

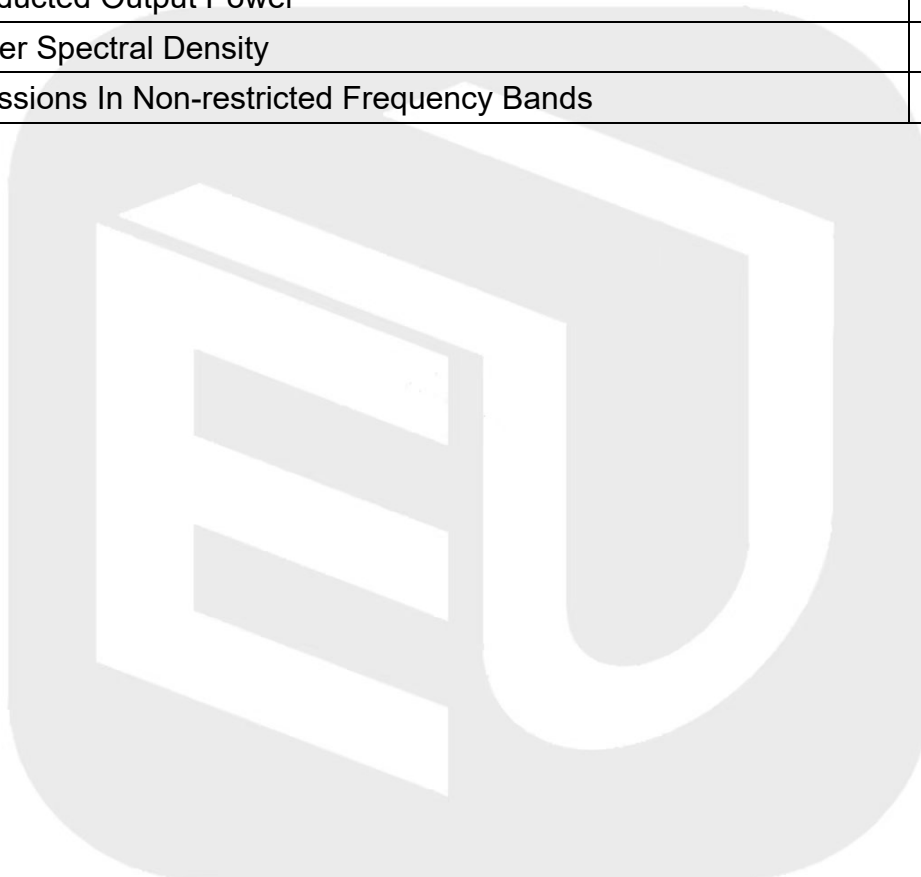
ANNEX F TEST DATA

For

Project No.:	8228EU012506W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Description:	Android Tablet
Model No.:	K109 Pro
FCC ID:	2ABC5-E0060
Technology:	WiFi 2.4G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-05-11

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



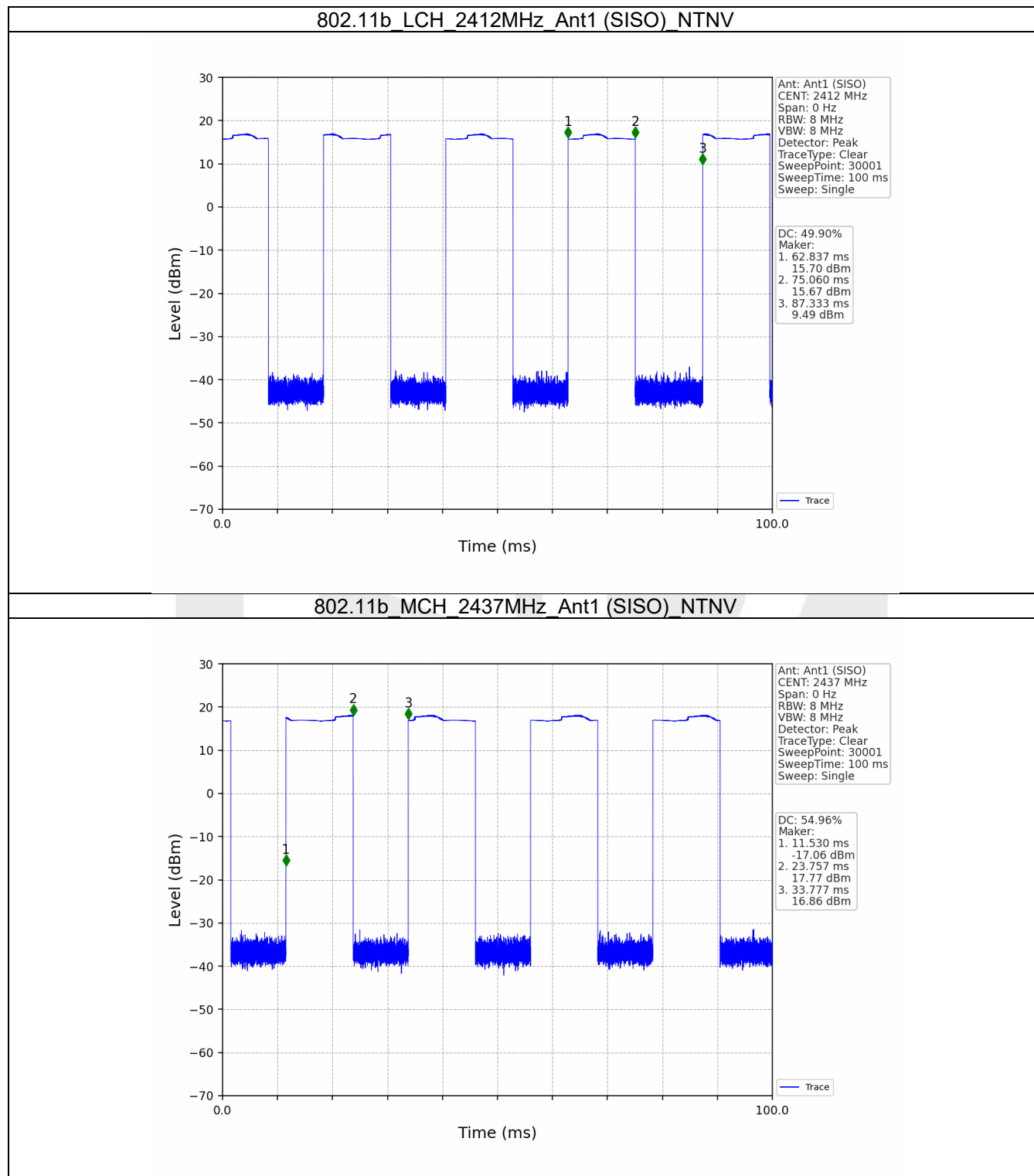
1. Duty Cycle

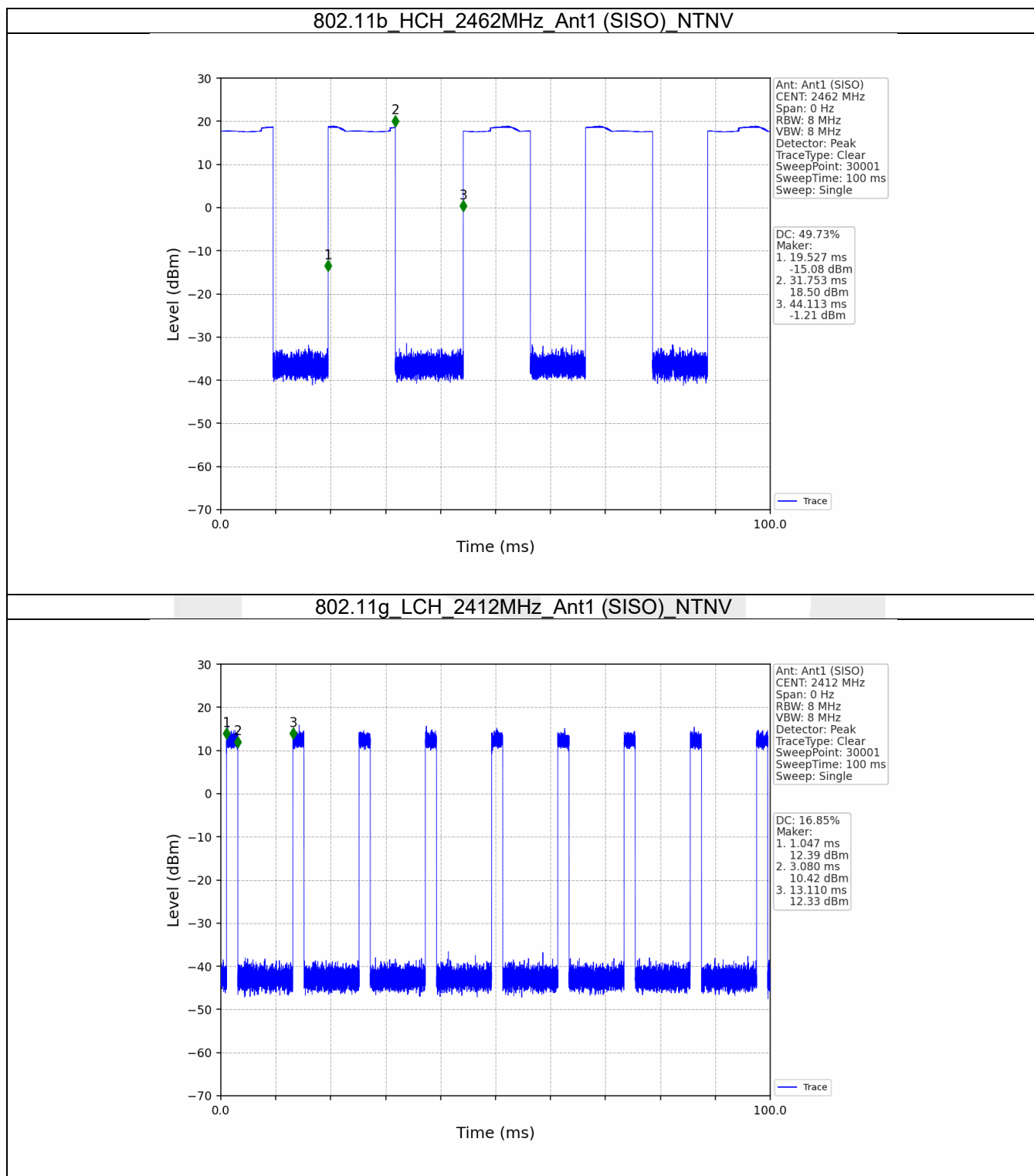
1.1 Ant1

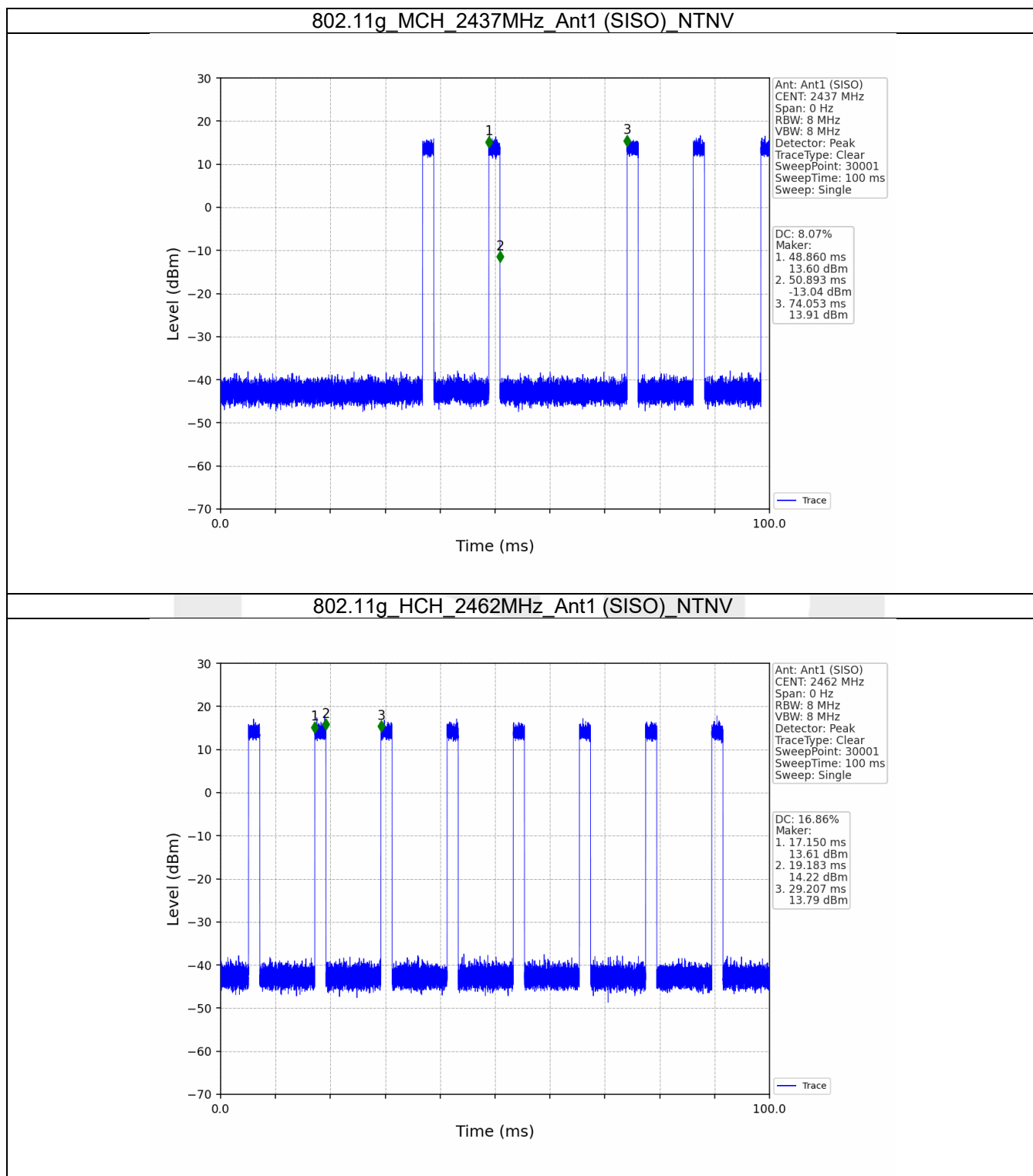
1.1.1 Test Result

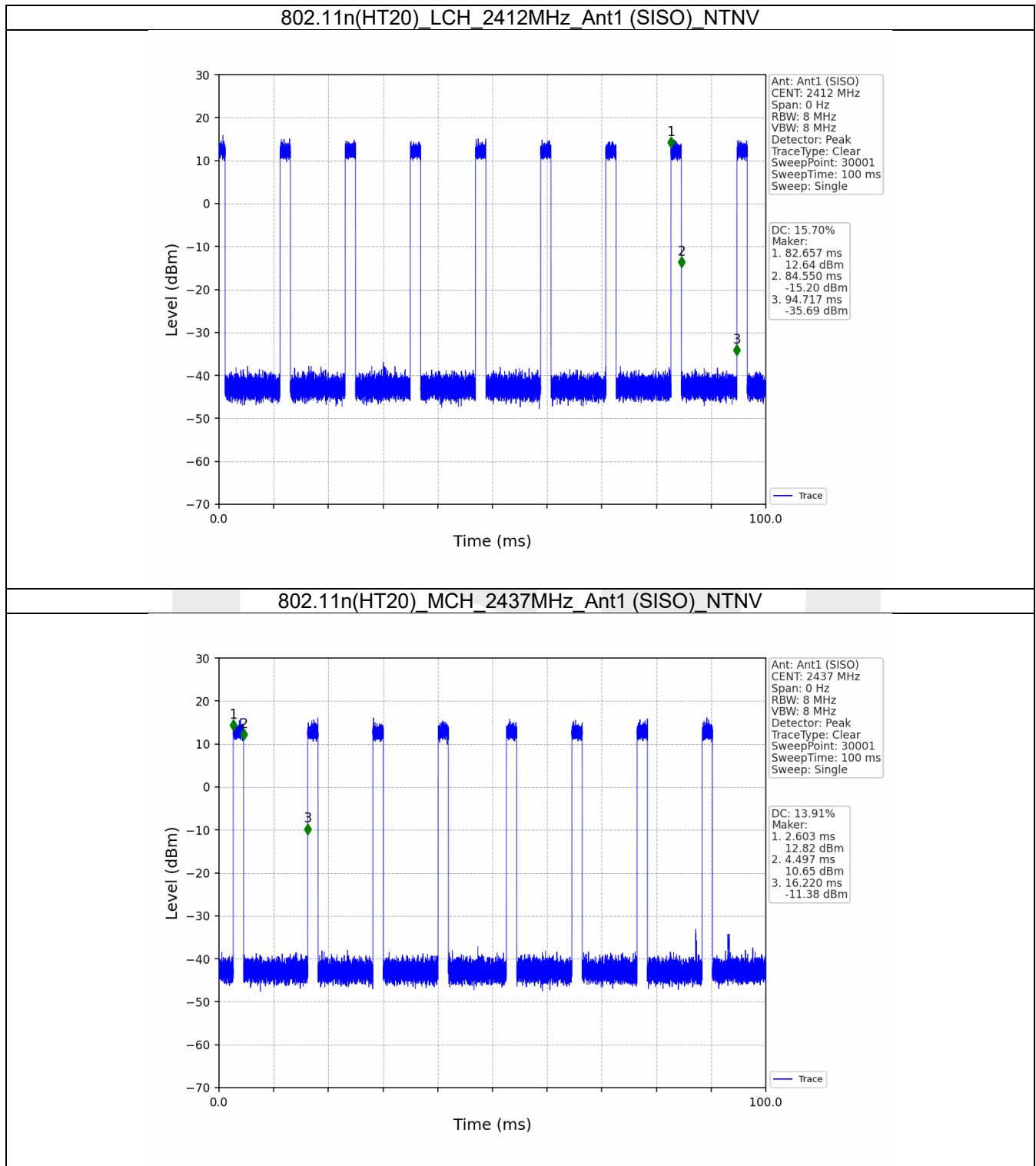
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	12.223	24.496	49.90	3.02	5.07
		2437	/	/	12.227	22.247	54.96	2.60	0.02
		2462	/	/	12.226	24.586	49.73	3.03	5.24
802.11g	SISO	2412	/	/	2.033	12.063	16.85	7.73	0.04
		2437	/	/	2.033	25.193	8.07	10.93	8.80
		2462	/	/	2.033	12.057	16.86	7.73	0.03
802.11n (HT20)	SISO	2412	/	/	1.893	12.060	15.70	8.04	0.19
		2437	/	/	1.894	13.617	13.91	8.57	2.01
		2462	/	/	1.896	12.920	14.67	8.33	1.23
802.11n (HT40)	SISO	2422	/	/	0.934	11.720	7.97	10.99	0.56
		2437	/	/	0.933	12.836	7.27	11.39	1.25
		2452	/	/	0.933	10.963	8.51	10.70	0.04
802.11ax (HEW20)	SISO	2412	RU242	Left	0.144	13.287	1.08	19.65	0.37
		2437	RU242	Left	0.143	10.887	1.31	18.82	0.00
		2462	RU242	Left	0.147	10.900	1.35	18.70	0.10
802.11ax (HEW40)	SISO	2422	RU484	Left	0.104	10.820	0.96	20.17	0.07
		2437	RU484	Left	0.103	10.130	1.02	19.93	0.00
		2452	RU484	Left	0.103	10.130	1.02	19.93	0.00

