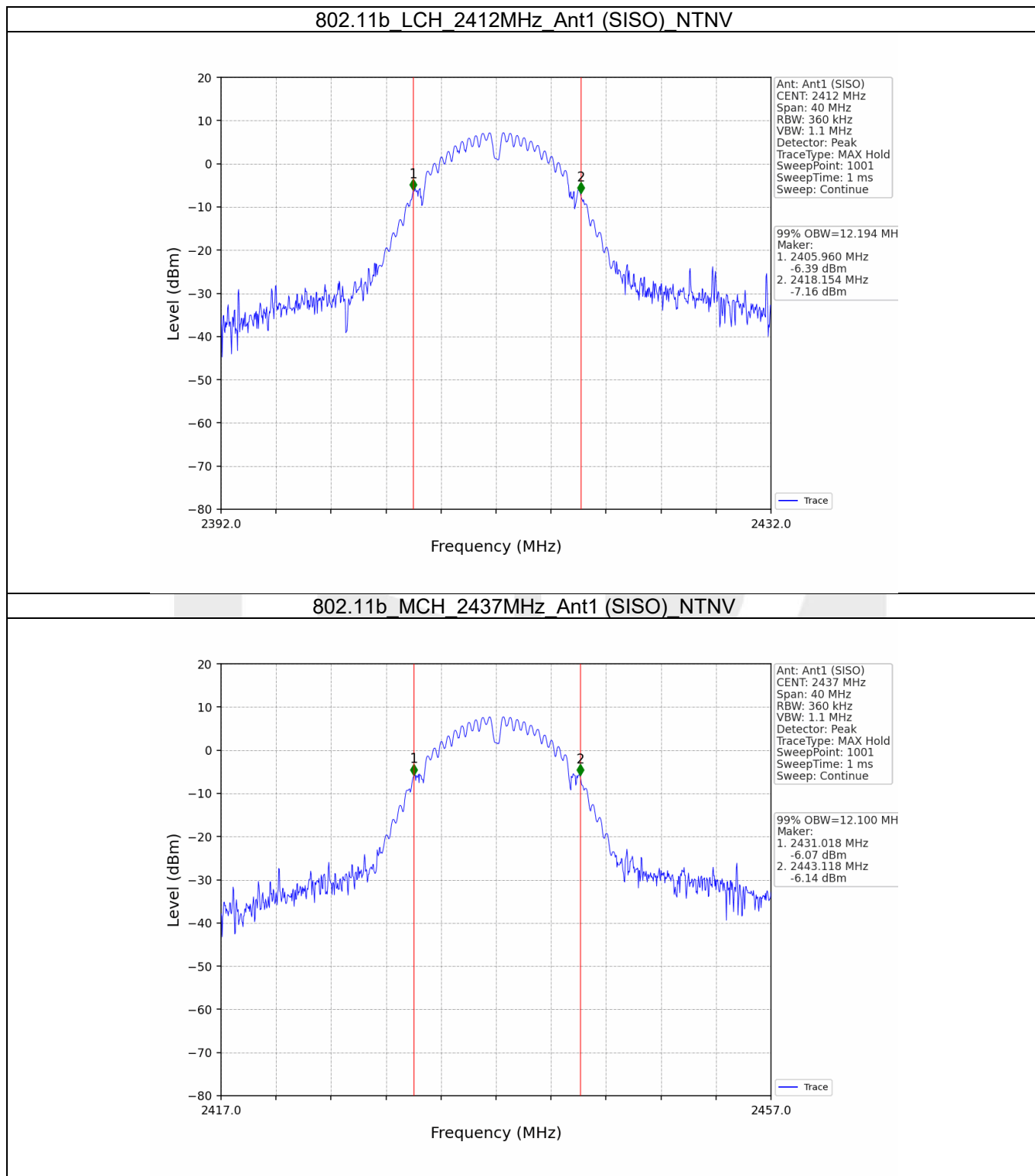
2. Bandwidth

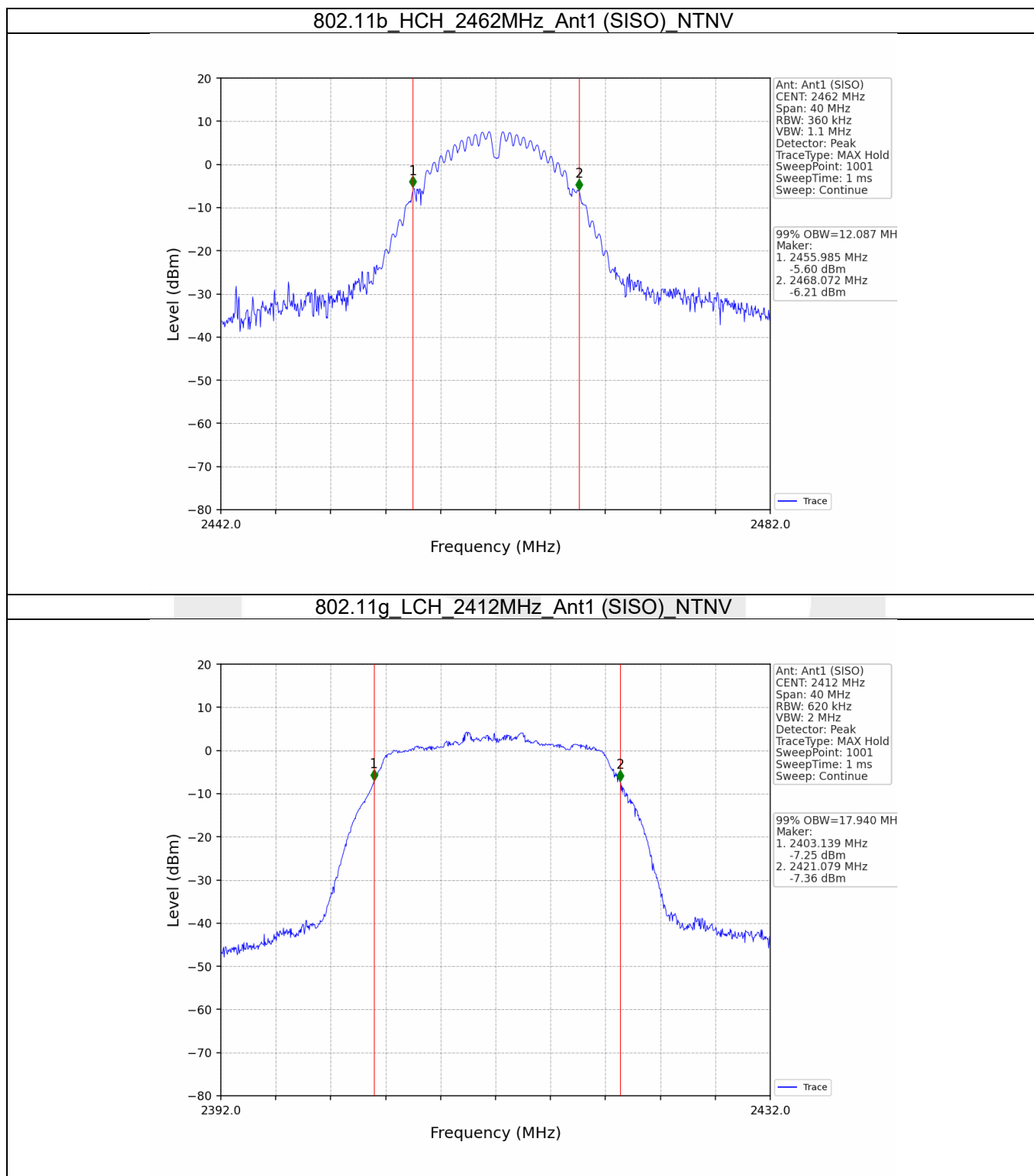
2.1 OBW

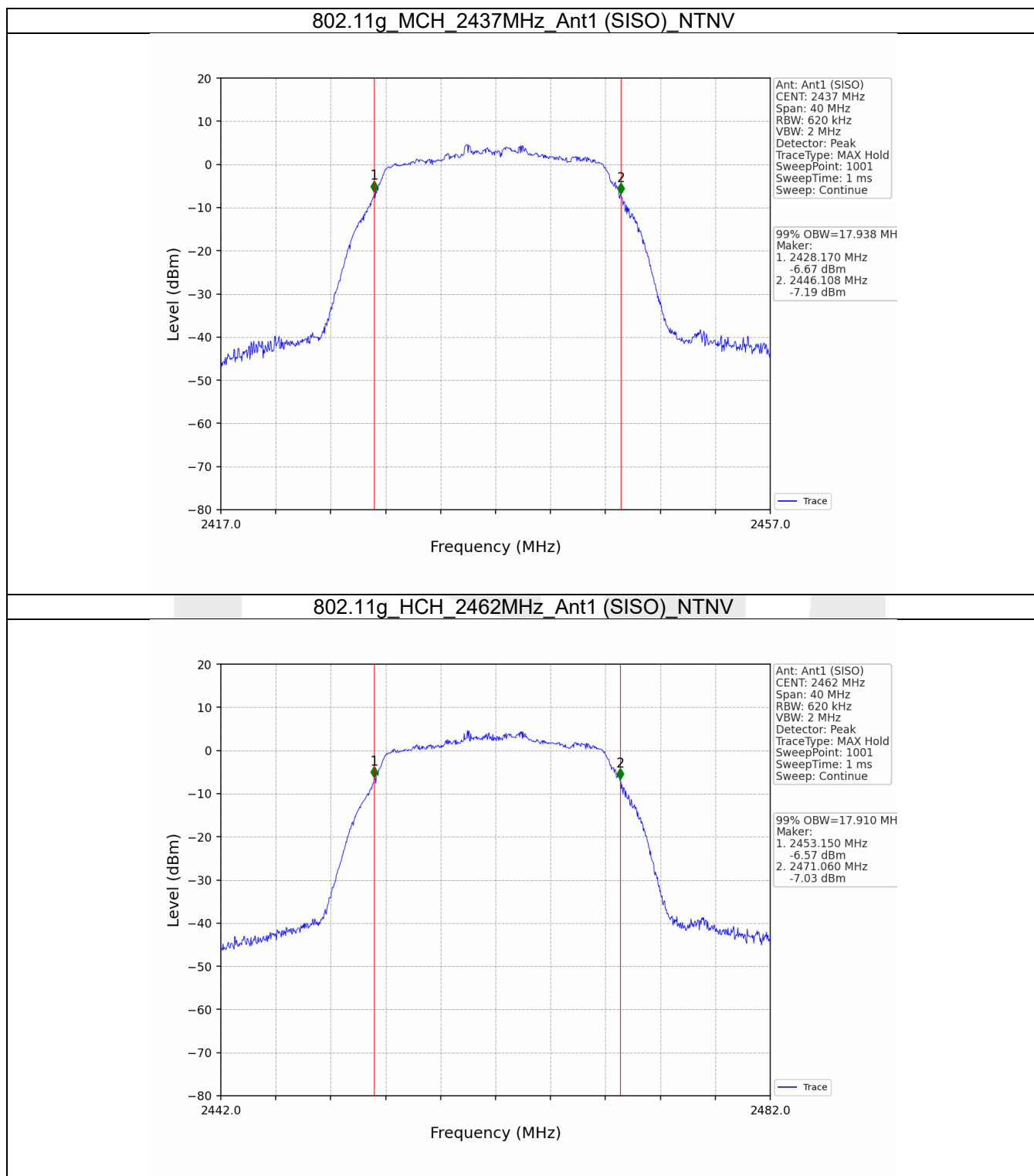
2.1.1 Test Result

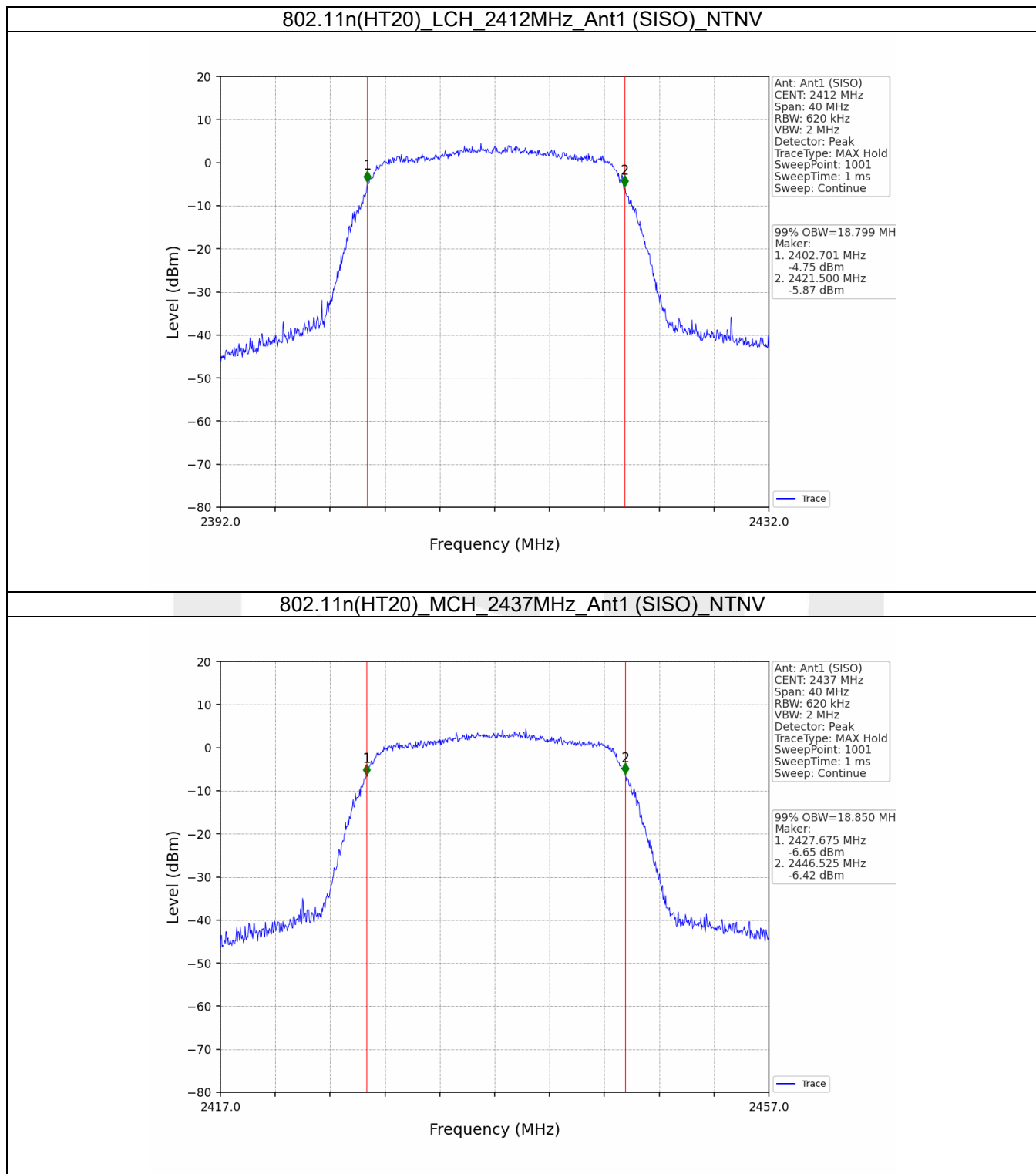
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)	Verdict
						Result	
802.11b	SISO	2412	/	/	1	12.194	Pass
		2437	/	/	1	12.100	Pass
		2462	/	/	1	12.087	Pass
802.11g	SISO	2412	/	/	1	17.940	Pass
		2437	/	/	1	17.938	Pass
		2462	/	/	1	17.910	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.799	Pass
		2437	/	/	1	18.850	Pass
		2462	/	/	1	18.840	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	19.287	Pass
		2437	RU242	Left	1	19.333	Pass
		2462	RU242	Left	1	19.300	Pass