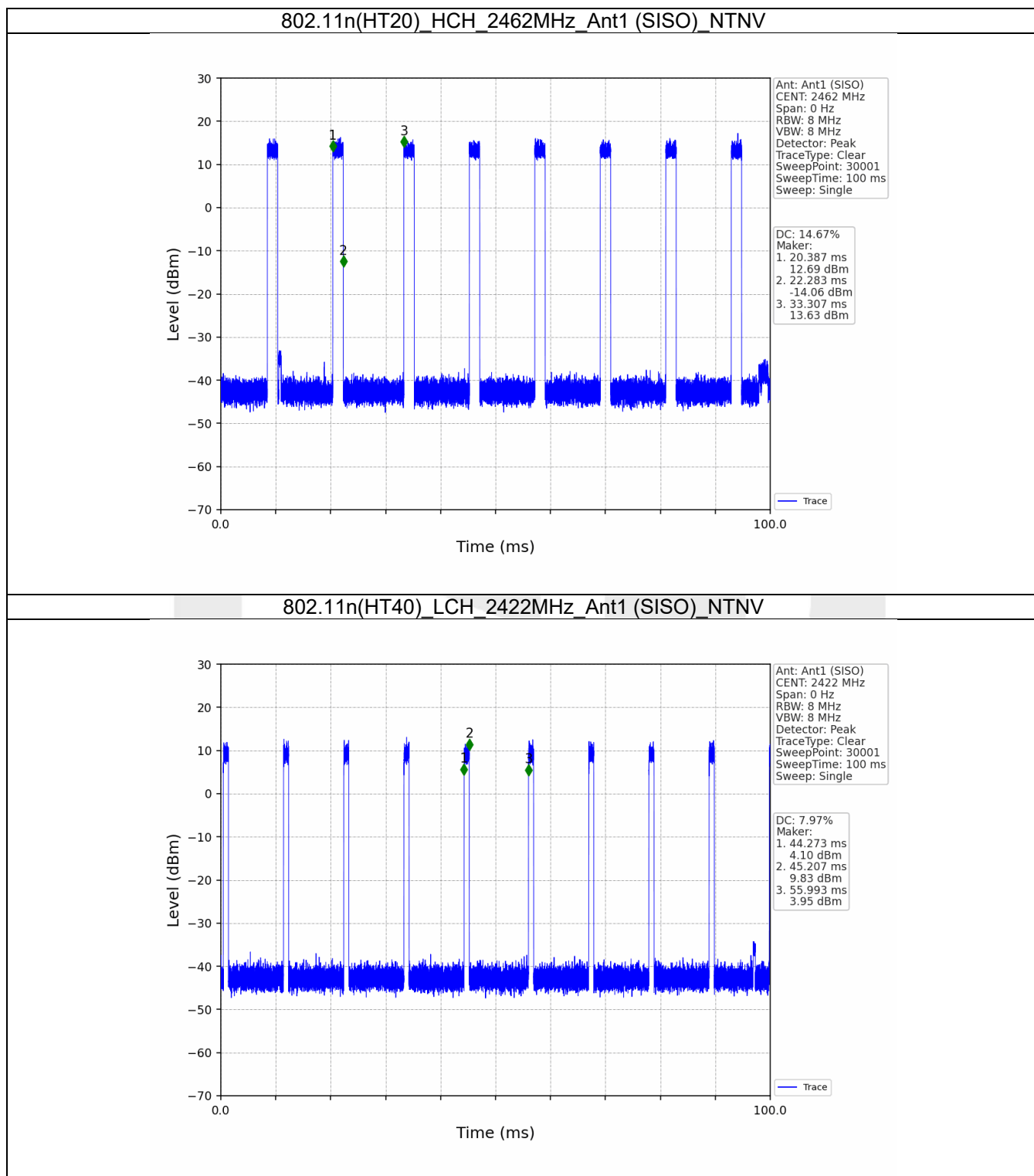
1.1.2 Test Graph

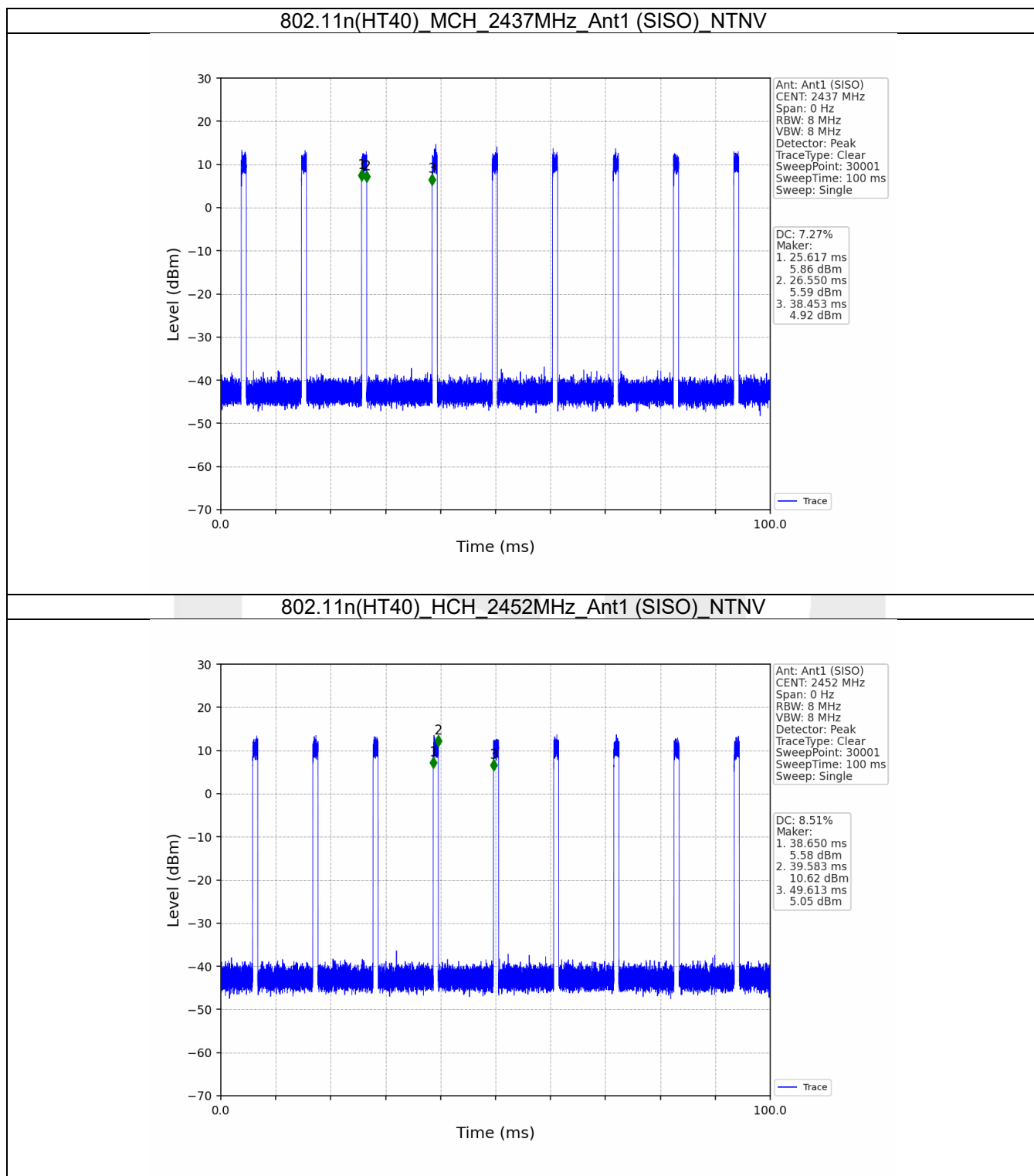


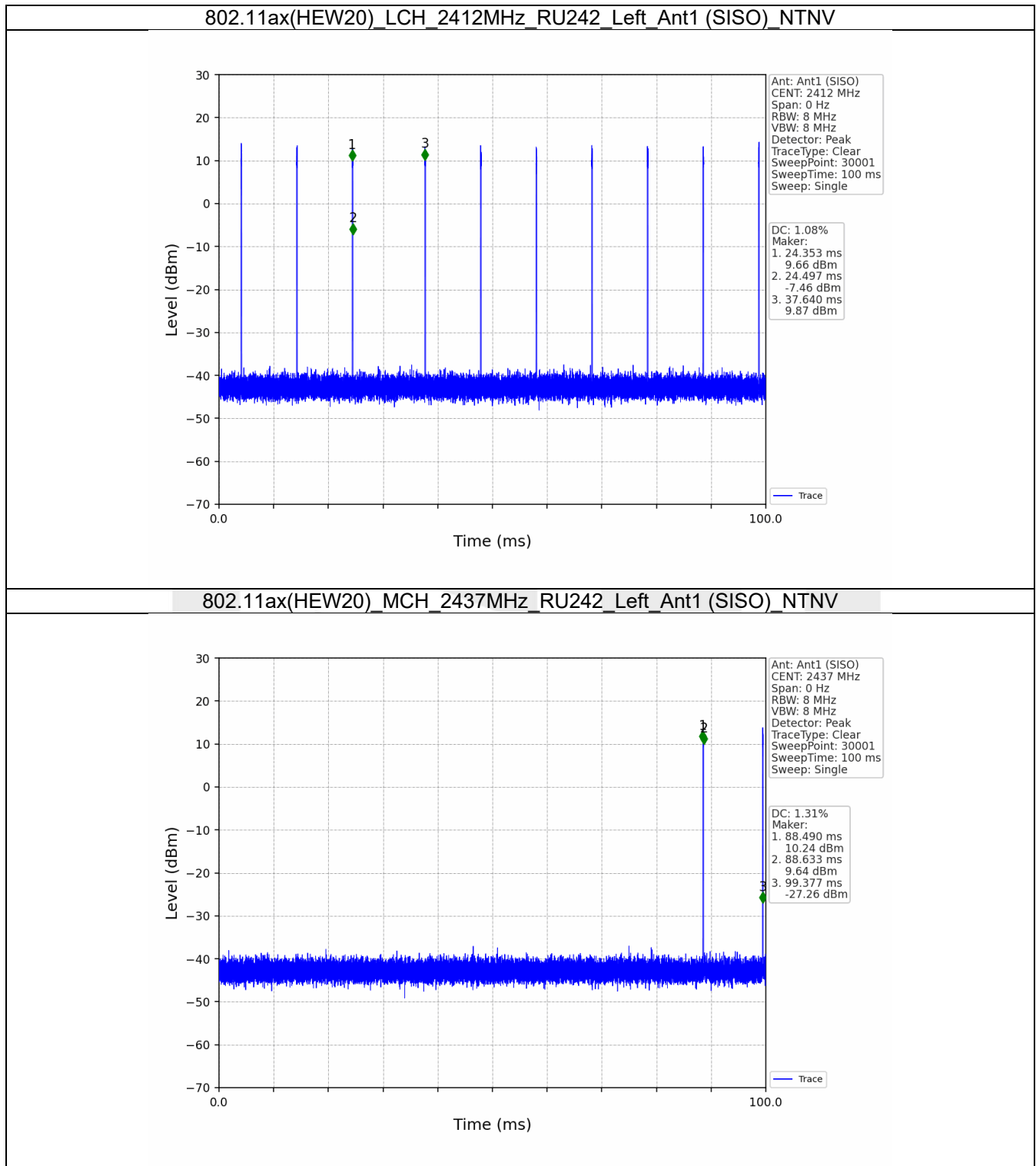


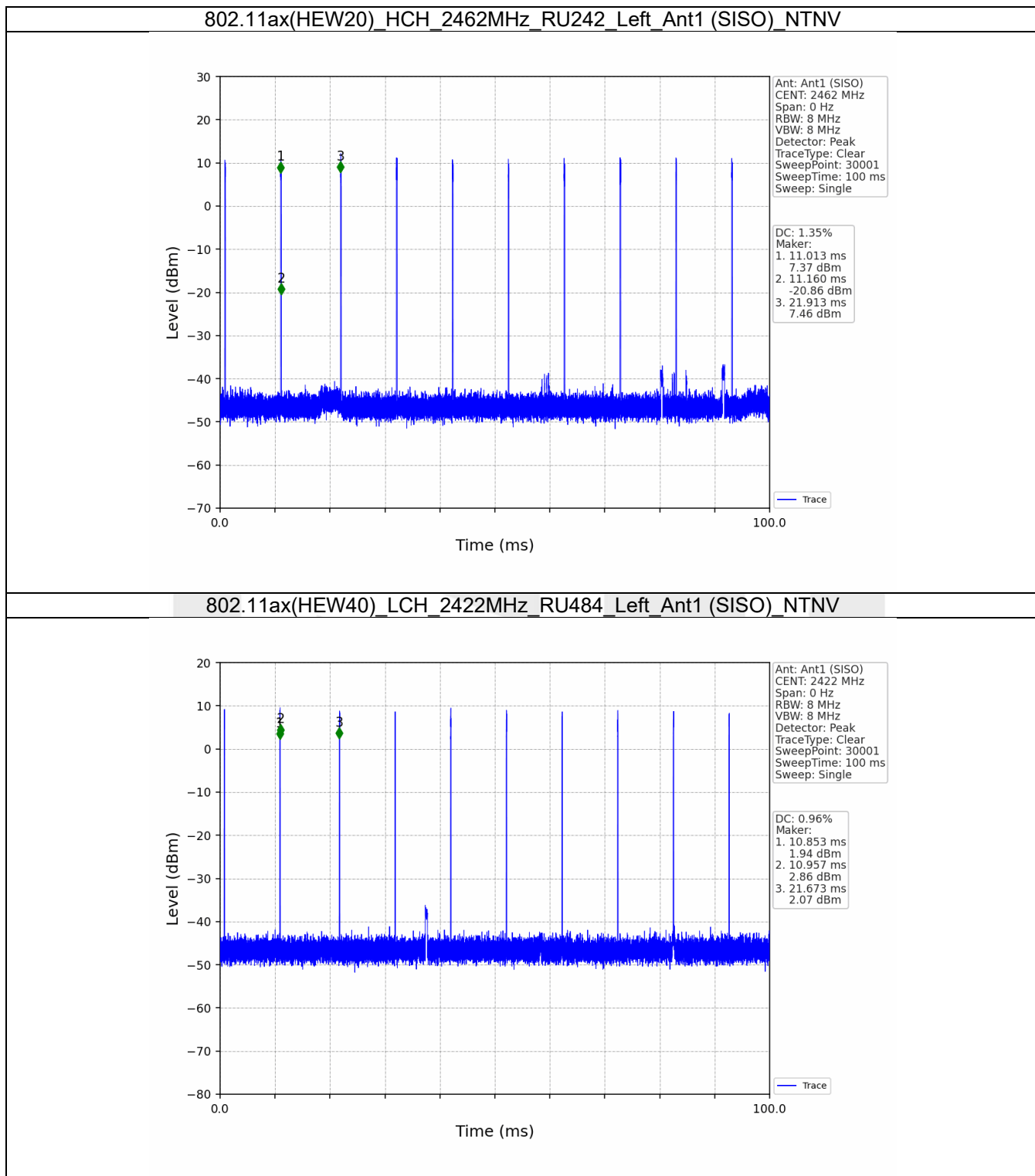


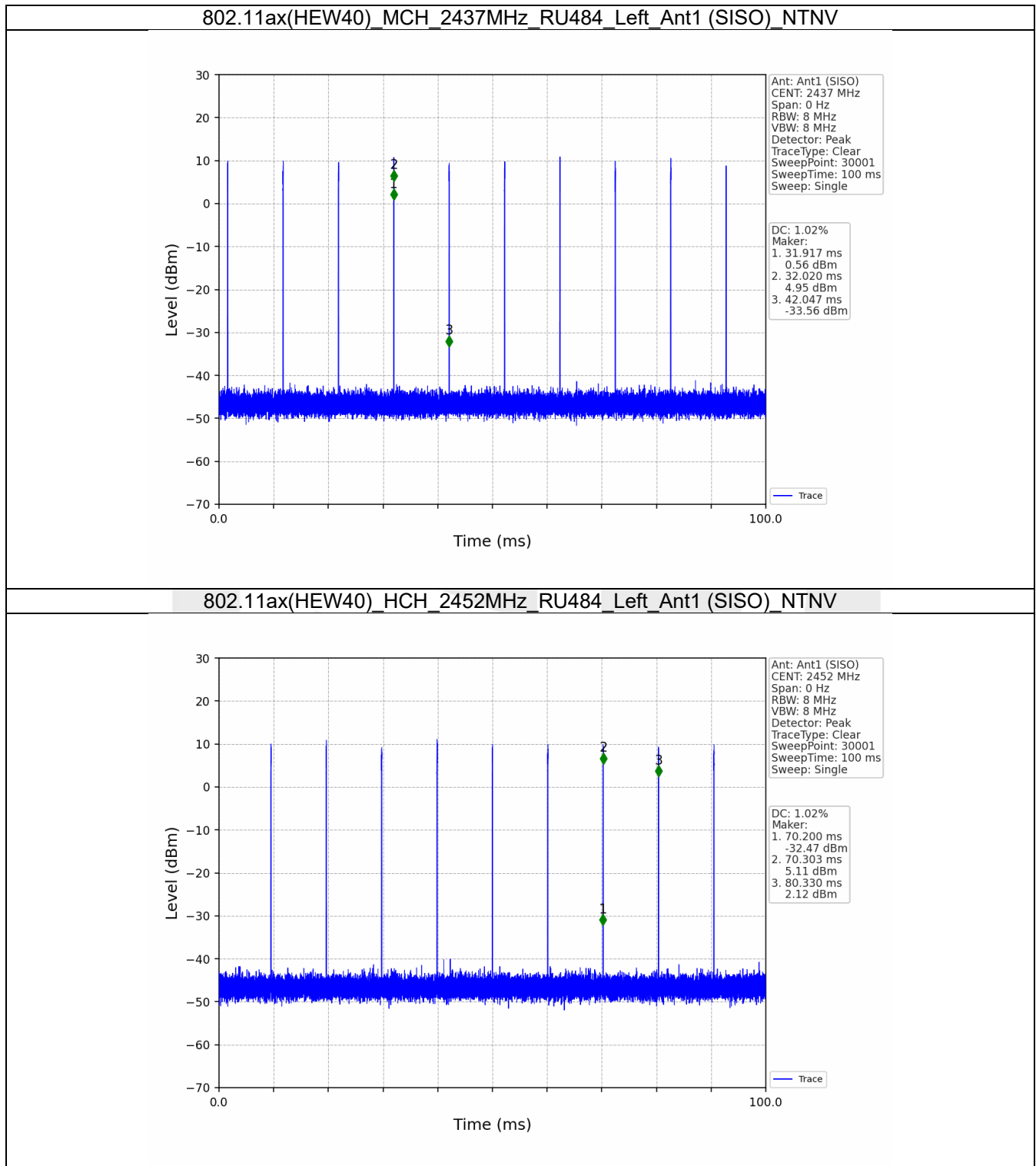












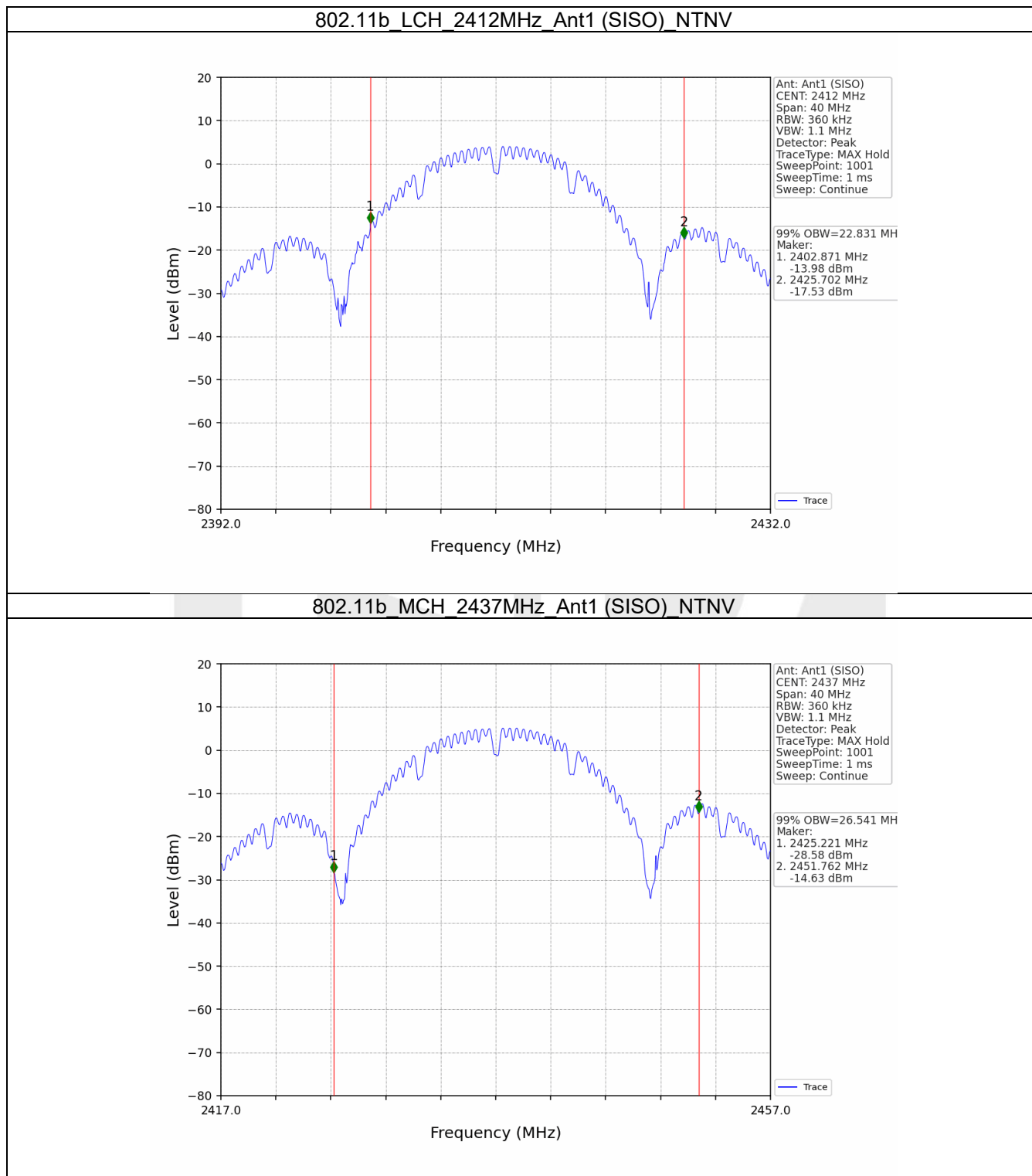
2. Bandwidth

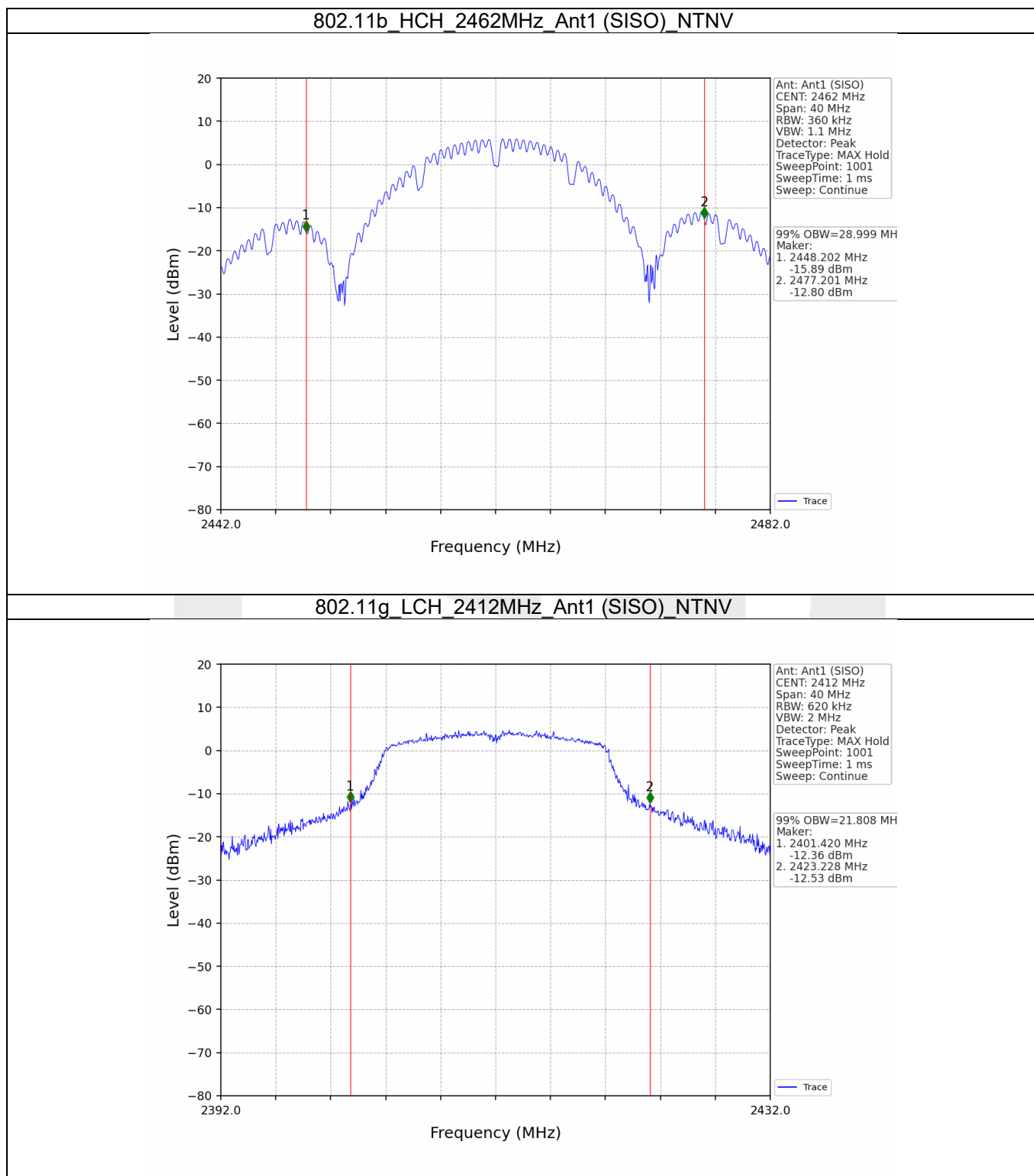
2.1 OBW

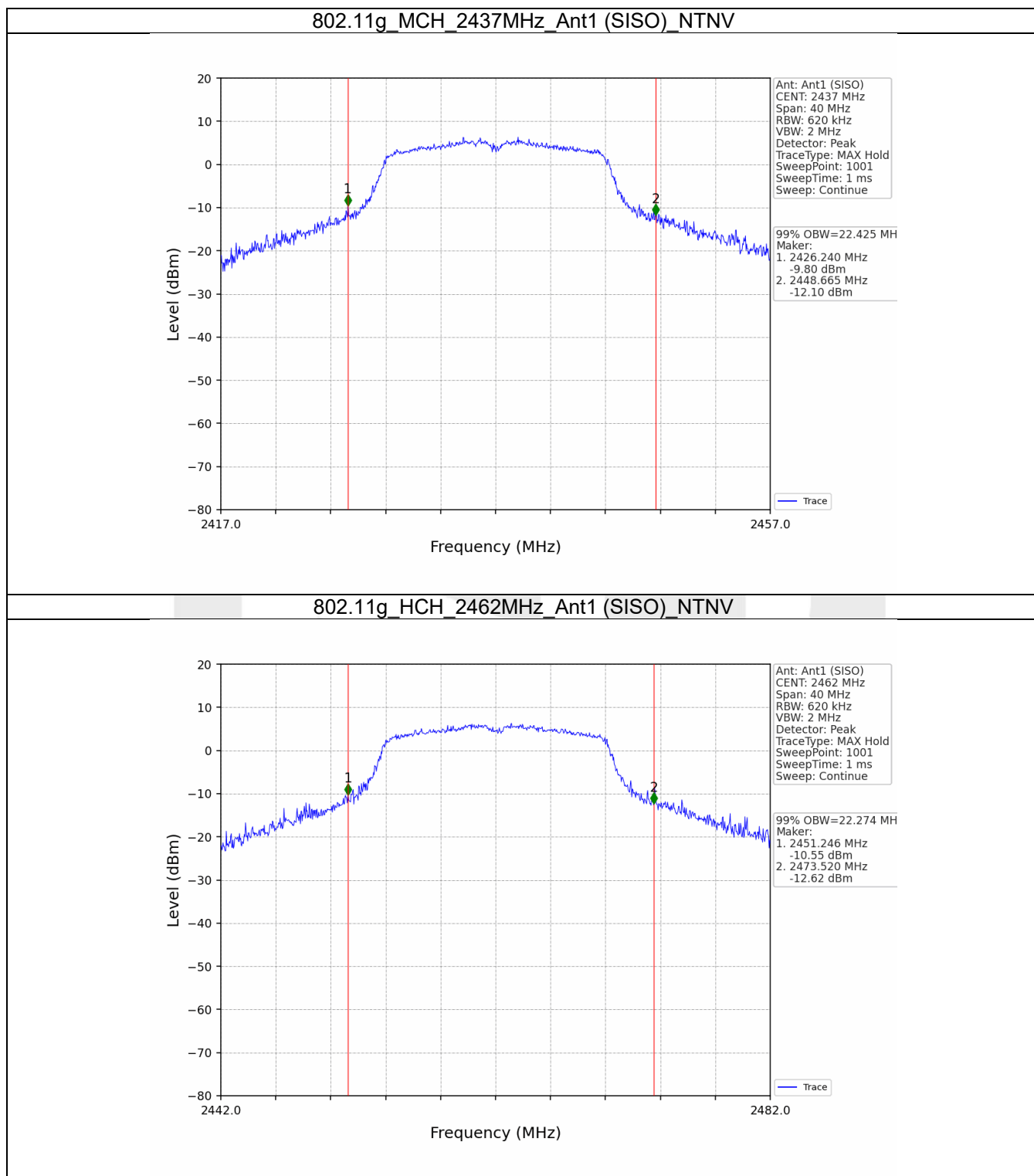
2.1.1 Test Result

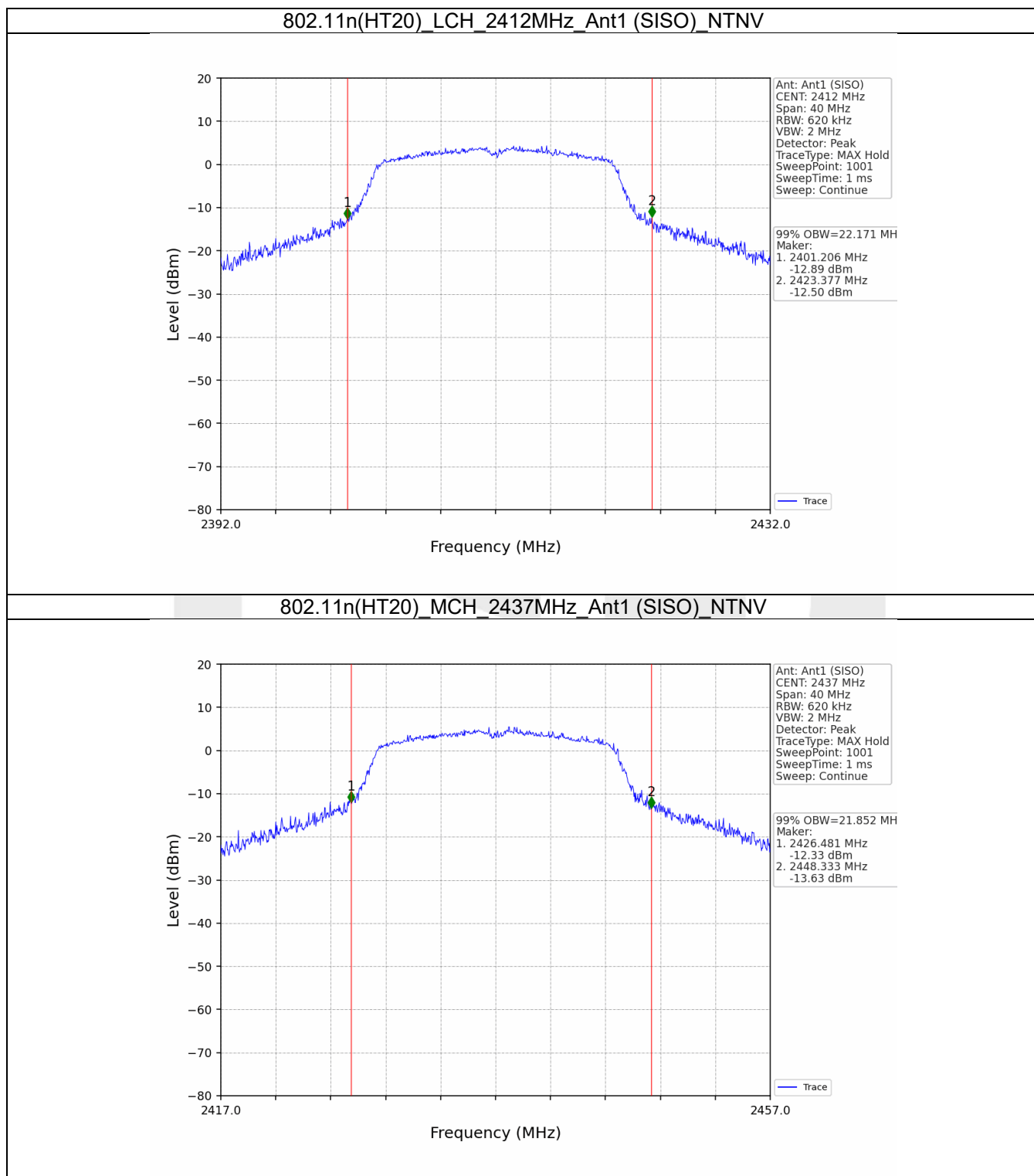
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	22.831	/	Pass
		2437	/	/	1	26.541	/	Pass
		2462	/	/	1	28.999	/	Pass
802.11g	SISO	2412	/	/	1	21.808	/	Pass
		2437	/	/	1	22.425	/	Pass
		2462	/	/	1	22.274	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	22.171	/	Pass
		2437	/	/	1	21.852	/	Pass
		2462	/	/	1	21.353	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	38.504	/	Pass
		2437	/	/	1	39.235	/	Pass
		2452	/	/	1	38.848	/	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	19.670	/	Pass
		2437	RU242	Left	1	19.540	/	Pass
		2462	RU242	Left	1	19.524	/	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	38.491	/	Pass
		2437	RU484	Left	1	38.375	/	Pass
		2452	RU484	Left	1	38.367	/	Pass

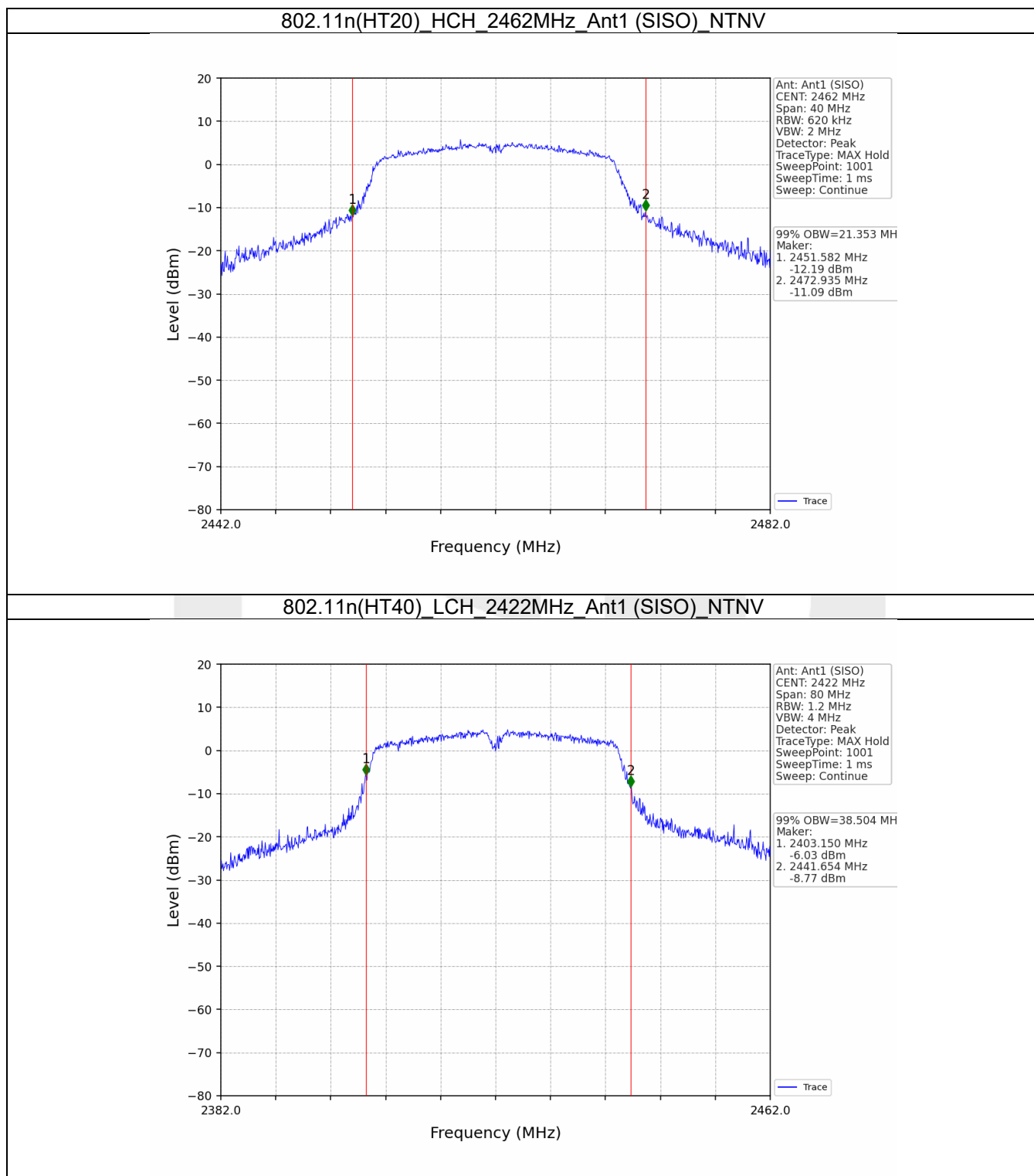
2.1.2 Test Graph

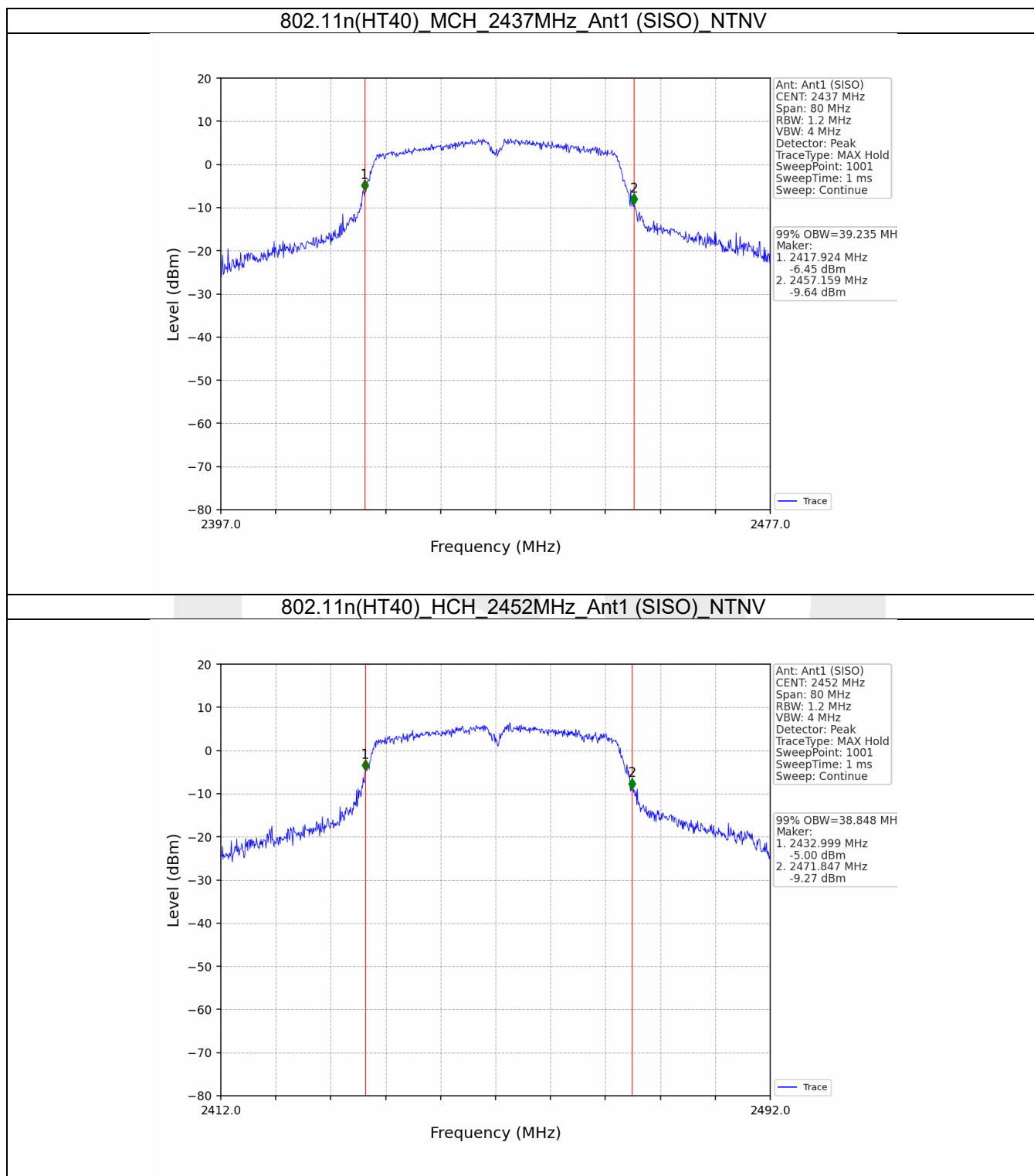




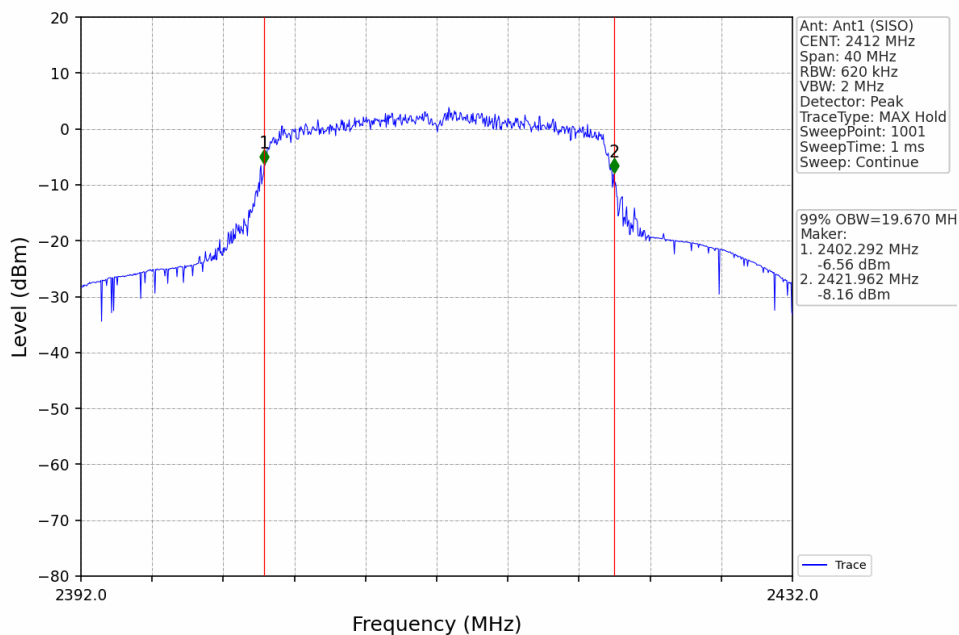




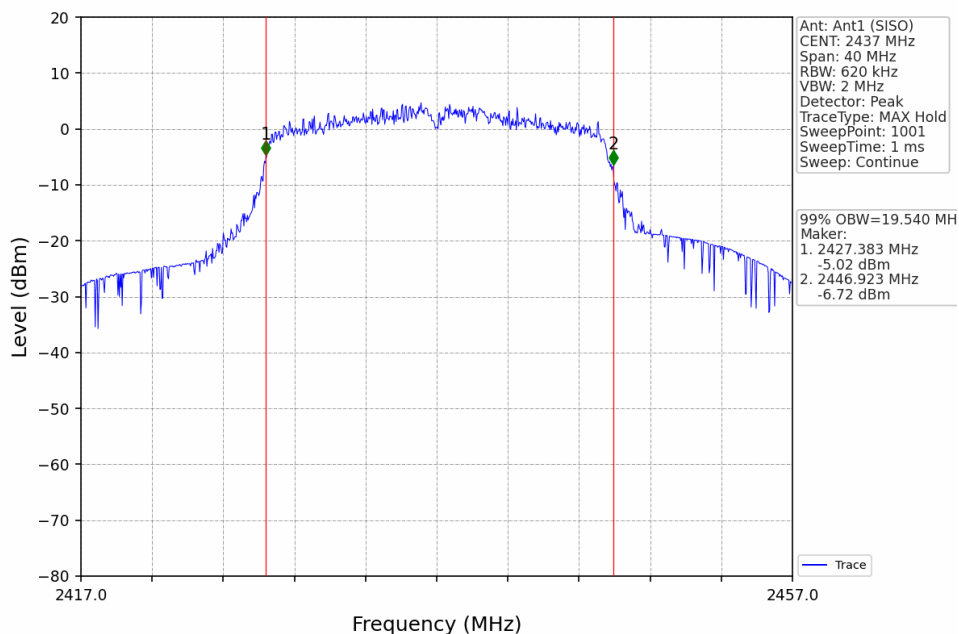


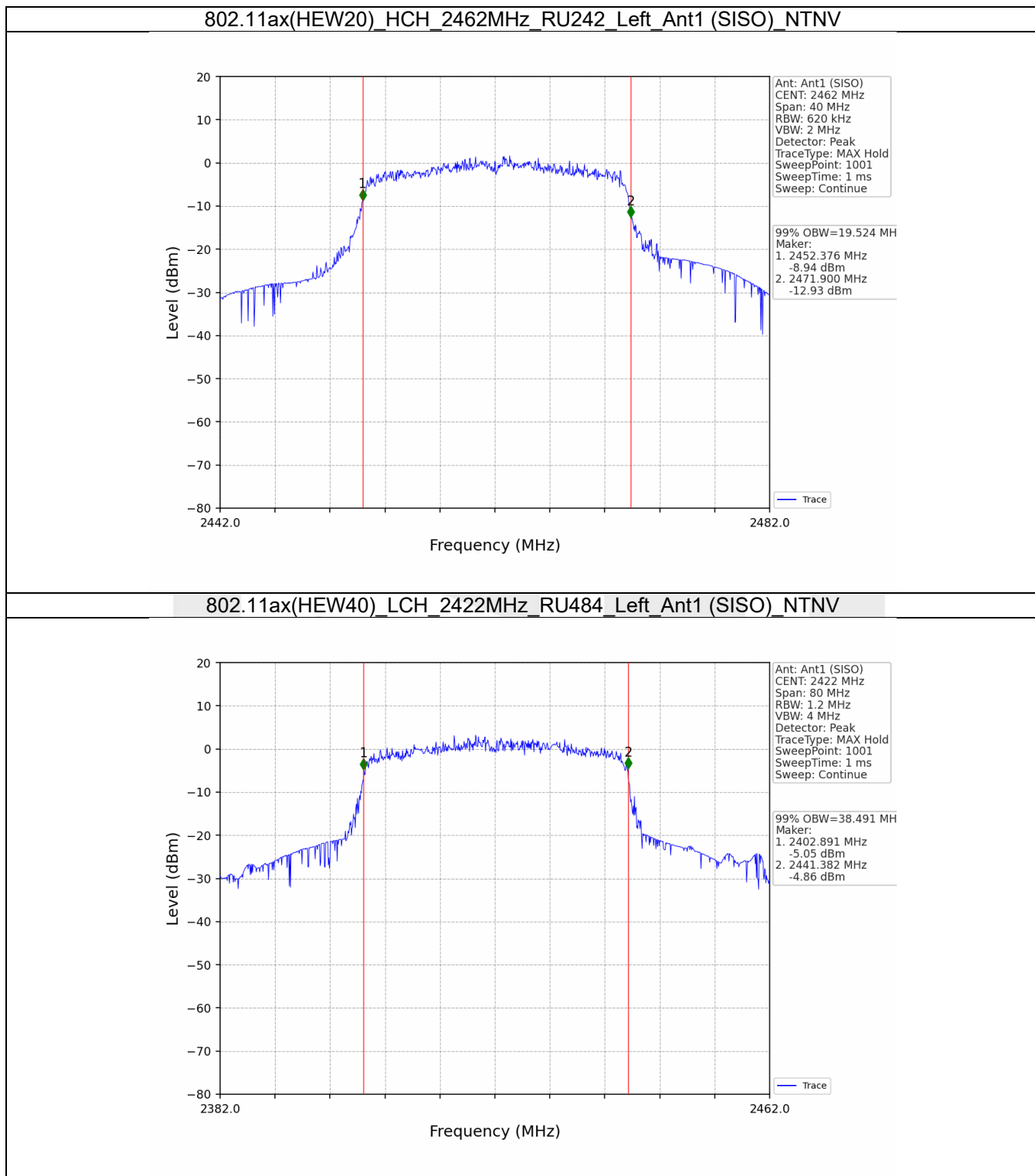


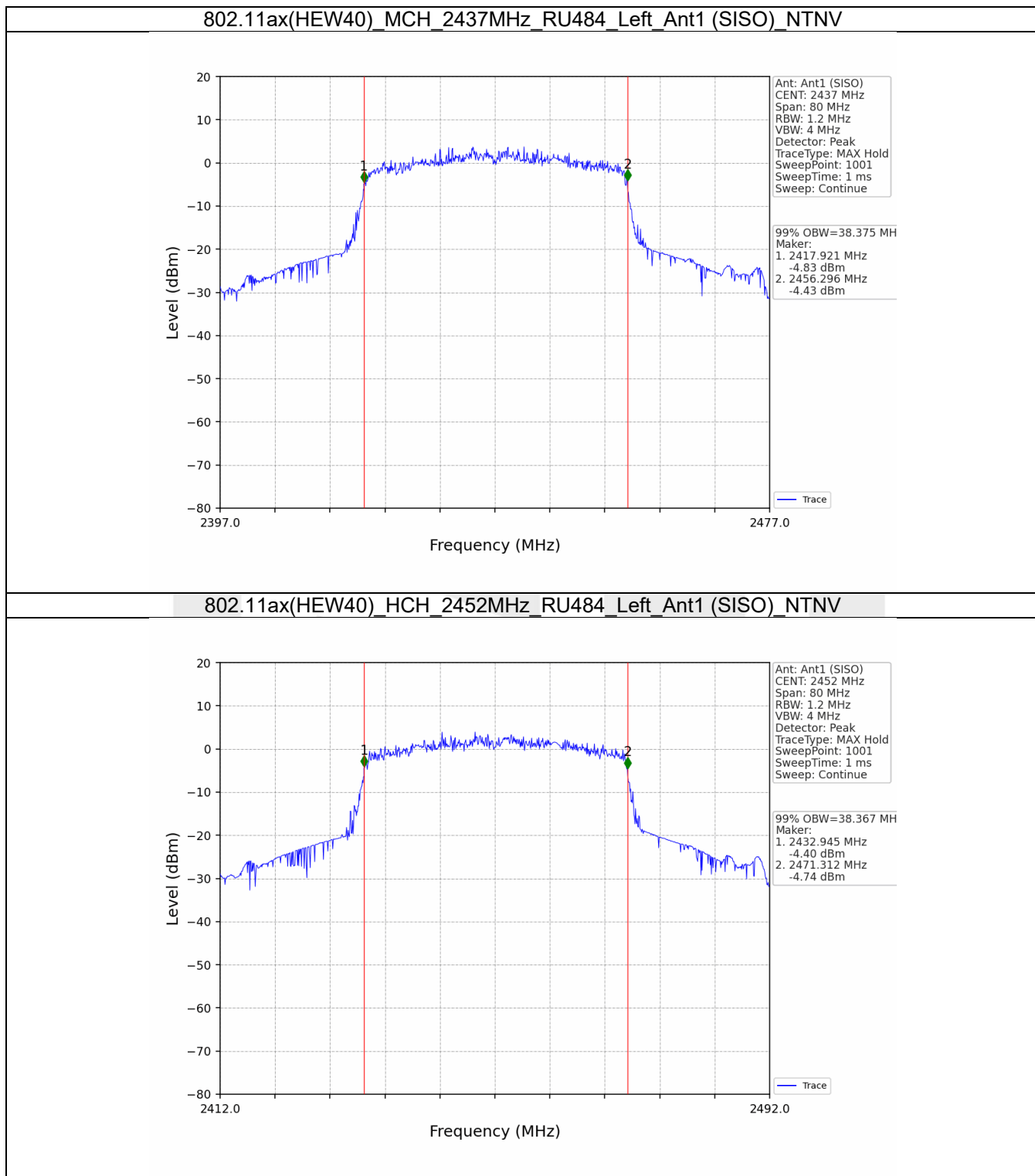
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV





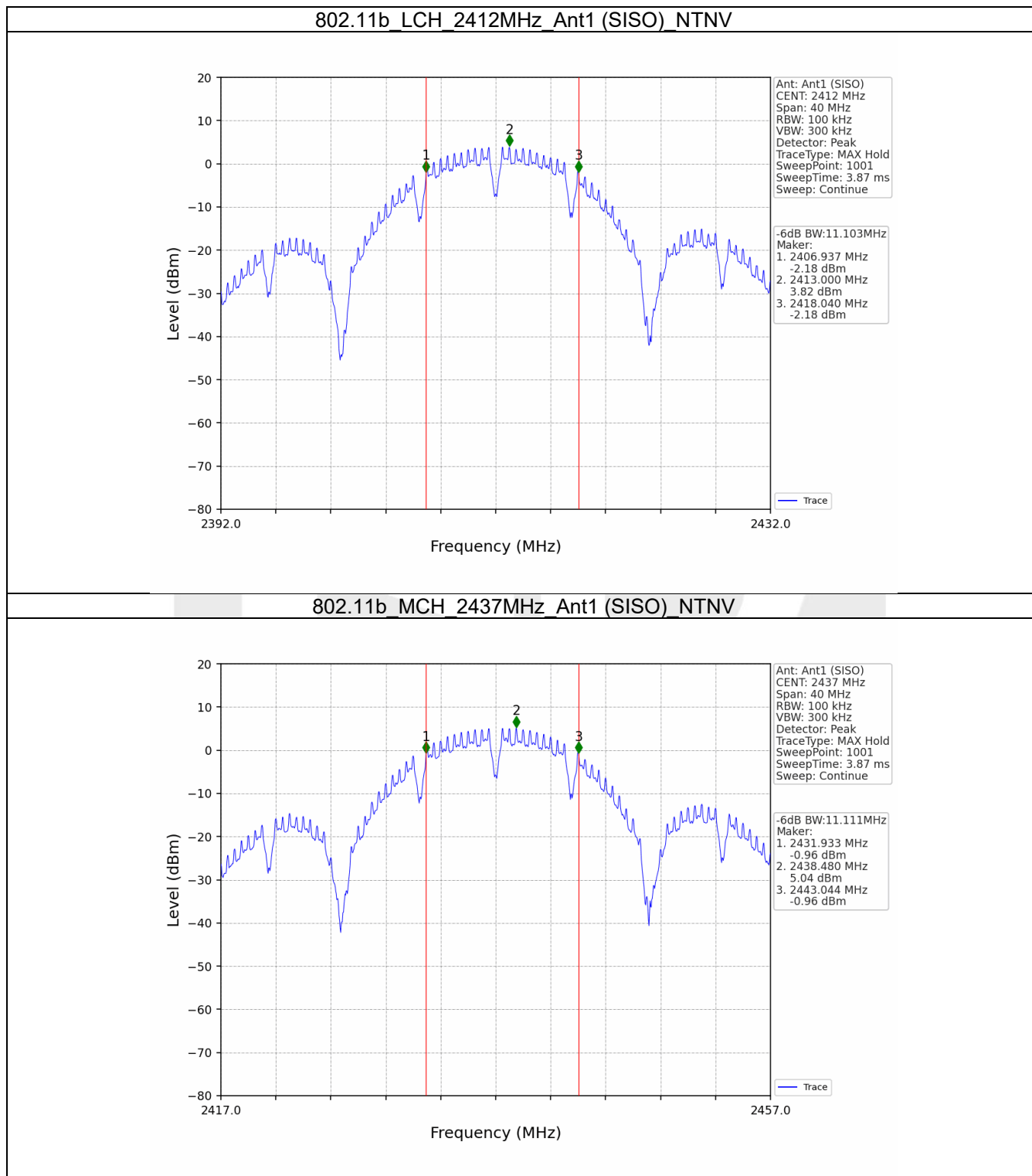


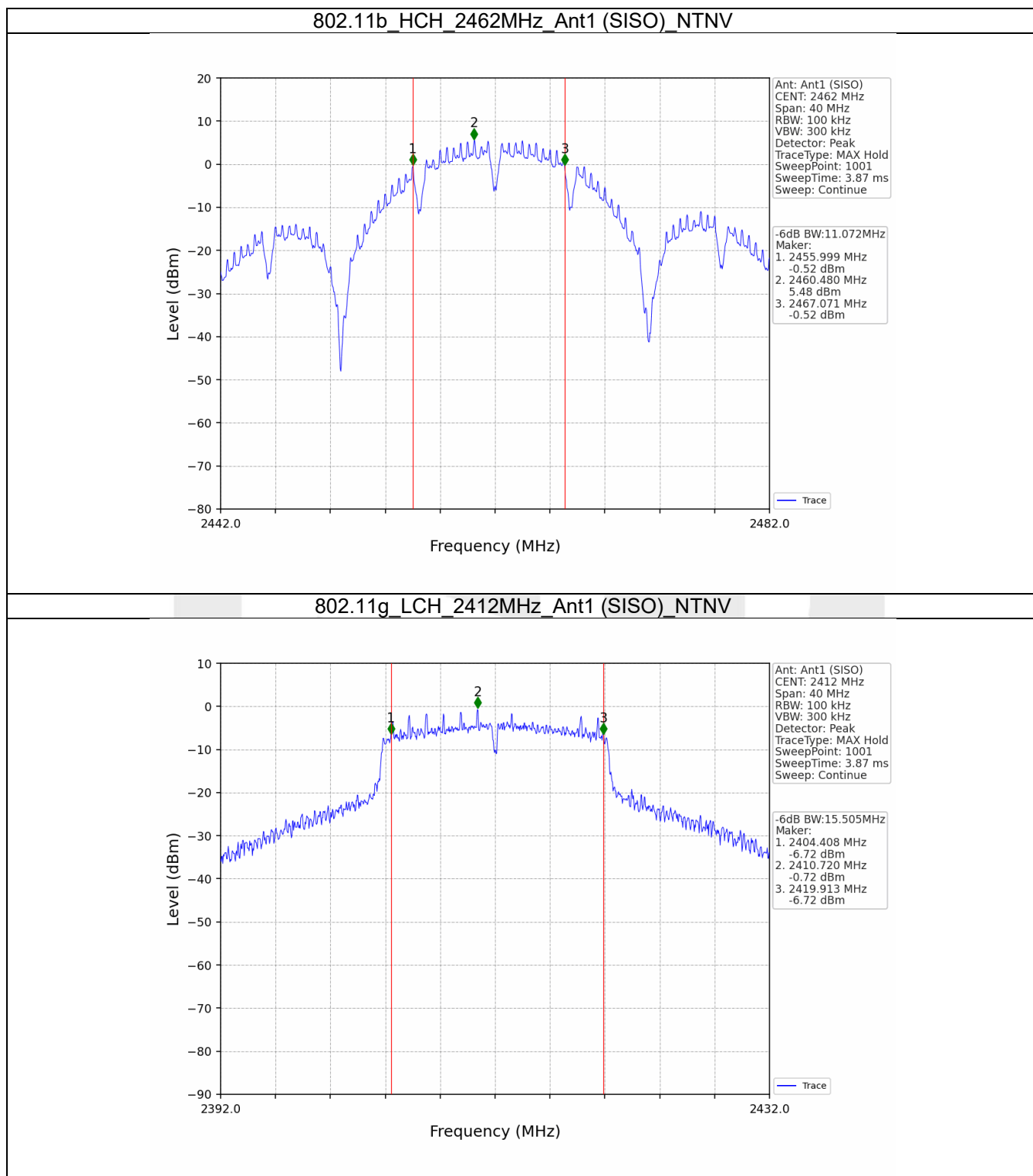
2.2 6dB BW

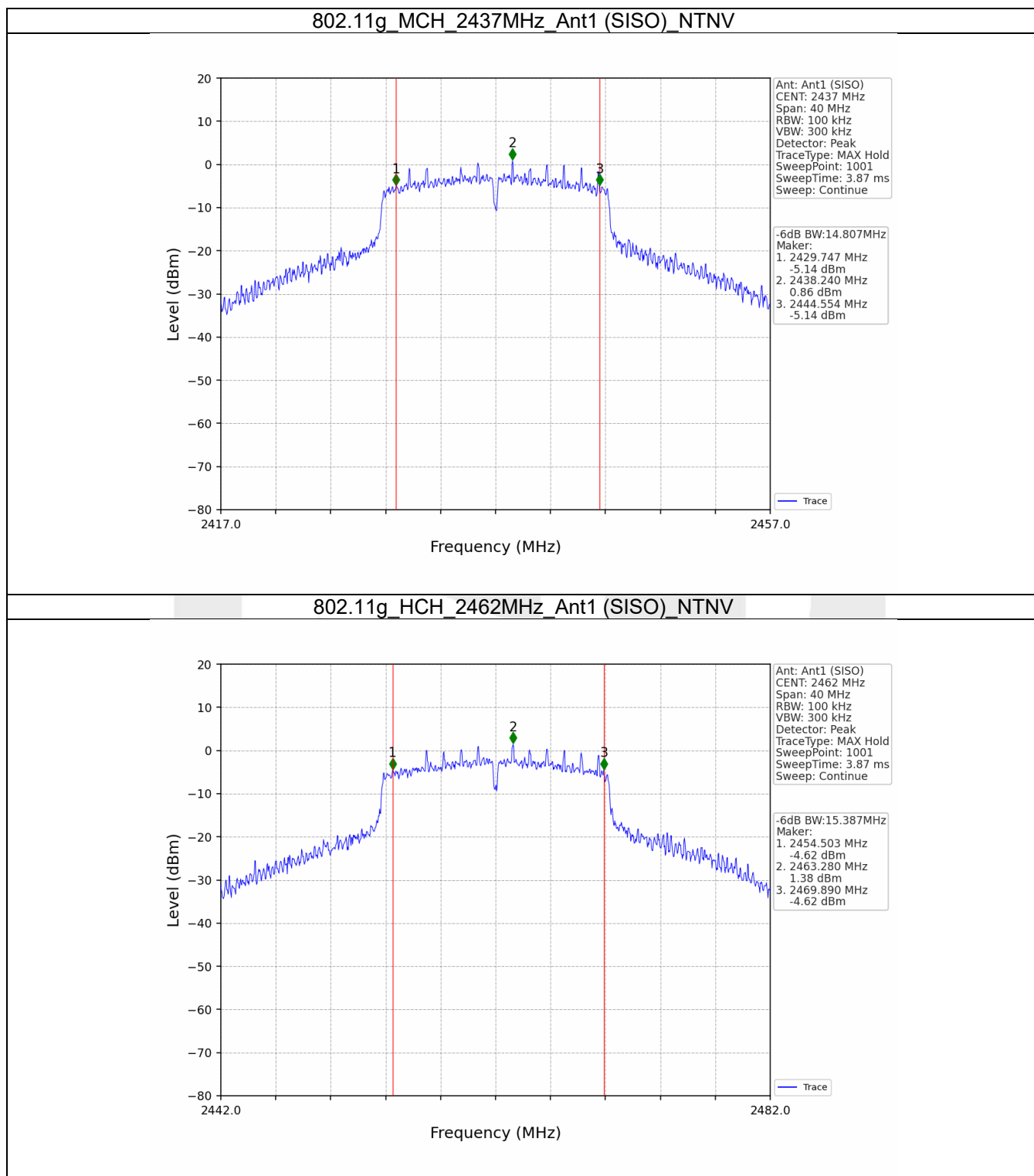
2.2.1 Test Result

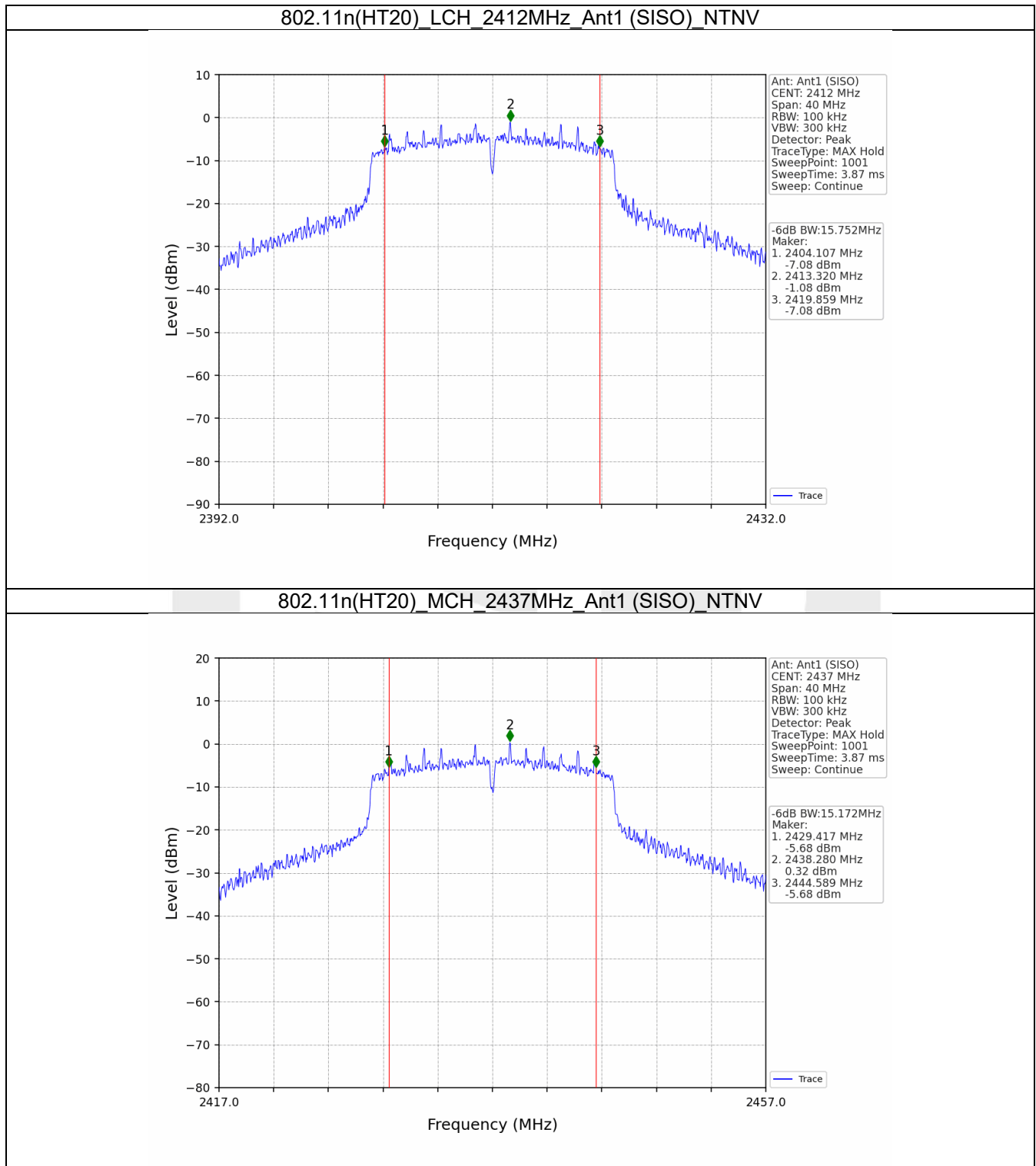
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	11.103	≥ 0.5	Pass
		2437	/	/	1	11.111	≥ 0.5	Pass
		2462	/	/	1	11.072	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	15.505	≥ 0.5	Pass
		2437	/	/	1	14.807	≥ 0.5	Pass
		2462	/	/	1	15.387	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	15.752	≥ 0.5	Pass
		2437	/	/	1	15.172	≥ 0.5	Pass
		2462	/	/	1	15.080	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.148	≥ 0.5	Pass
		2437	/	/	1	35.054	≥ 0.5	Pass
		2452	/	/	1	35.138	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	15.530	≥ 0.5	Pass
		2437	RU242	Left	1	16.064	≥ 0.5	Pass
		2462	RU242	Left	1	16.214	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	35.156	≥ 0.5	Pass
		2437	RU484	Left	1	35.159	≥ 0.5	Pass
		2452	RU484	Left	1	33.939	≥ 0.5	Pass