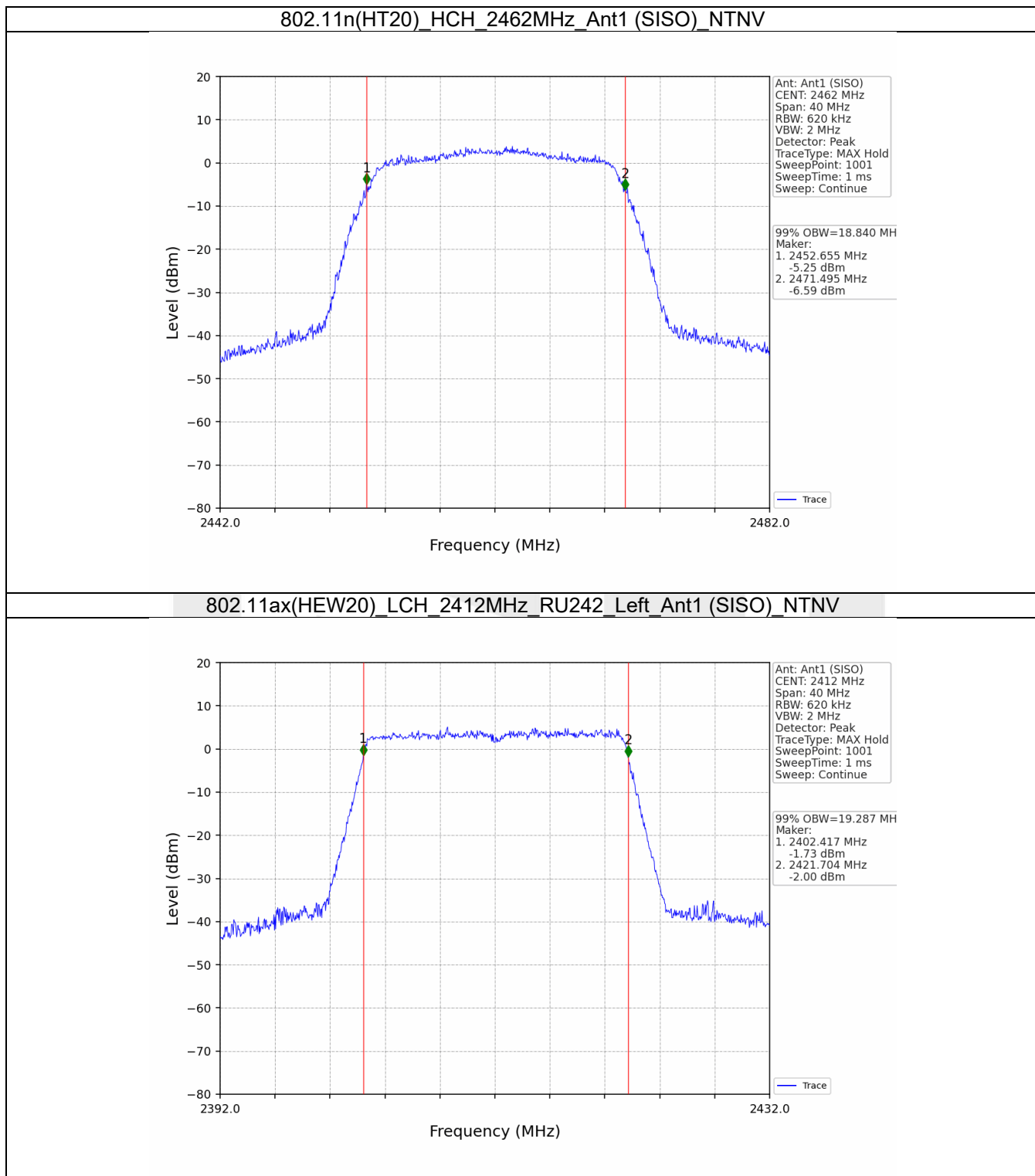
2.1.2 Test Graph



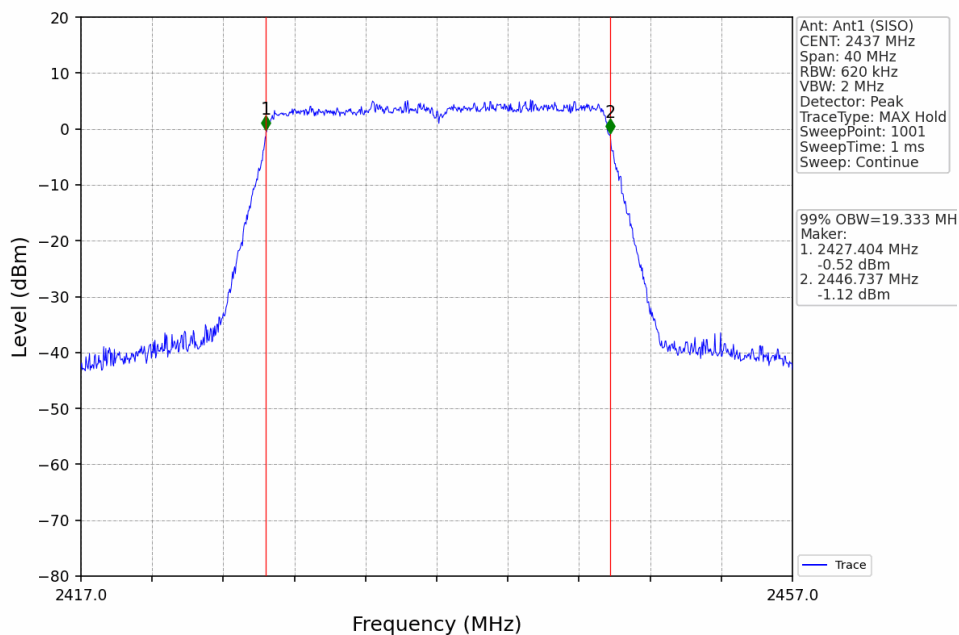




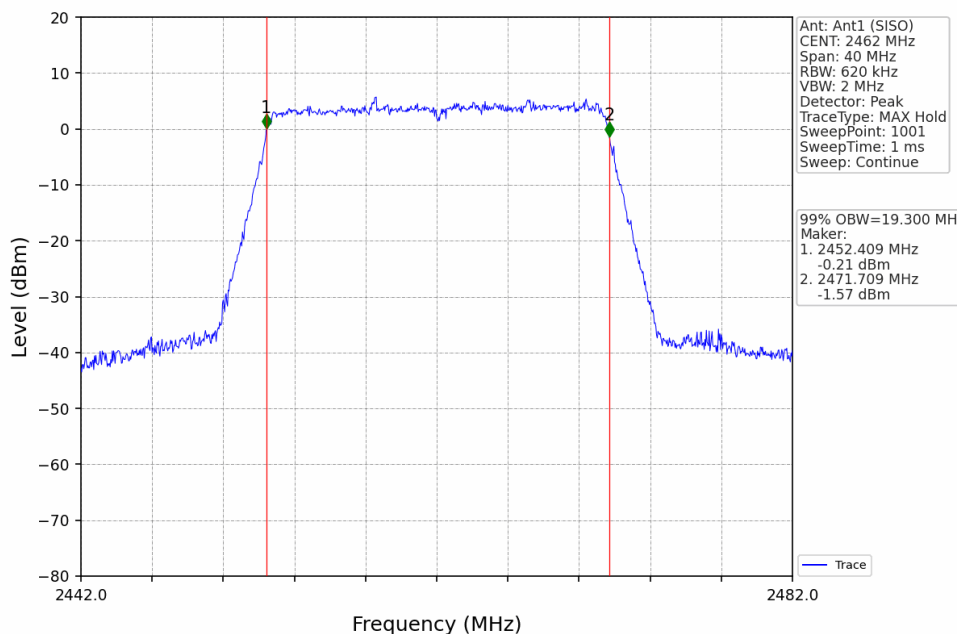




802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV

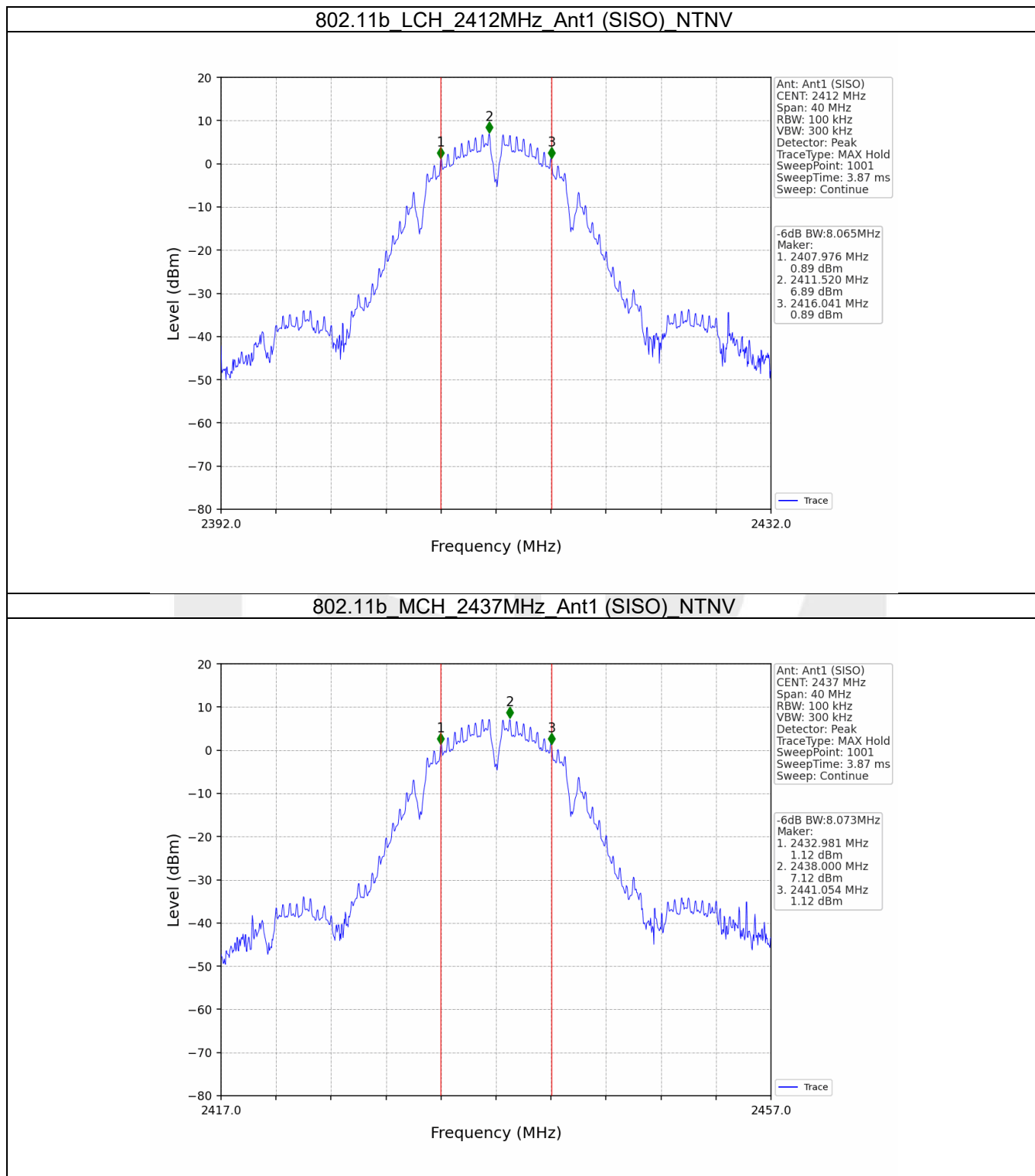


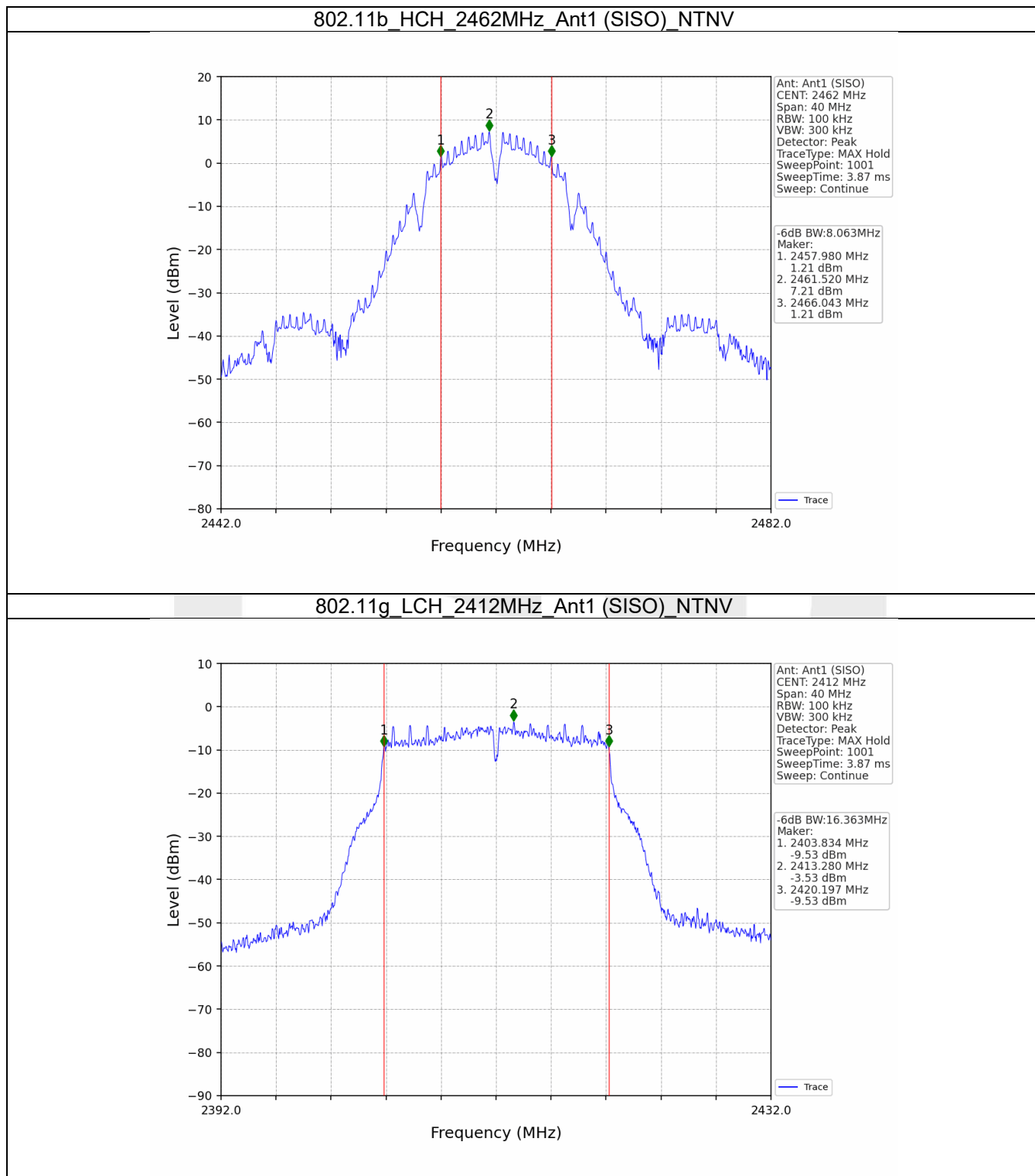
2.2 6dB BW

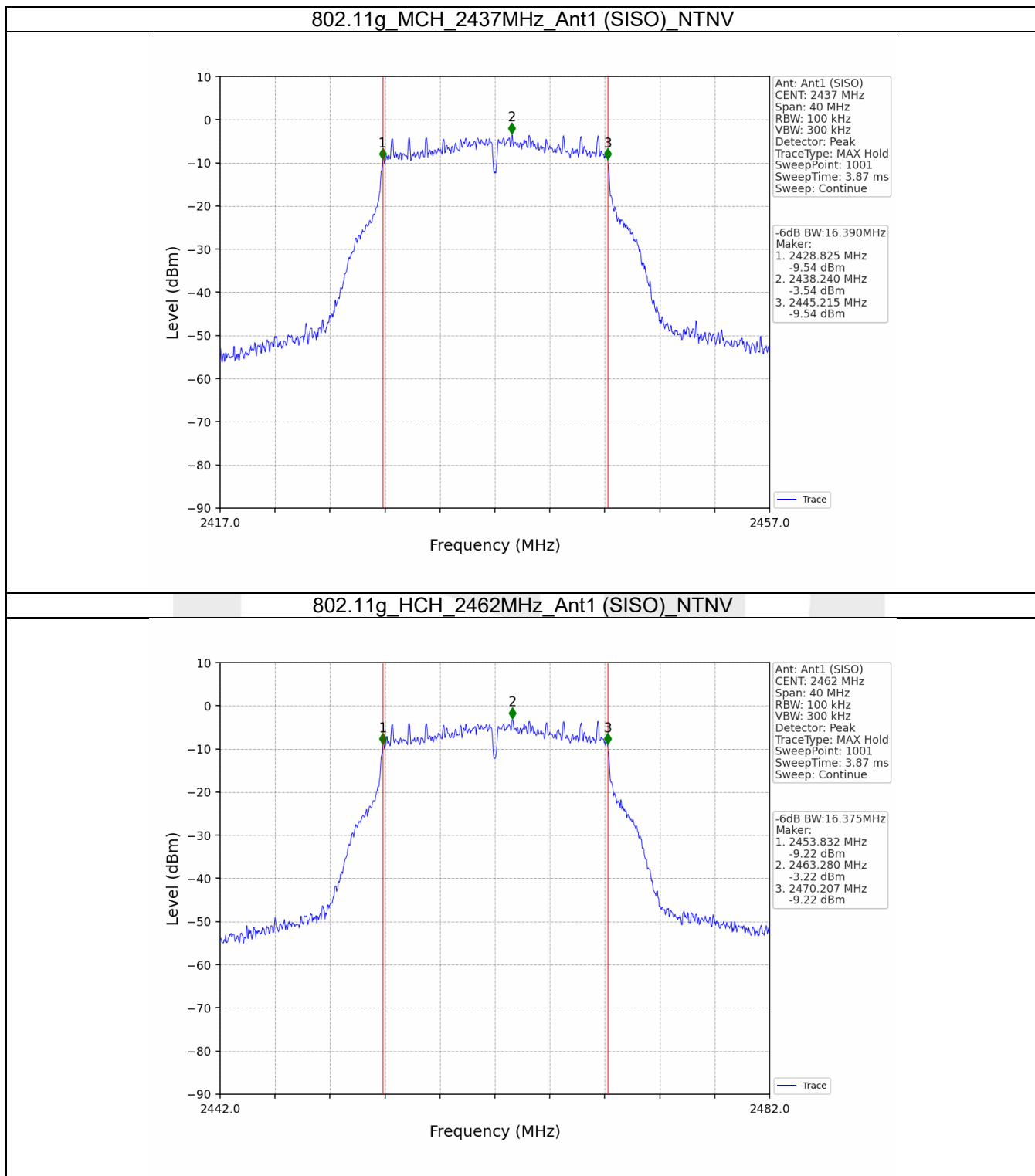
2.2.1 Test Result

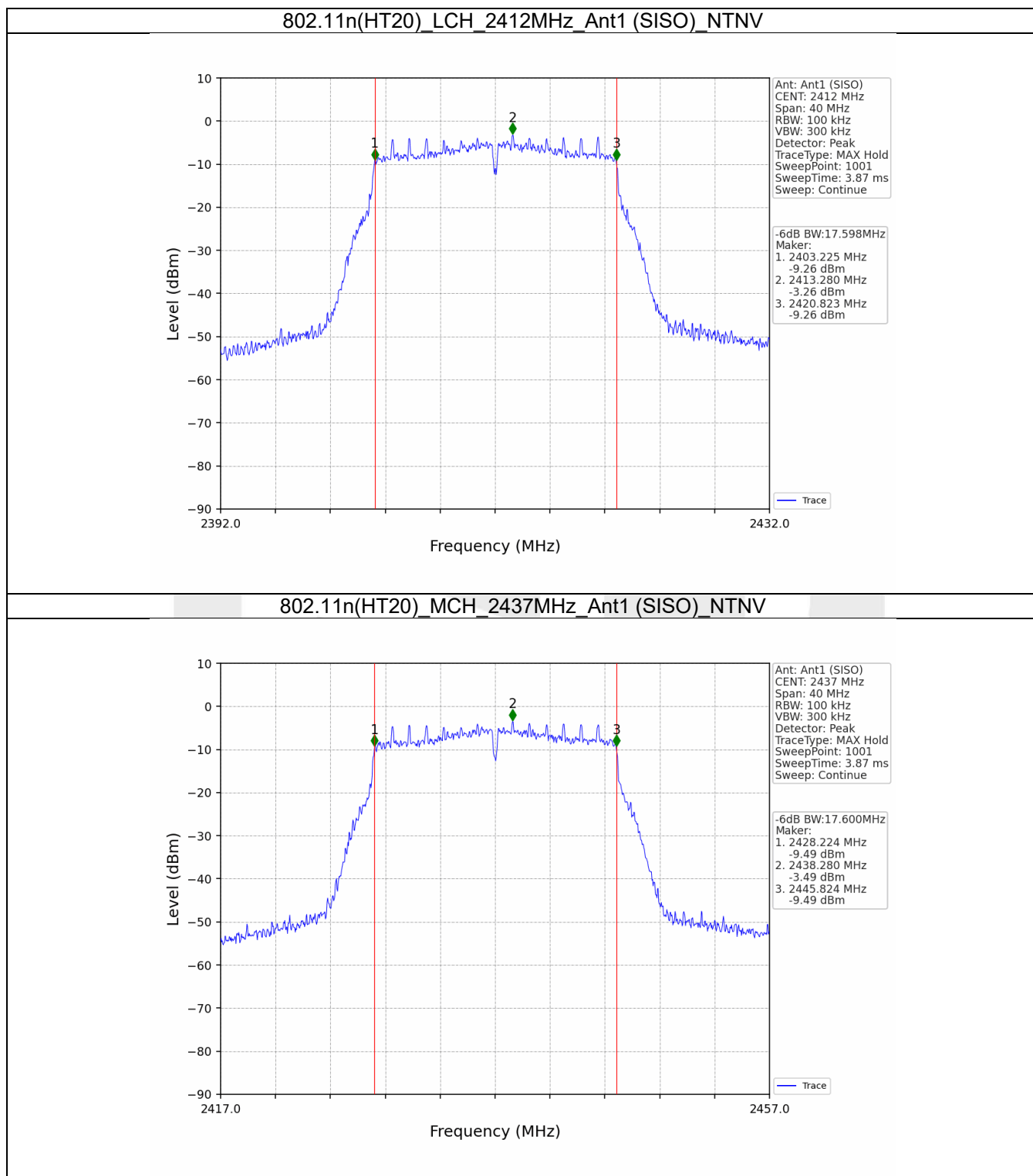
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	8.065	≥ 0.5	Pass
		2437	/	/	1	8.073	≥ 0.5	Pass
		2462	/	/	1	8.063	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.363	≥ 0.5	Pass
		2437	/	/	1	16.390	≥ 0.5	Pass
		2462	/	/	1	16.375	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.598	≥ 0.5	Pass
		2437	/	/	1	17.600	≥ 0.5	Pass
		2462	/	/	1	17.587	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	19.156	≥ 0.5	Pass
		2437	RU242	Left	1	19.127	≥ 0.5	Pass
		2462	RU242	Left	1	19.143	≥ 0.5	Pass

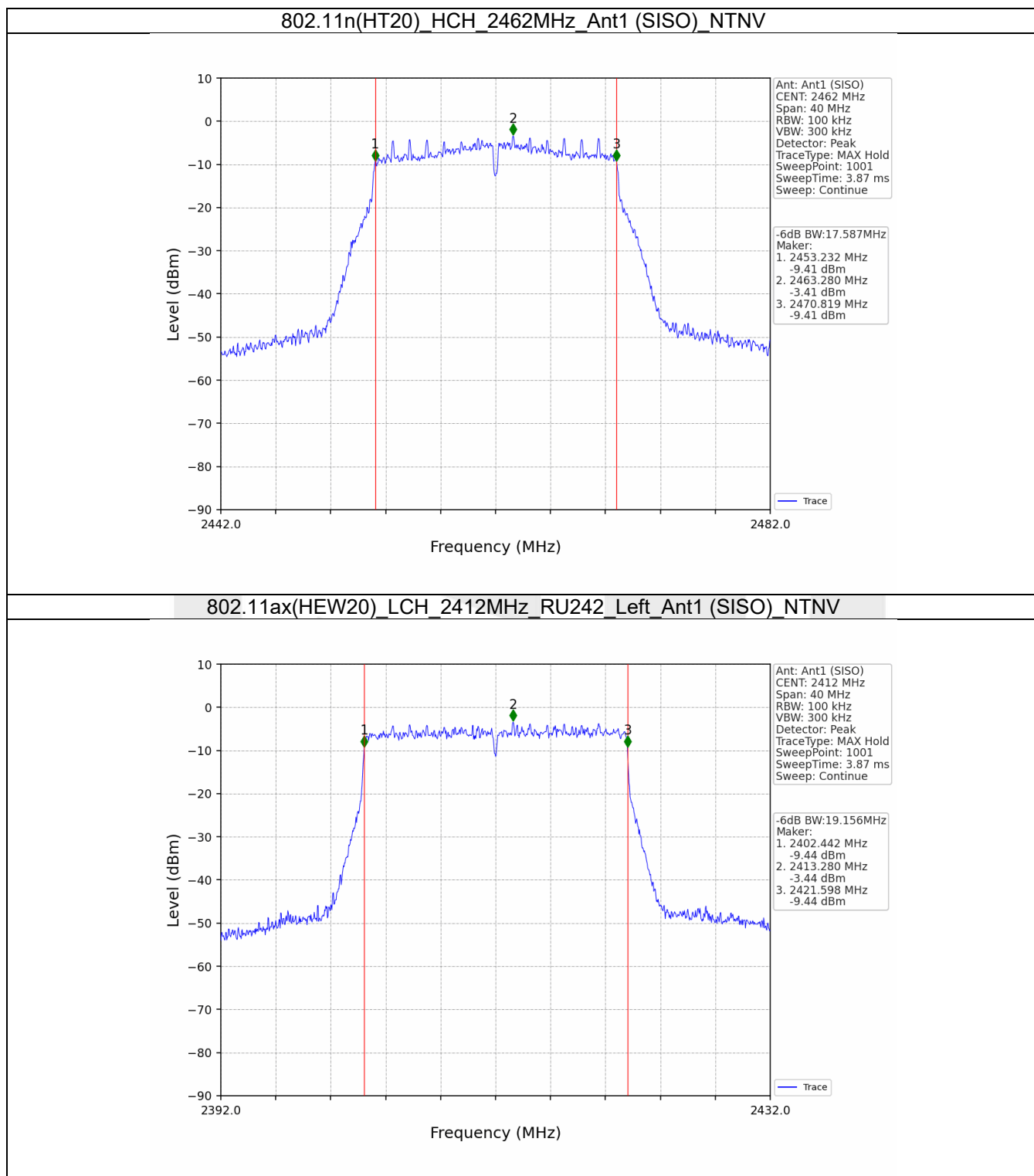
2.2.2 Test Graph

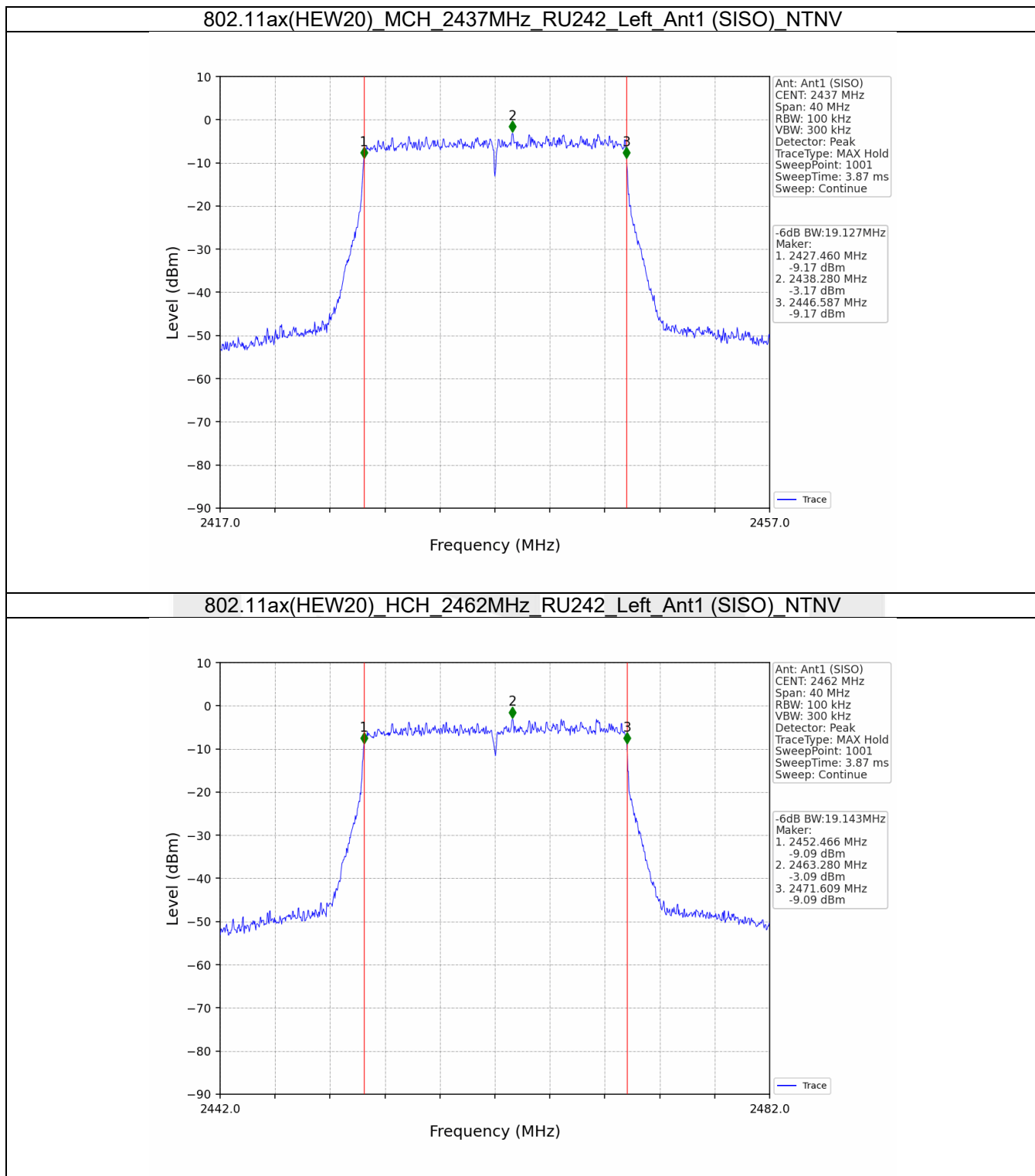












3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)			Verdict
					ANT1	ANT2	Limit	
802.11b	SISO	2412	/	/	17.09	18.32	<=30	Pass
		2437	/	/	17.59	18.41	<=30	Pass
		2462	/	/	17.45	18.39	<=30	Pass
802.11g	SISO	2412	/	/	16.12	14.68	<=30	Pass
		2437	/	/	16.43	14.98	<=30	Pass
		2462	/	/	16.44	14.63	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	16.29	14.29	<=30	Pass
		2437	/	/	16.03	15.35	<=30	Pass
		2462	/	/	16.10	14.84	<=30	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	17.69	16.32	<=30	Pass
		2437	RU242	Left	17.98	16.41	<=30	Pass
		2462	RU242	Left	17.92	16.31	<=30	Pass

Note1: Antenna Gain: Ant1: 2.90dBi; Ant2: 2.66dBi;

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11g	SISO	2412	/	/	16.12	14.68	18.47	<=30	Pass
		2437	/	/	16.43	14.98	18.78	<=30	Pass
		2462	/	/	16.44	14.63	18.64	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	16.29	14.29	18.41	<=30	Pass
		2437	/	/	16.03	15.35	18.71	<=30	Pass
		2462	/	/	16.10	14.84	18.53	<=30	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	17.69	16.32	20.07	<=30	Pass
		2437	RU242	Left	17.98	16.41	20.28	<=30	Pass
		2462	RU242	Left	17.92	16.31	20.20	<=30	Pass

Note1: Antenna Gain: Ant1: 2.90dBi; Ant2: 2.66dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.78dBi)

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	/	/	-6.94	-6.07	<=8	Pass
		2437	/	/	-7.97	-5.46	<=8	Pass
		2462	/	/	-7.26	-6.40	<=8	Pass
802.11g	SISO	2412	/	/	-16.37	-17.76	<=8	Pass
		2437	/	/	-15.66	-18.50	<=8	Pass
		2462	/	/	-15.80	-17.84	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-16.00	-18.62	<=8	Pass
		2437	/	/	-15.36	-16.89	<=8	Pass
		2462	/	/	-15.77	-17.67	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	-18.62	-20.14	<=8	Pass
		2437	RU242	Left	-18.98	-20.38	<=8	Pass
		2462	RU242	Left	-18.97	-20.46	<=8	Pass

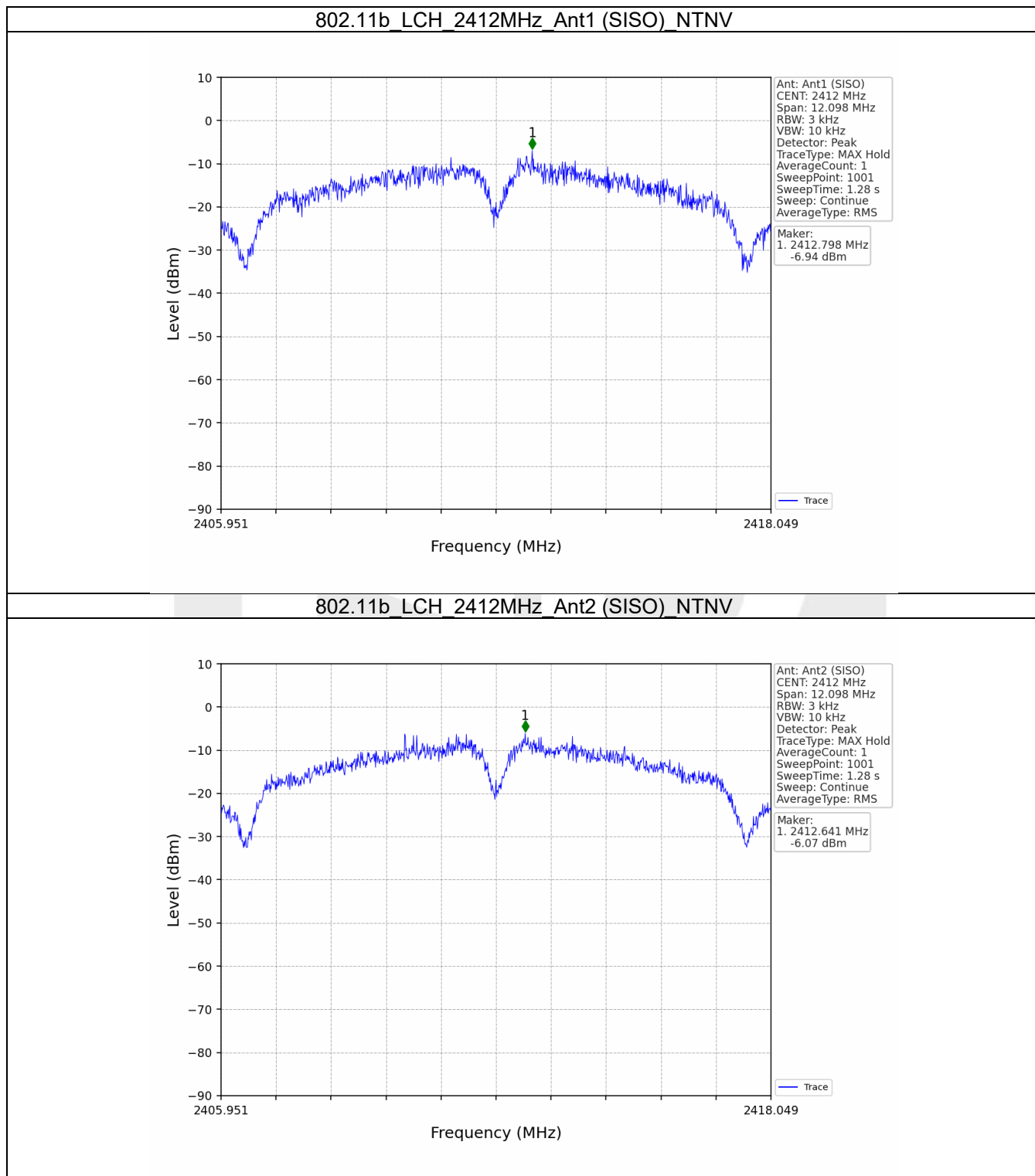
Note1: Antenna Gain: Ant1: 2.90dBi; Ant2: 2.66dBi;