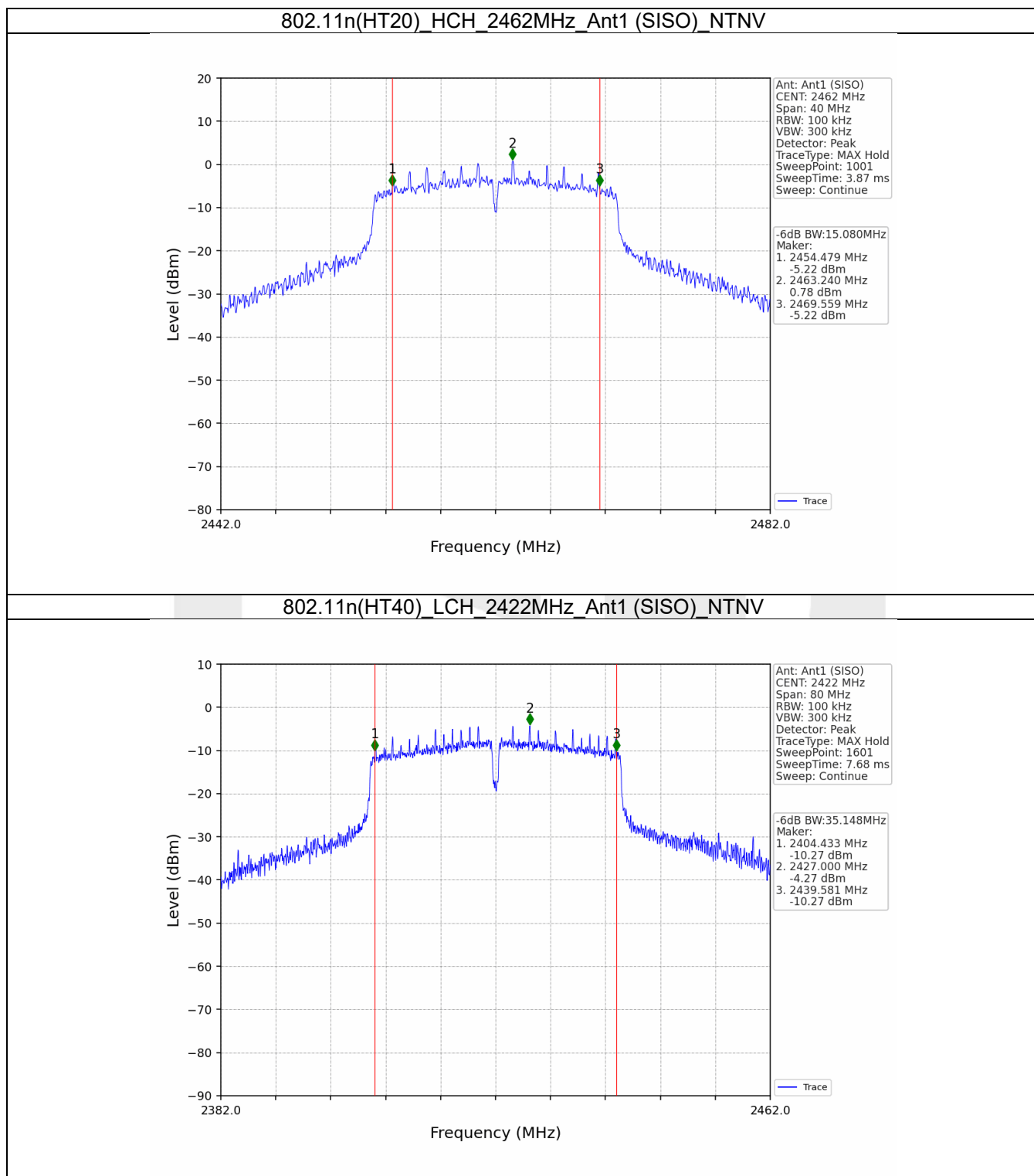
2.2.2 Test Graph

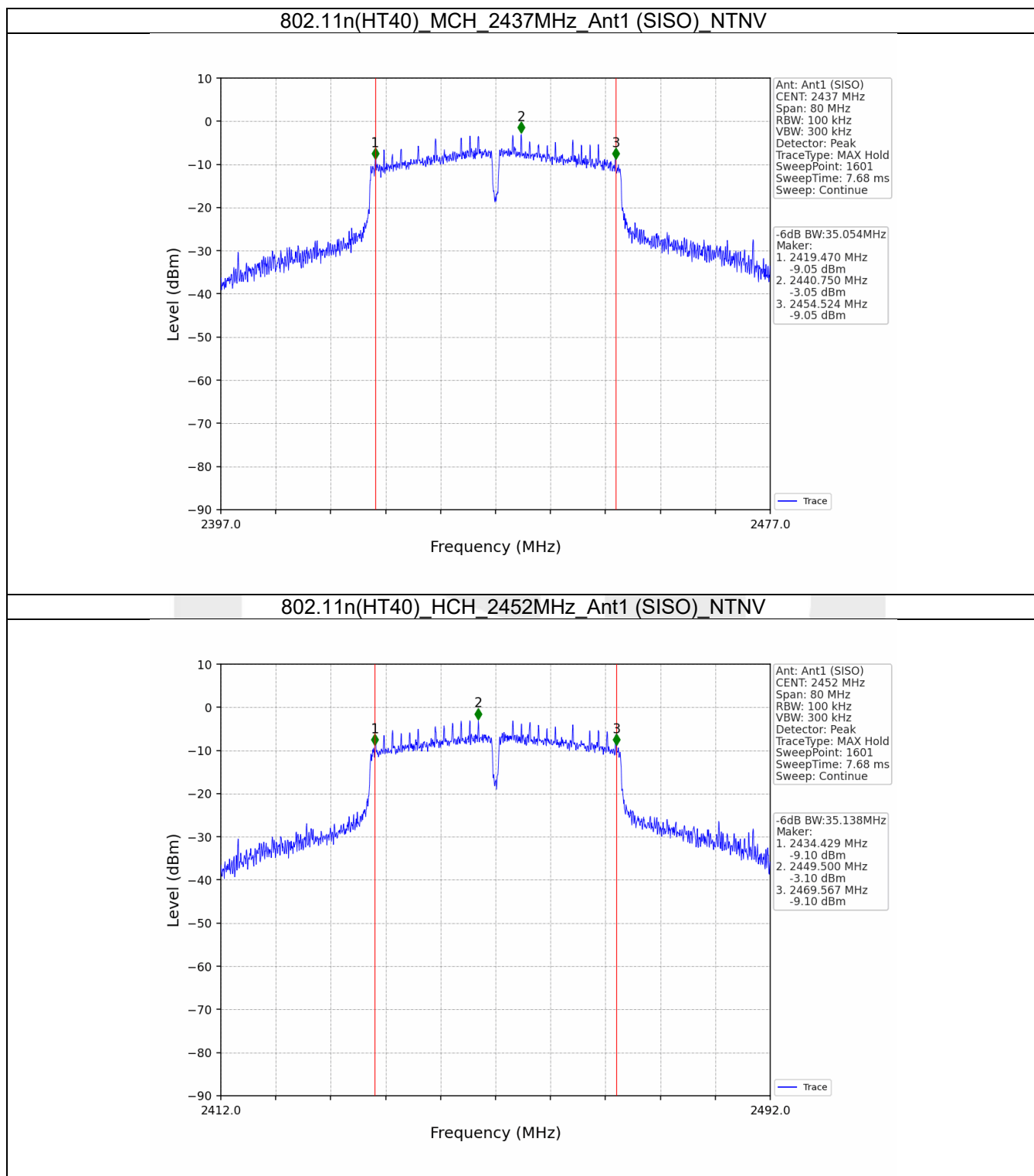


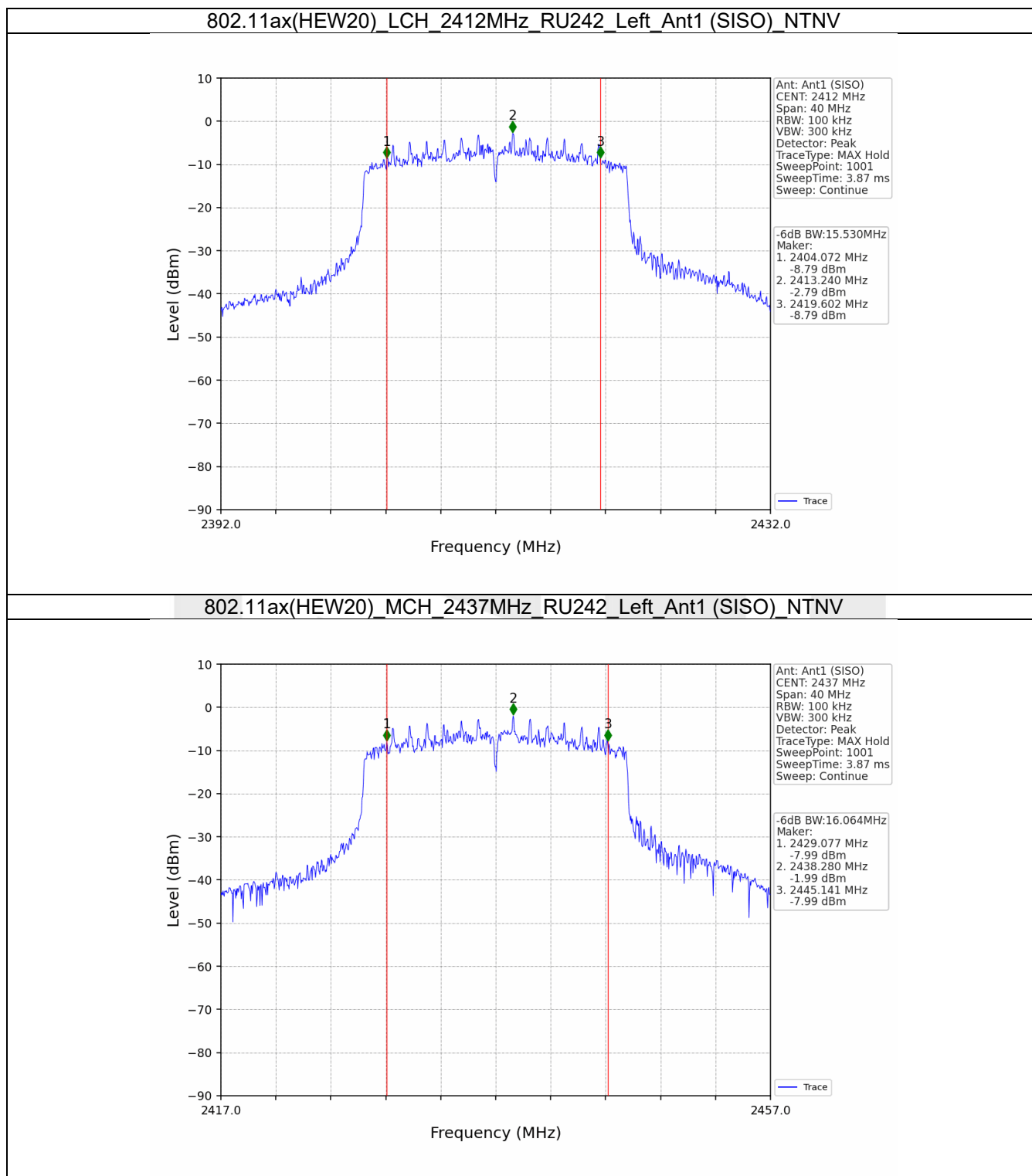


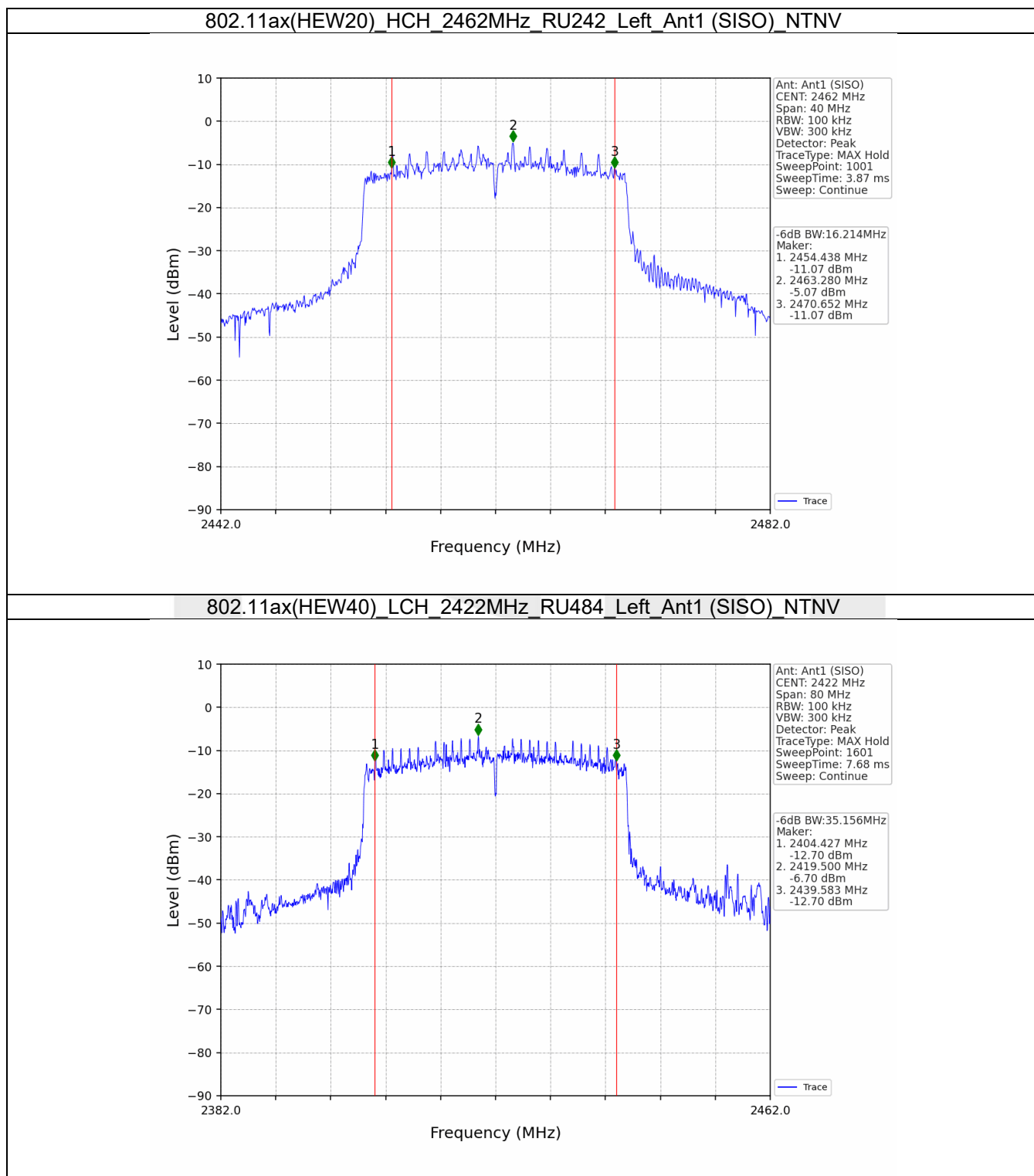


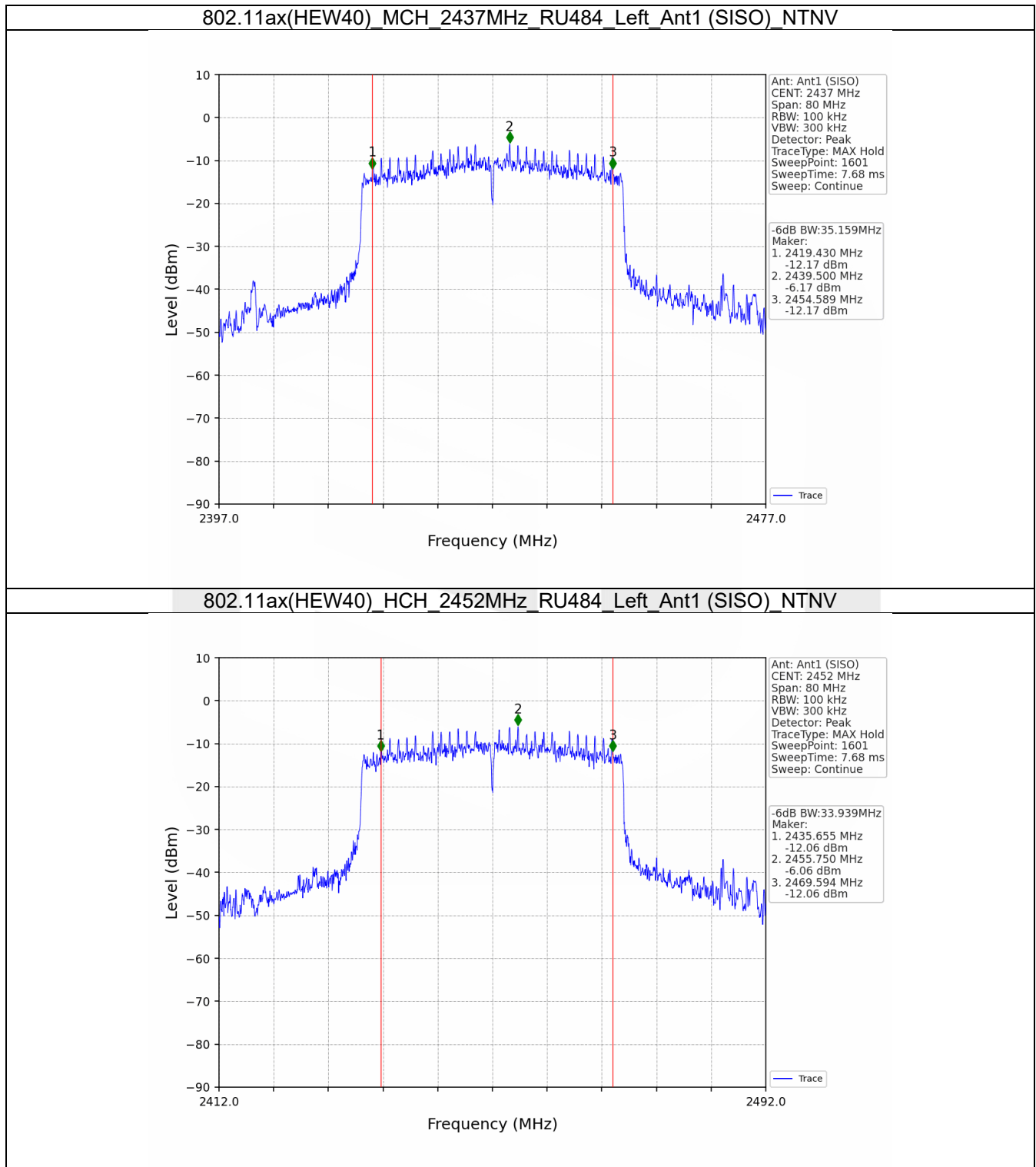












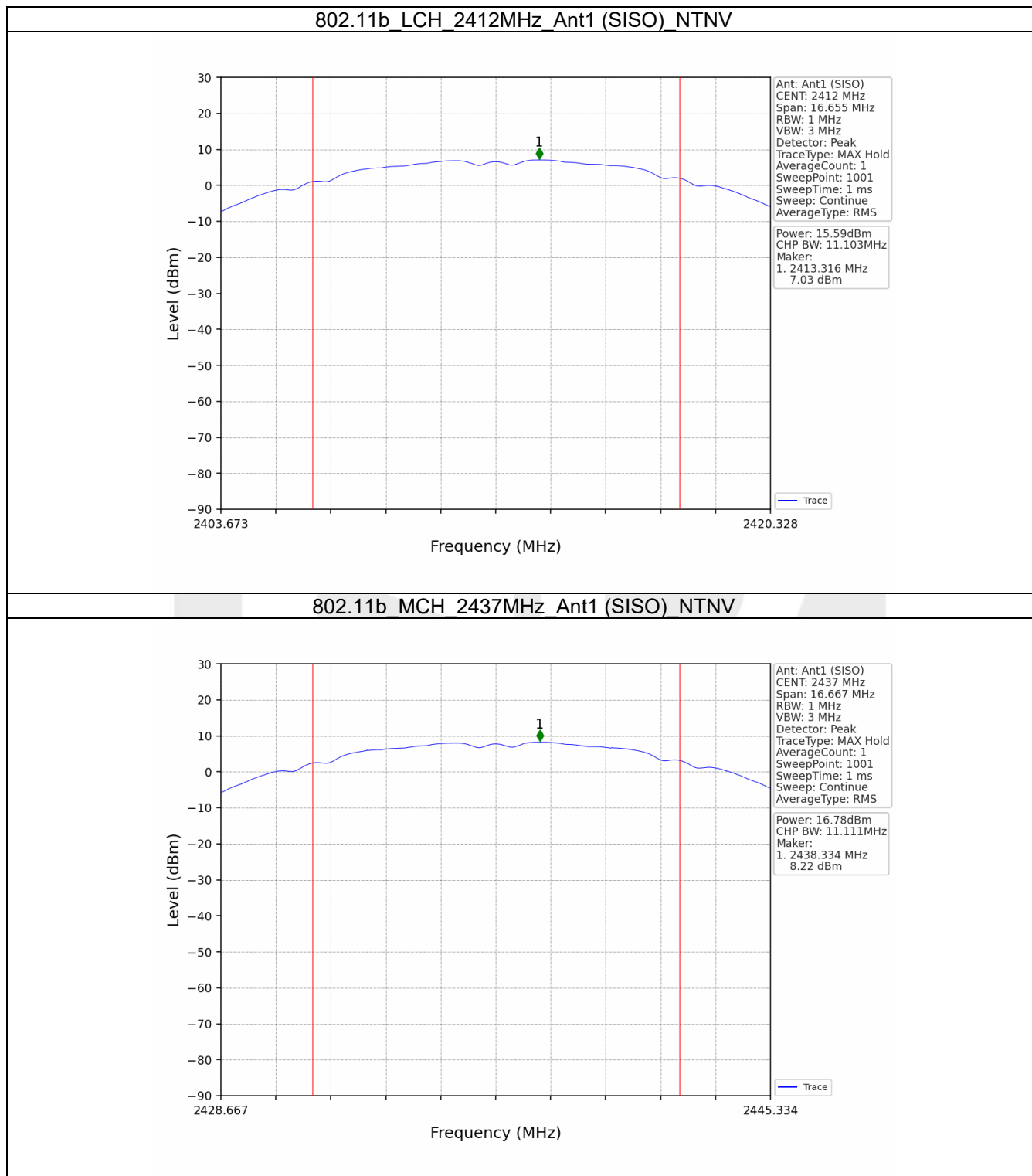
3. Maximum Conducted Output Power

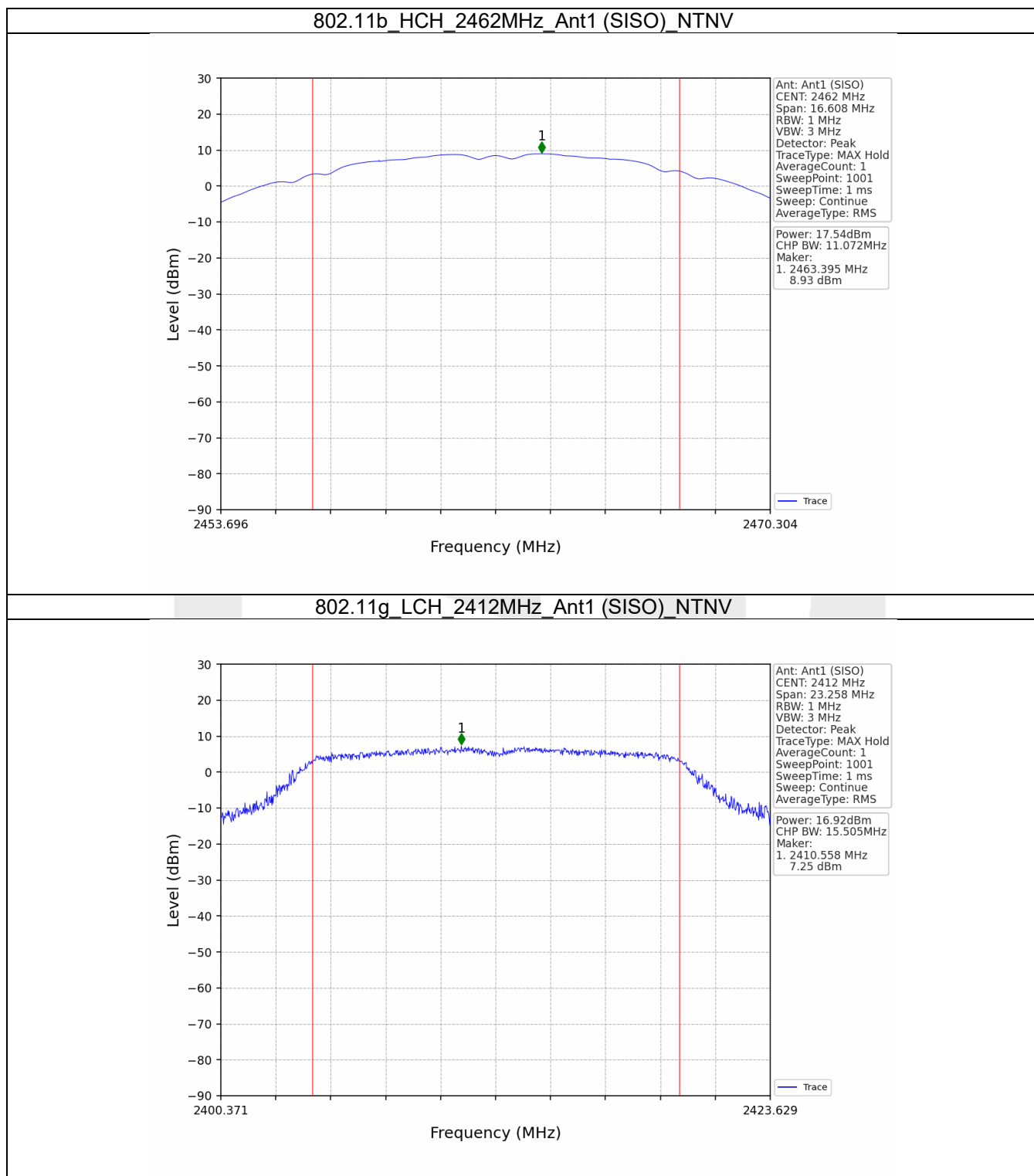
3.1 Power

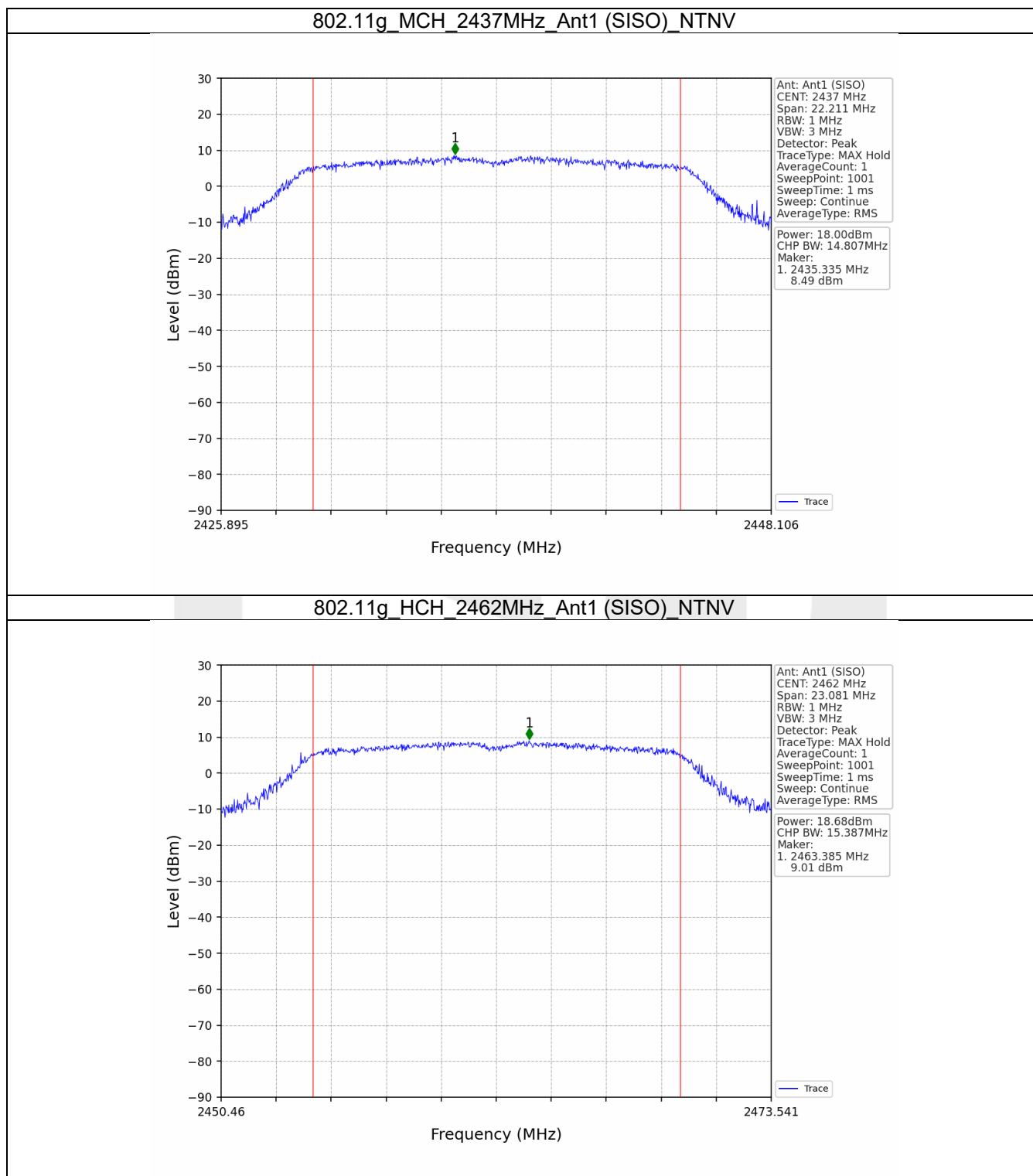
3.1.1 Test Result

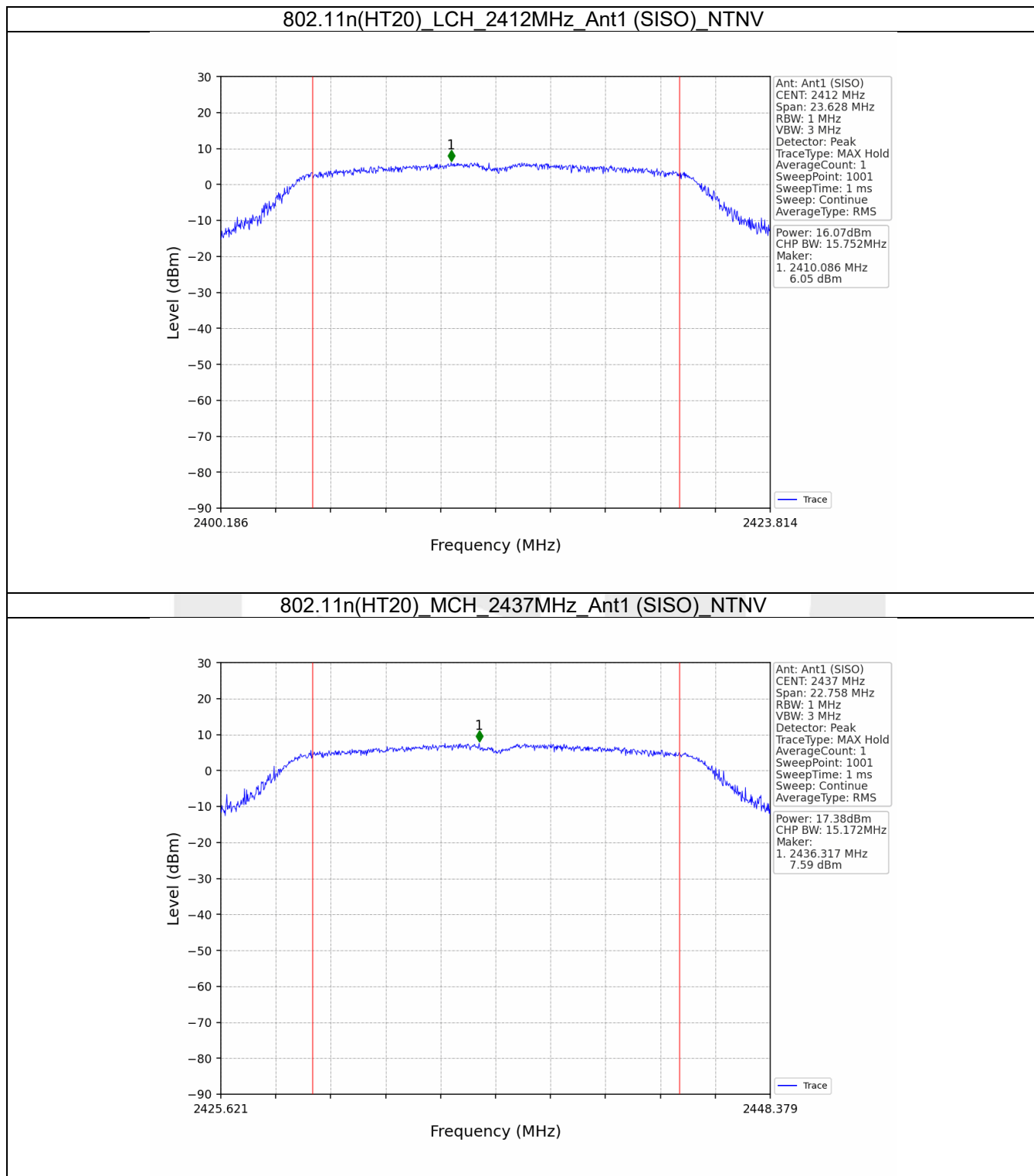
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	15.59	<=30	Pass
		2437	/	/	16.78	<=30	Pass
		2462	/	/	17.54	<=30	Pass
802.11g	SISO	2412	/	/	16.92	<=30	Pass
		2437	/	/	18.00	<=30	Pass
		2462	/	/	18.68	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	16.07	<=30	Pass
		2437	/	/	17.38	<=30	Pass
		2462	/	/	17.59	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	16.43	<=30	Pass
		2437	/	/	17.33	<=30	Pass
		2452	/	/	17.70	<=30	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	14.21	<=30	Pass
		2437	RU242	Left	14.65	<=30	Pass
		2462	RU242	Left	14.69	<=30	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	13.59	<=30	Pass
		2437	RU484	Left	14.10	<=30	Pass
		2452	RU484	Left	14.35	<=30	Pass