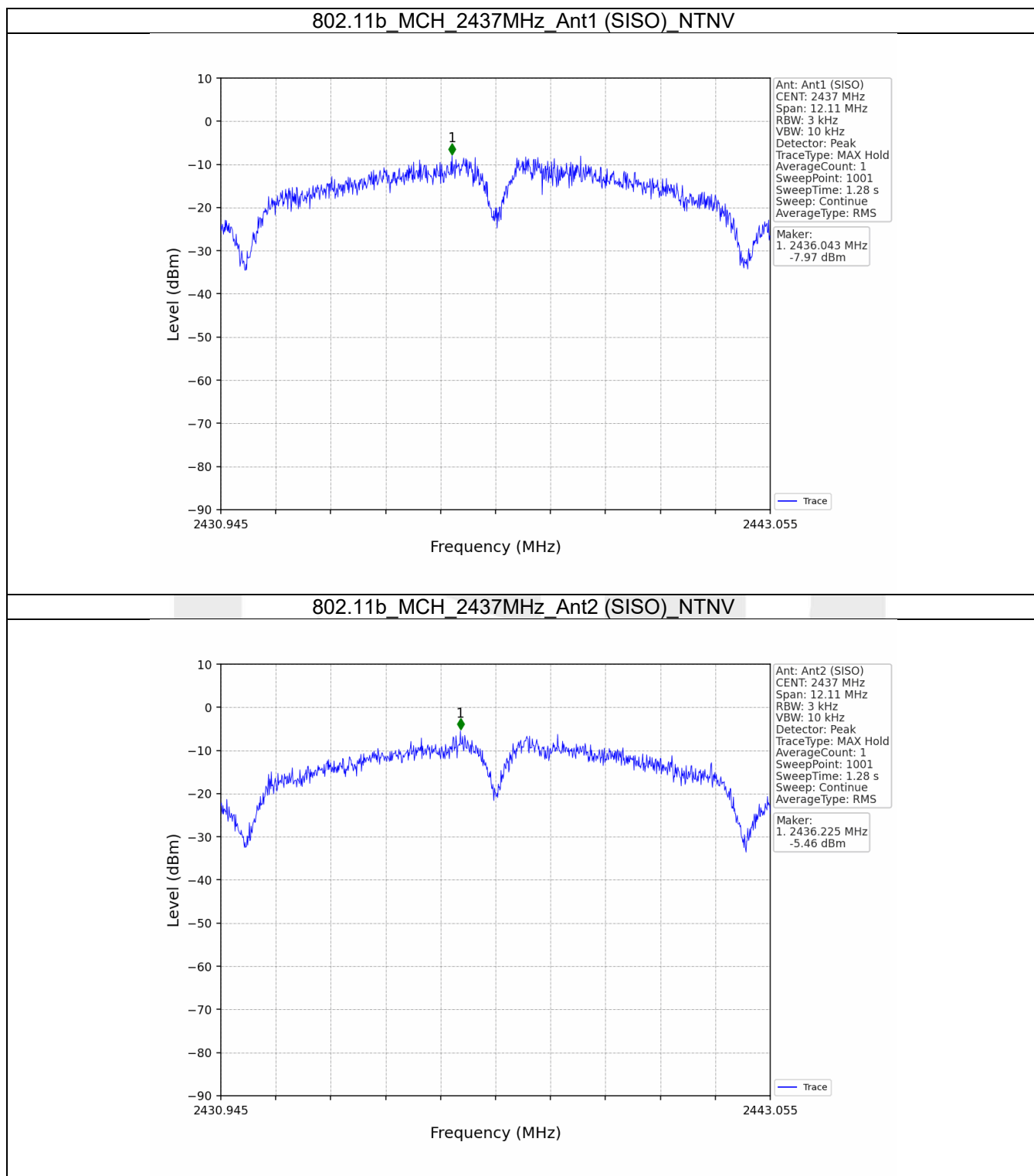
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11g	SISO	2412	/	/	-16.37	-17.76	-14.00	<=8	Pass
		2437	/	/	-15.66	-18.50	-13.84	<=8	Pass
		2462	/	/	-15.80	-17.84	-13.69	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-16.00	-18.62	-14.11	<=8	Pass
		2437	/	/	-15.36	-16.89	-13.05	<=8	Pass
		2462	/	/	-15.77	-17.67	-13.61	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	-18.62	-20.14	-16.30	<=8	Pass
		2437	RU242	Left	-18.98	-20.38	-16.61	<=8	Pass
		2462	RU242	Left	-18.97	-20.46	-16.64	<=8	Pass

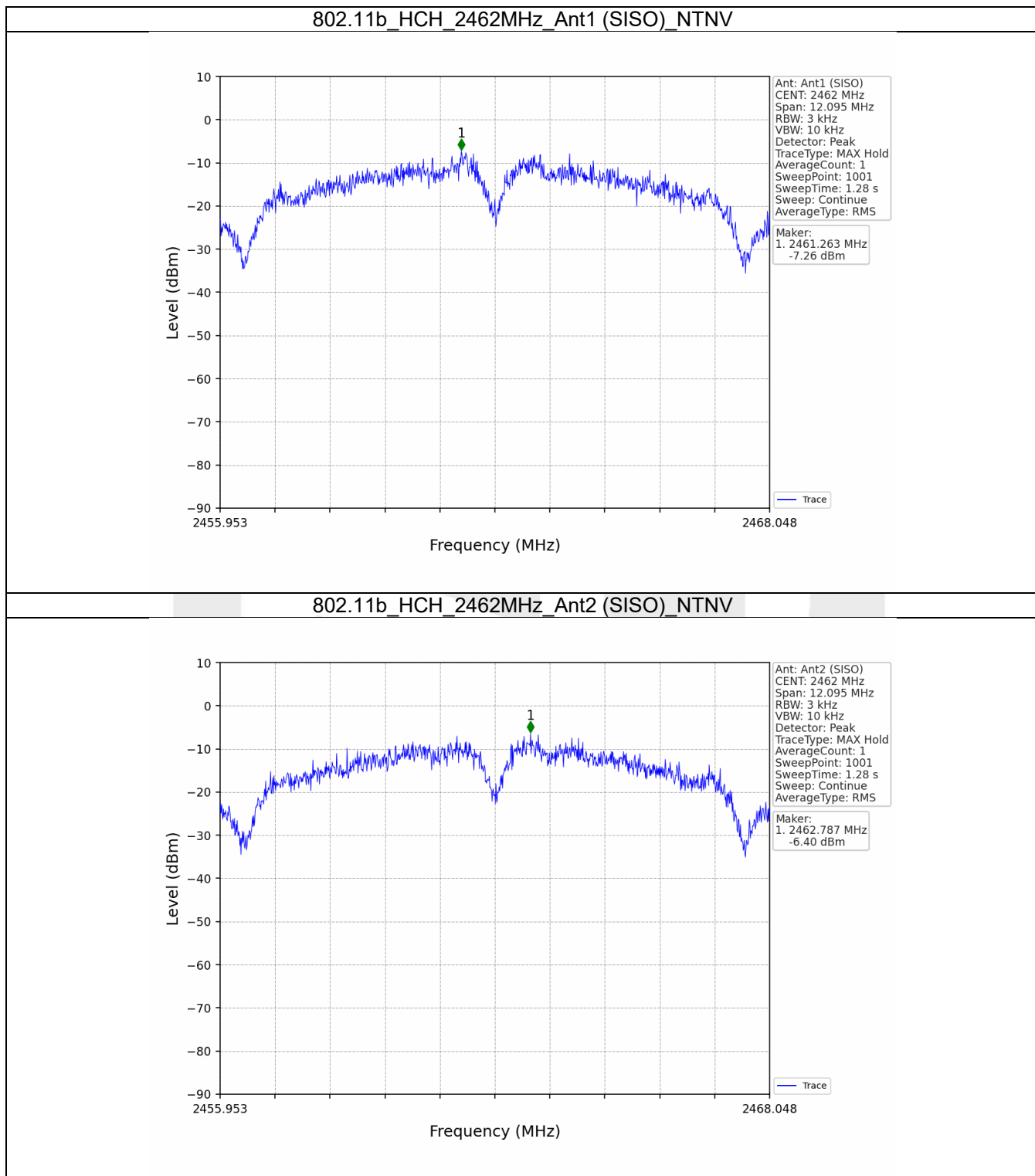
Note1: Antenna Gain: Ant1: 2.90dBi; Ant2: 2.66dBi;

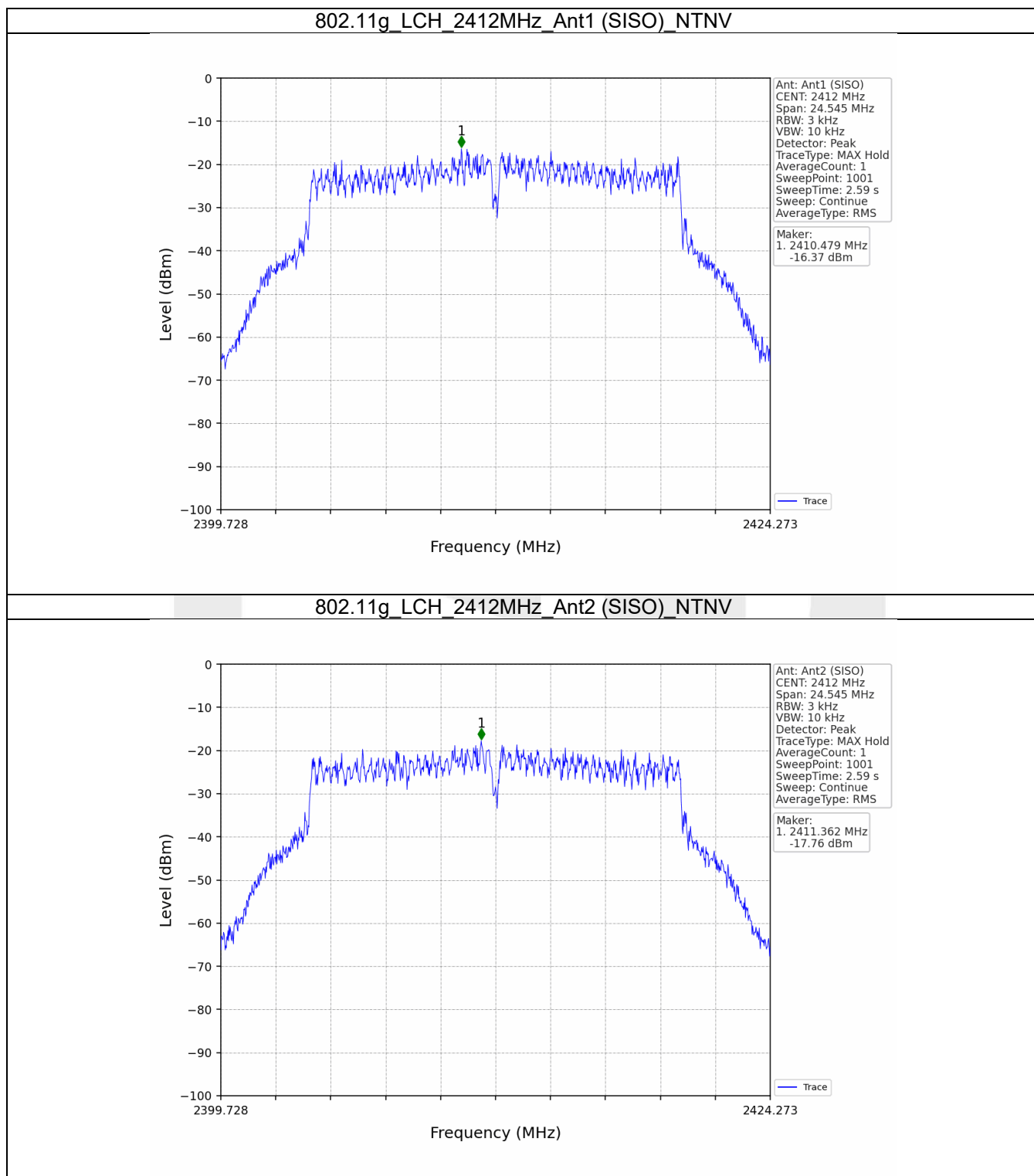
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.78dBi)

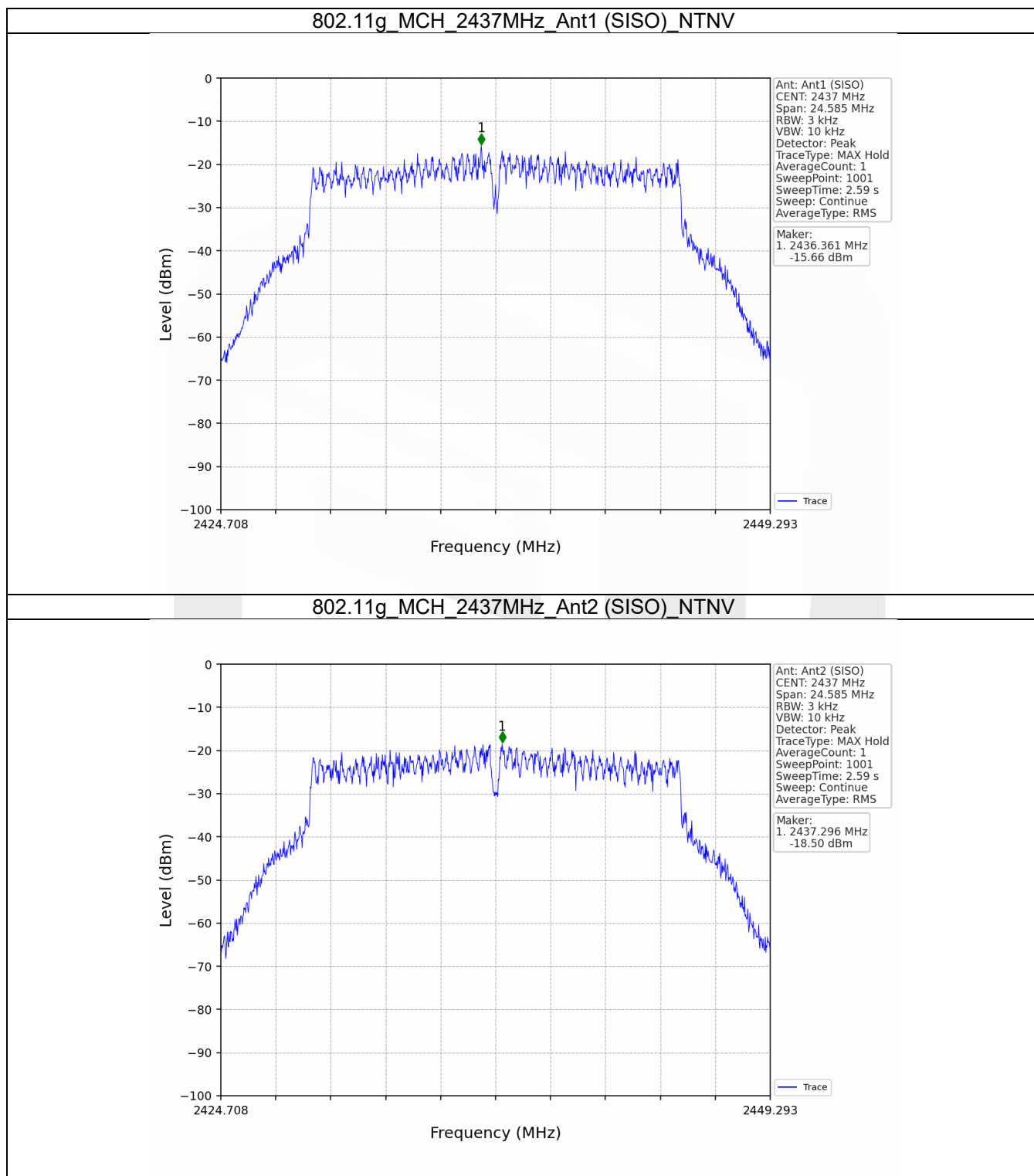
4.1.2 Test Graph

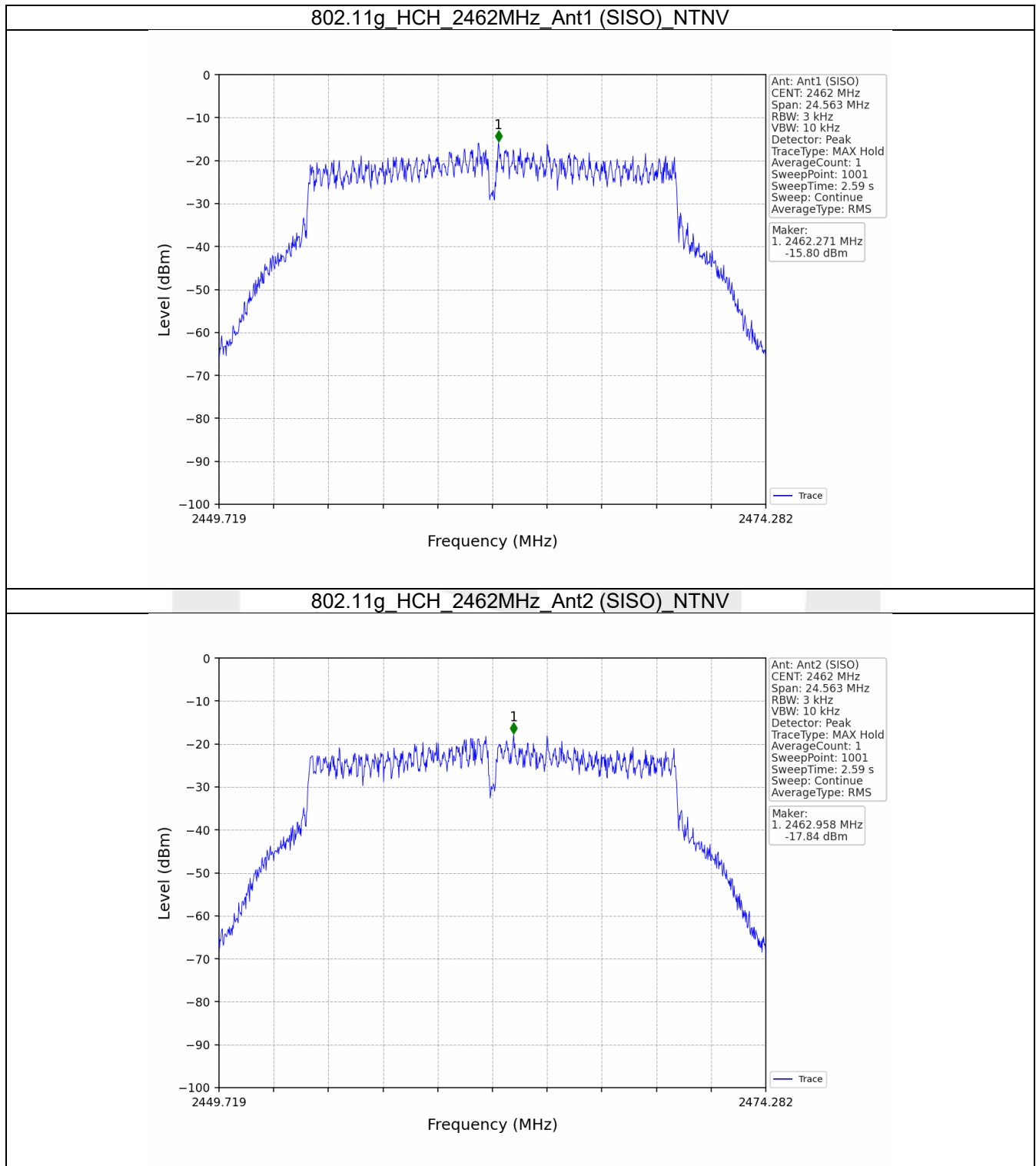


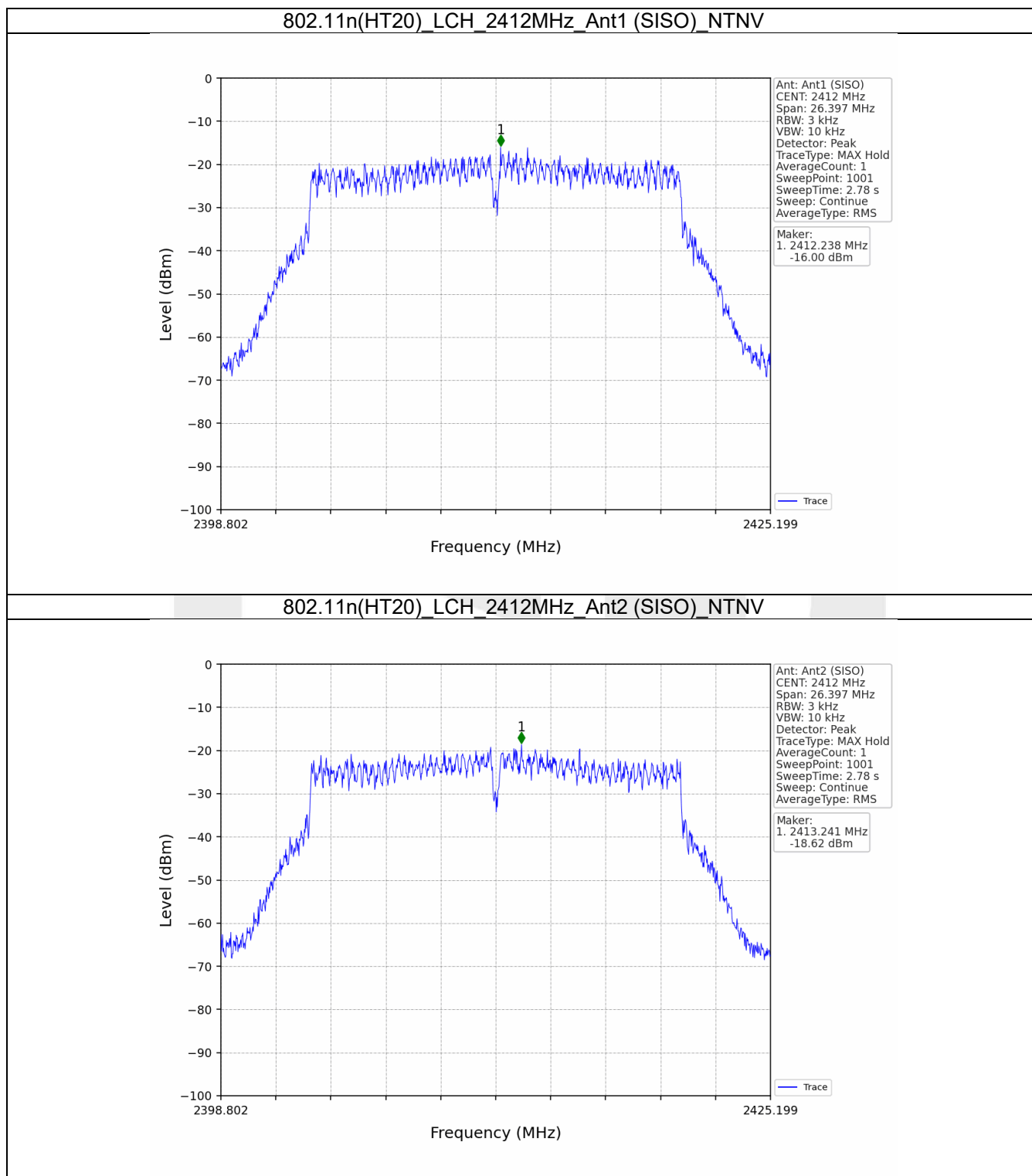


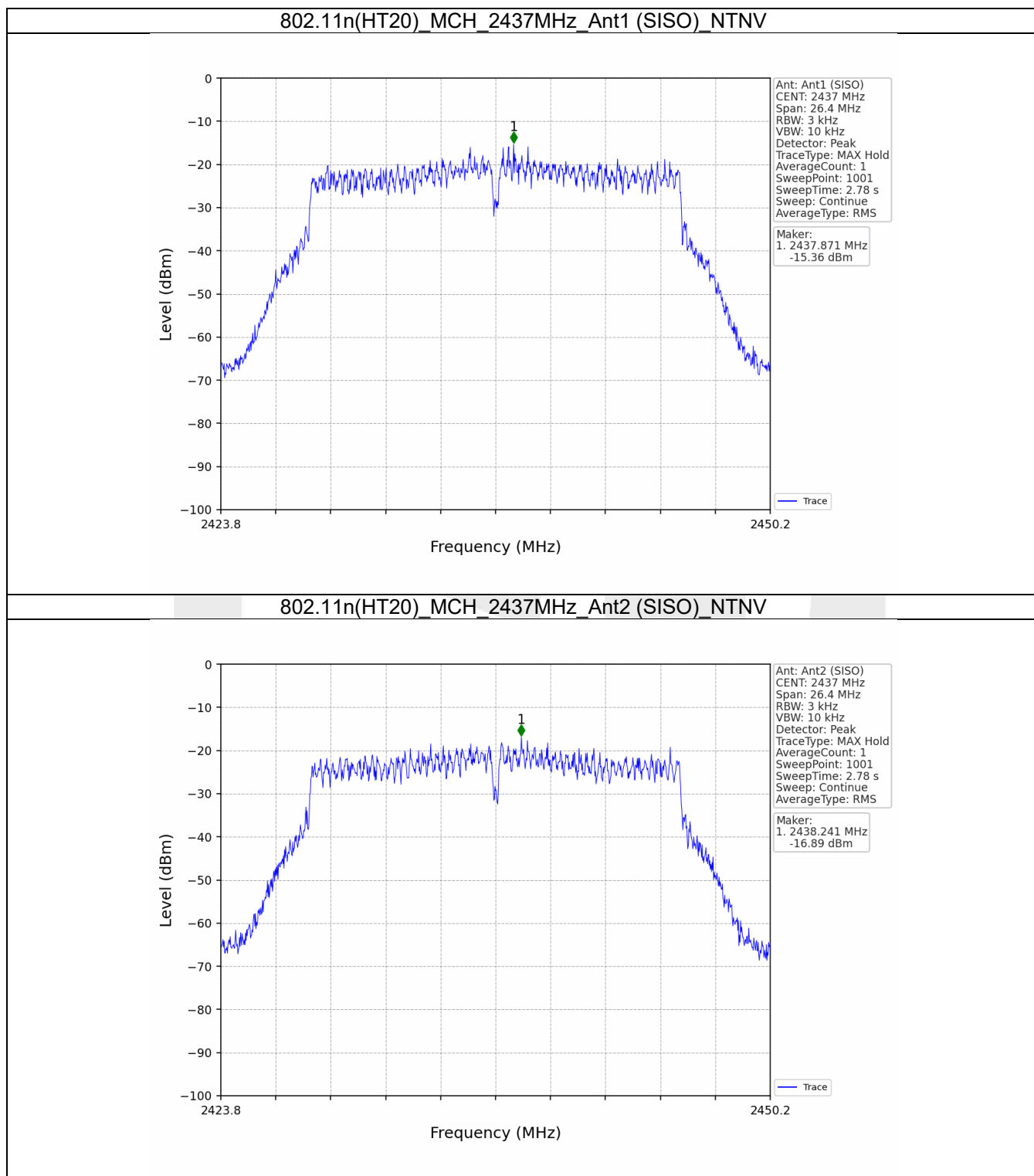


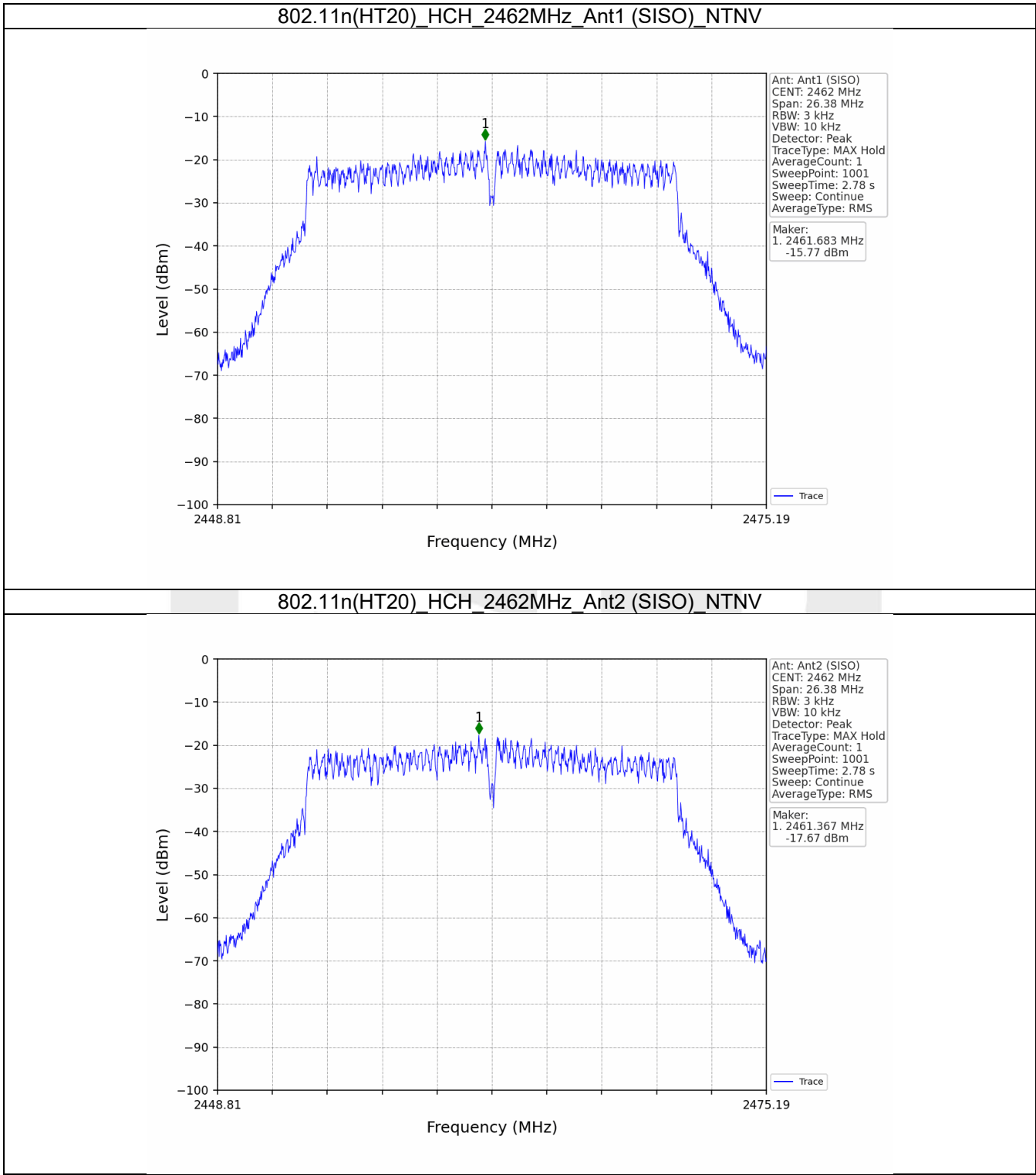


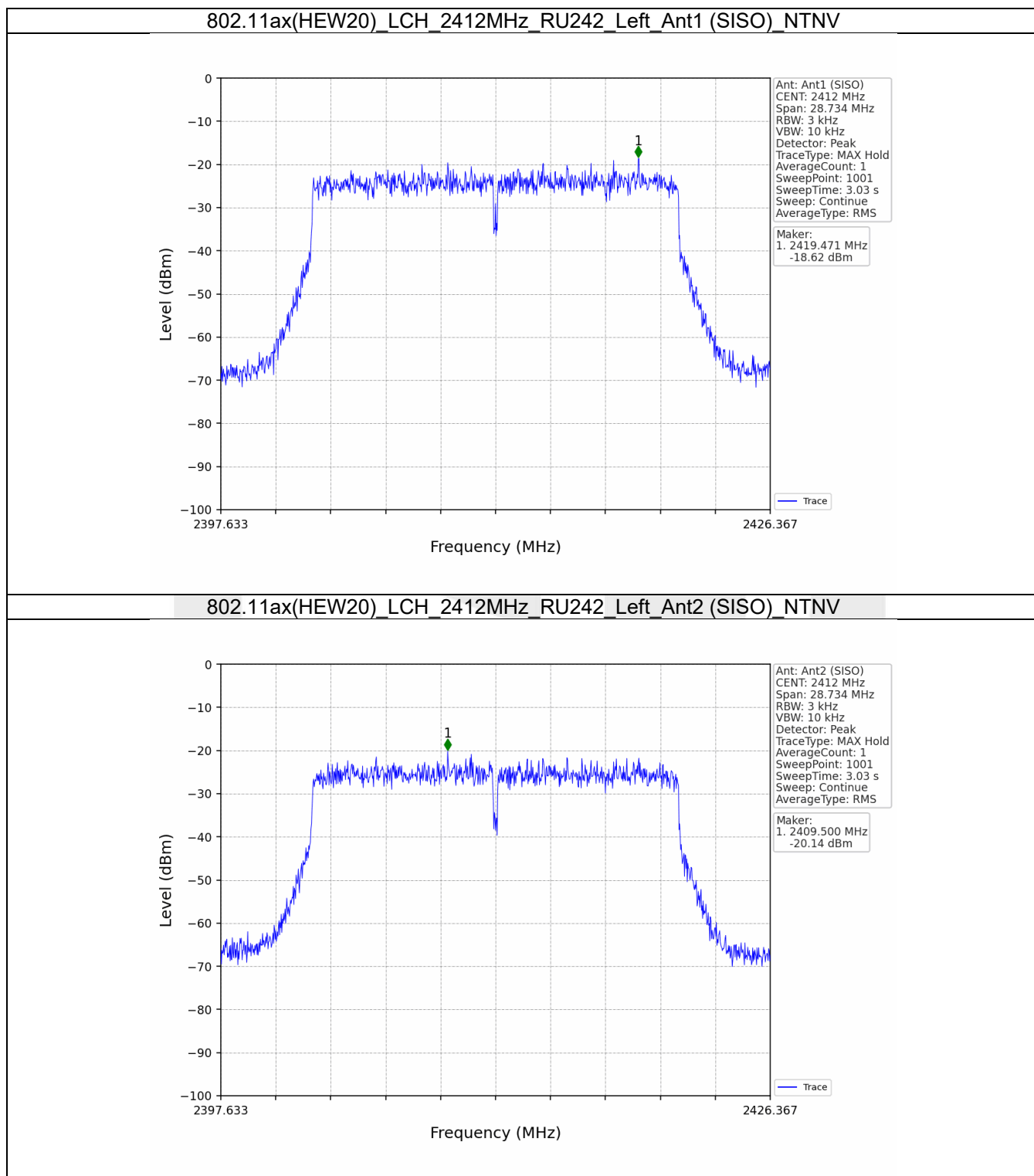




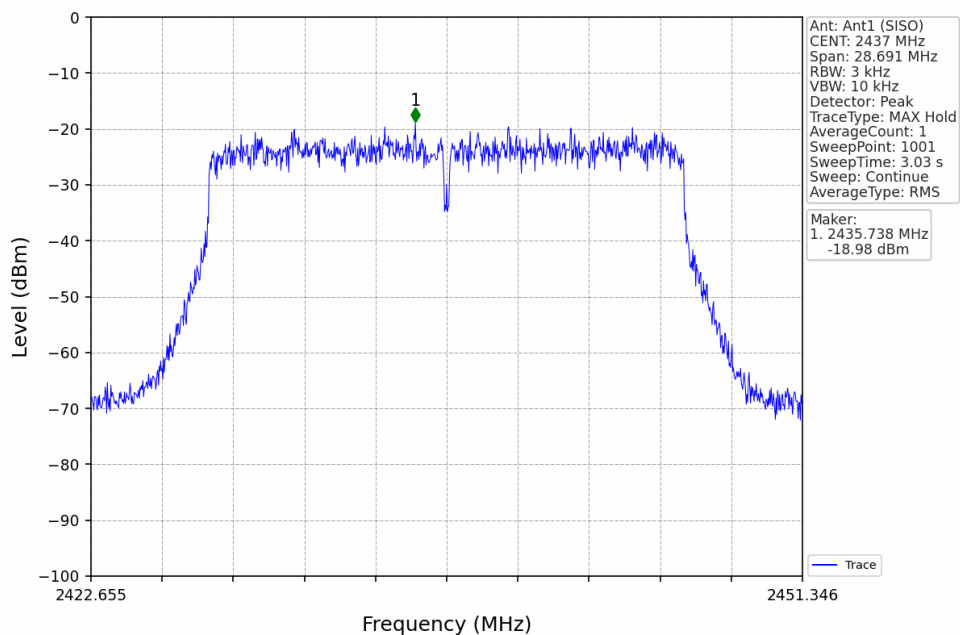




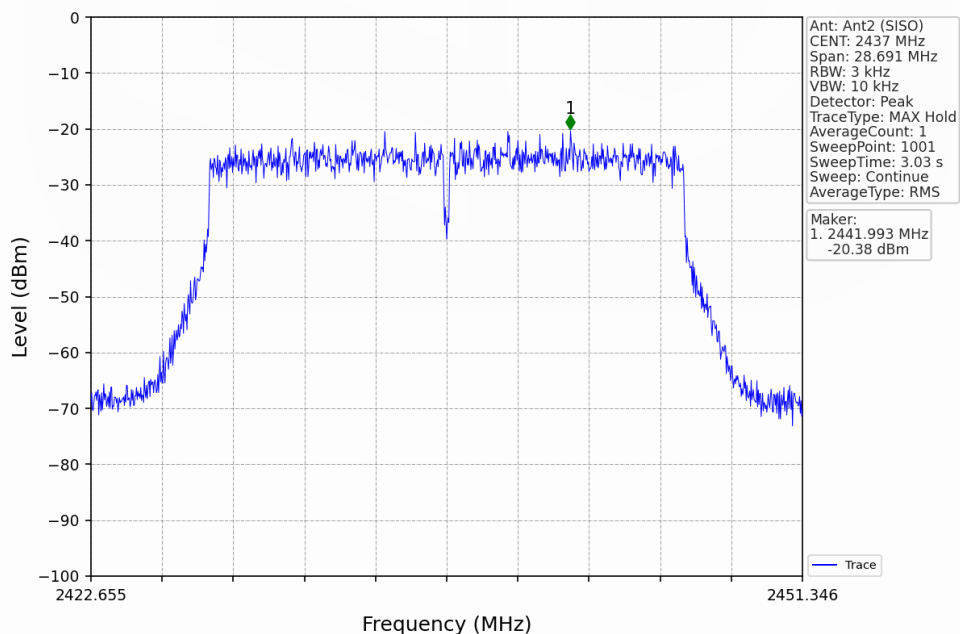


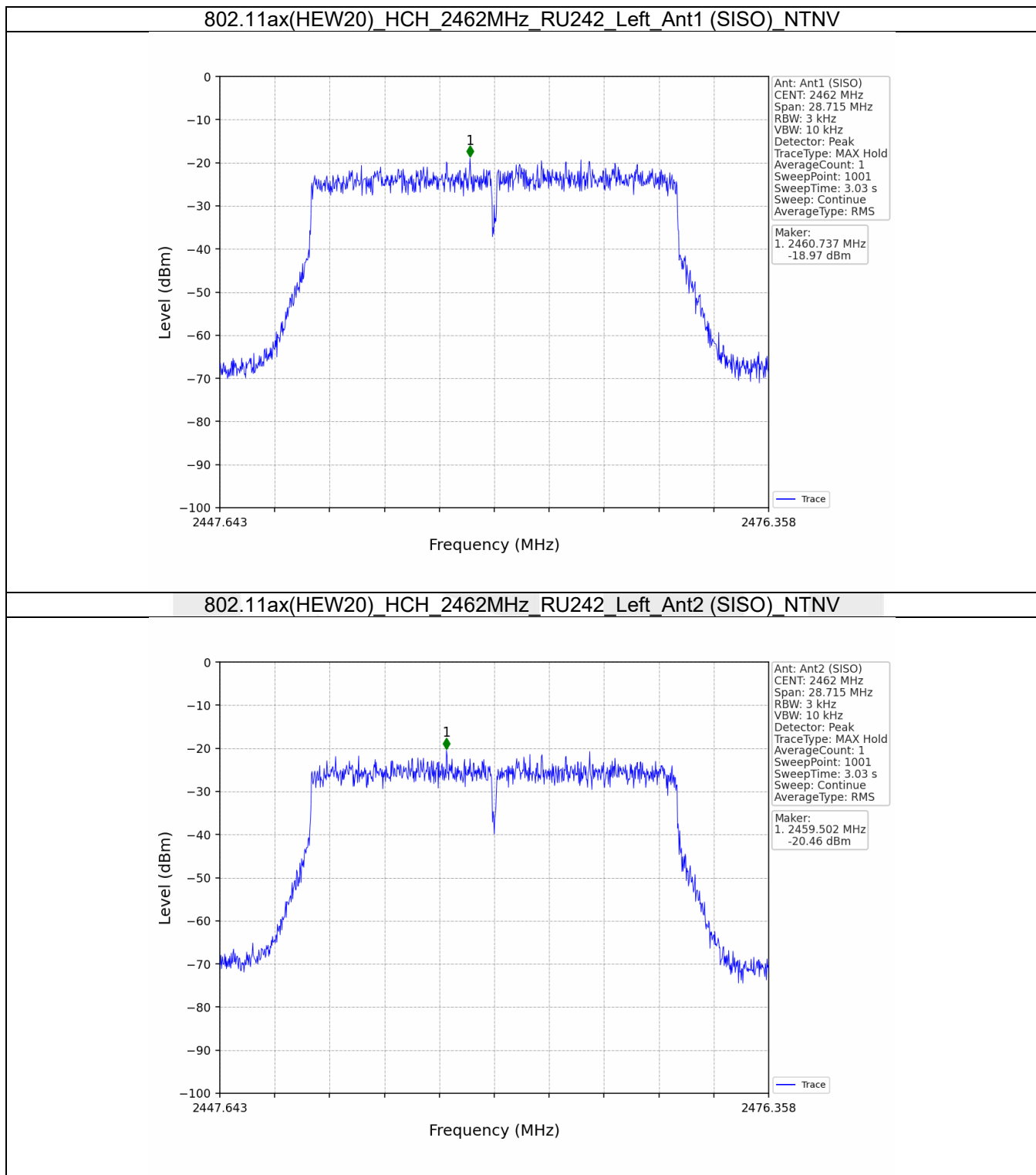


802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (SISO)_NTNV





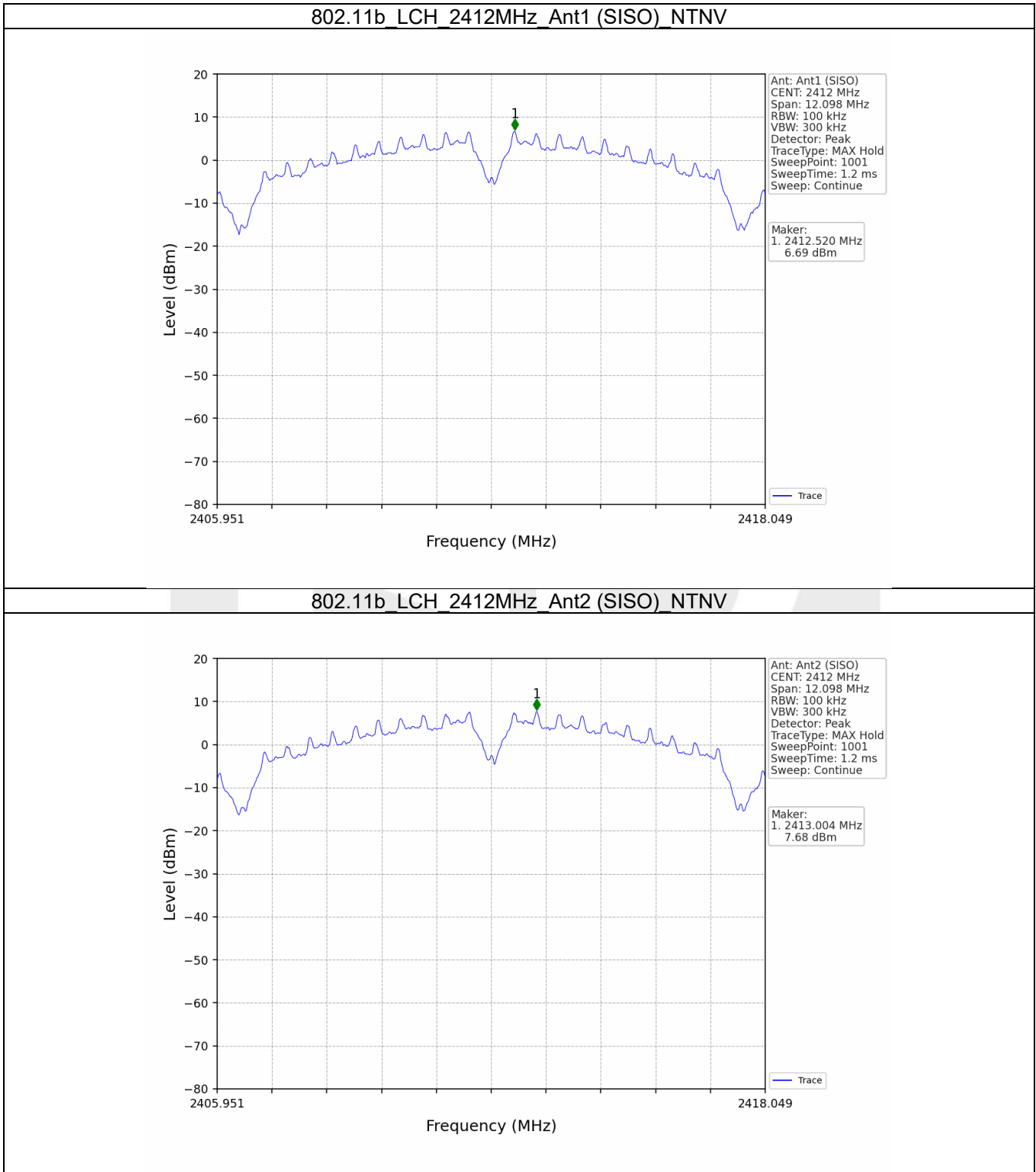
5. Unwanted Emissions In Non-restricted Frequency Bands

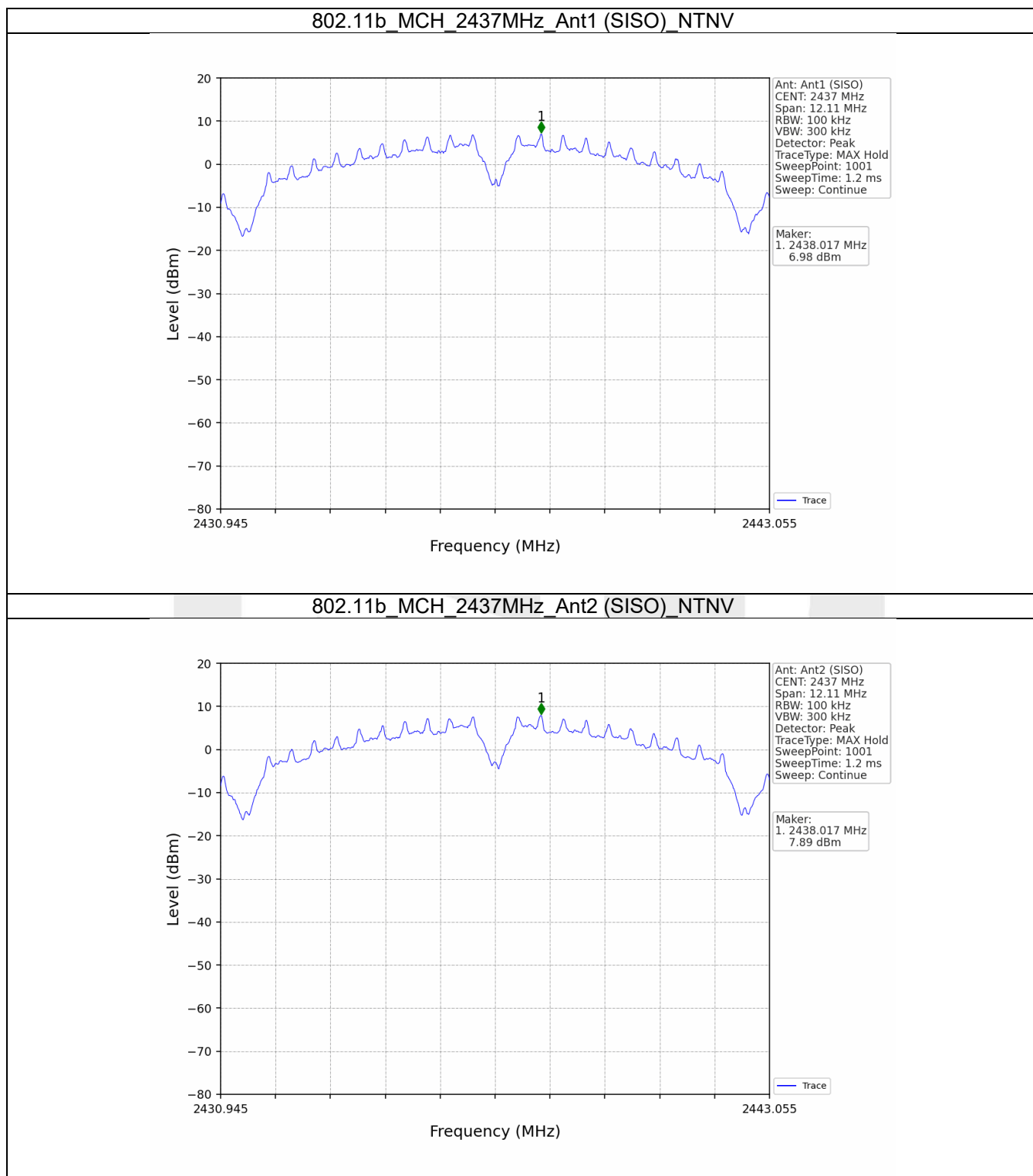
5.1 Ref

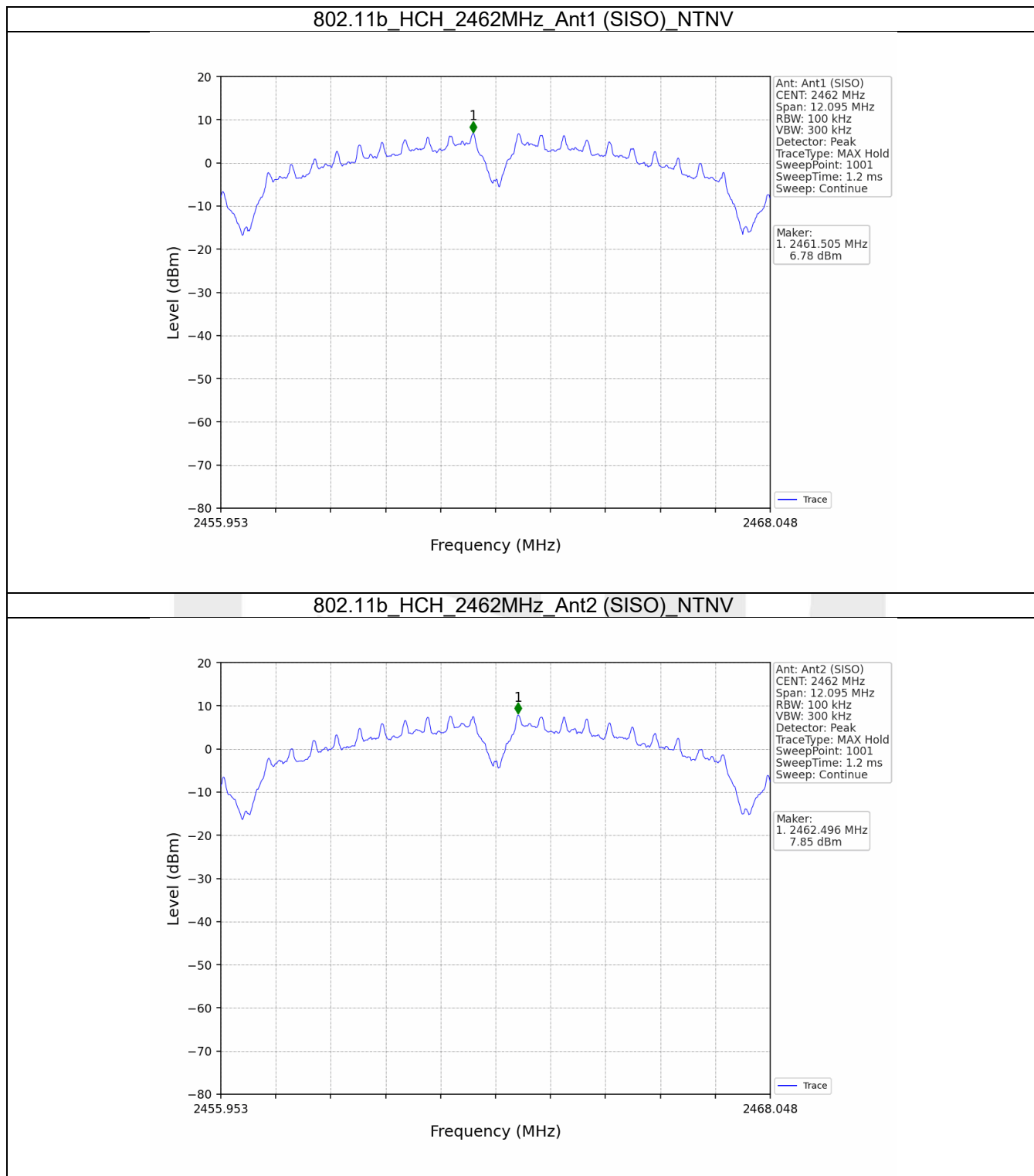
5.1.1 Test Result

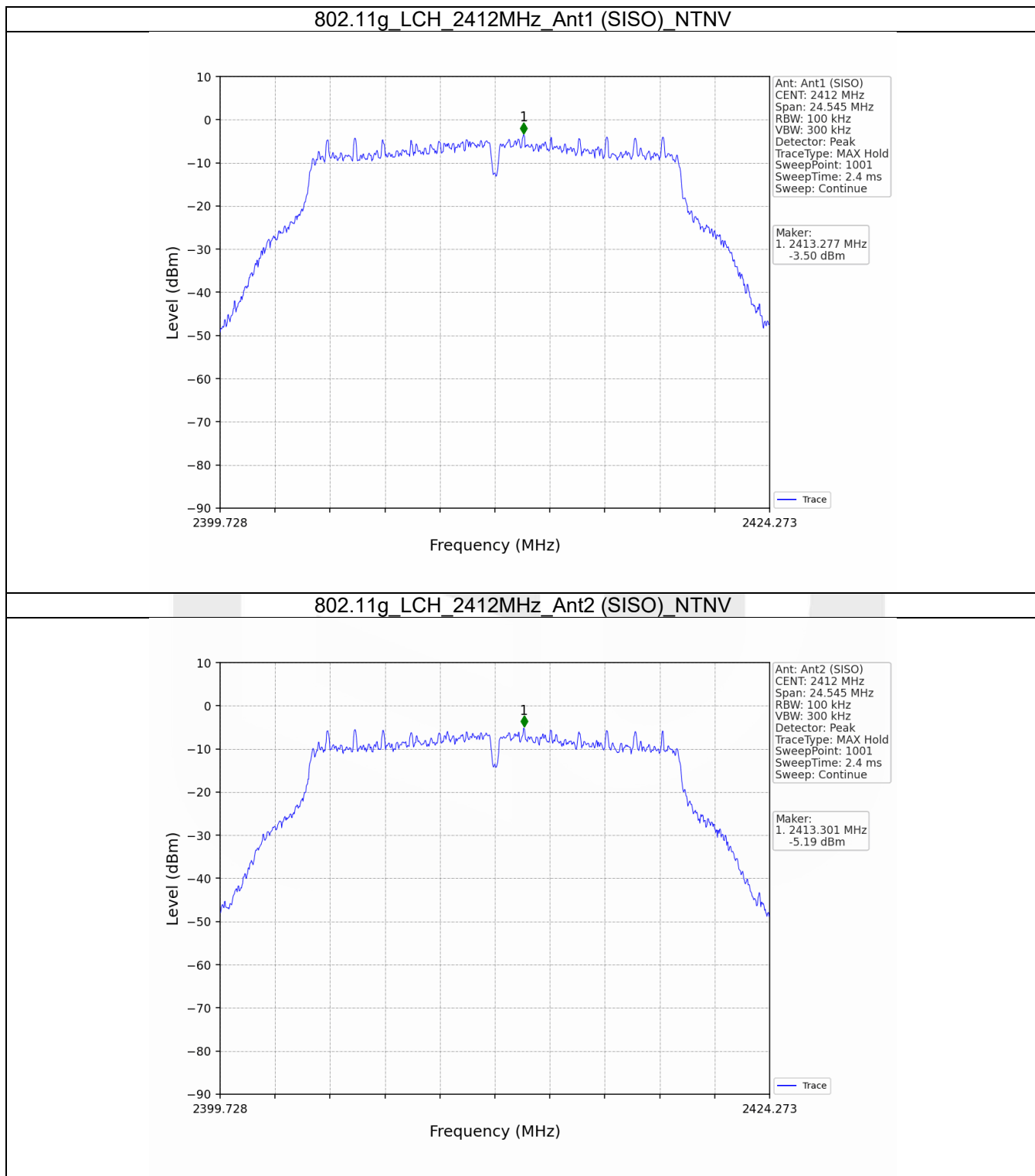
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	6.69
					2	7.68
		2437	/	/	1	6.98
					2	7.89
		2462	/	/	1	6.78
					2	7.85
802.11g	SISO	2412	/	/	1	-3.50
					2	-5.19
		2437	/	/	1	-3.60
					2	-4.78
		2462	/	/	1	-3.60
					2	-5.13
802.11n (HT20)	SISO	2412	/	/	1	-3.29
					2	-5.53
		2437	/	/	1	-3.61
					2	-4.43
		2462	/	/	1	-3.45
					2	-4.92
802.11ax (HEW20)	SISO	2412	RU242	Left	1	-3.49
					2	-5.01
		2437	RU242	Left	1	-3.16
					2	-4.67
		2462	RU242	Left	1	-3.12
					2	-4.97
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.						