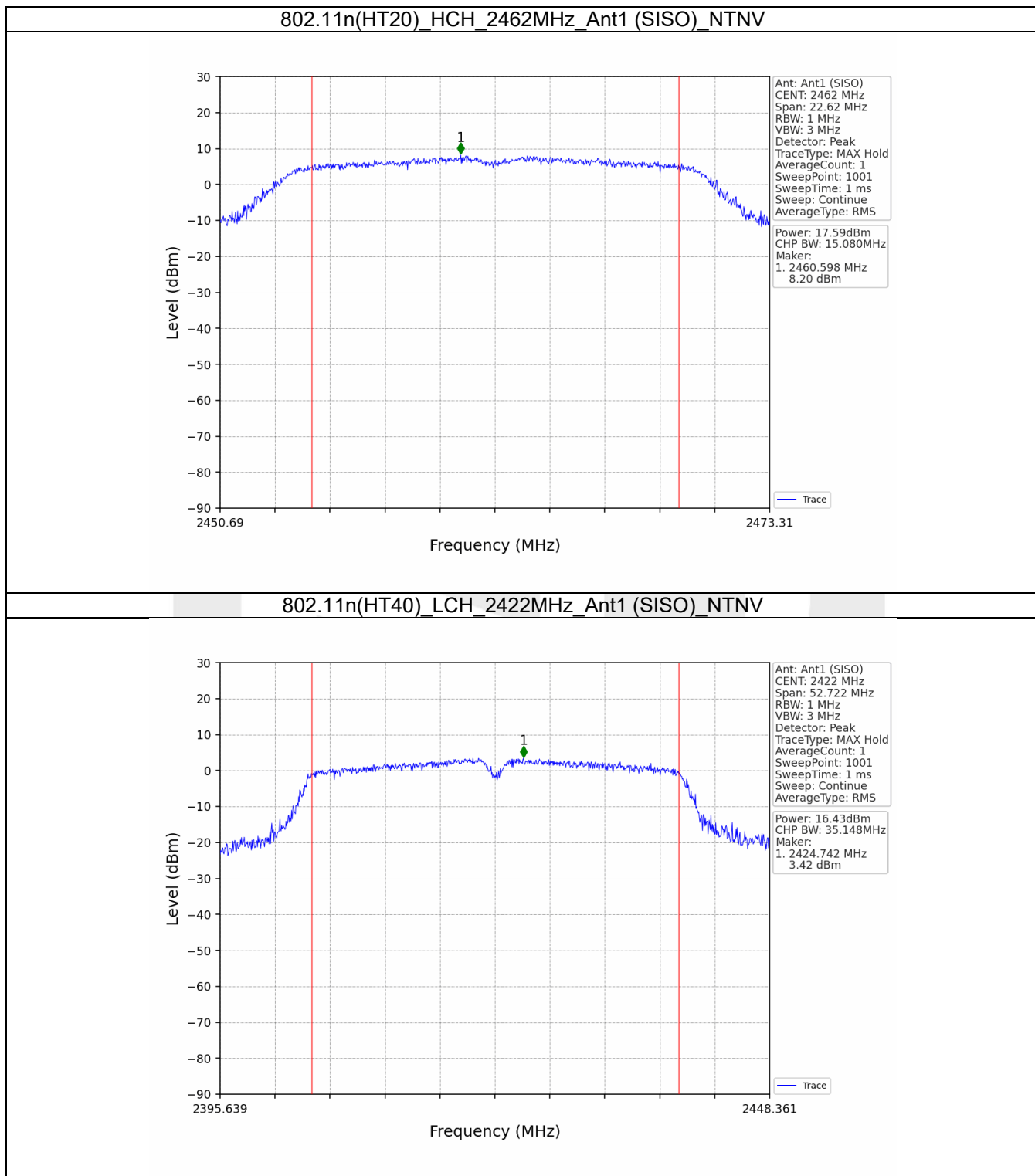
3.1.2 Test Graph

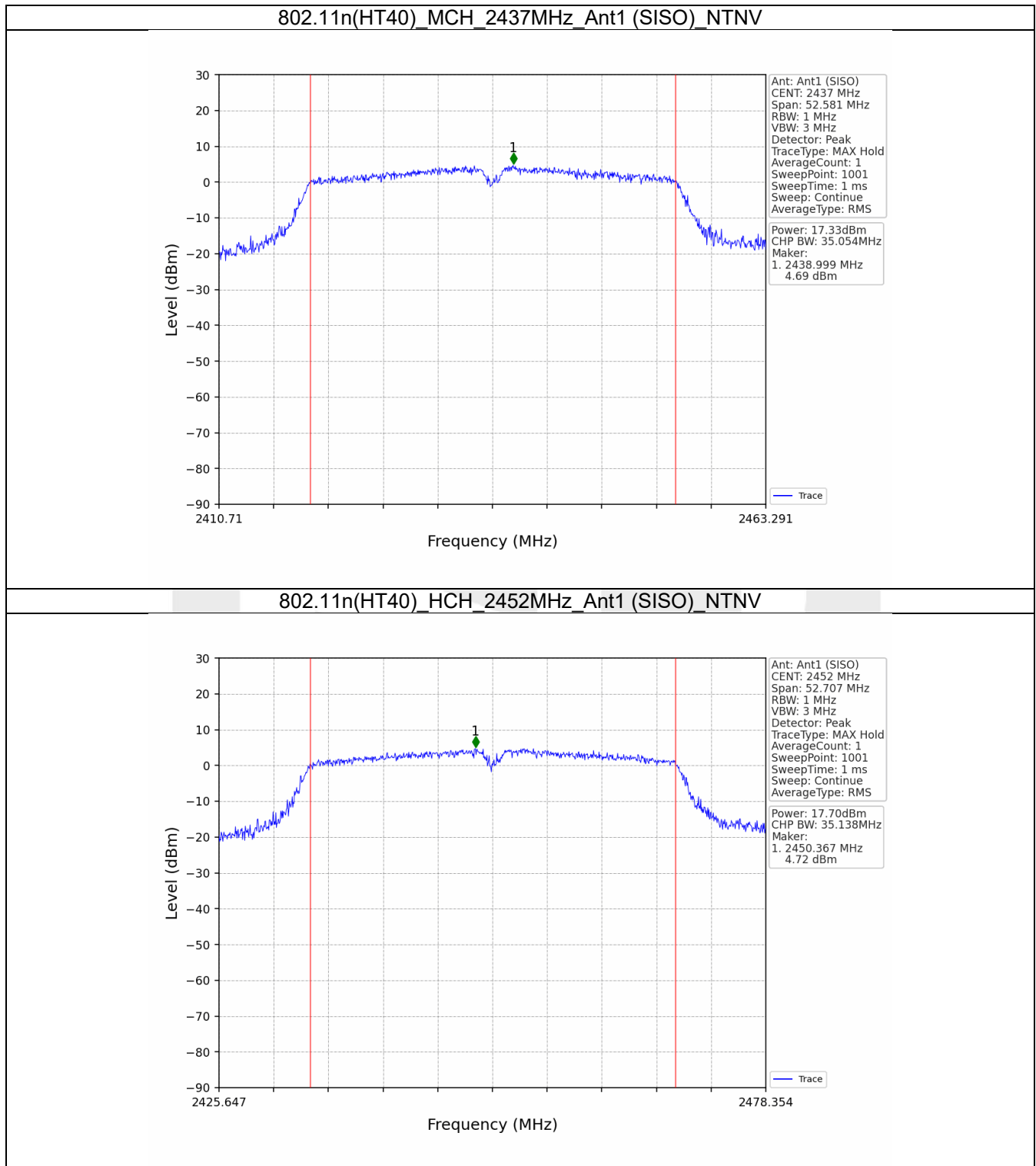


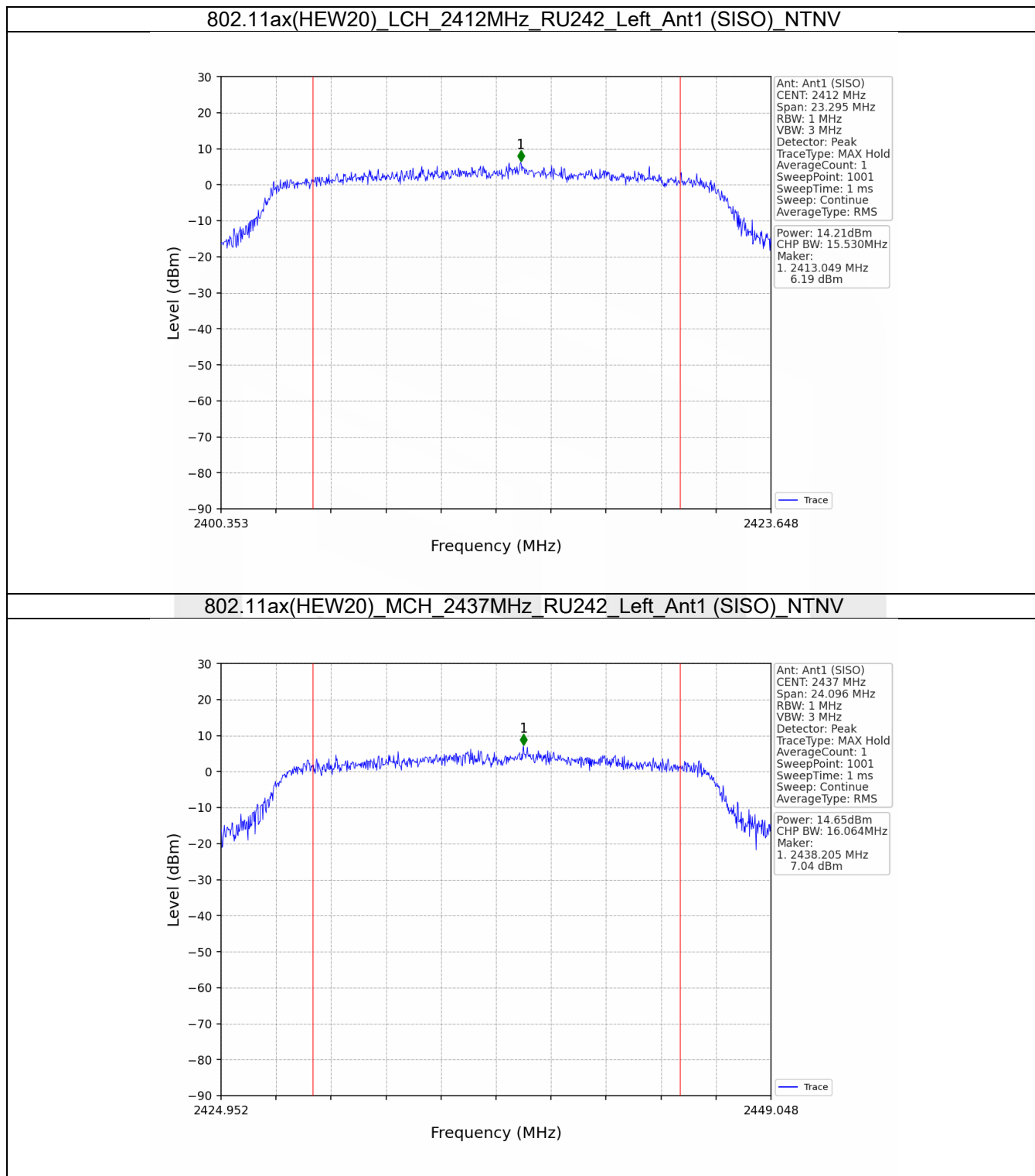


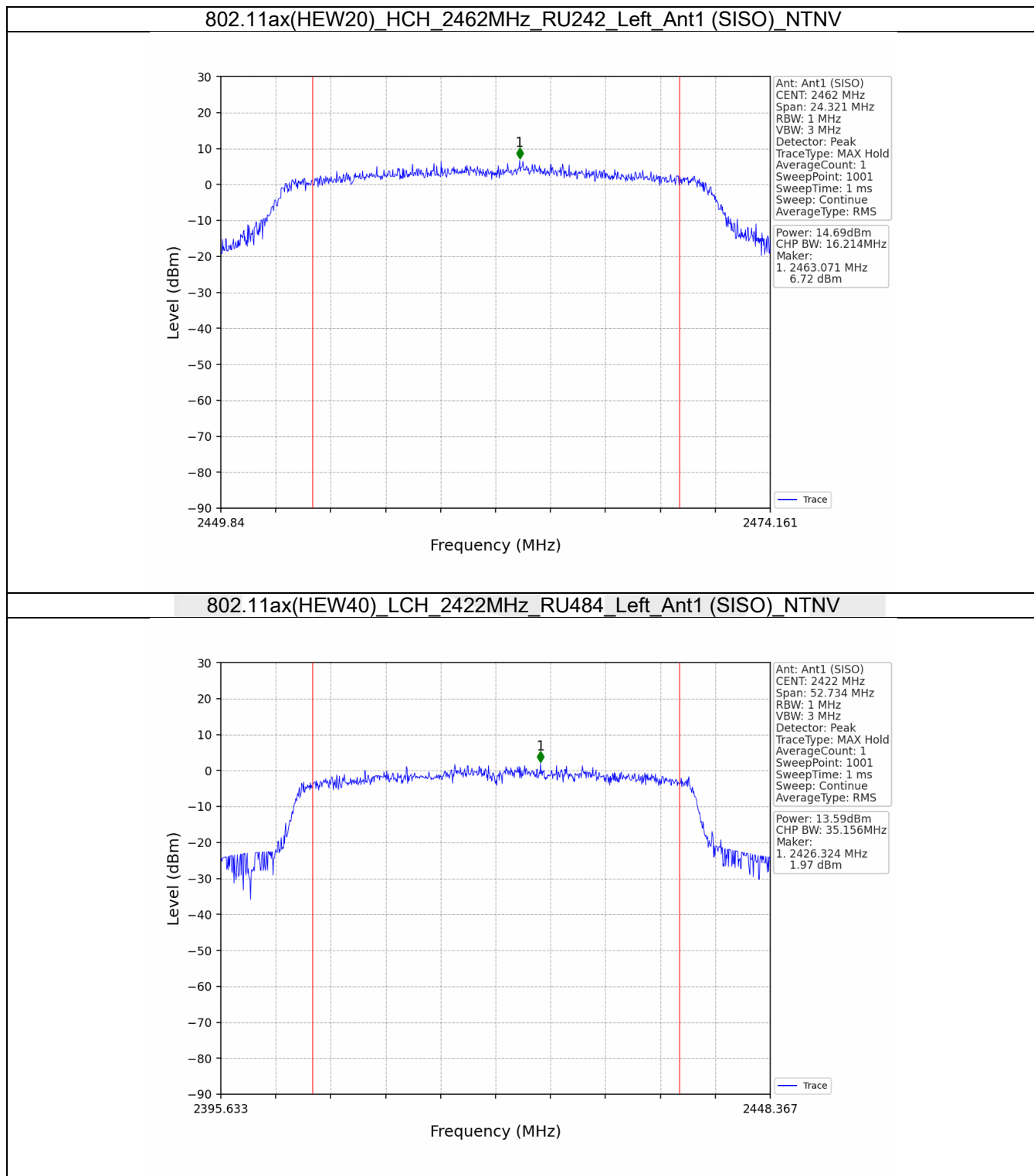




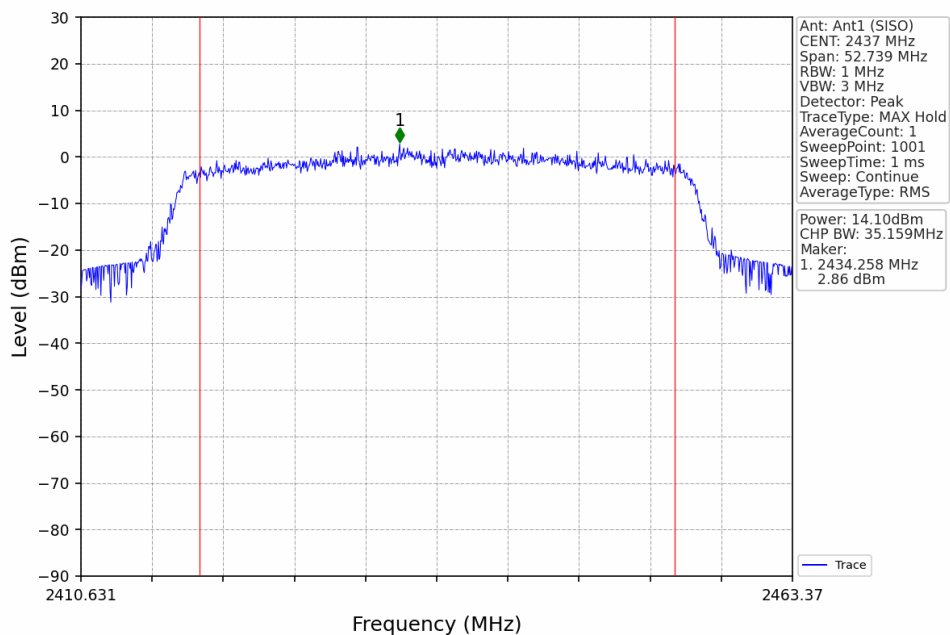




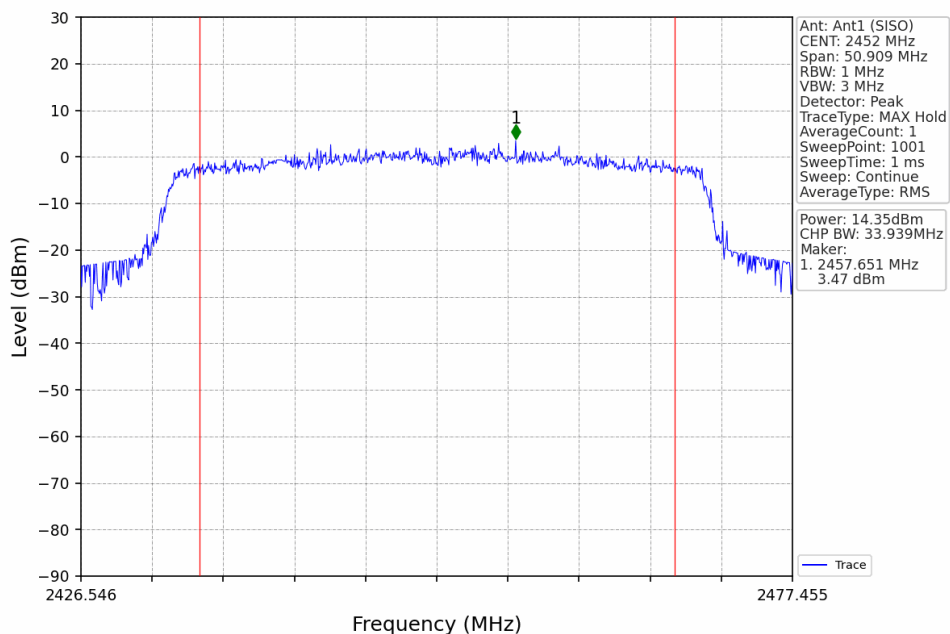




802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



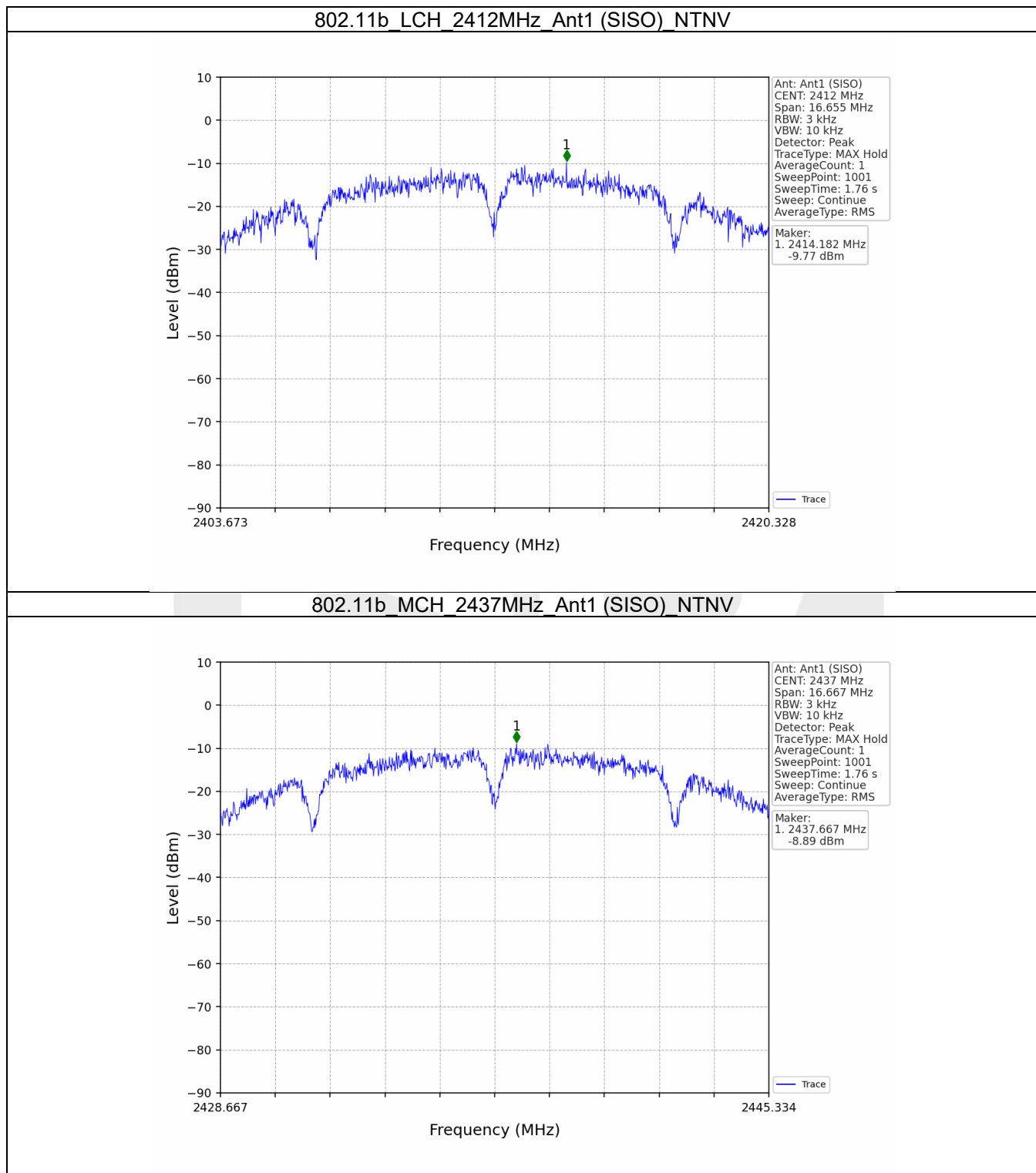
4. Maximum Power Spectral Density

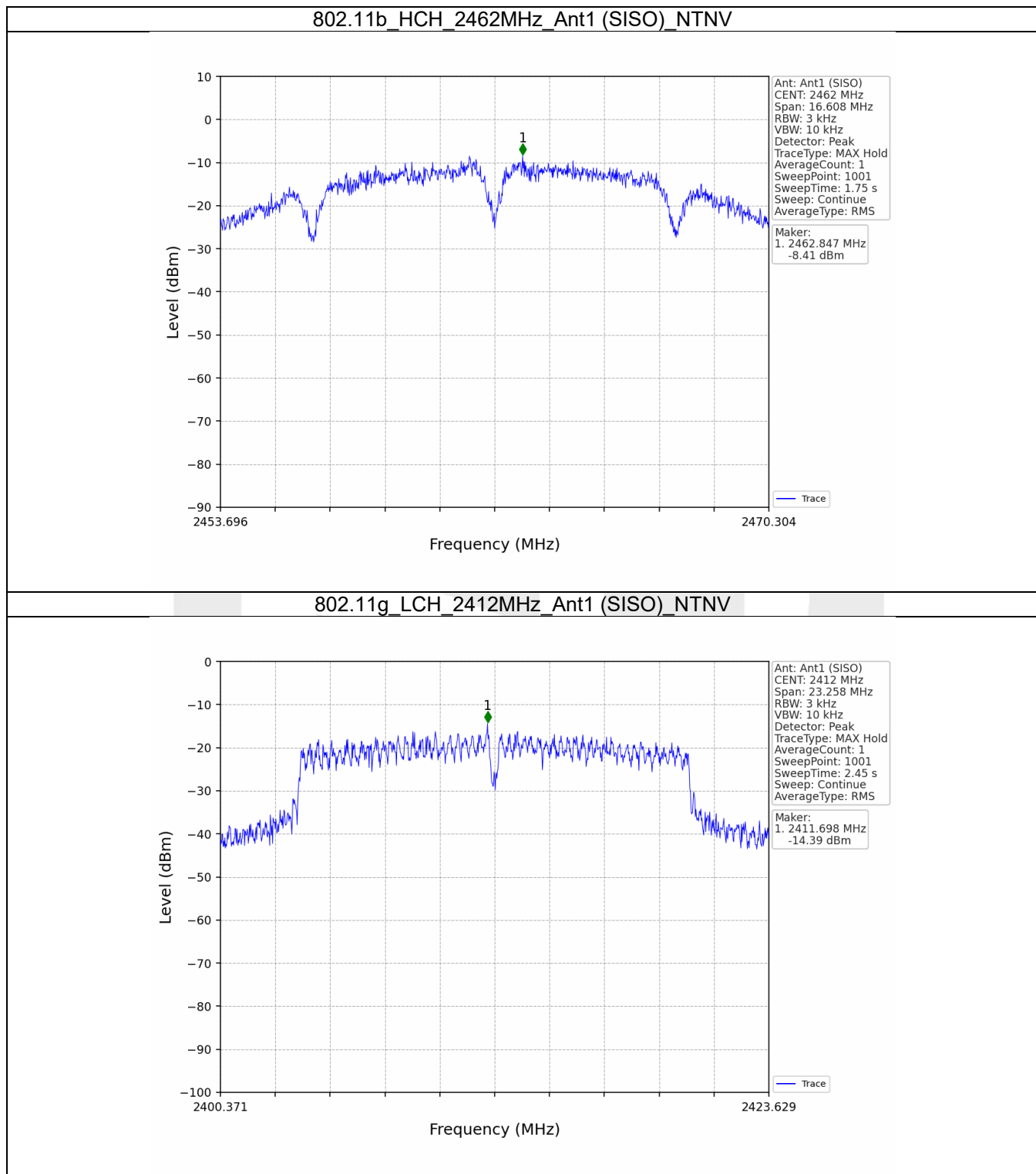
4.1 PSD

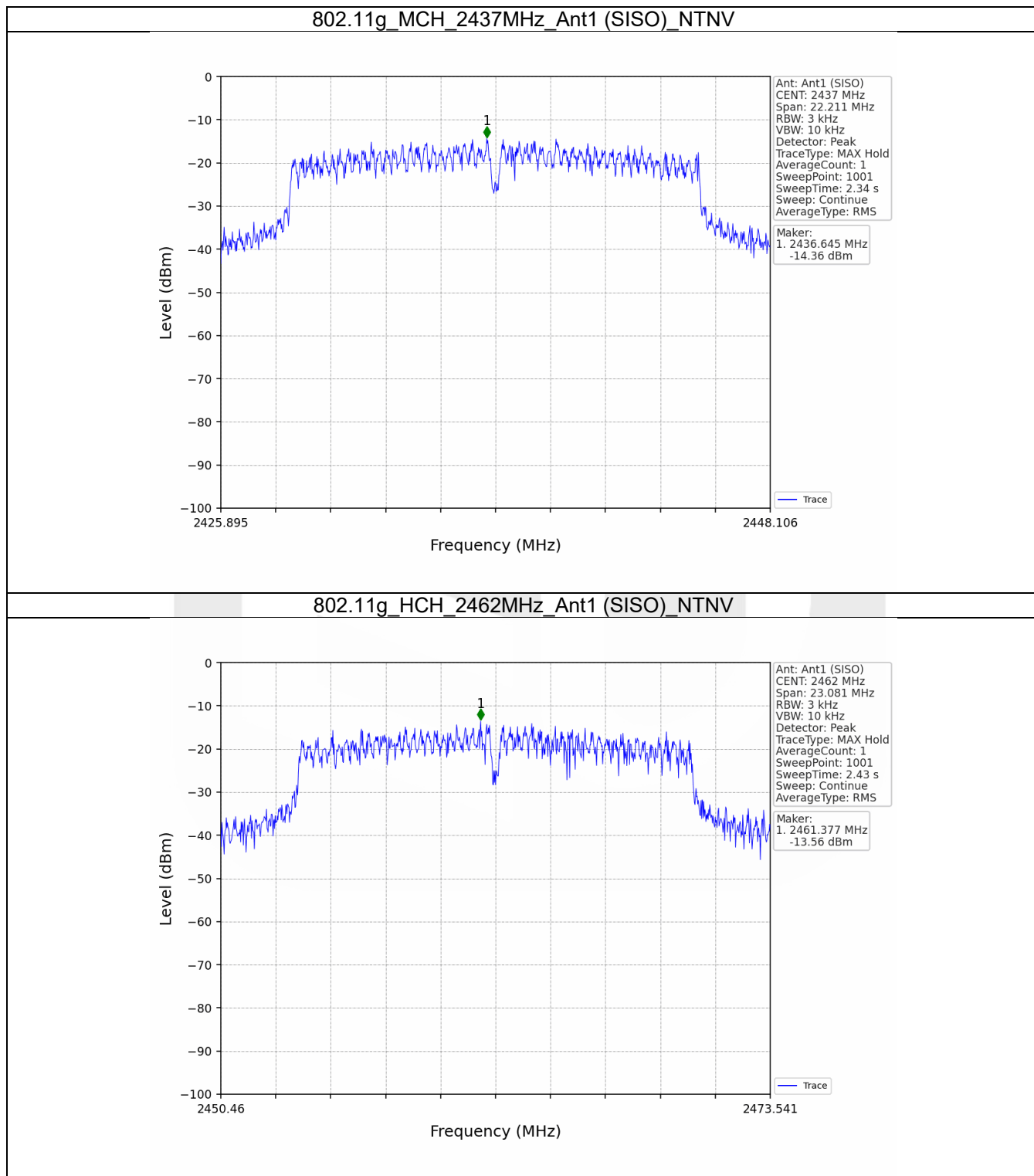
4.1.1 Test Result

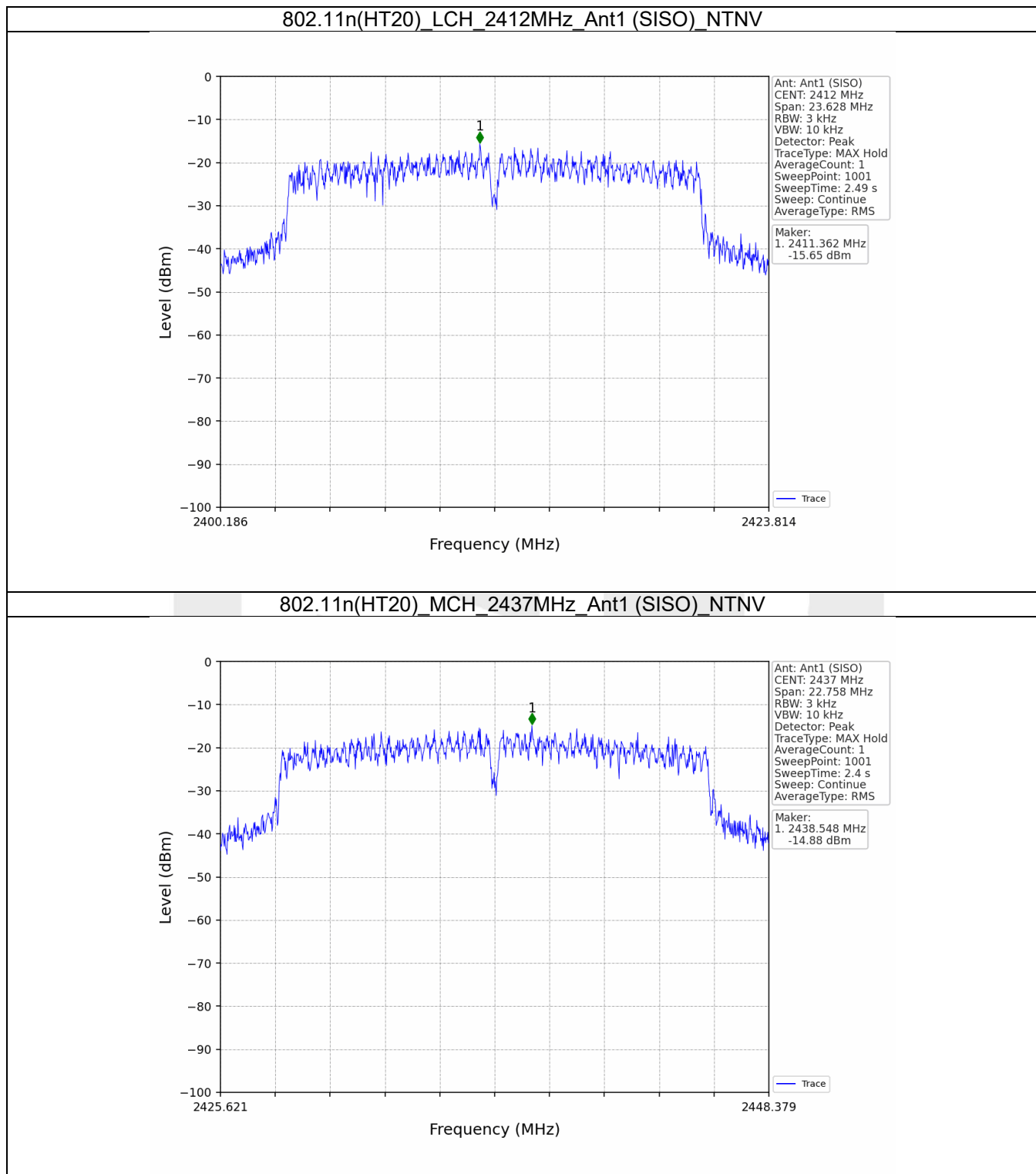
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-9.77	<=8	Pass
		2437	/	/	-8.89	<=8	Pass
		2462	/	/	-8.41	<=8	Pass
802.11g	SISO	2412	/	/	-14.39	<=8	Pass
		2437	/	/	-14.36	<=8	Pass
		2462	/	/	-13.56	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-15.65	<=8	Pass
		2437	/	/	-14.88	<=8	Pass
		2462	/	/	-14.00	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-17.51	<=8	Pass
		2437	/	/	-18.31	<=8	Pass
		2452	/	/	-17.80	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	-20.53	<=8	Pass
		2437	RU242	Left	-20.20	<=8	Pass
		2462	RU242	Left	-21.63	<=8	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	-24.21	<=8	Pass
		2437	RU484	Left	-25.14	<=8	Pass
		2452	RU484	Left	-24.01	<=8	Pass