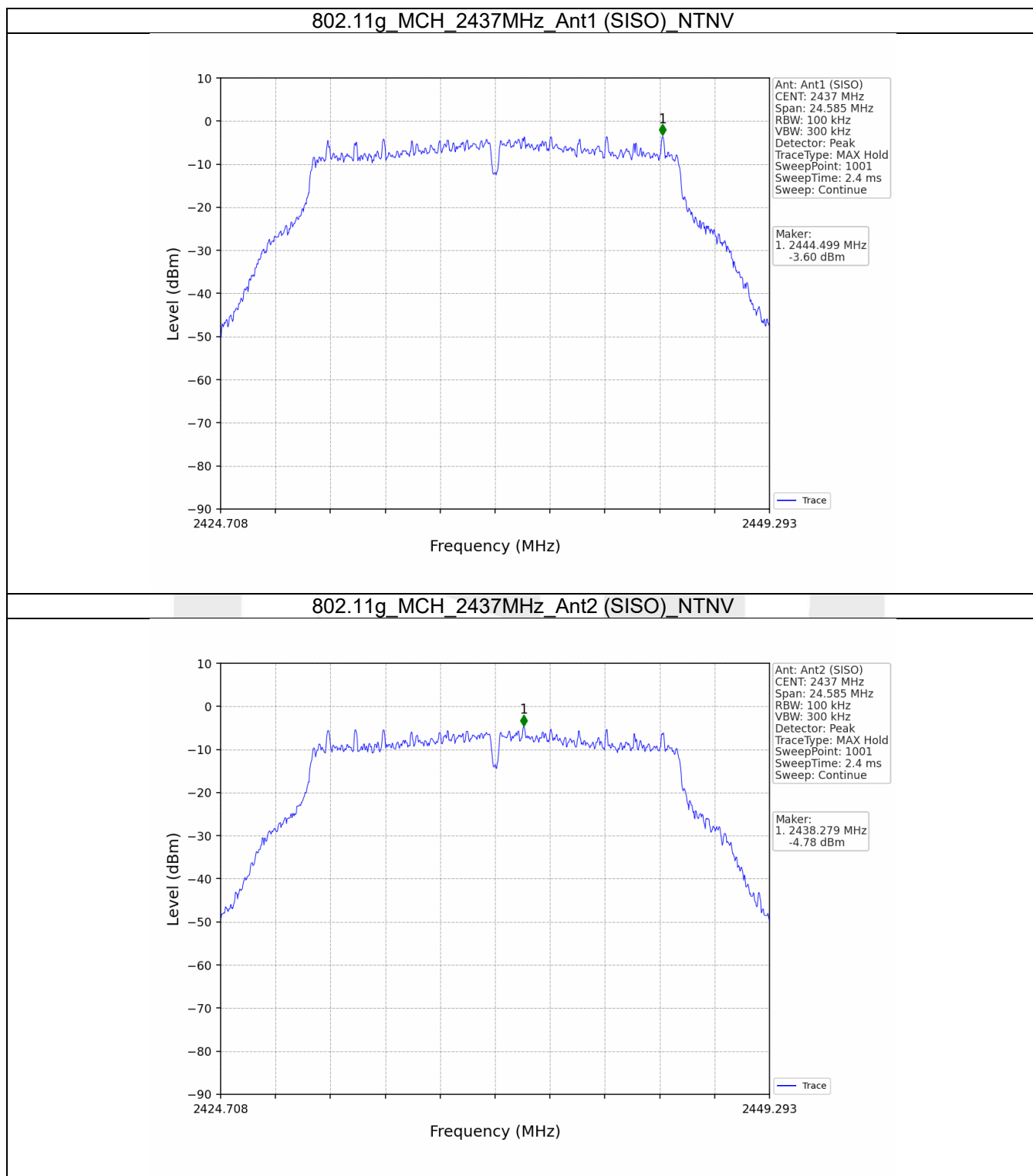
5.1.2 Test Graph

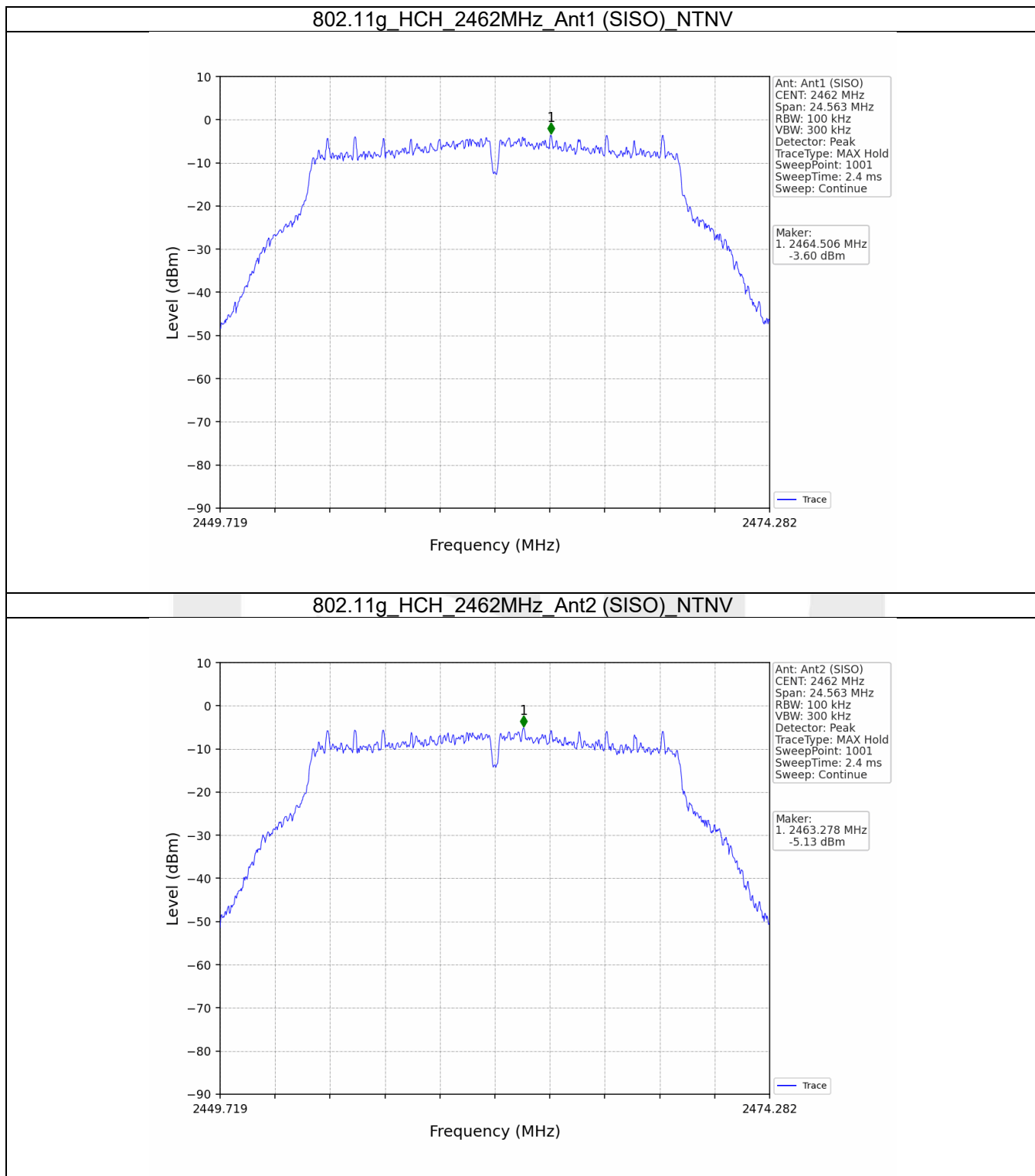


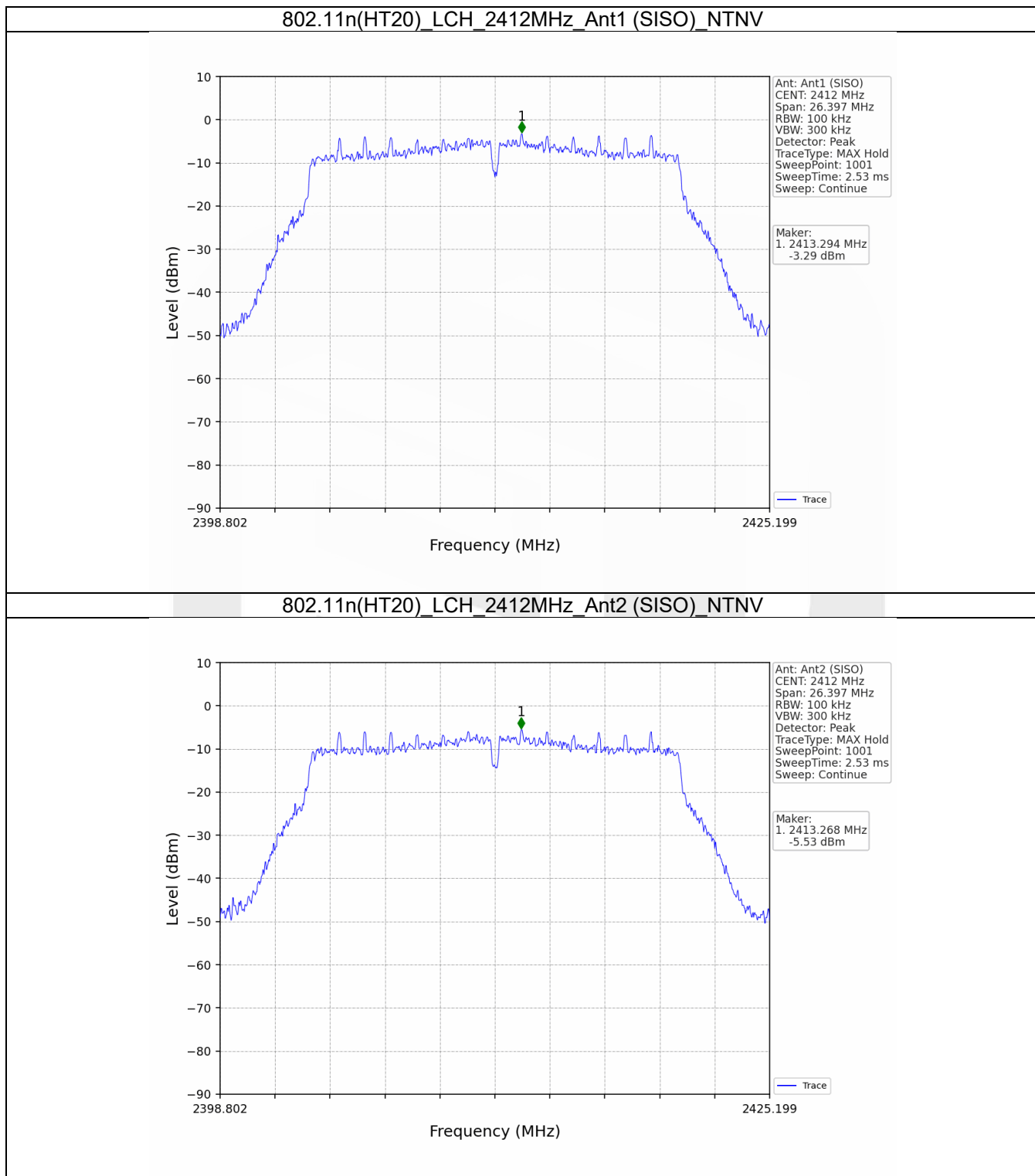


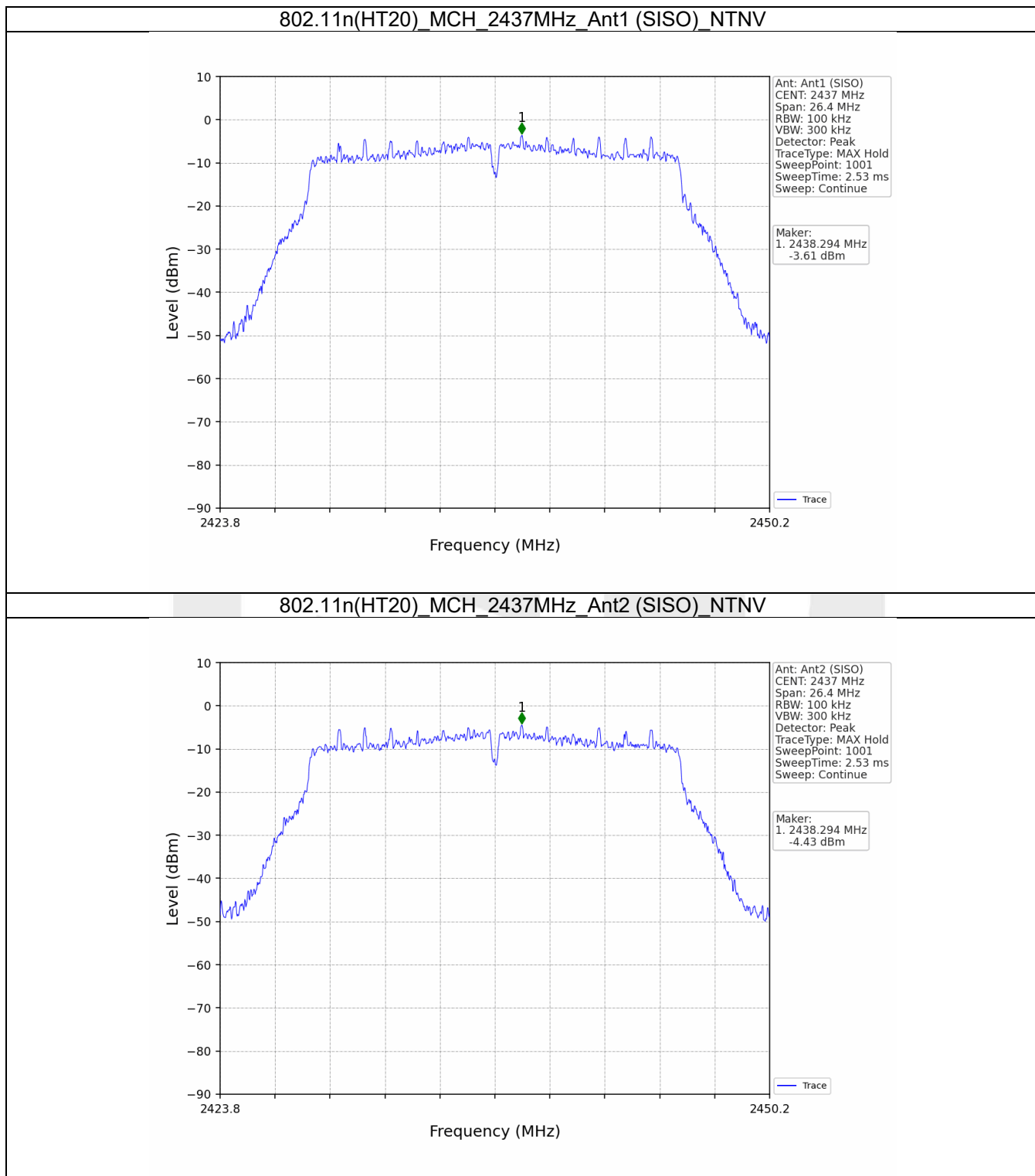


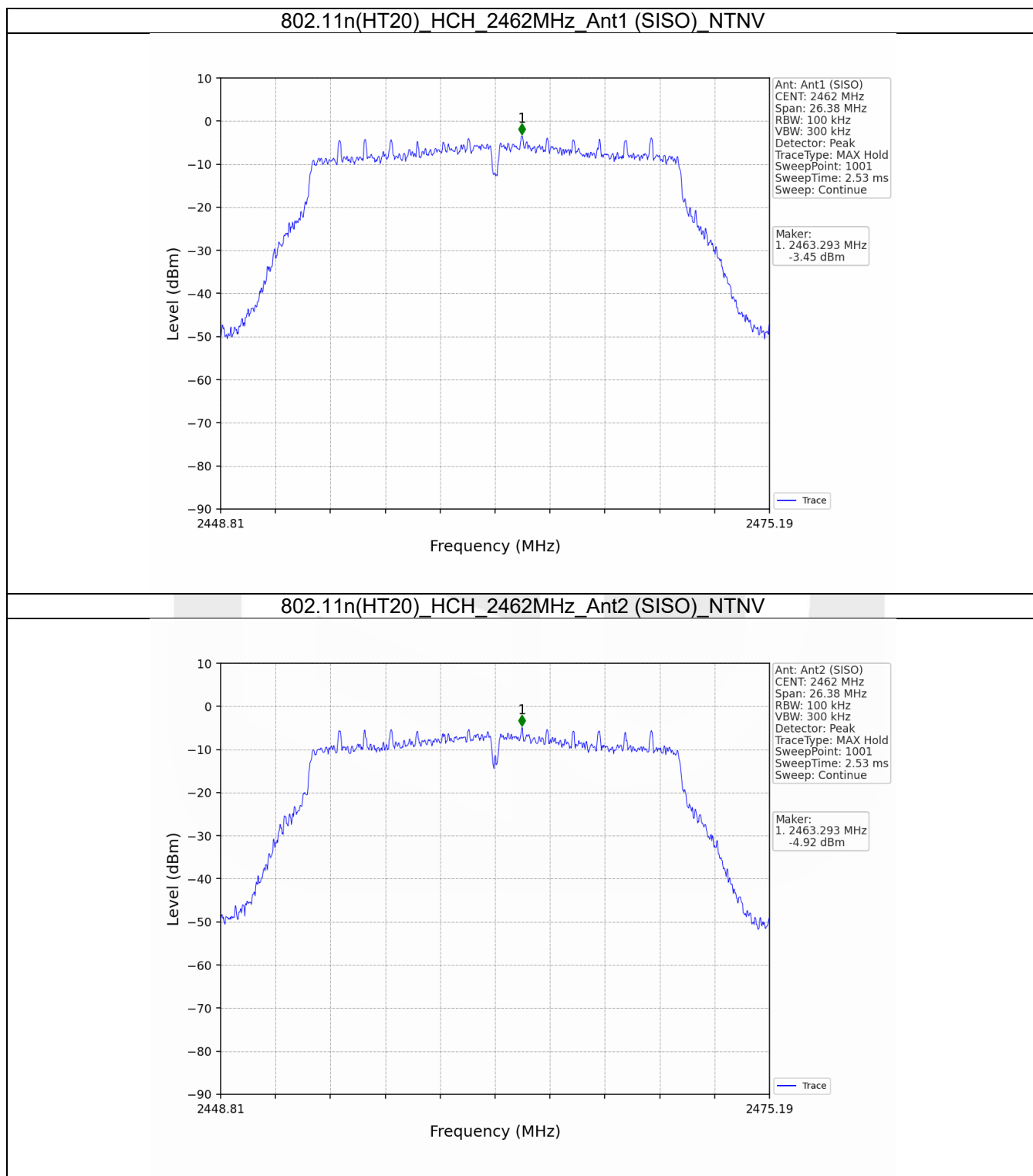




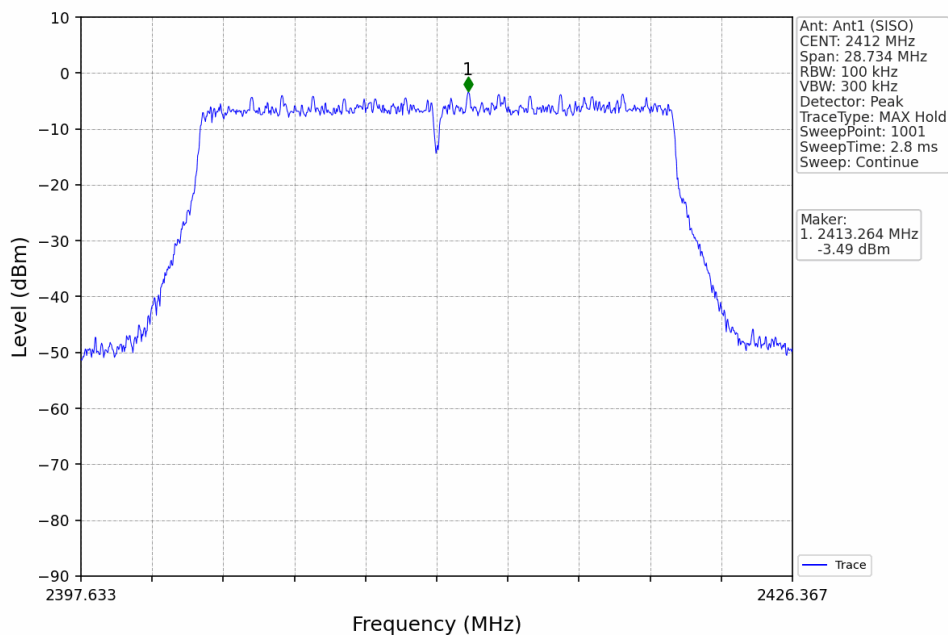




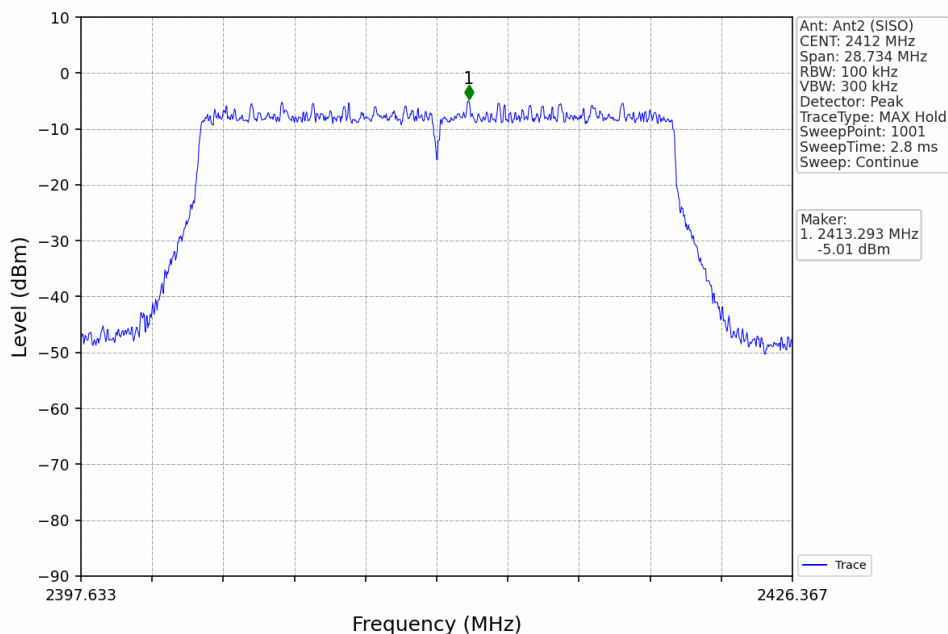




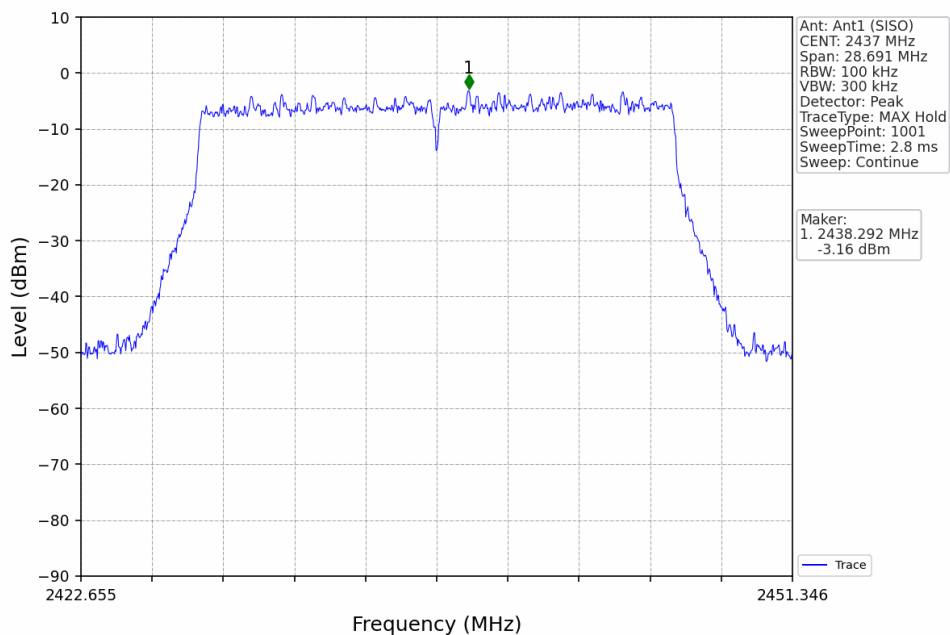
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



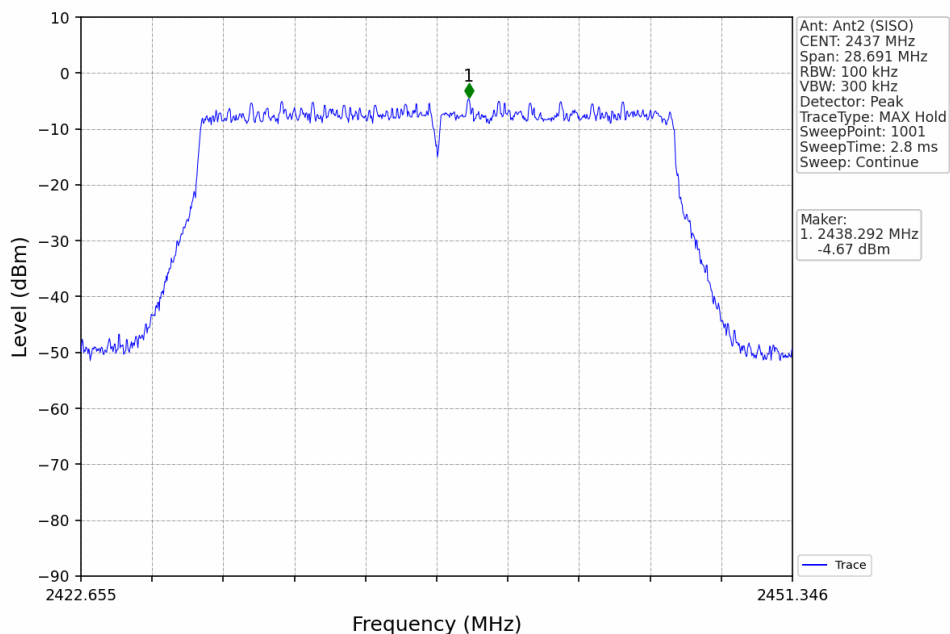
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant2 (SISO)_NTNV



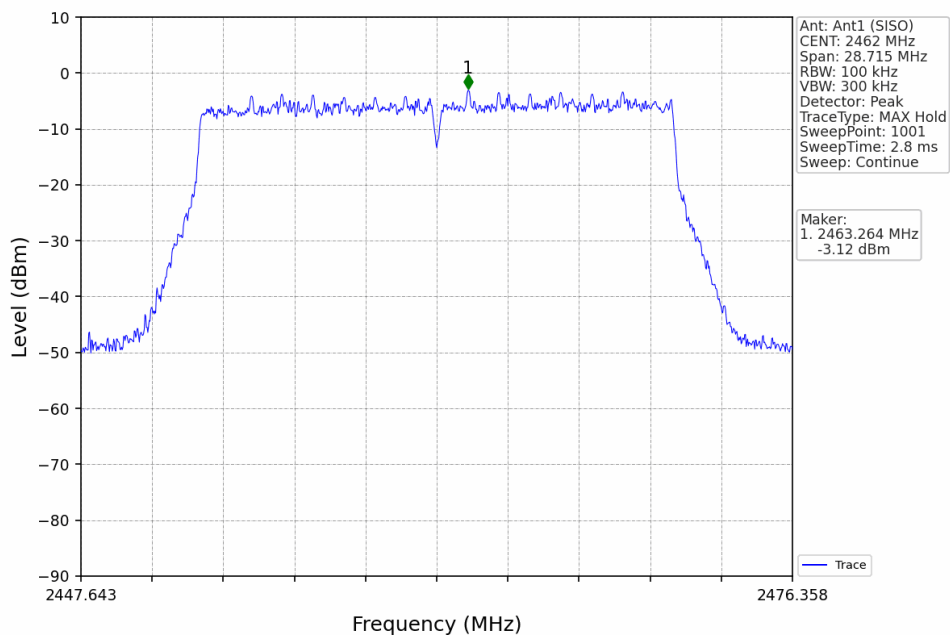
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



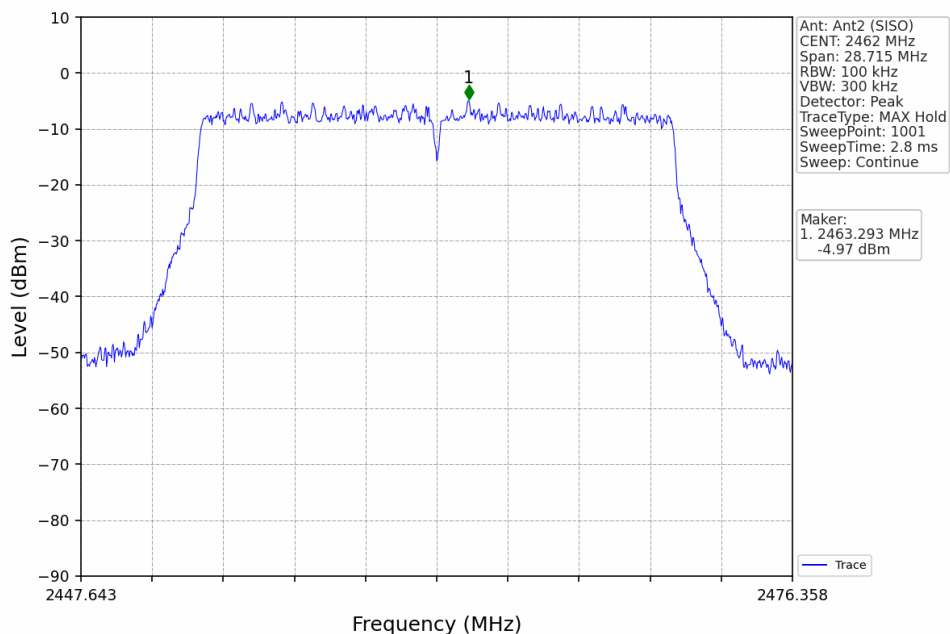
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant2 (SISO)_NTNV

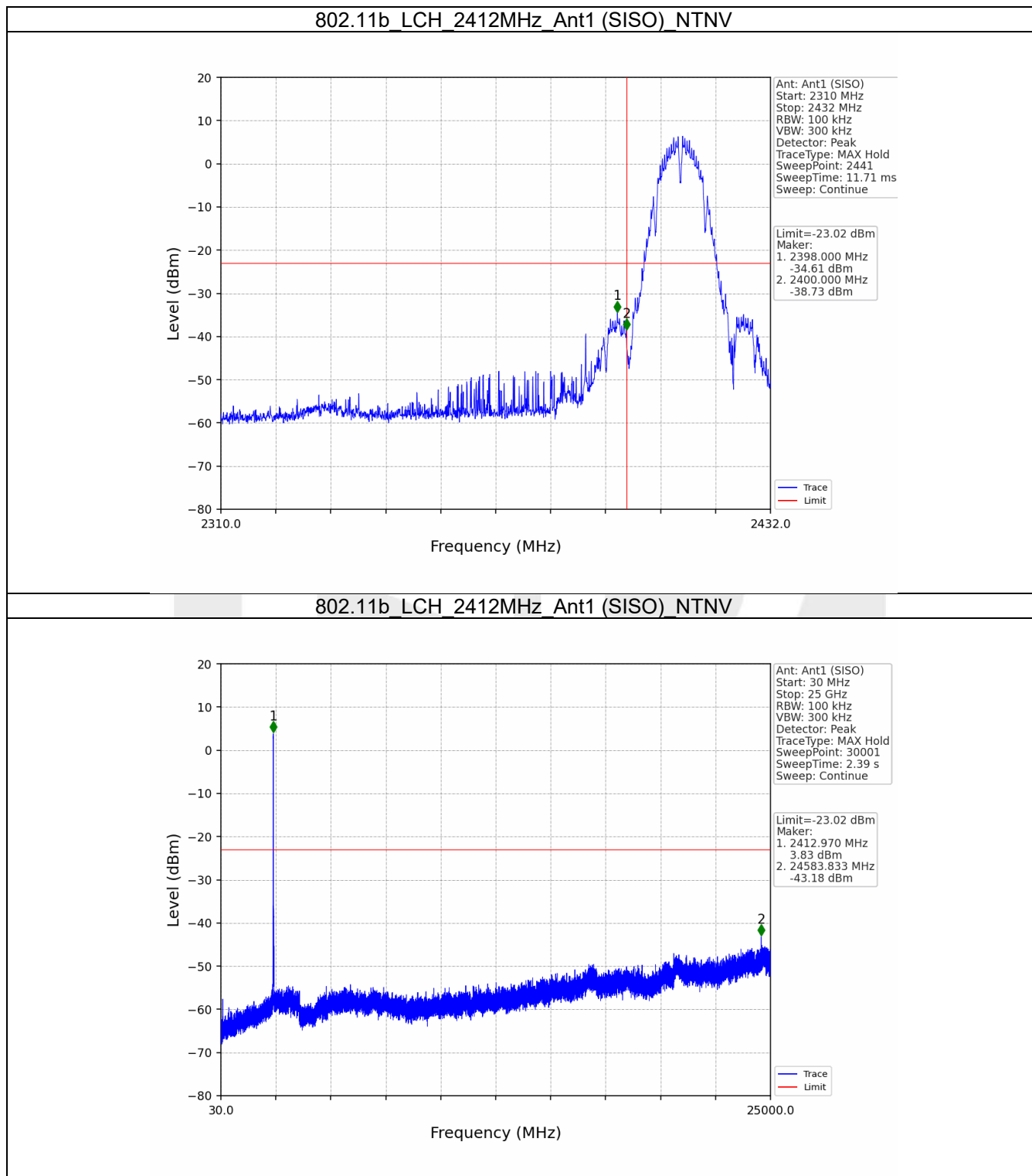


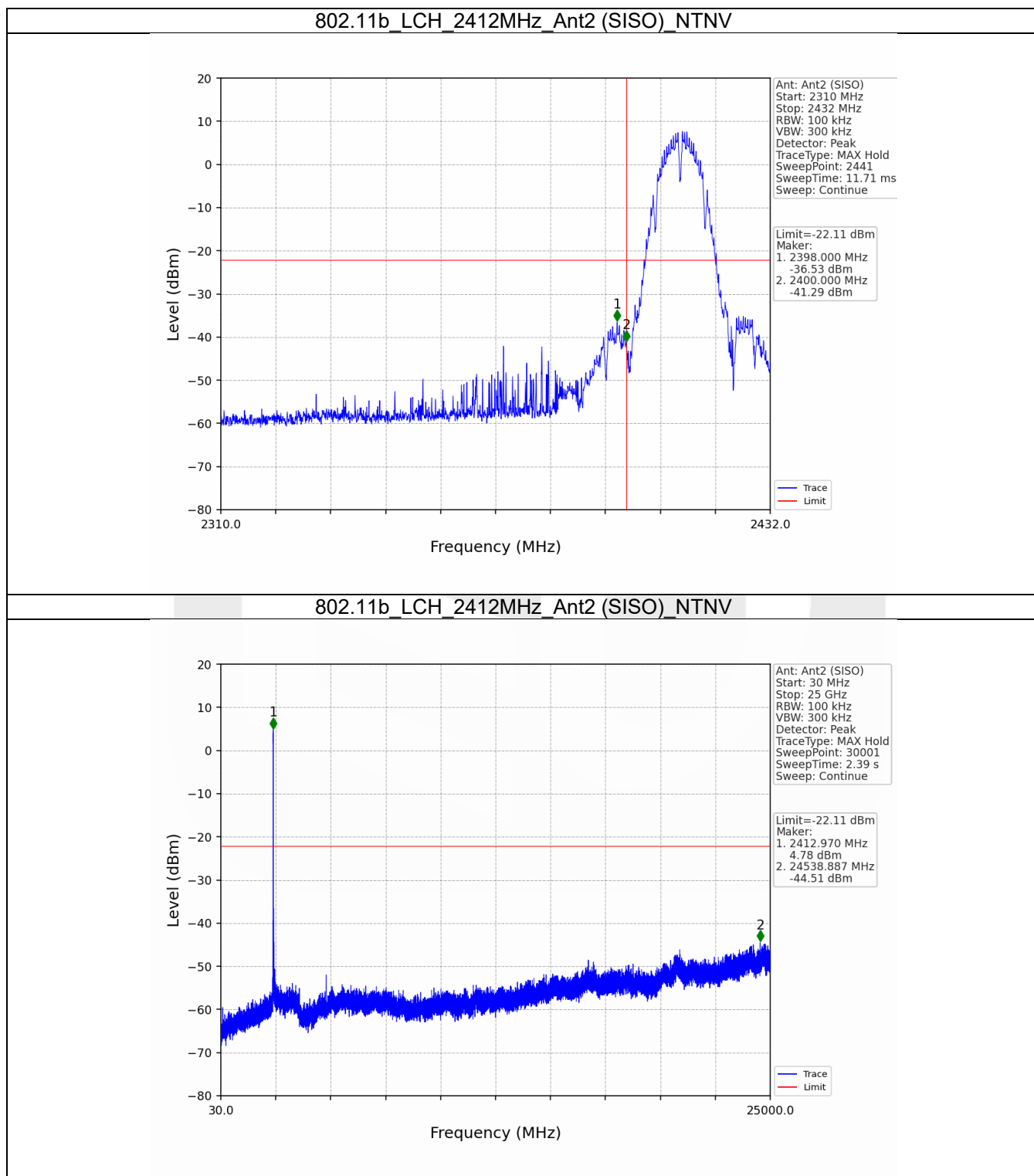
5.2 CSE

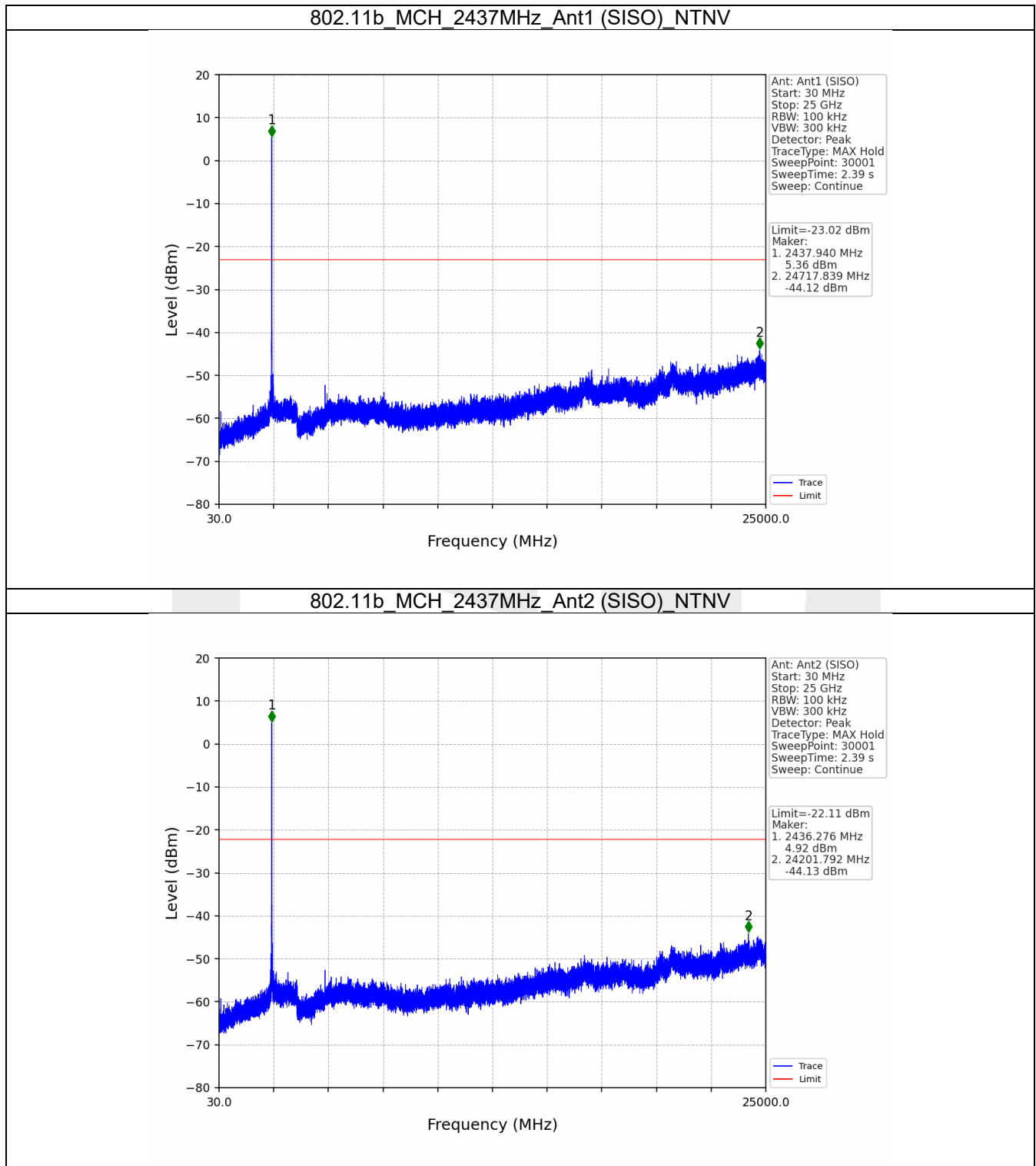
5.2.1 Test Result

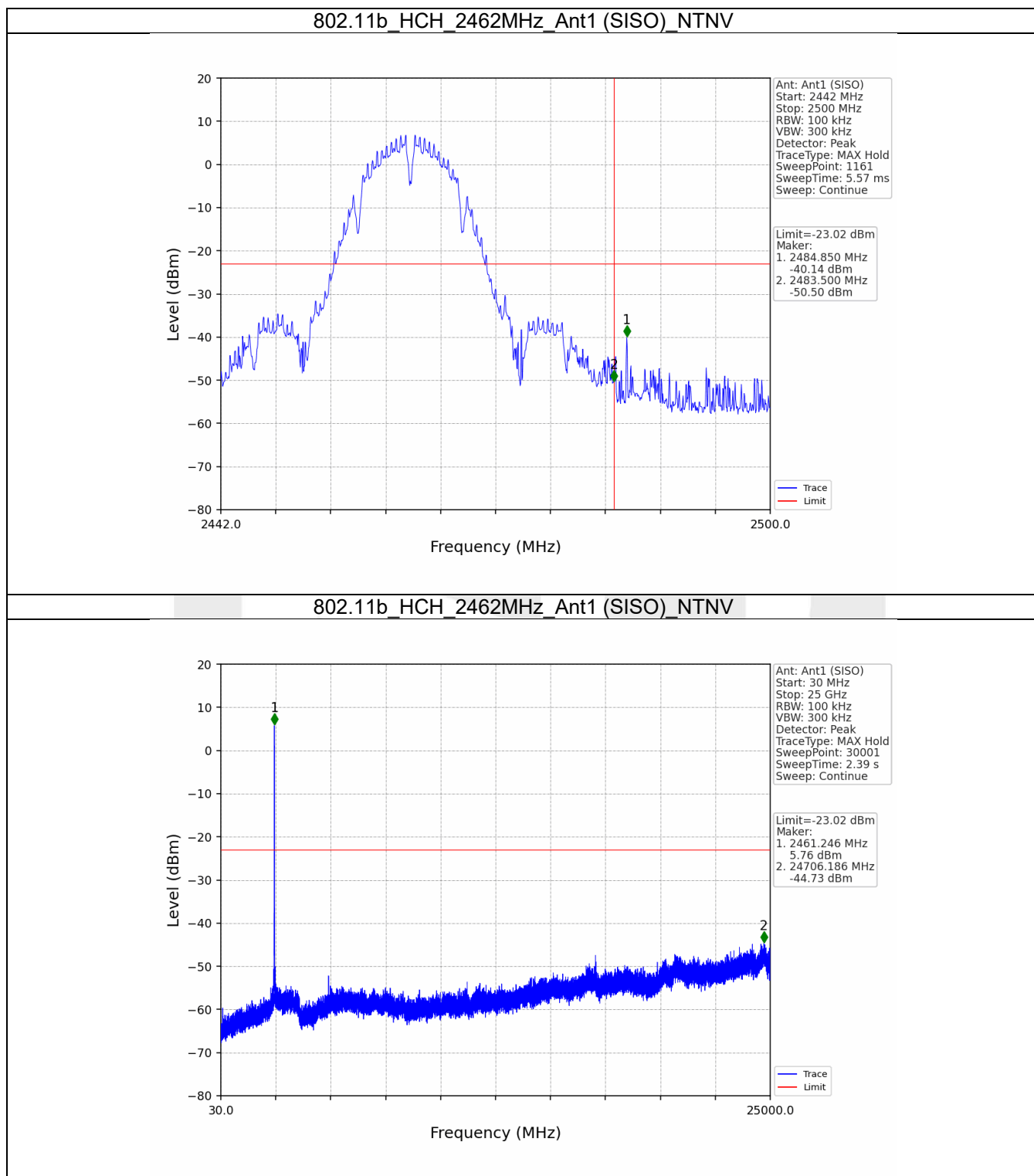
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	6.98	-23.02	Pass
					2	7.89	-22.11	Pass
		2437	/	/	1	6.98	-23.02	Pass
					2	7.89	-22.11	Pass
		2462	/	/	1	6.98	-23.02	Pass
					2	7.89	-22.11	Pass
802.11g	SISO	2412	/	/	1	-3.50	-33.50	Pass
					2	-4.78	-34.78	Pass
		2437	/	/	1	-3.50	-33.50	Pass
					2	-4.78	-34.78	Pass
		2462	/	/	1	-3.50	-33.50	Pass
					2	-4.78	-34.78	Pass
802.11n (HT20)	SISO	2412	/	/	1	-3.29	-33.29	Pass
					2	-4.43	-34.43	Pass
		2437	/	/	1	-3.29	-33.29	Pass
					2	-4.43	-34.43	Pass
		2462	/	/	1	-3.29	-33.29	Pass
					2	-4.43	-34.43	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	-3.12	-23.12	Pass
					2	-4.67	-24.67	Pass
		2437	RU242	Left	1	-3.12	-23.12	Pass
					2	-4.67	-24.67	Pass
		2462	RU242	Left	1	-3.12	-23.12	Pass
					2	-4.67	-24.67	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.								