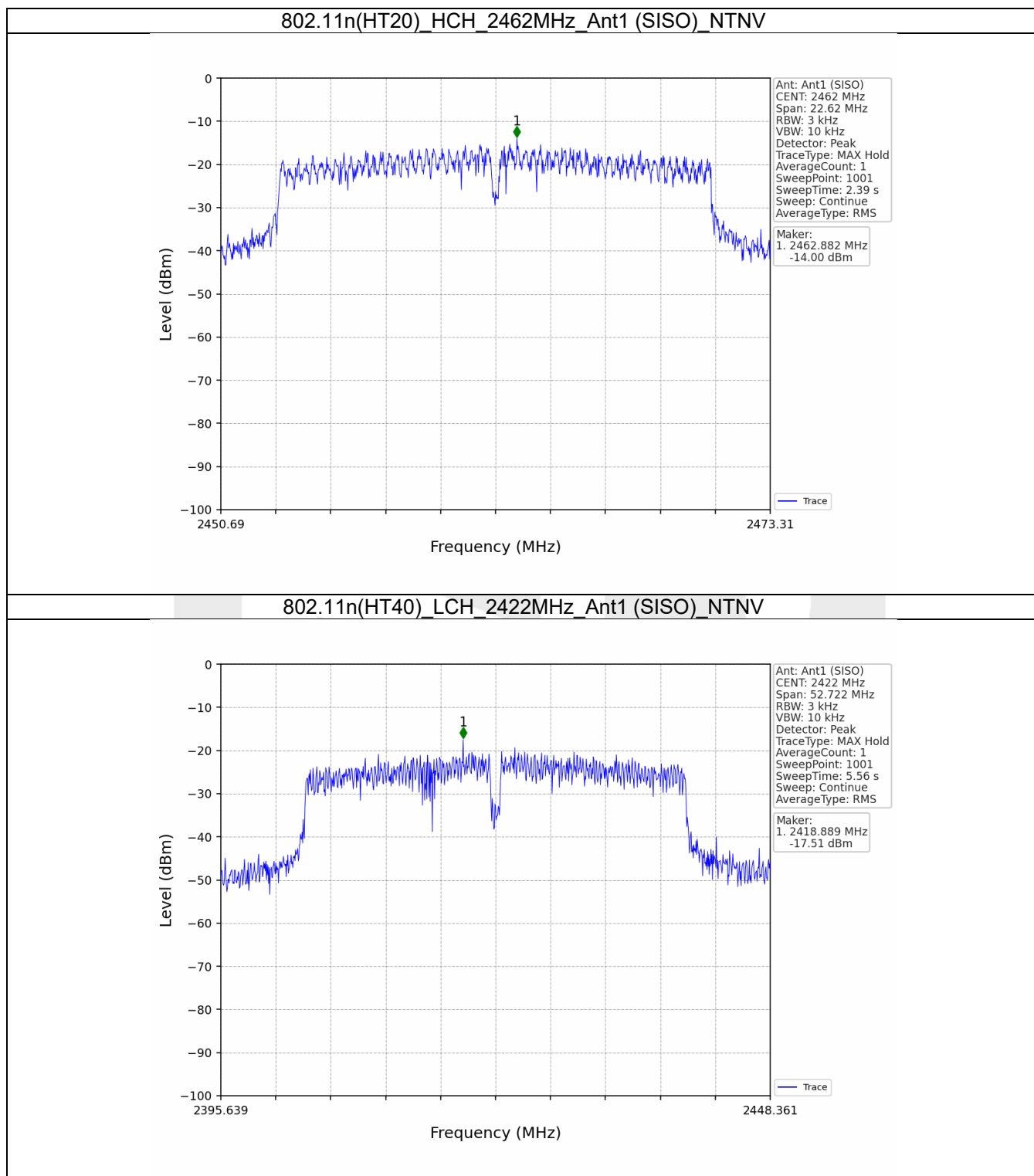
4.1.2 Test Graph

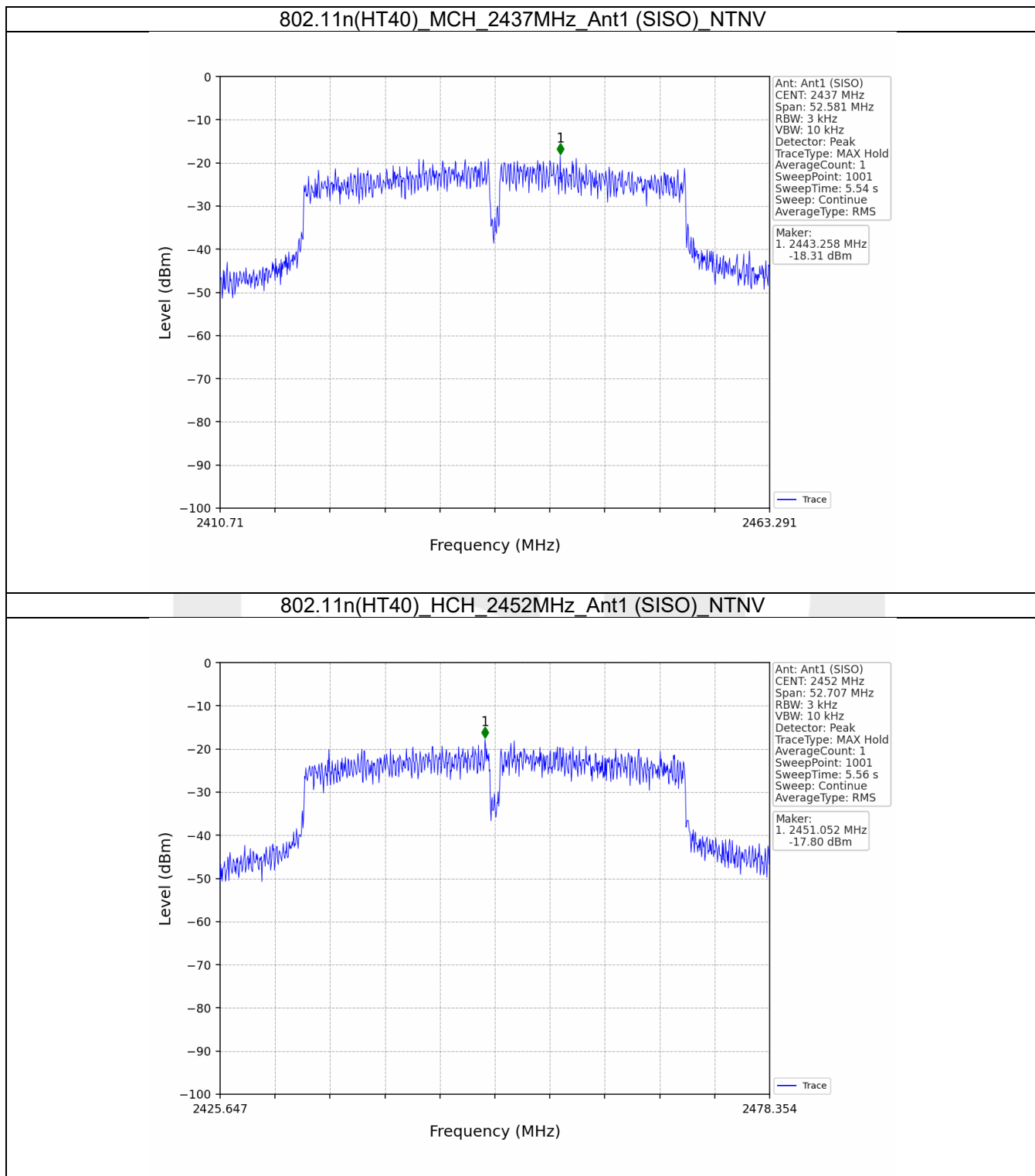


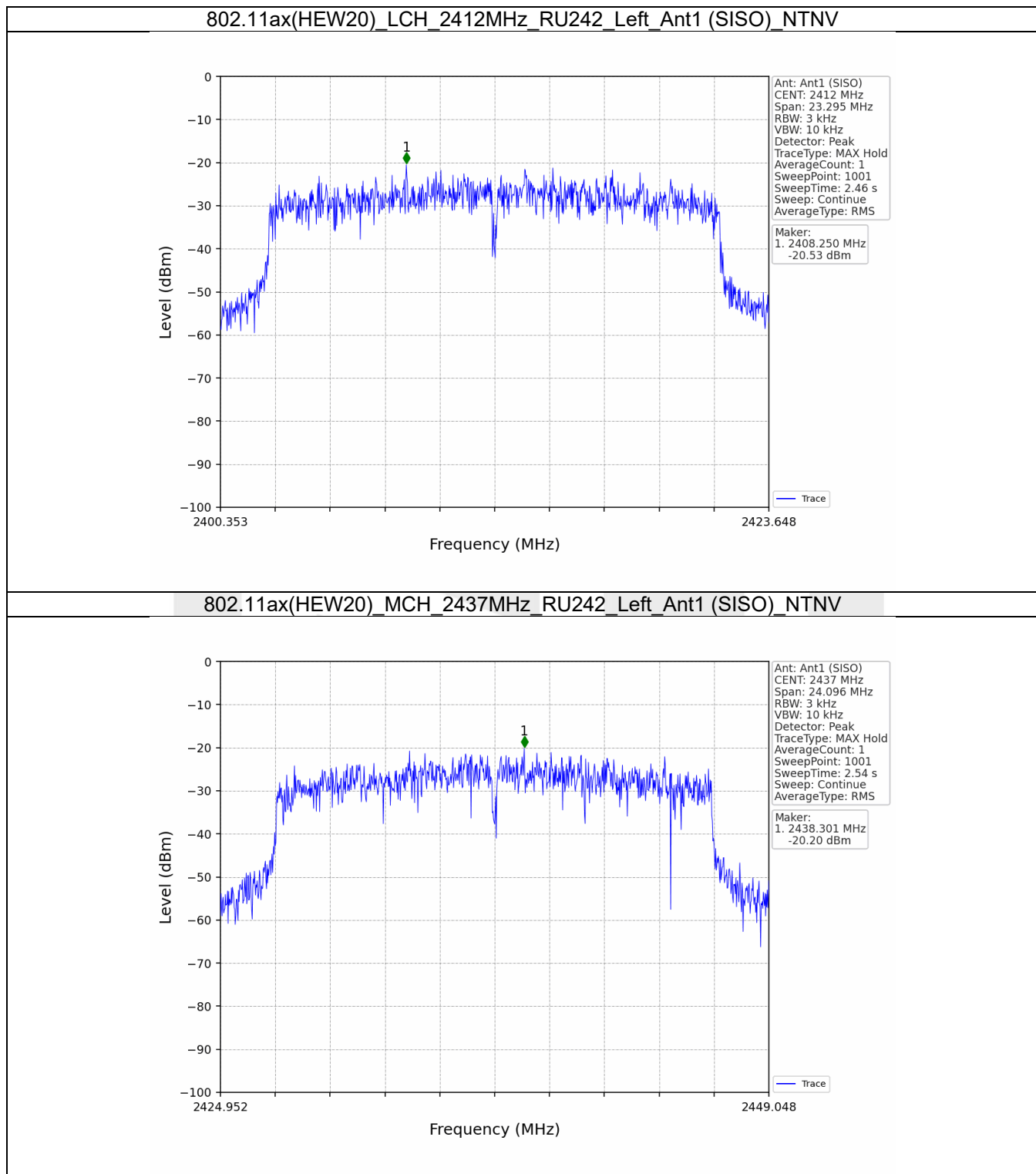


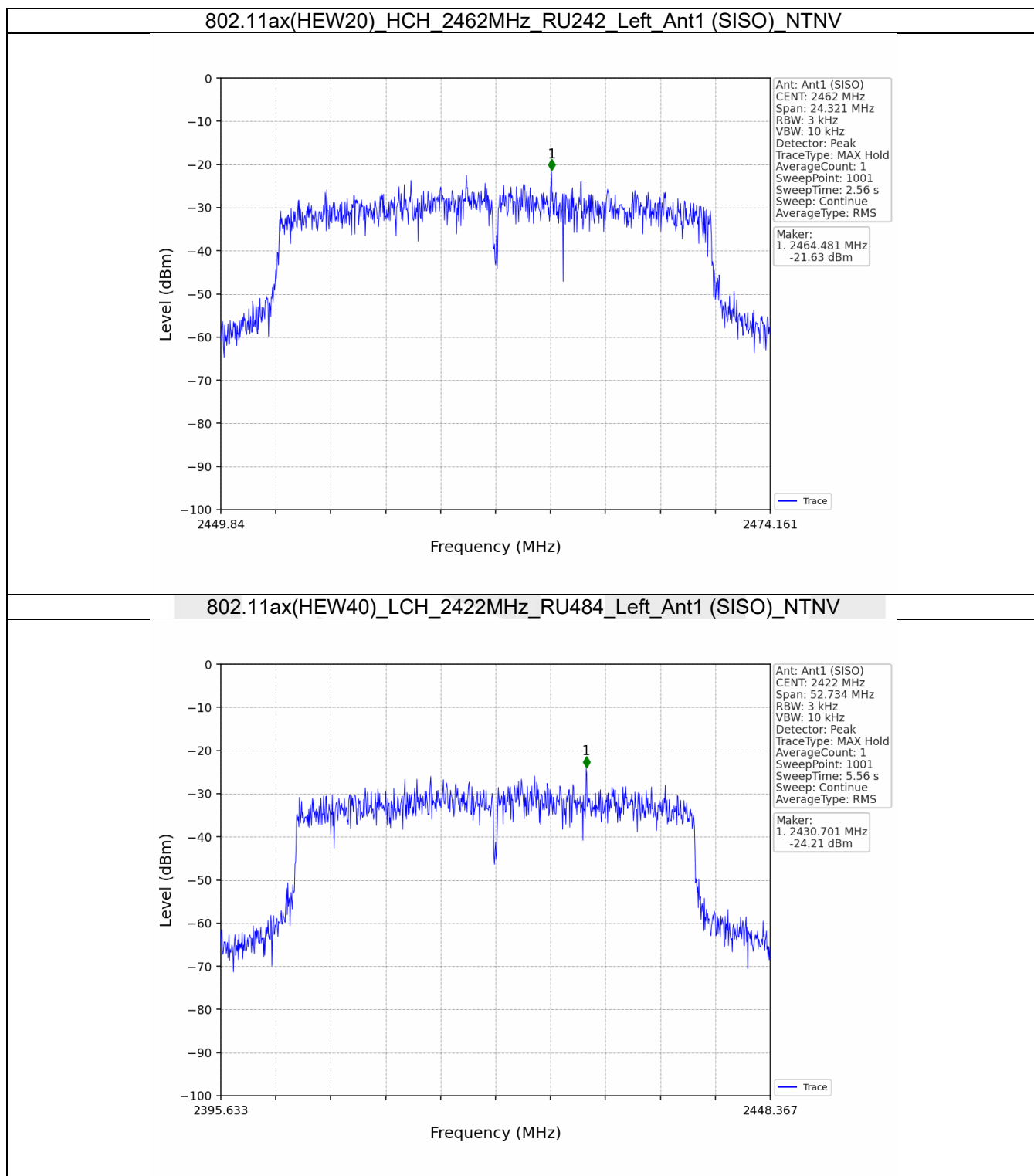


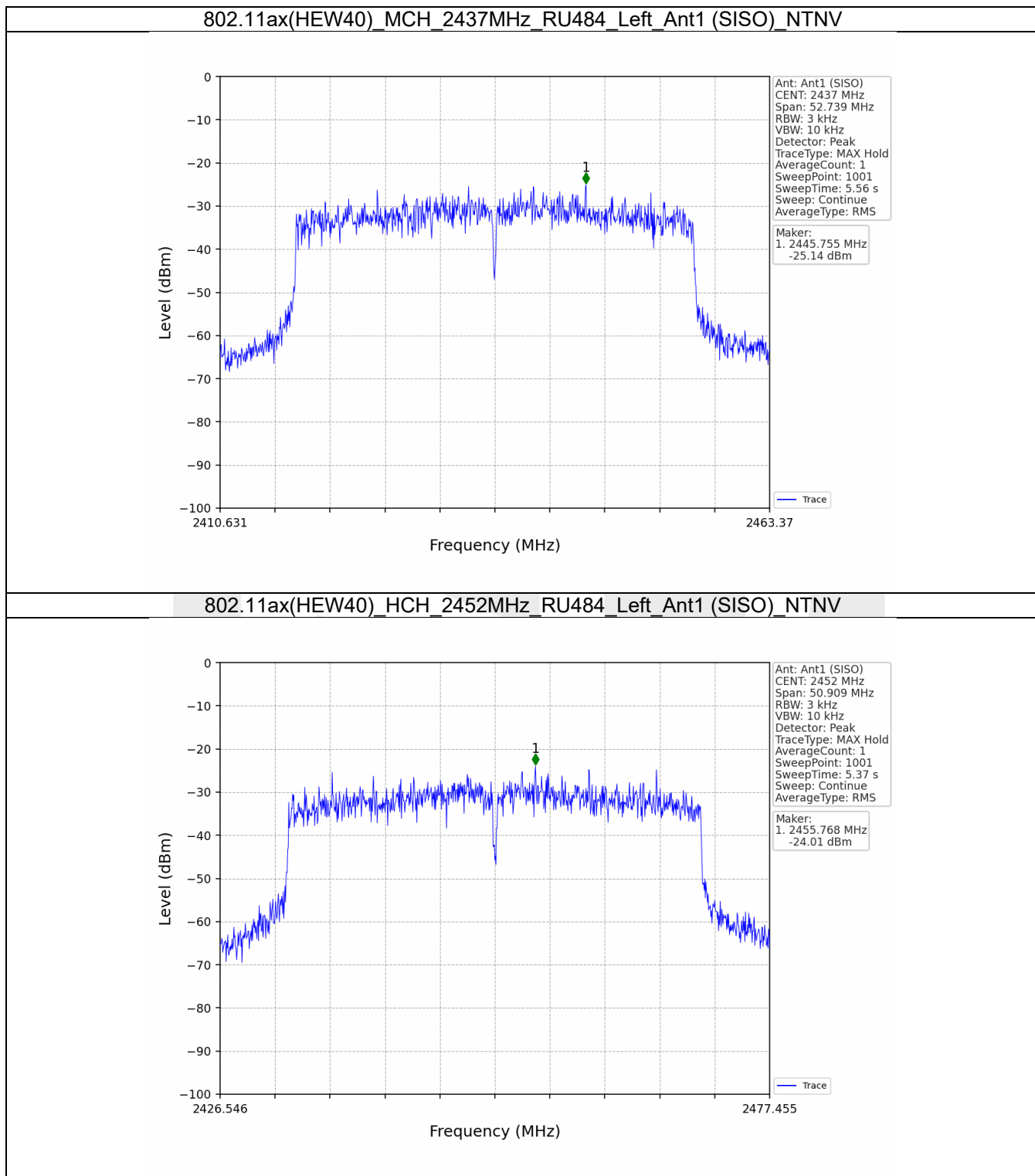












5. Unwanted Emissions In Non-restricted Frequency Bands

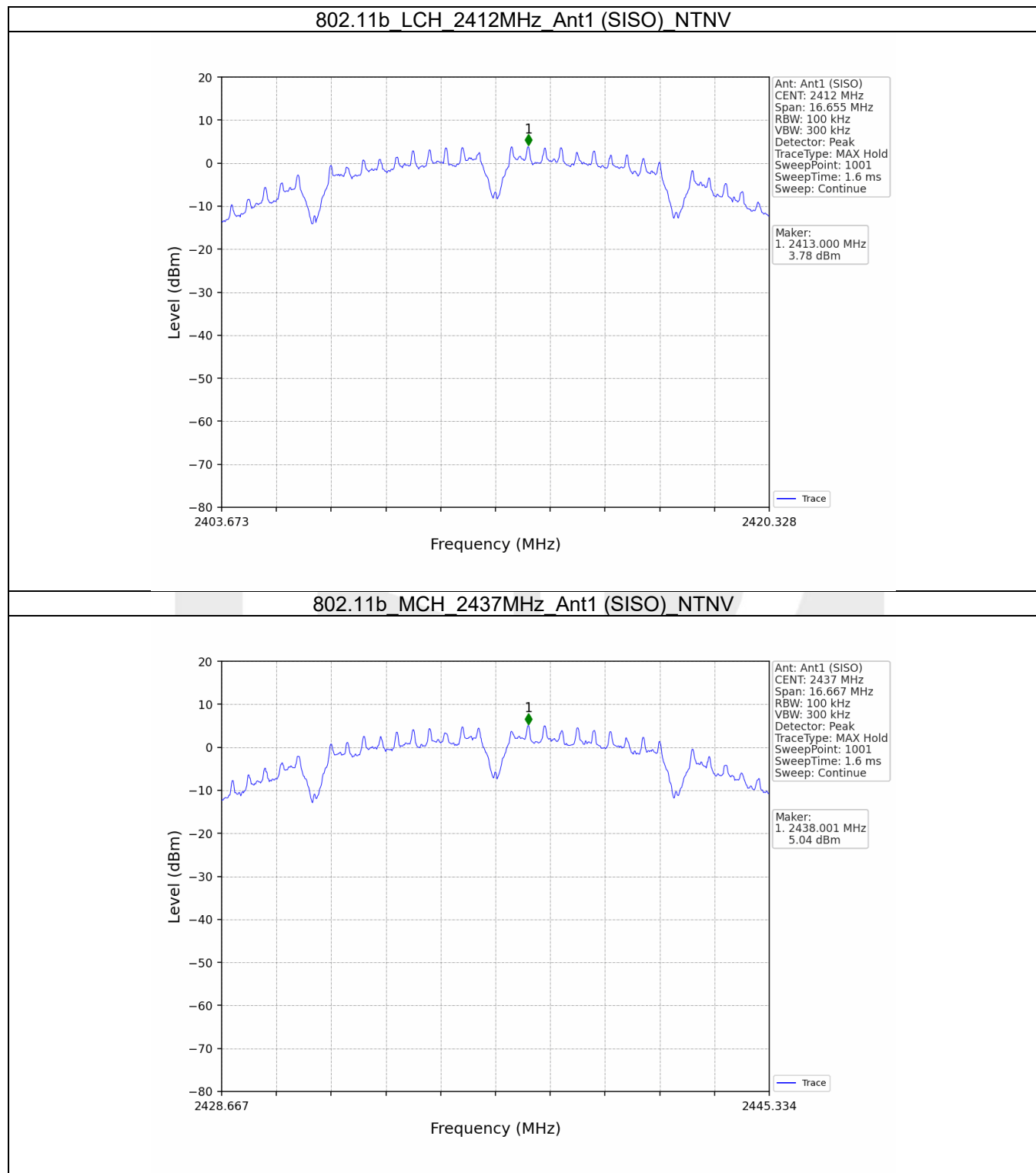
5.1 Ref

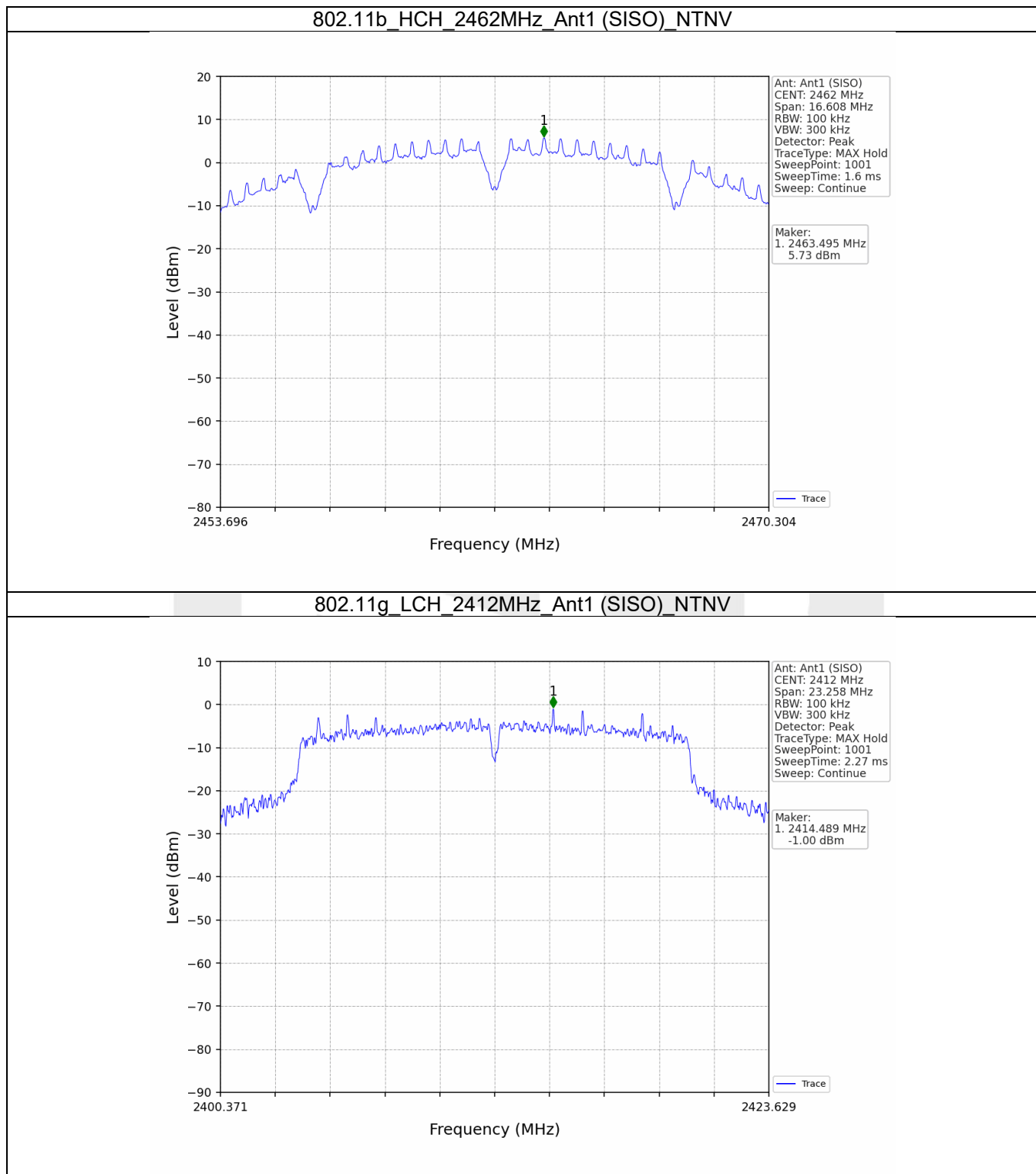
5.1.1 Test Result

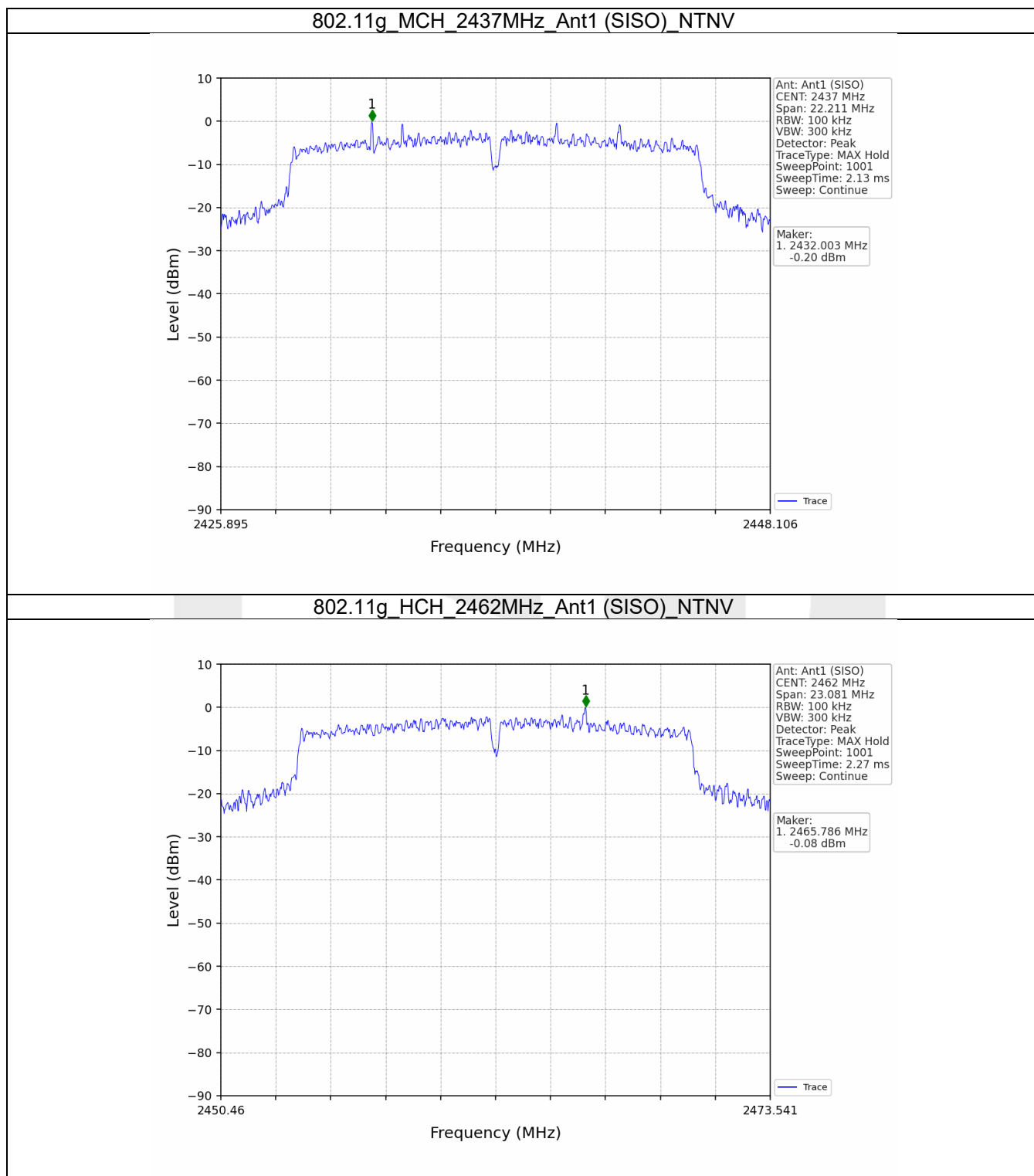
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	3.78
		2437	/	/	1	5.04
		2462	/	/	1	5.73
802.11g	SISO	2412	/	/	1	-1.00
		2437	/	/	1	-0.20
		2462	/	/	1	-0.08
802.11n (HT20)	SISO	2412	/	/	1	-1.52
		2437	/	/	1	-0.45
		2462	/	/	1	0.44
802.11n (HT40)	SISO	2422	/	/	1	-4.71
		2437	/	/	1	-3.11
		2452	/	/	1	-3.42
802.11ax (HEW20)	SISO	2412	RU242	Left	1	-4.23
		2437	RU242	Left	1	-2.65
		2462	RU242	Left	1	-5.86
802.11ax (HEW40)	SISO	2422	RU484	Left	1	-7.24
		2437	RU484	Left	1	-6.68
		2452	RU484	Left	1	-6.13