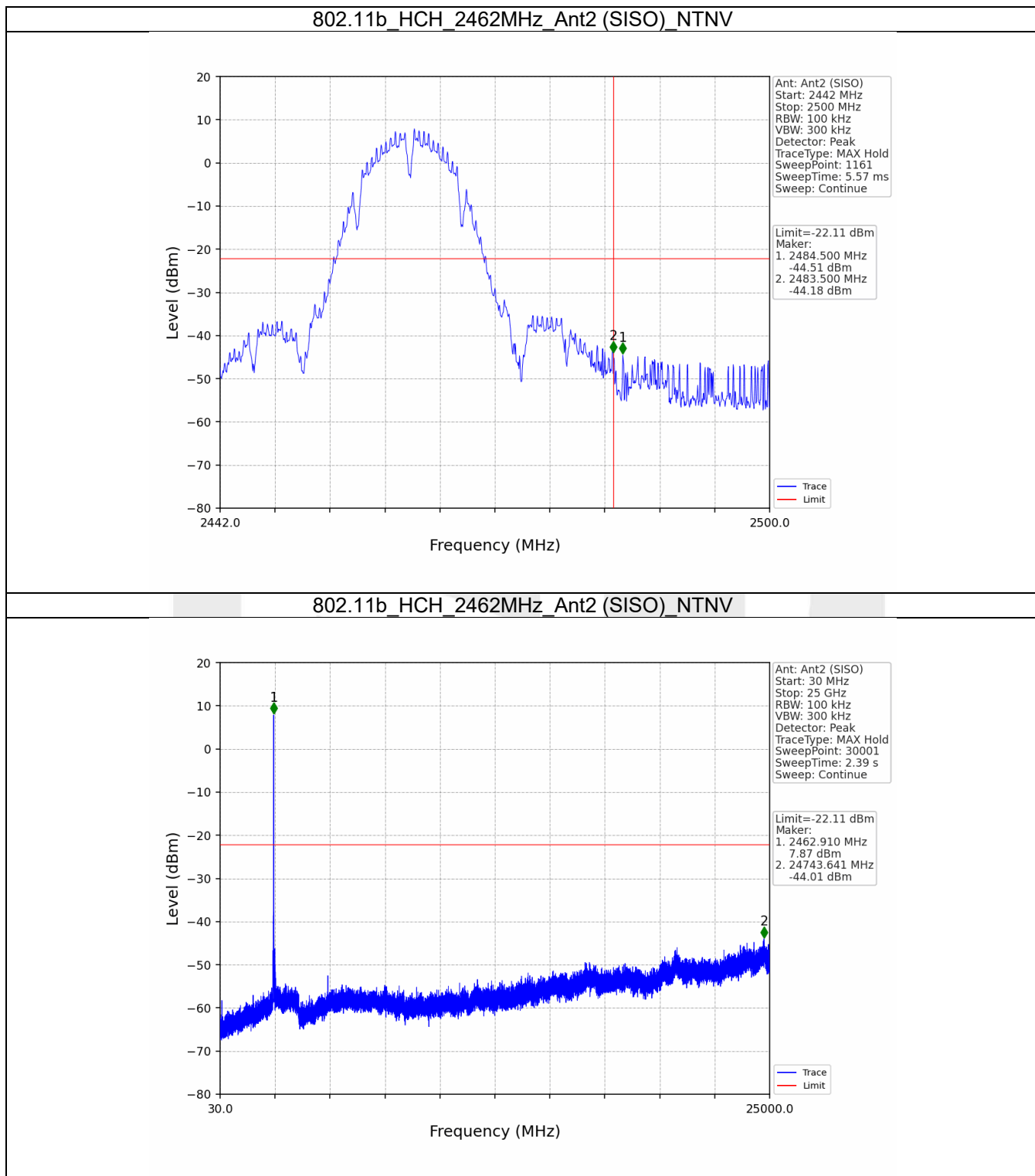
5.2.2 Test Graph

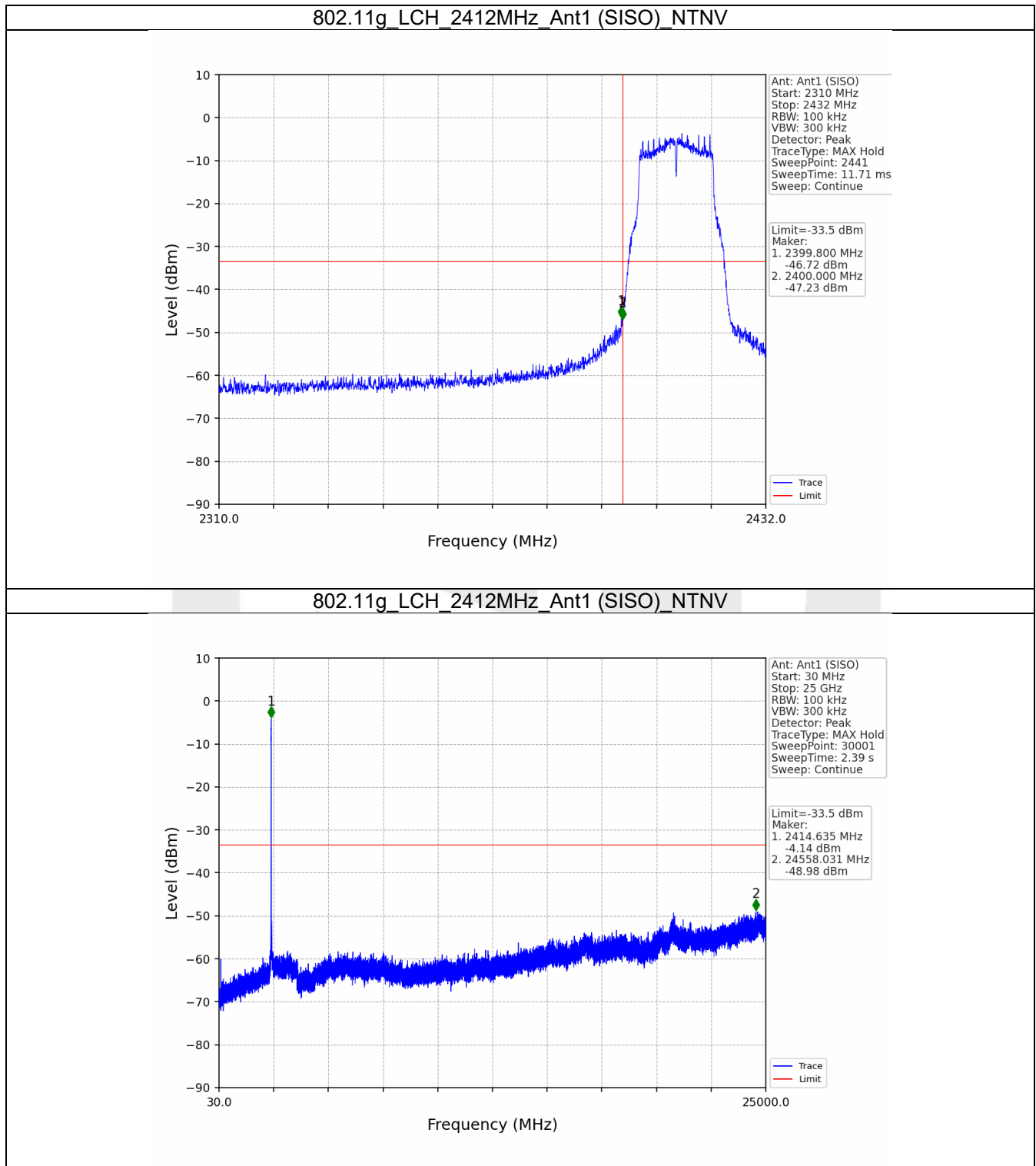


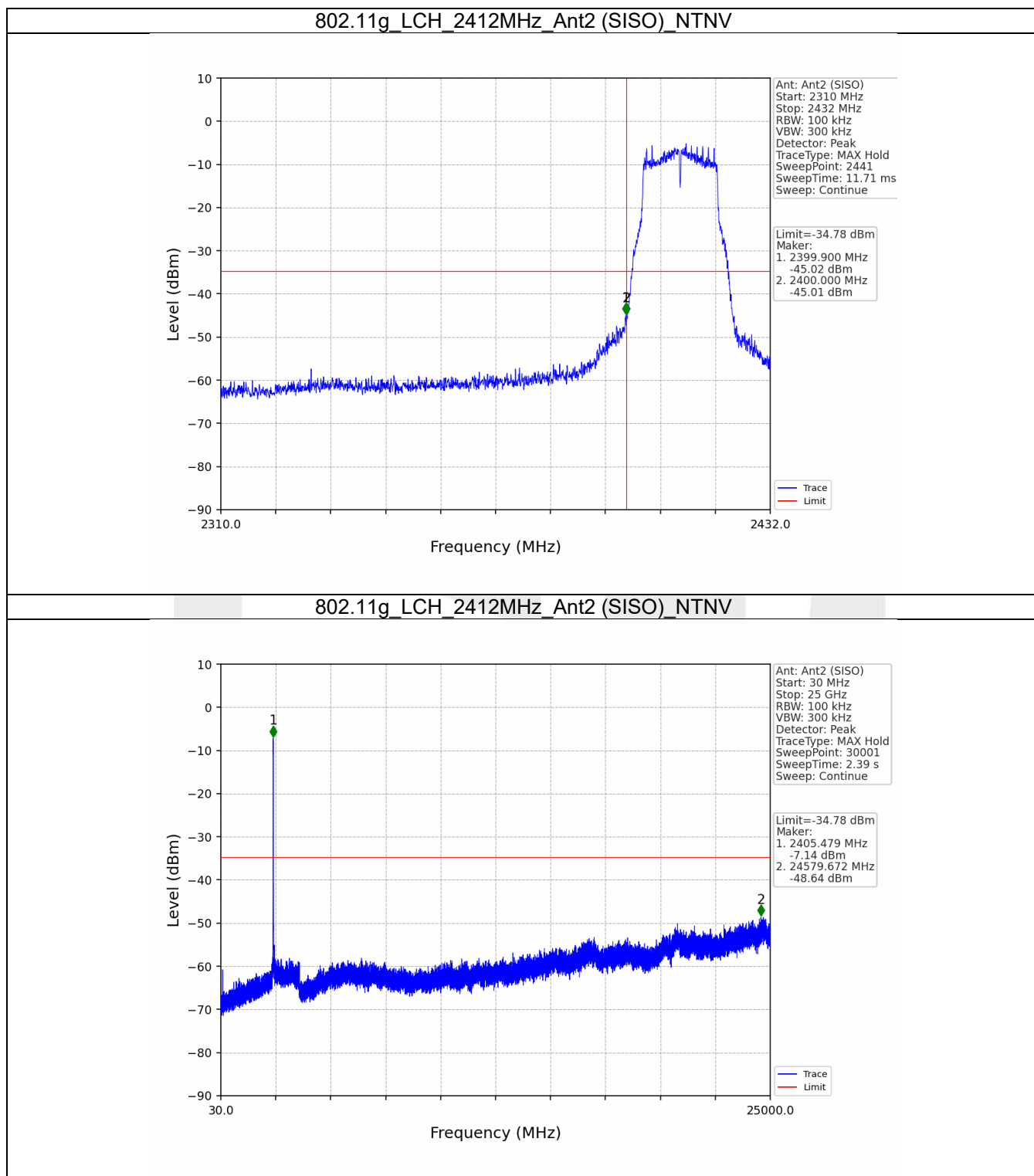


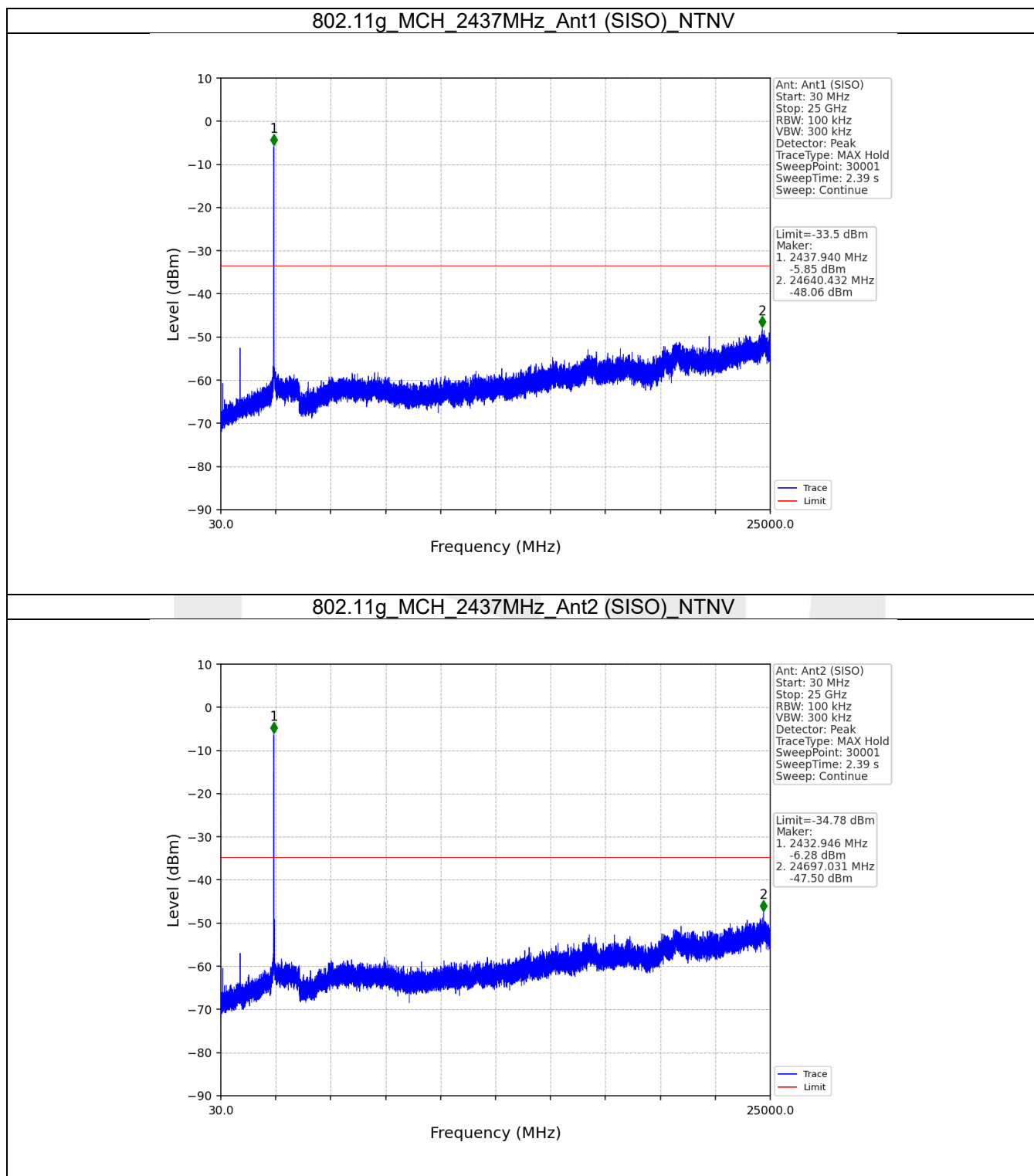


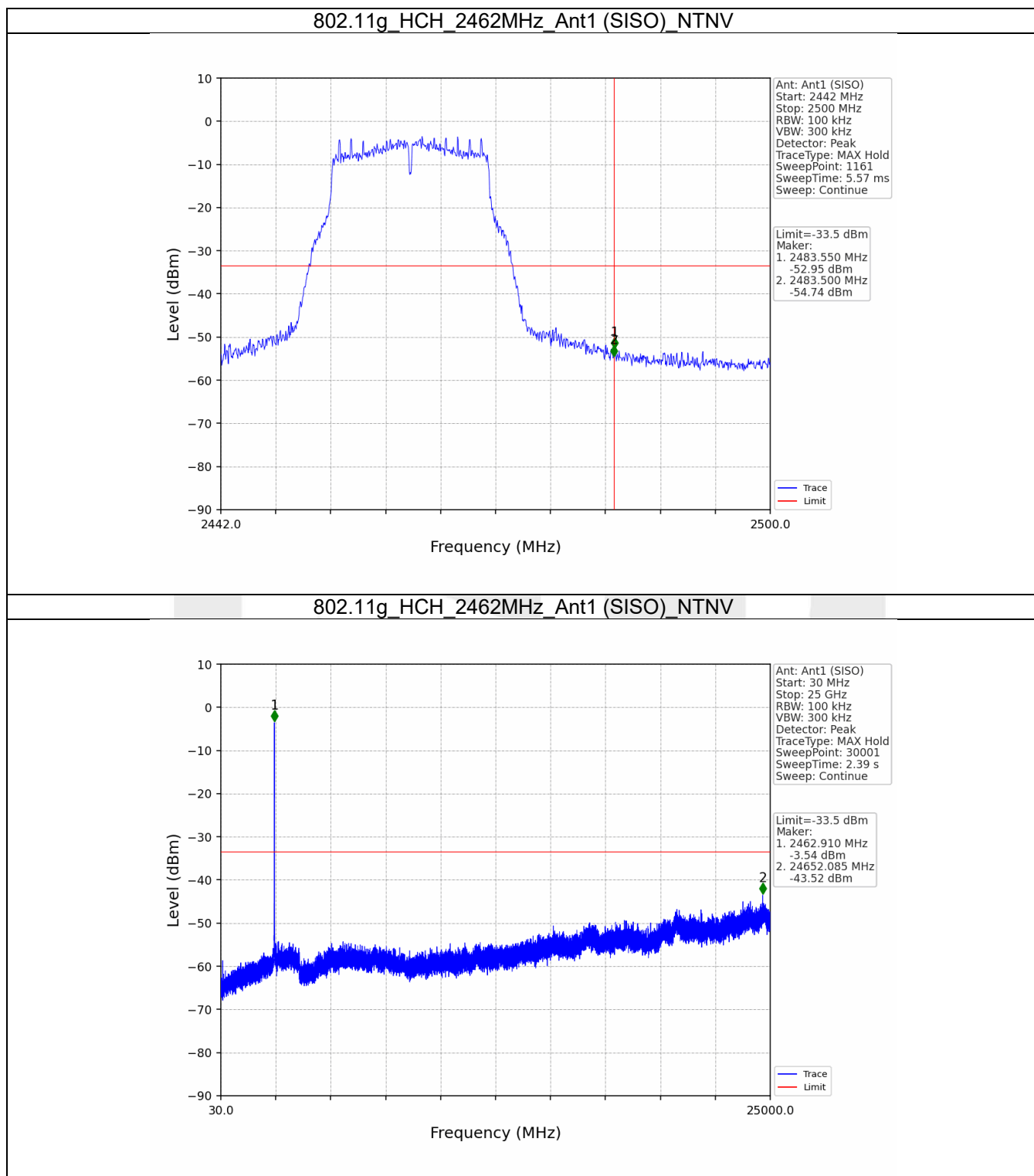


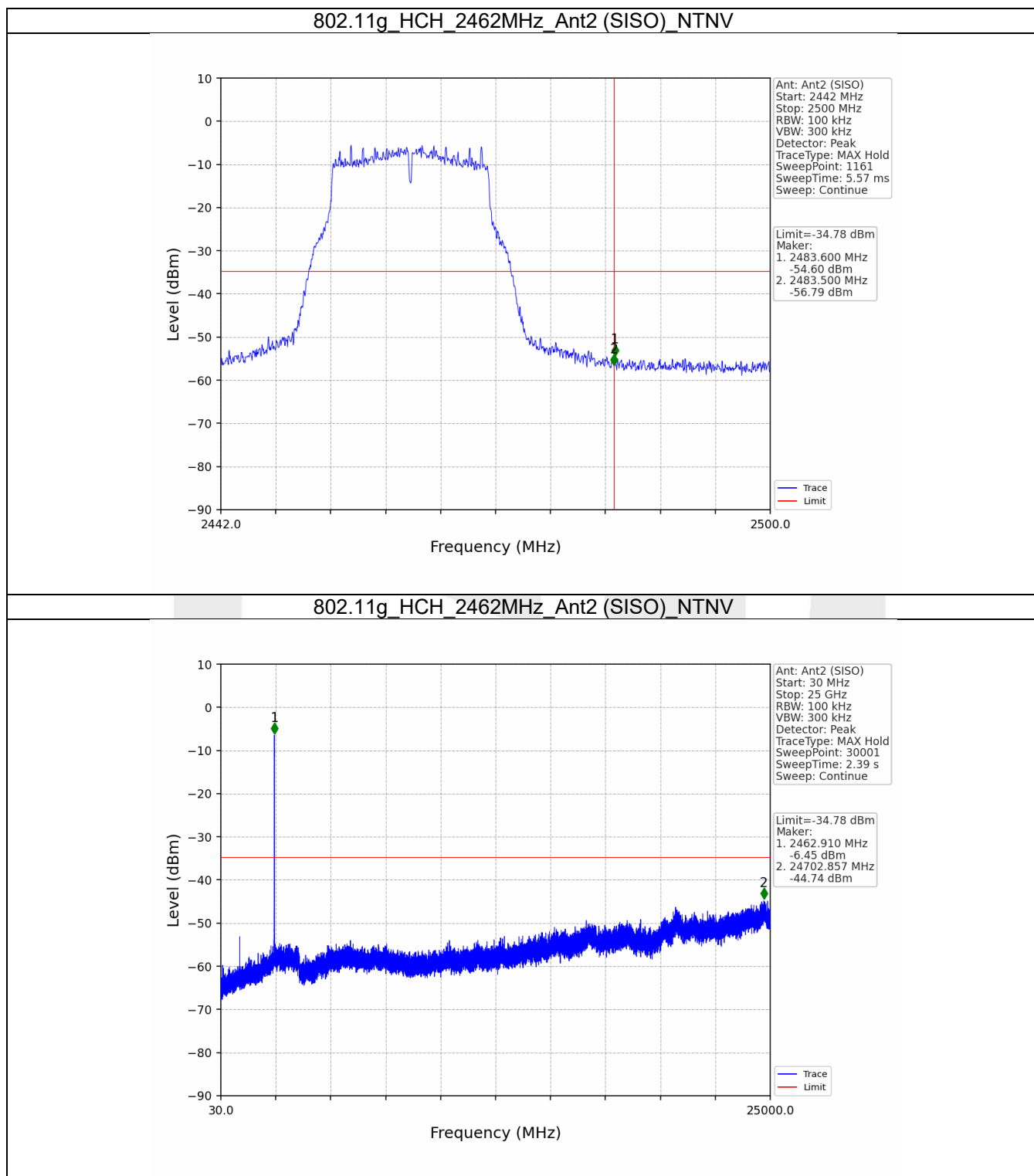


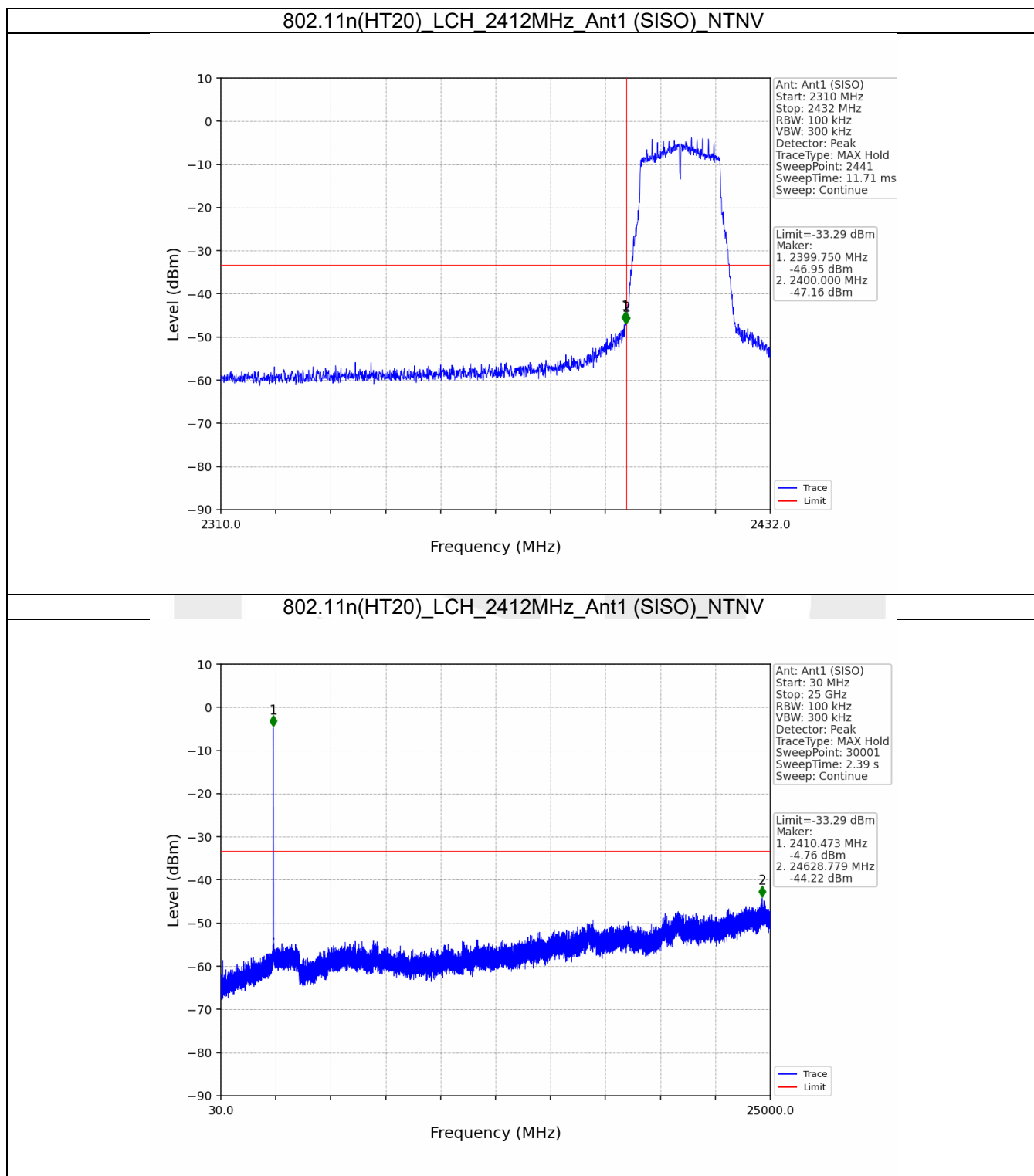


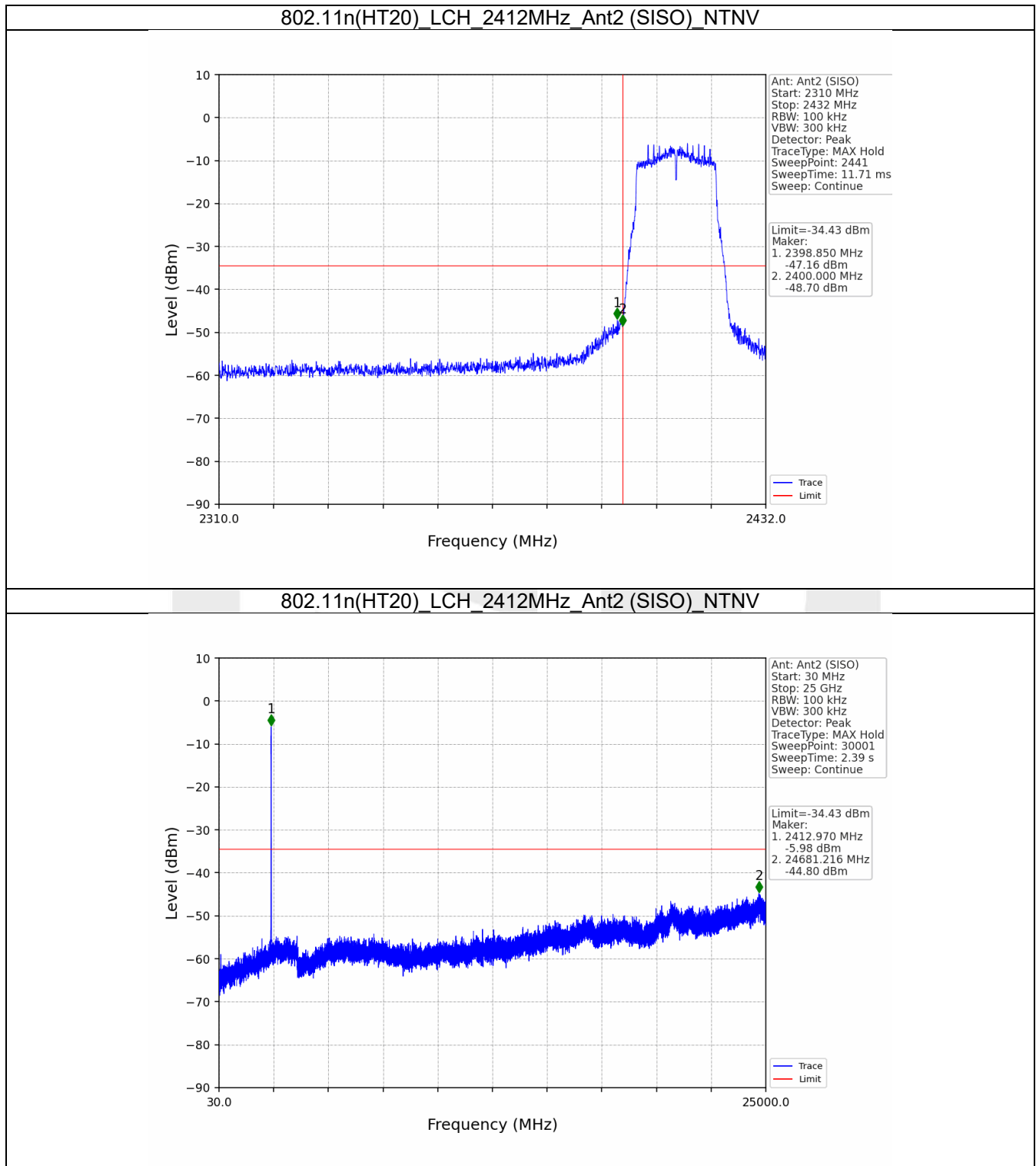


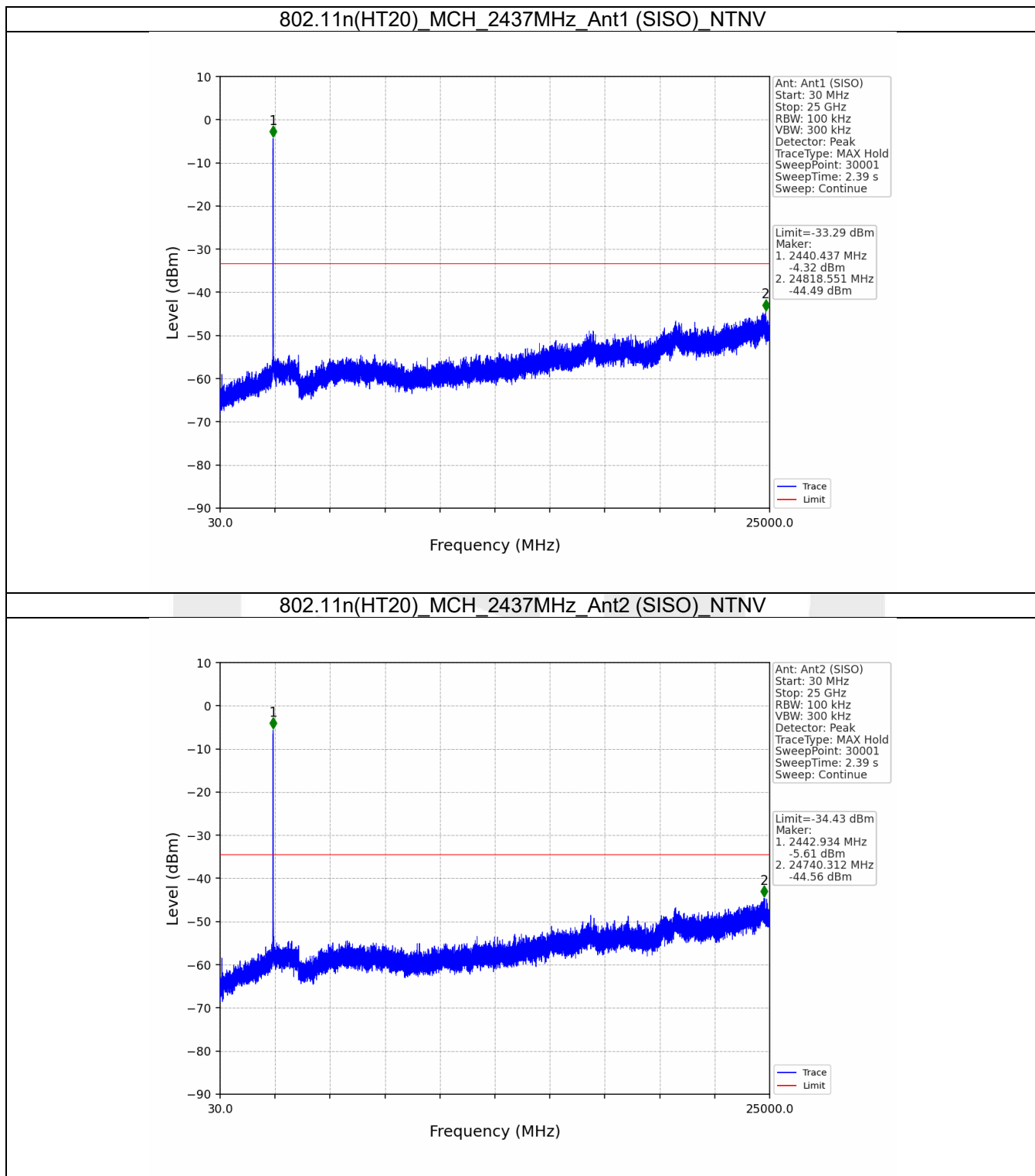


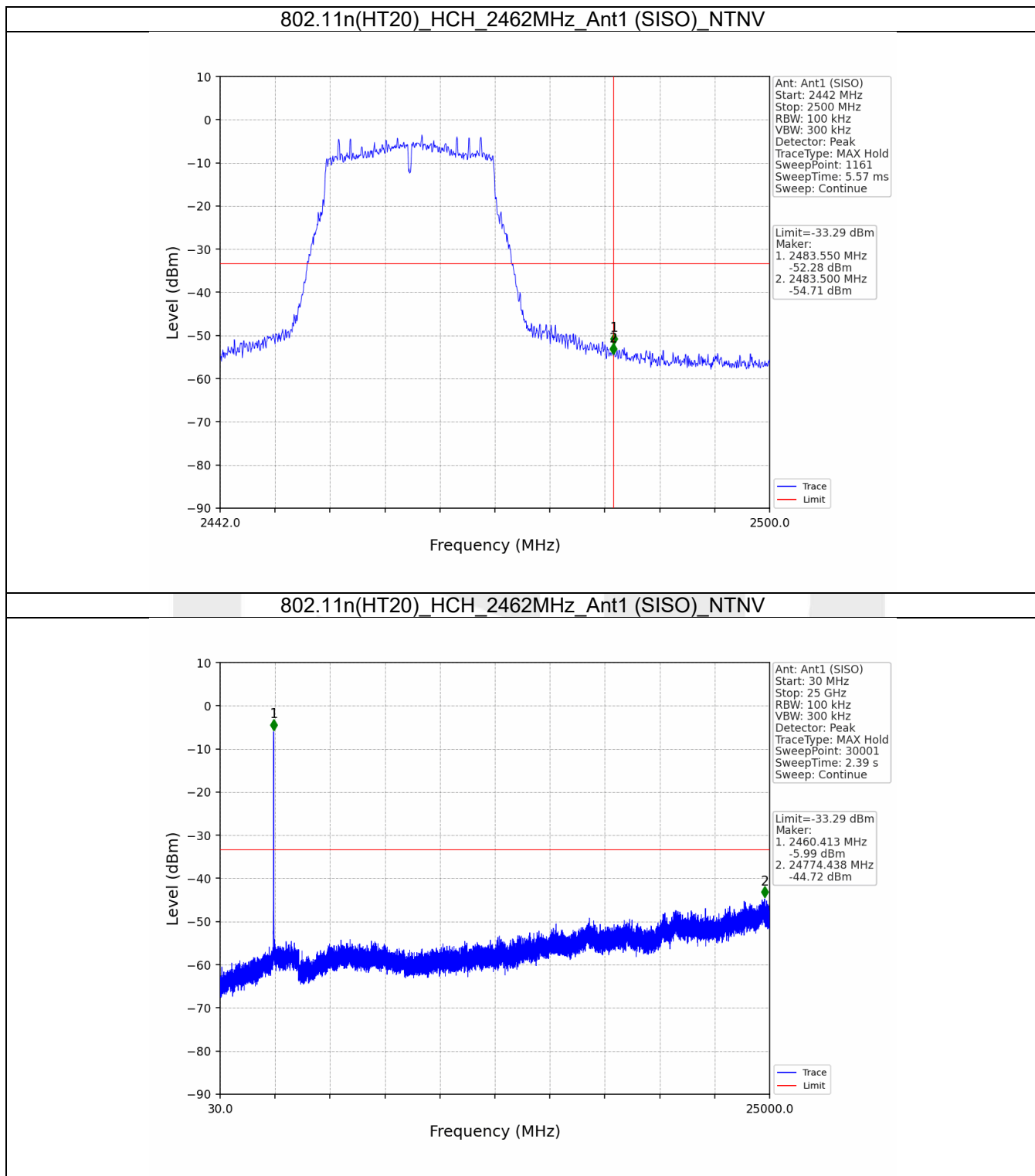