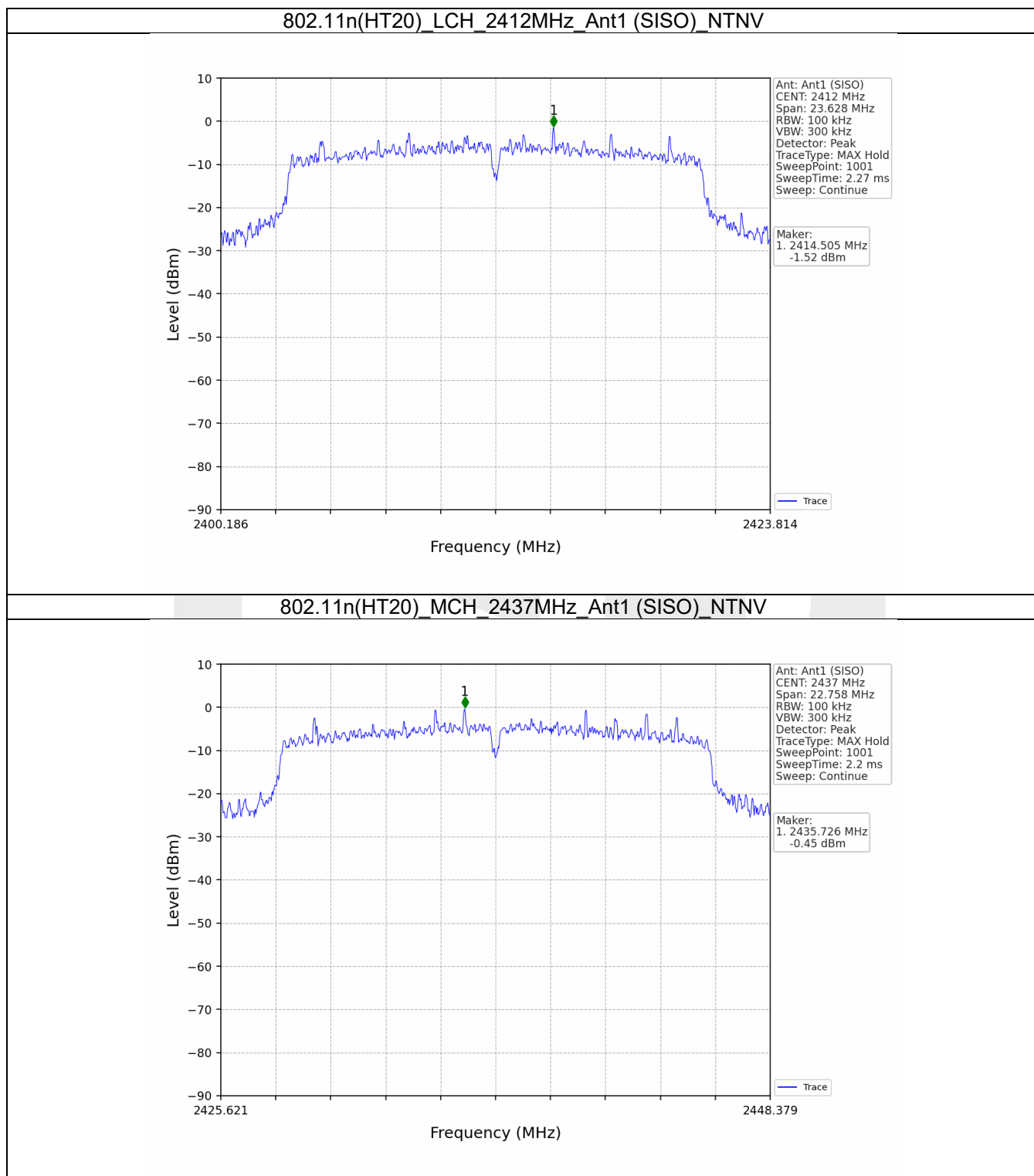
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