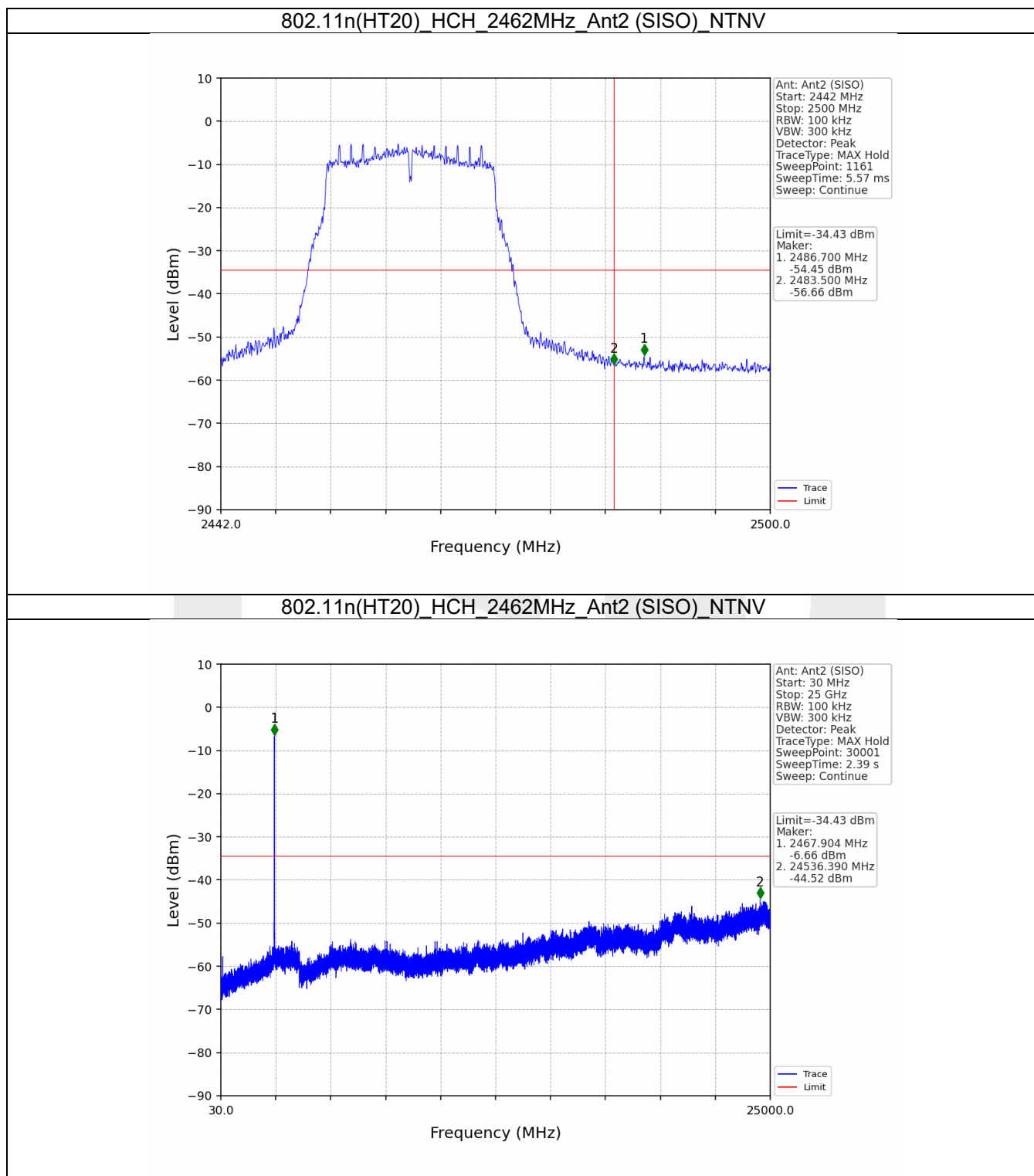


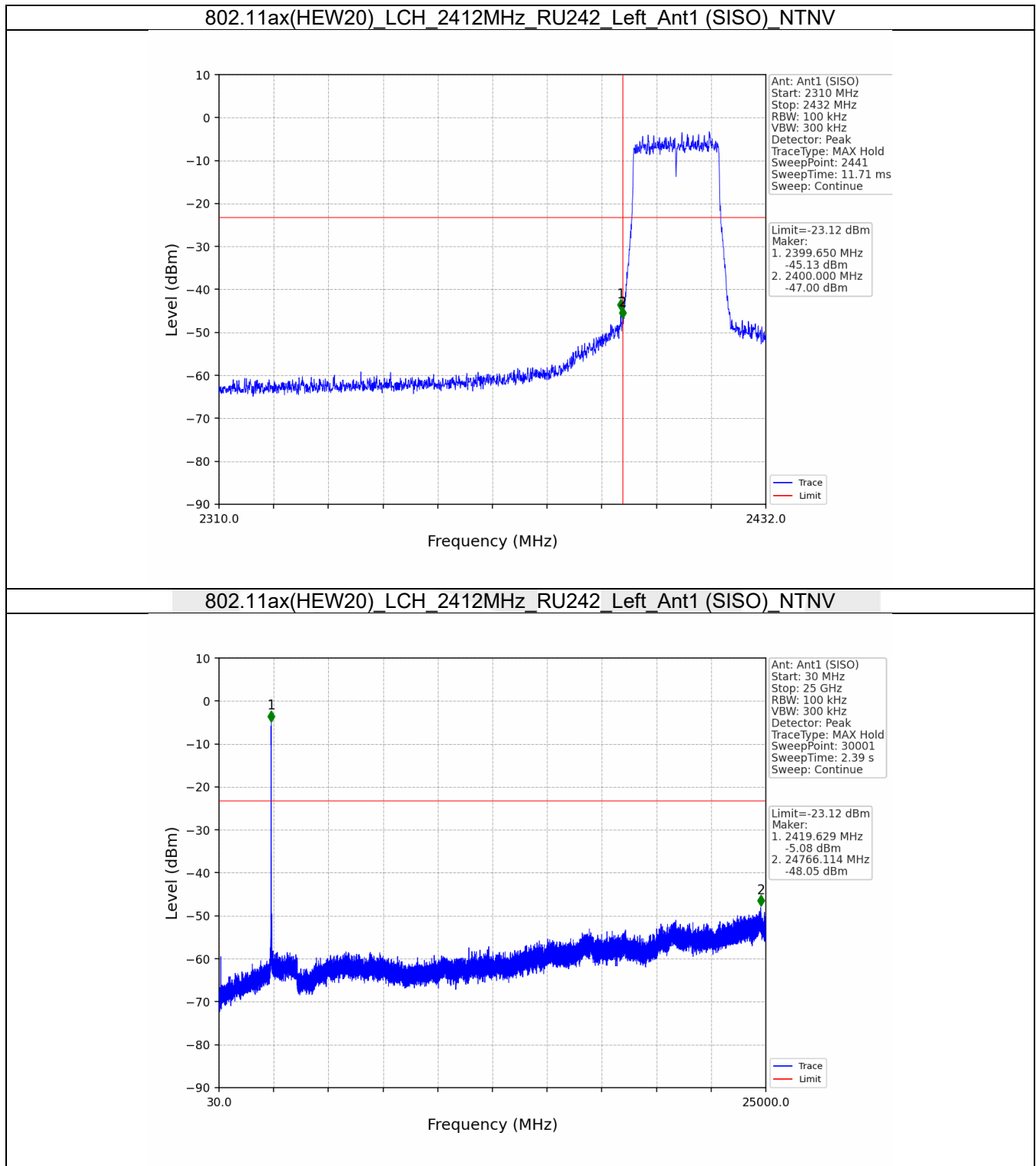


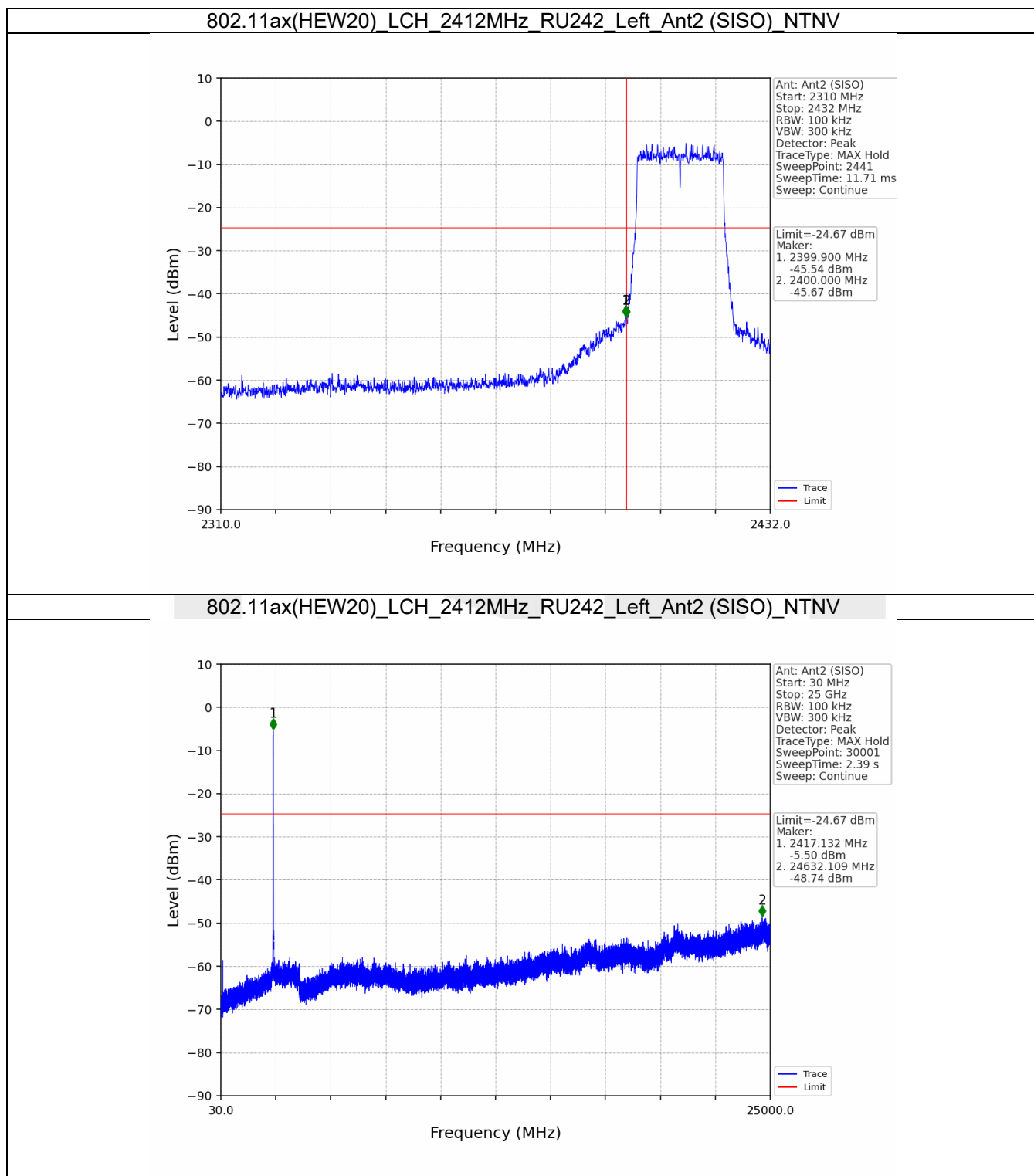


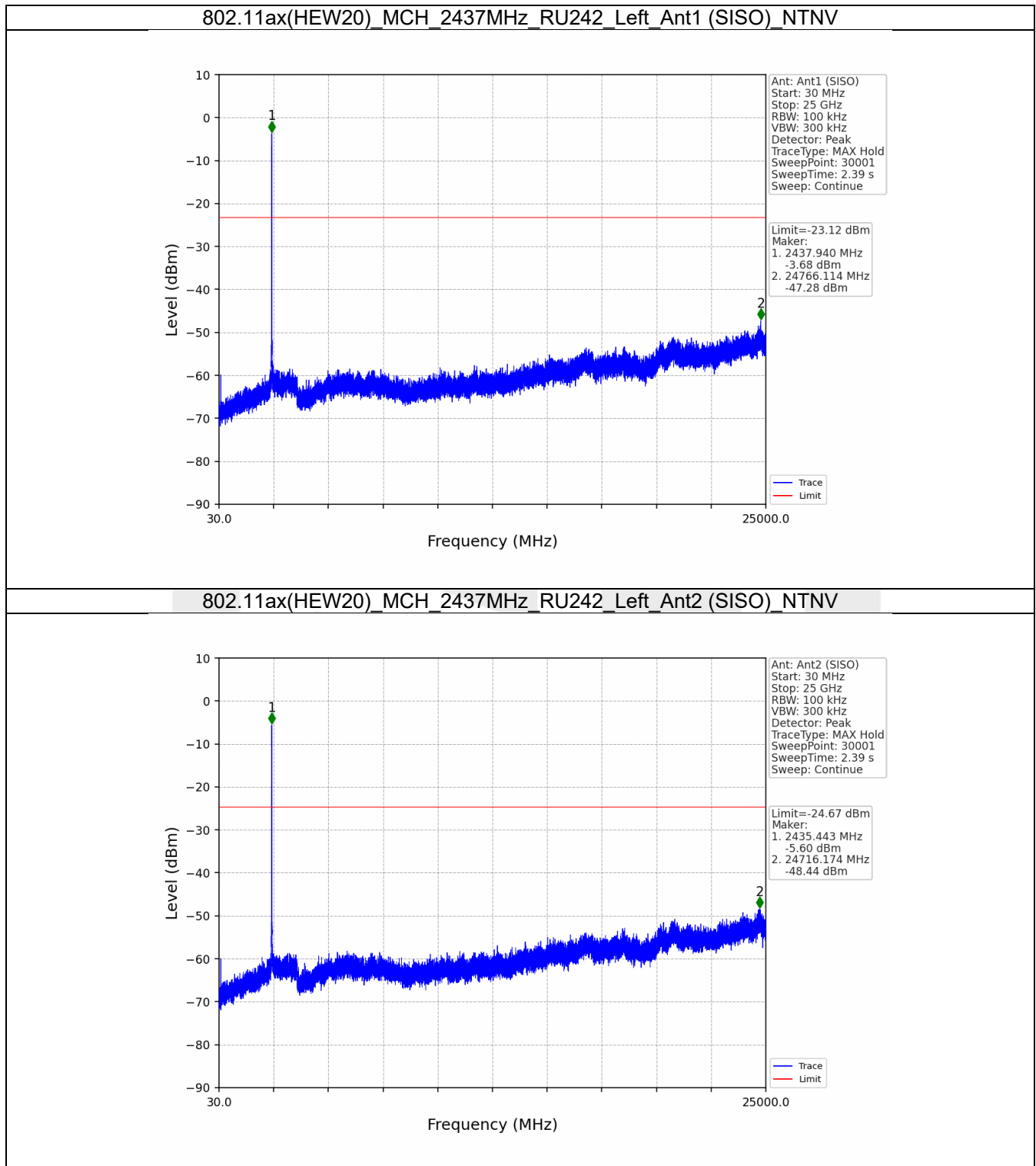




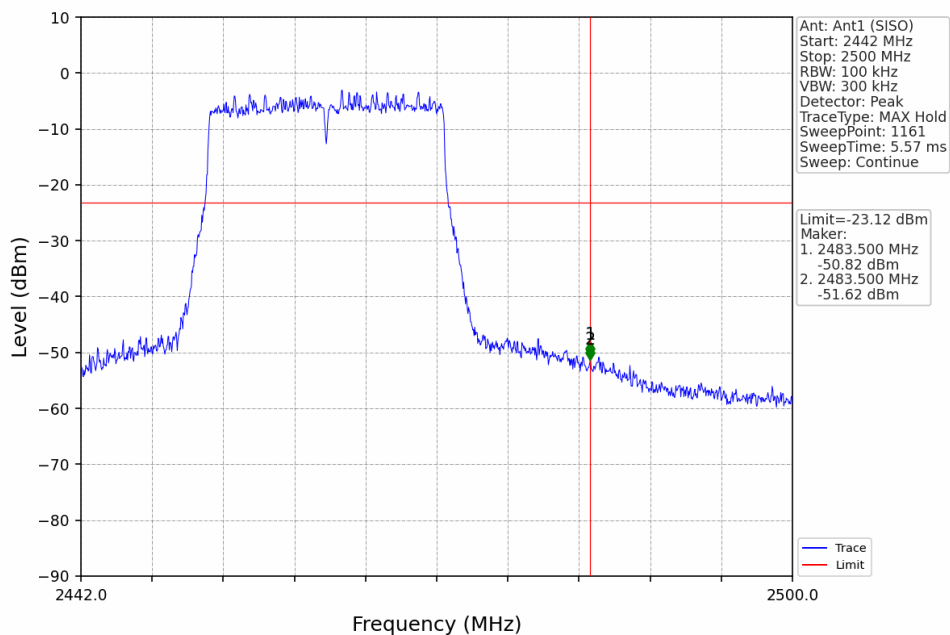




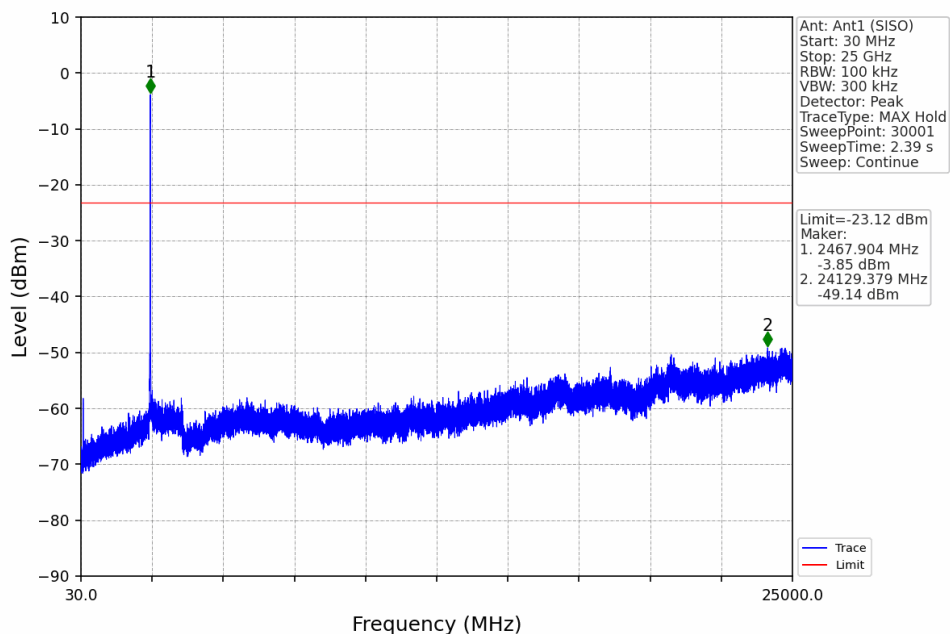


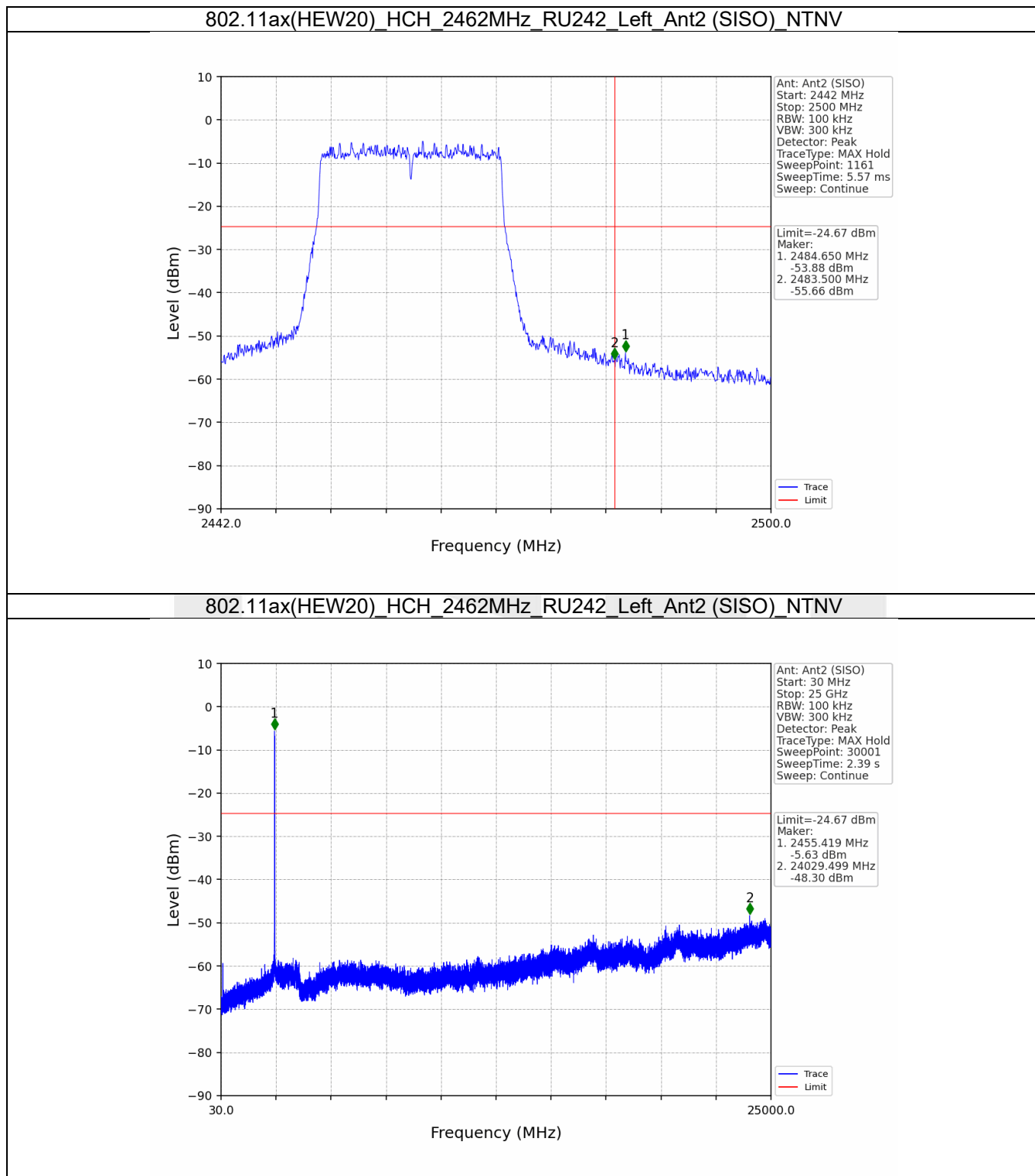


802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV





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