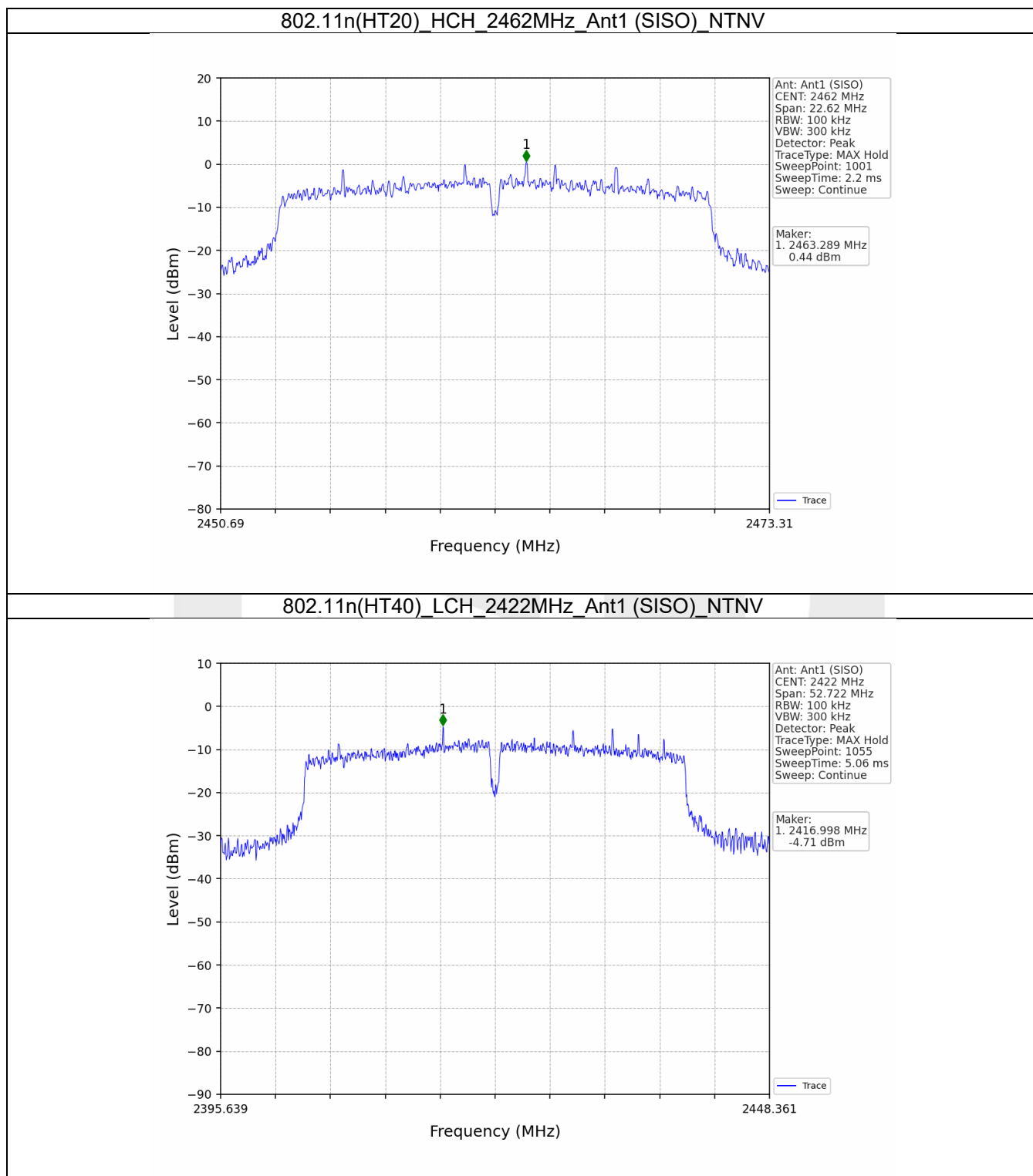
5.1.2 Test Graph

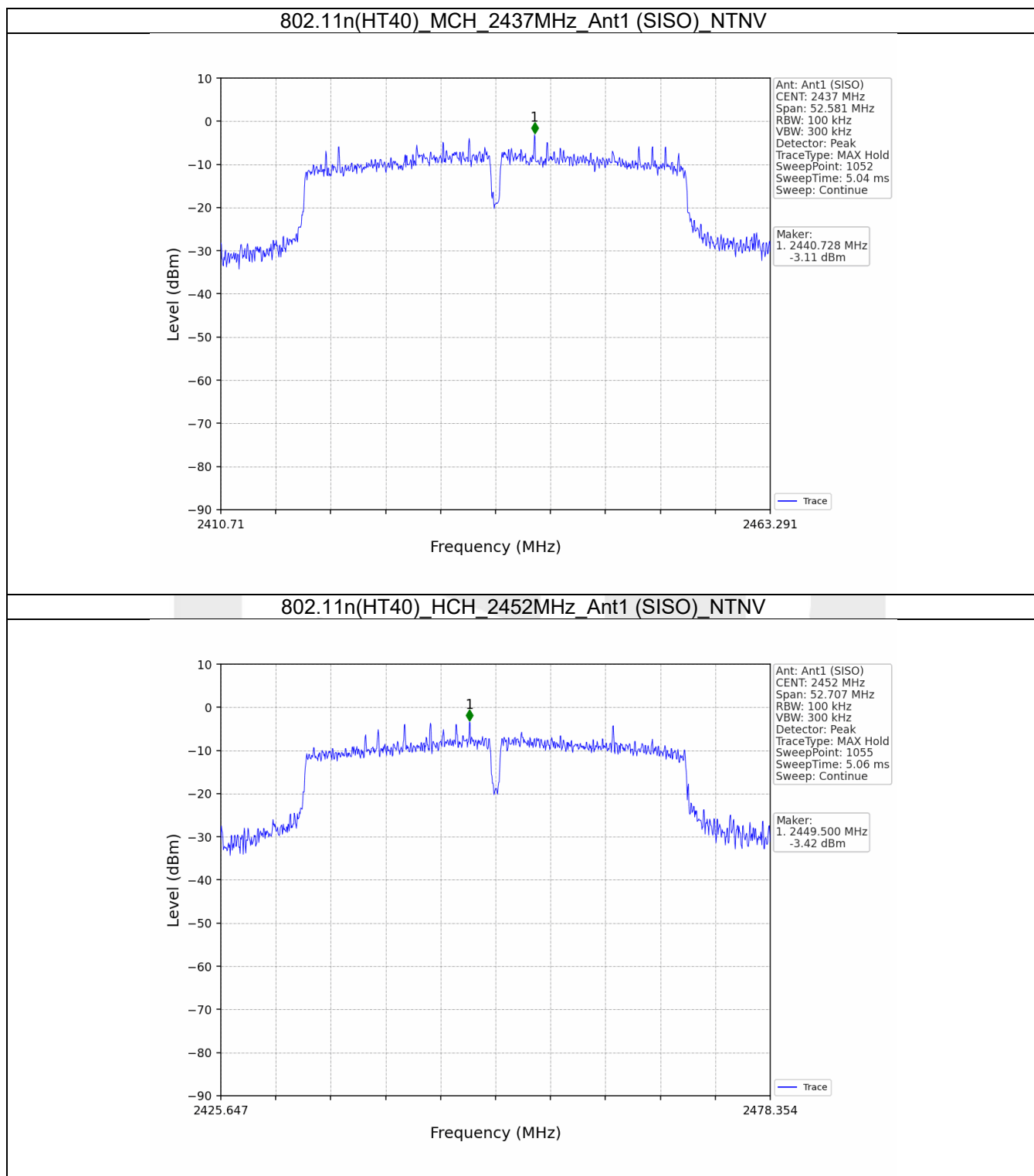


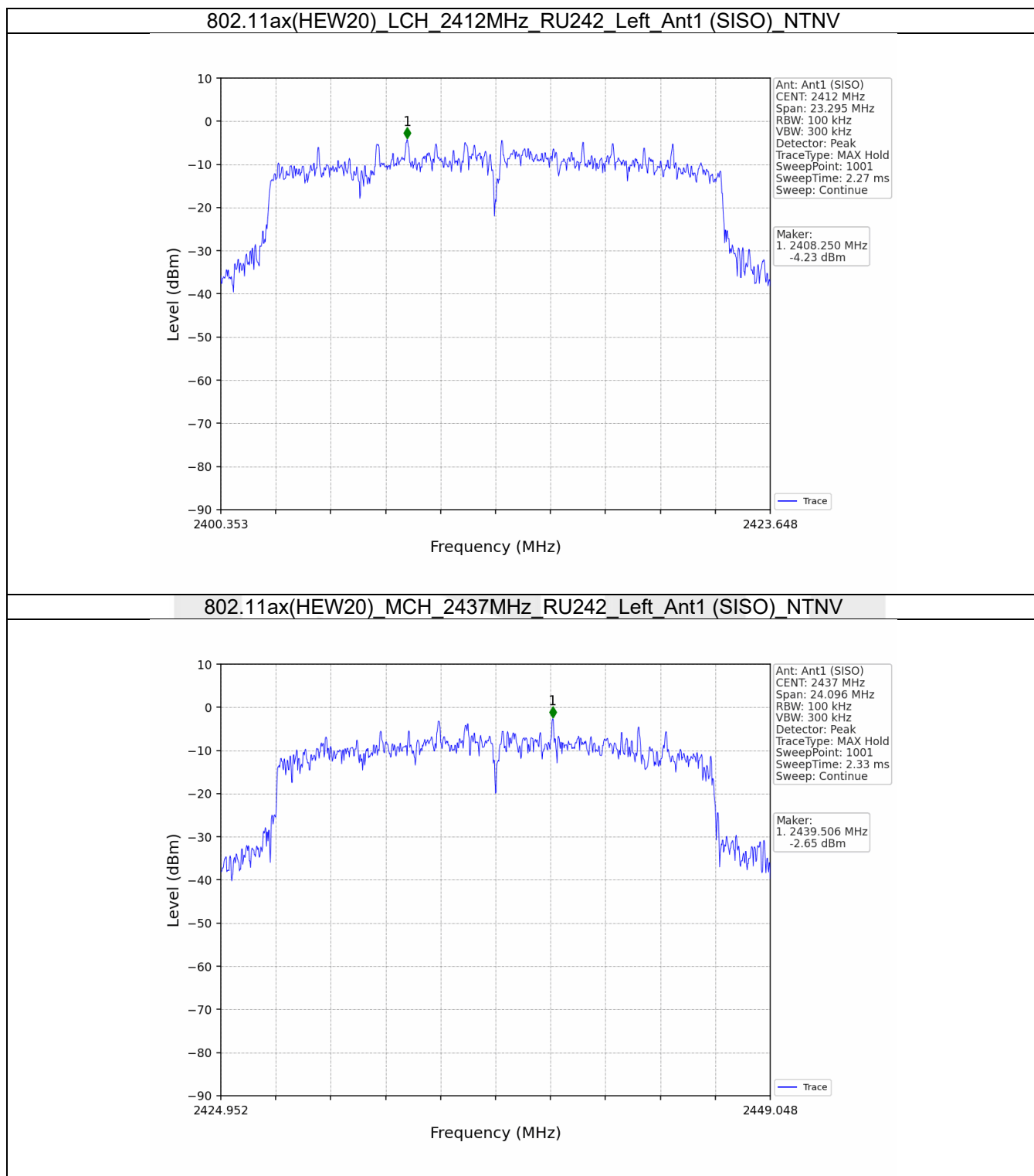


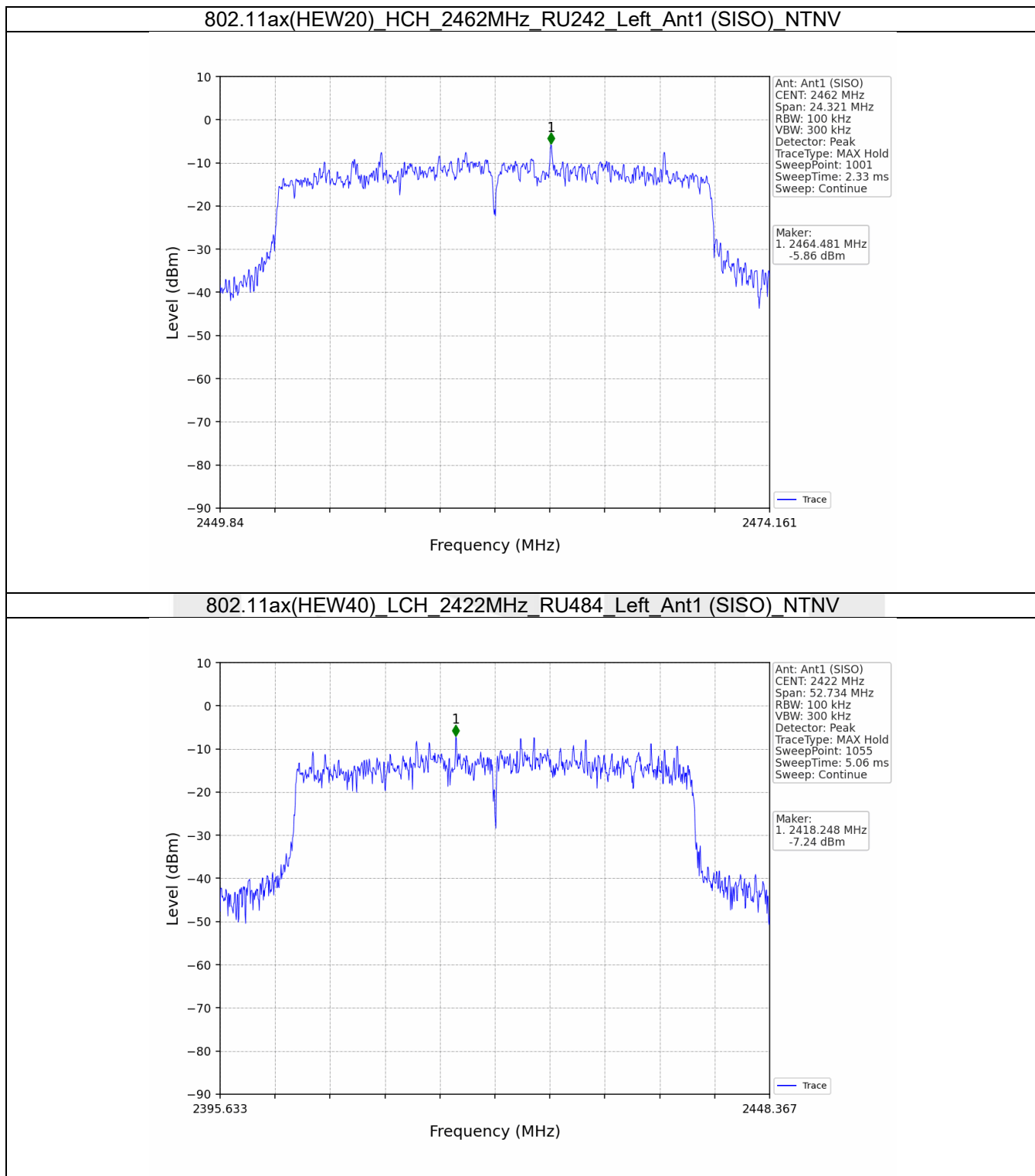


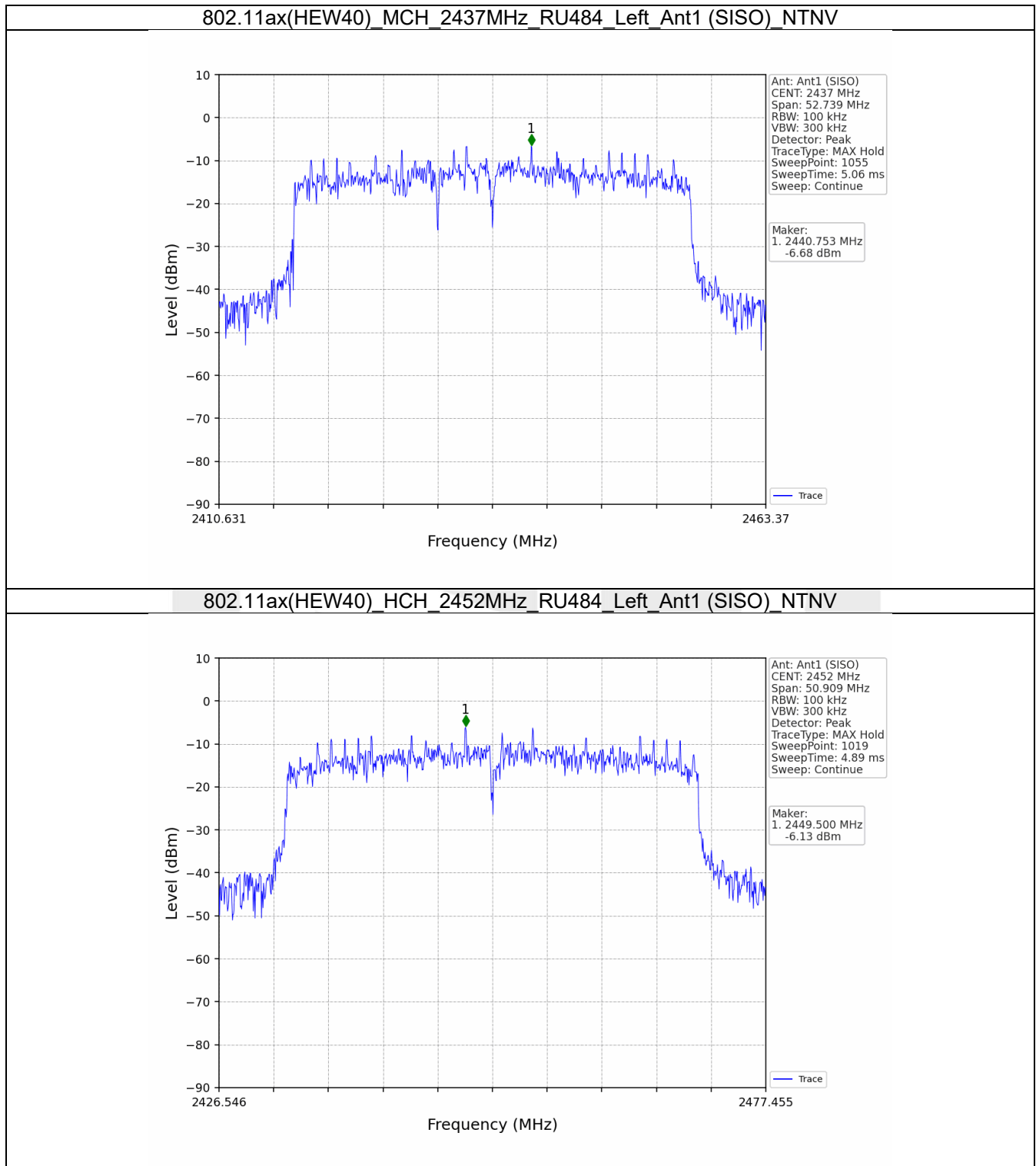










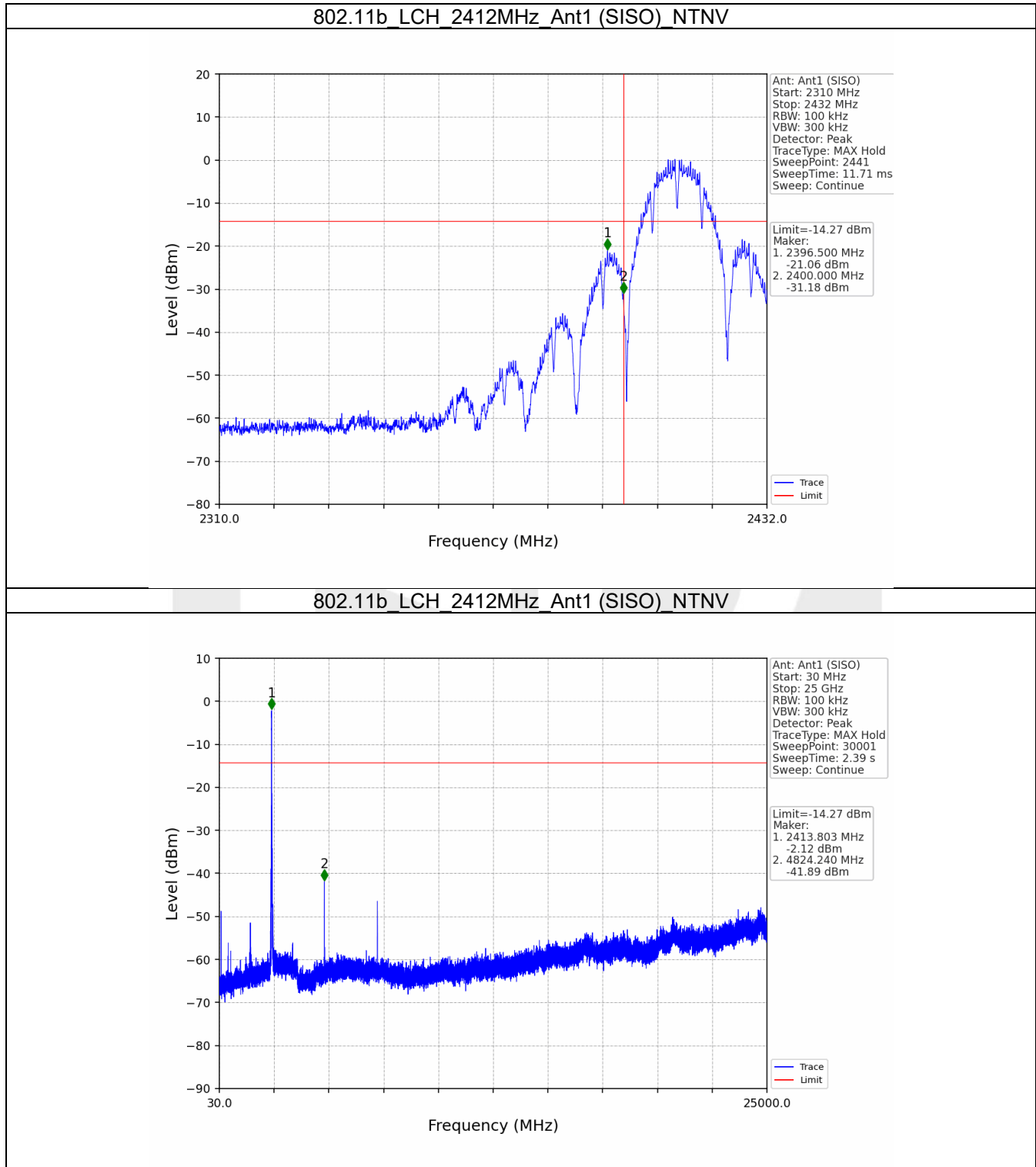


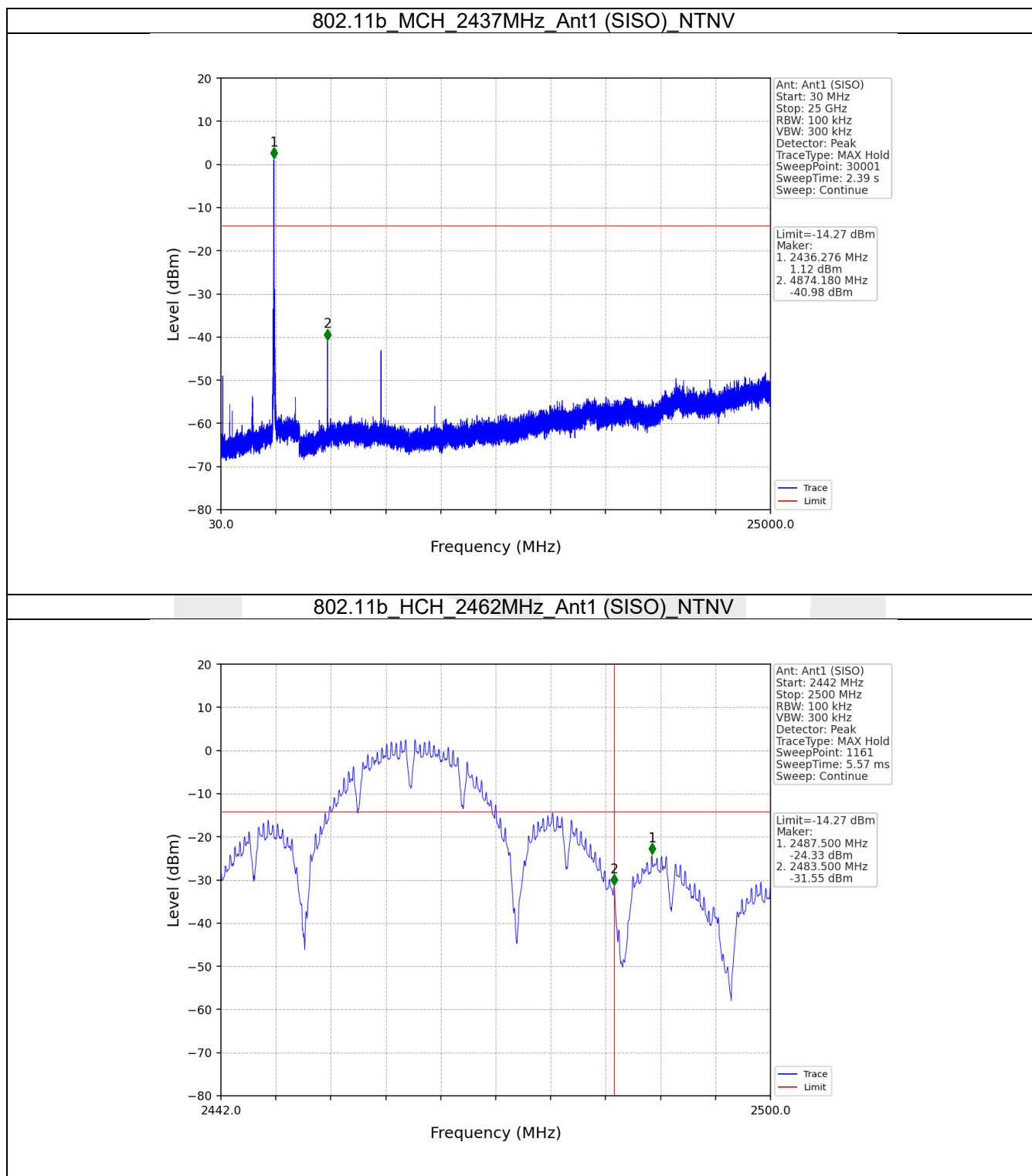
5.2 CSE

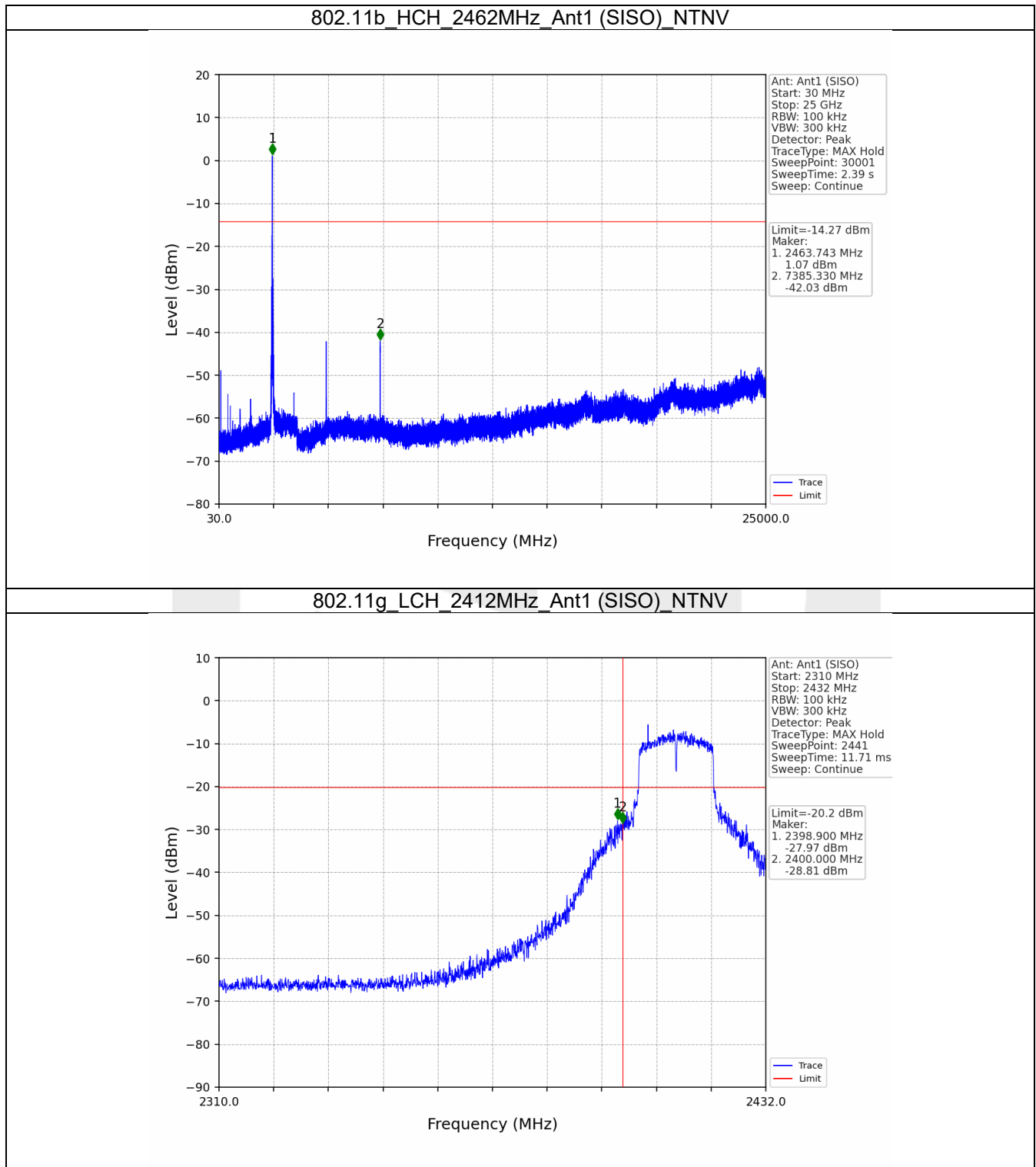
5.2.1 Test Result

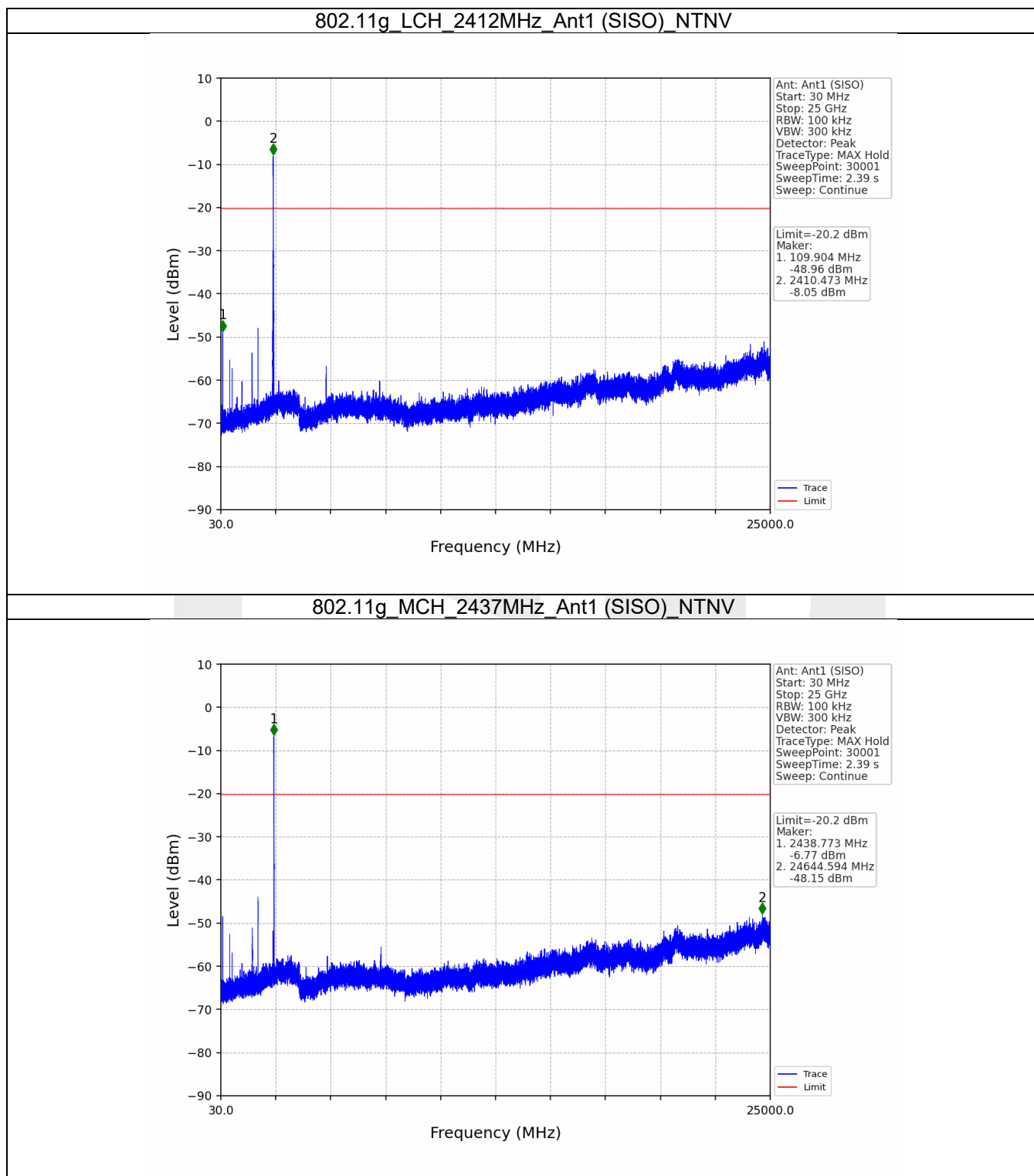
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	5.73	-14.27	Pass
		2437	/	/	1	5.73	-14.27	Pass
		2462	/	/	1	5.73	-14.27	Pass
802.11g	SISO	2412	/	/	1	-0.20	-20.20	Pass
		2437	/	/	1	-0.20	-20.20	Pass
		2462	/	/	1	-0.20	-20.20	Pass
802.11n (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
802.11ax (HEW20)	SISO	2412	RU242	Left	1	-2.25	-22.25	Pass
		2437	RU242	Left	1	-2.25	-22.25	Pass
		2462	RU242	Left	1	-2.25	-22.25	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	-0.49	-20.49	Pass
		2437	RU484	Left	1	-0.49	-20.49	Pass
		2452	RU484	Left	1	-0.49	-20.49	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.								

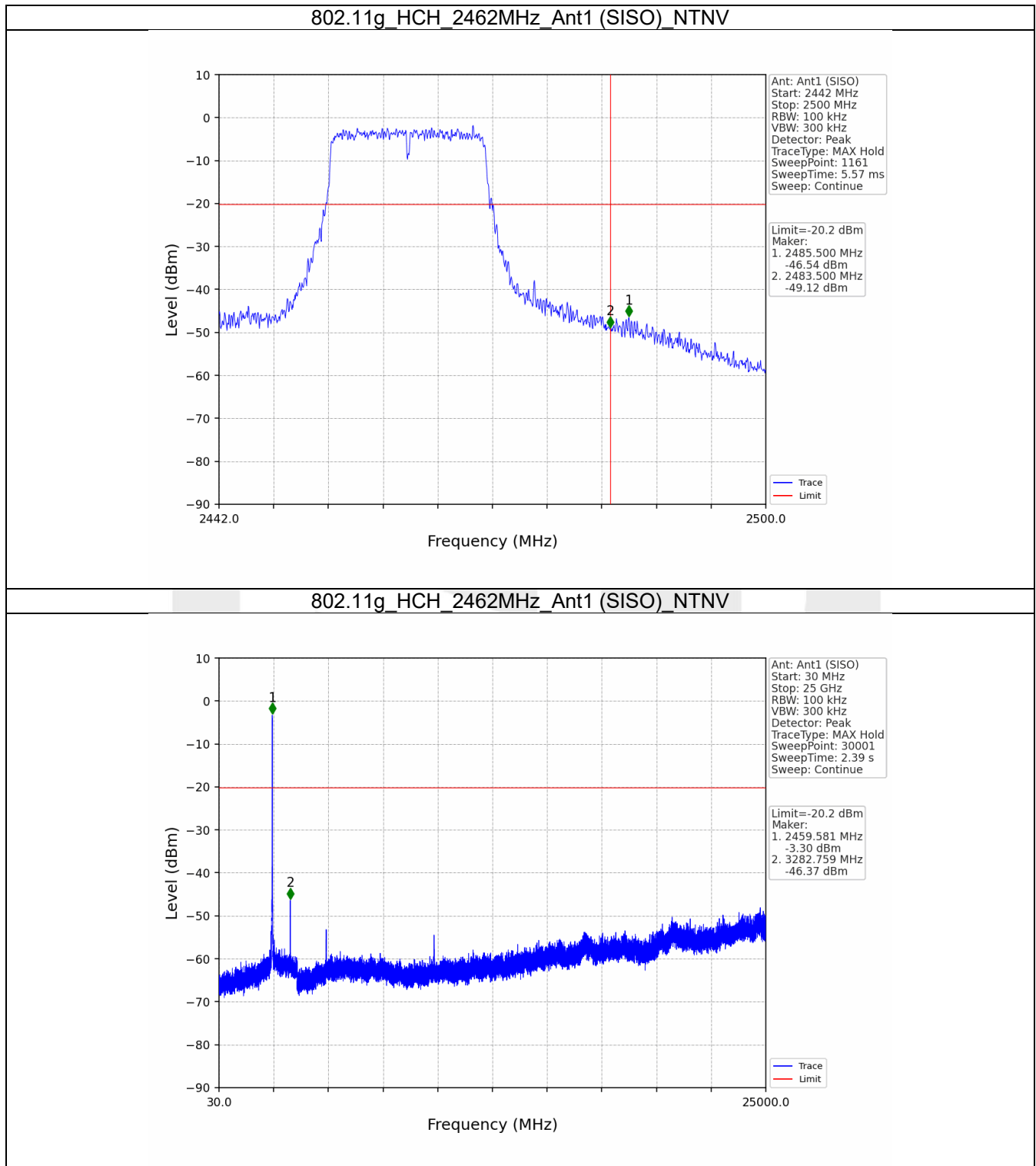
5.2.2 Test Graph

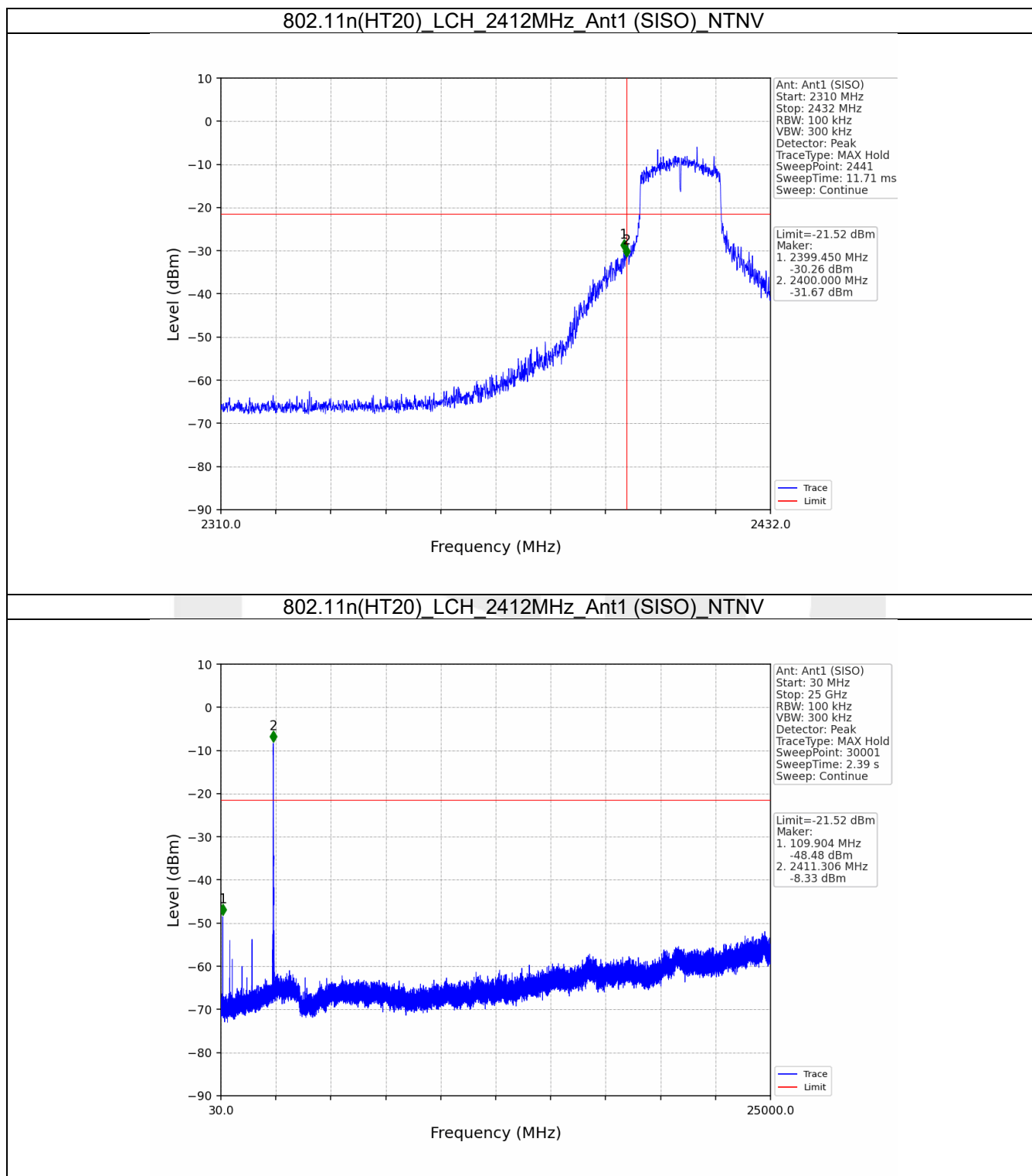


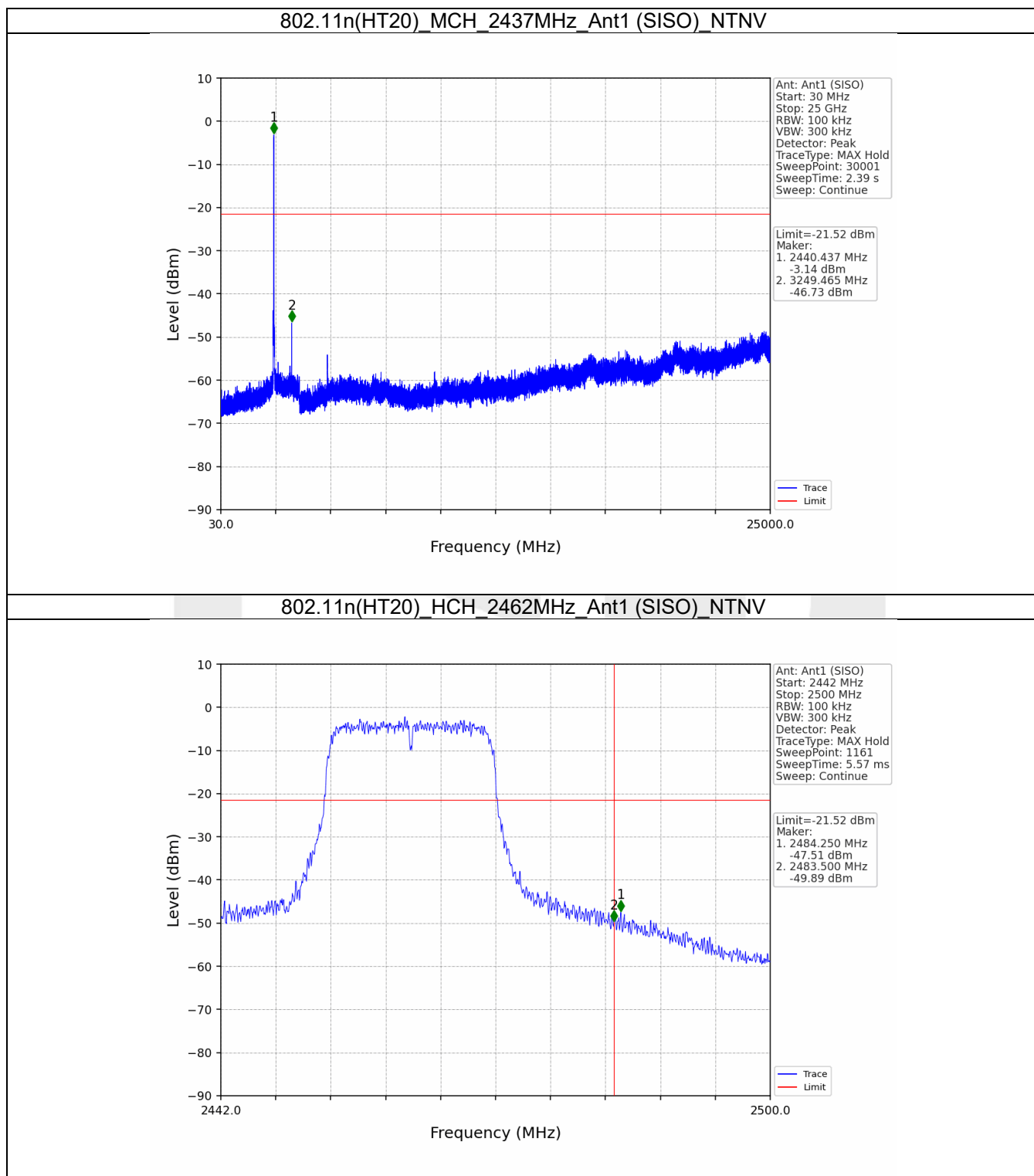


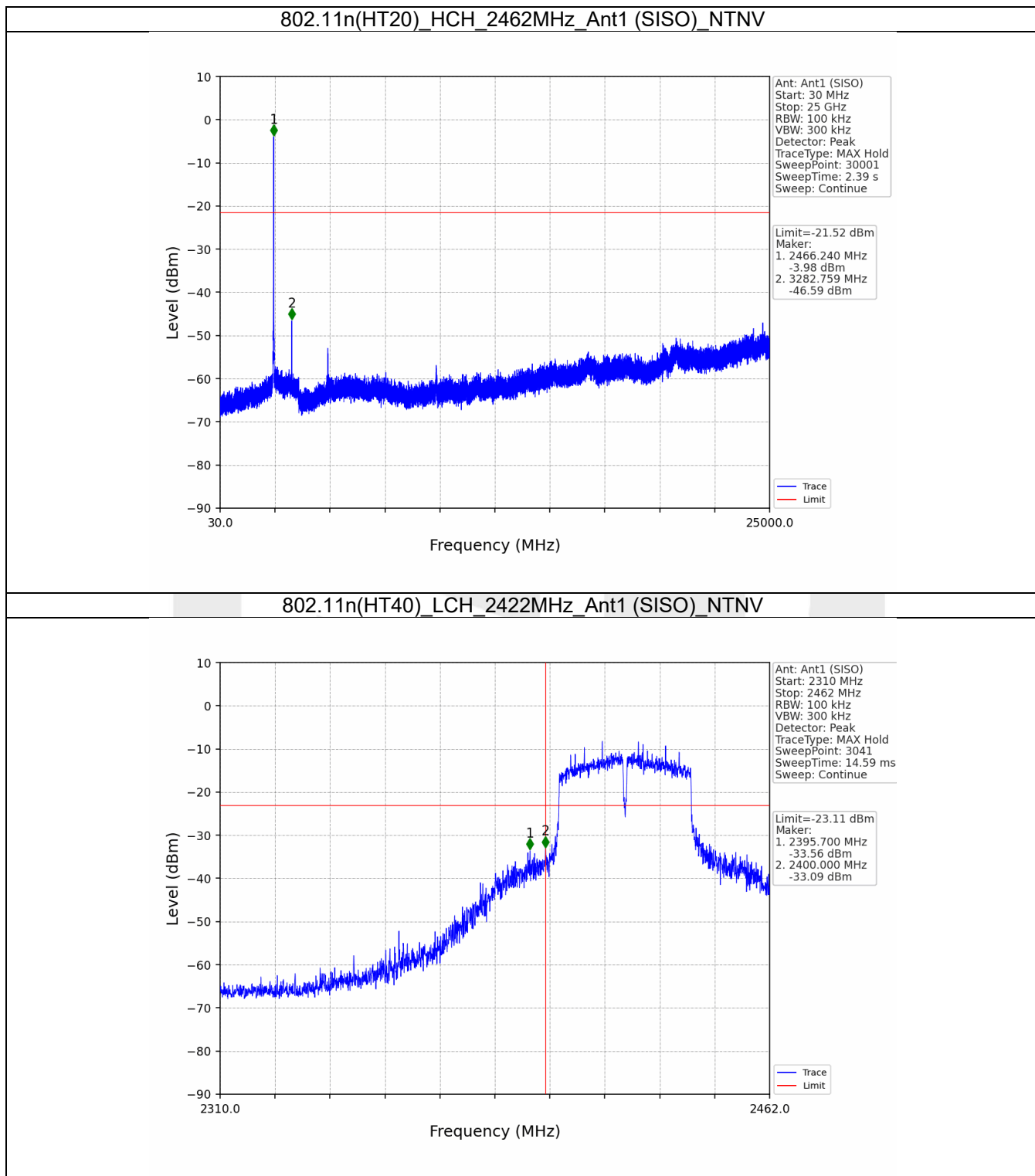


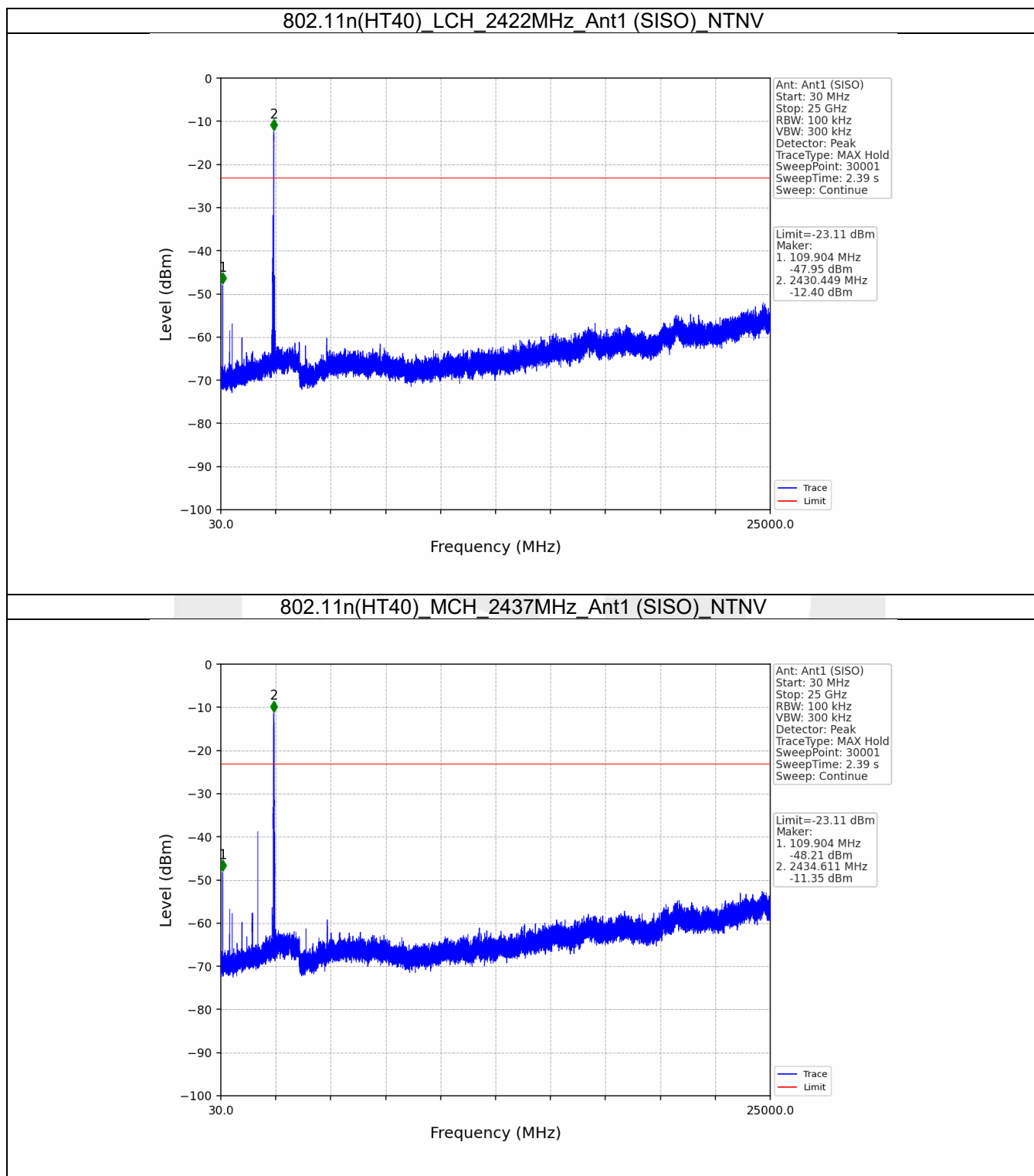


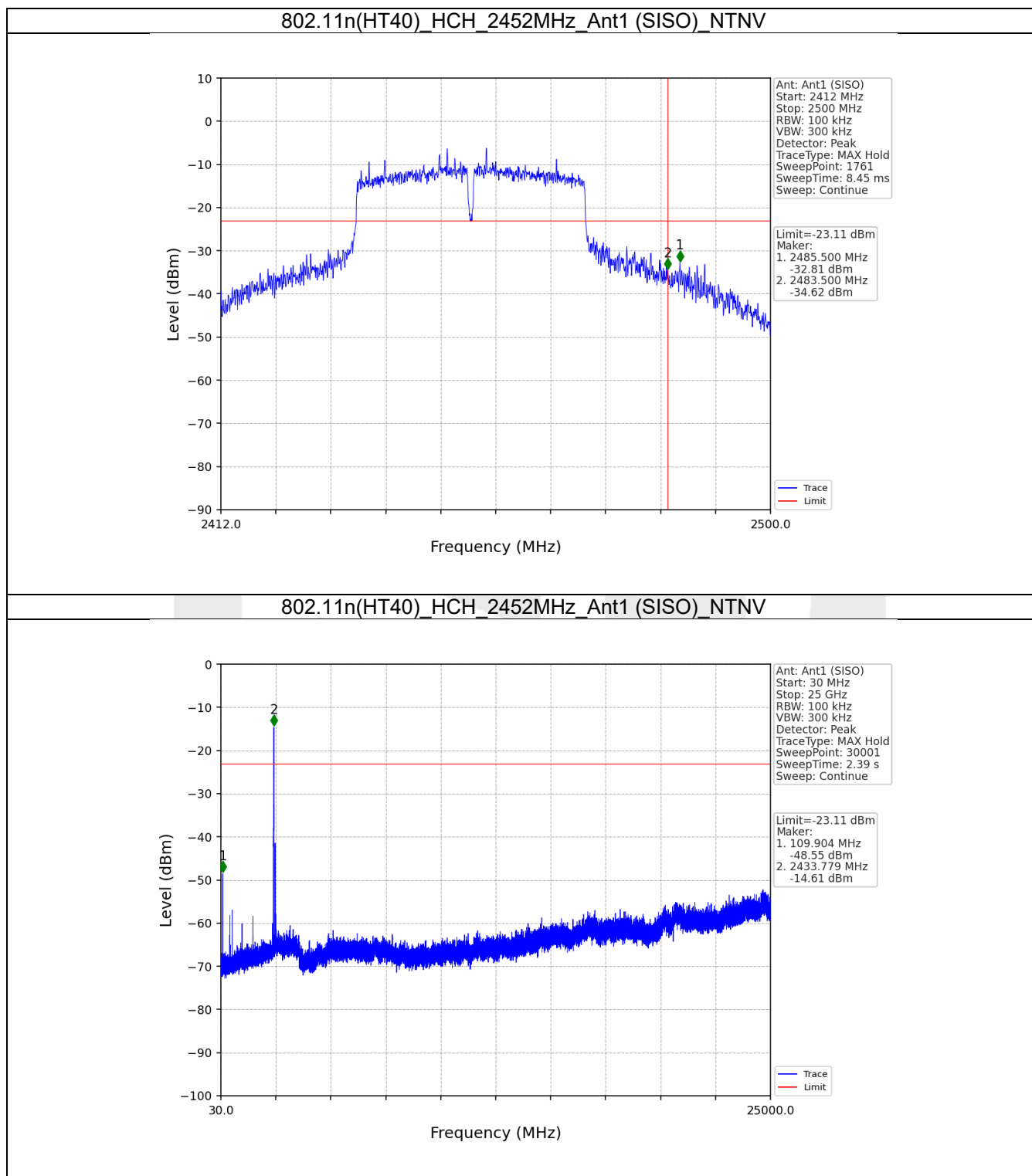


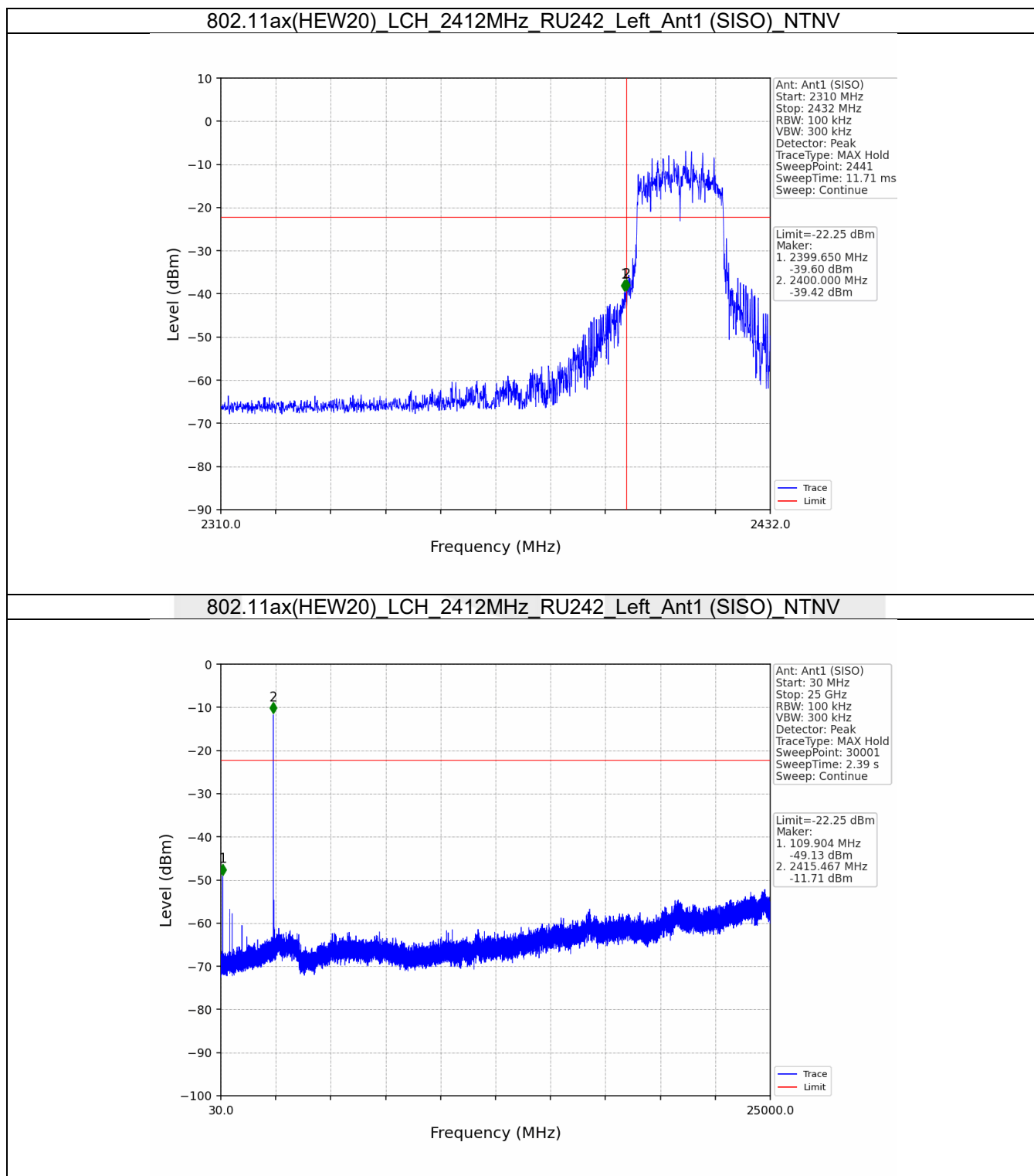


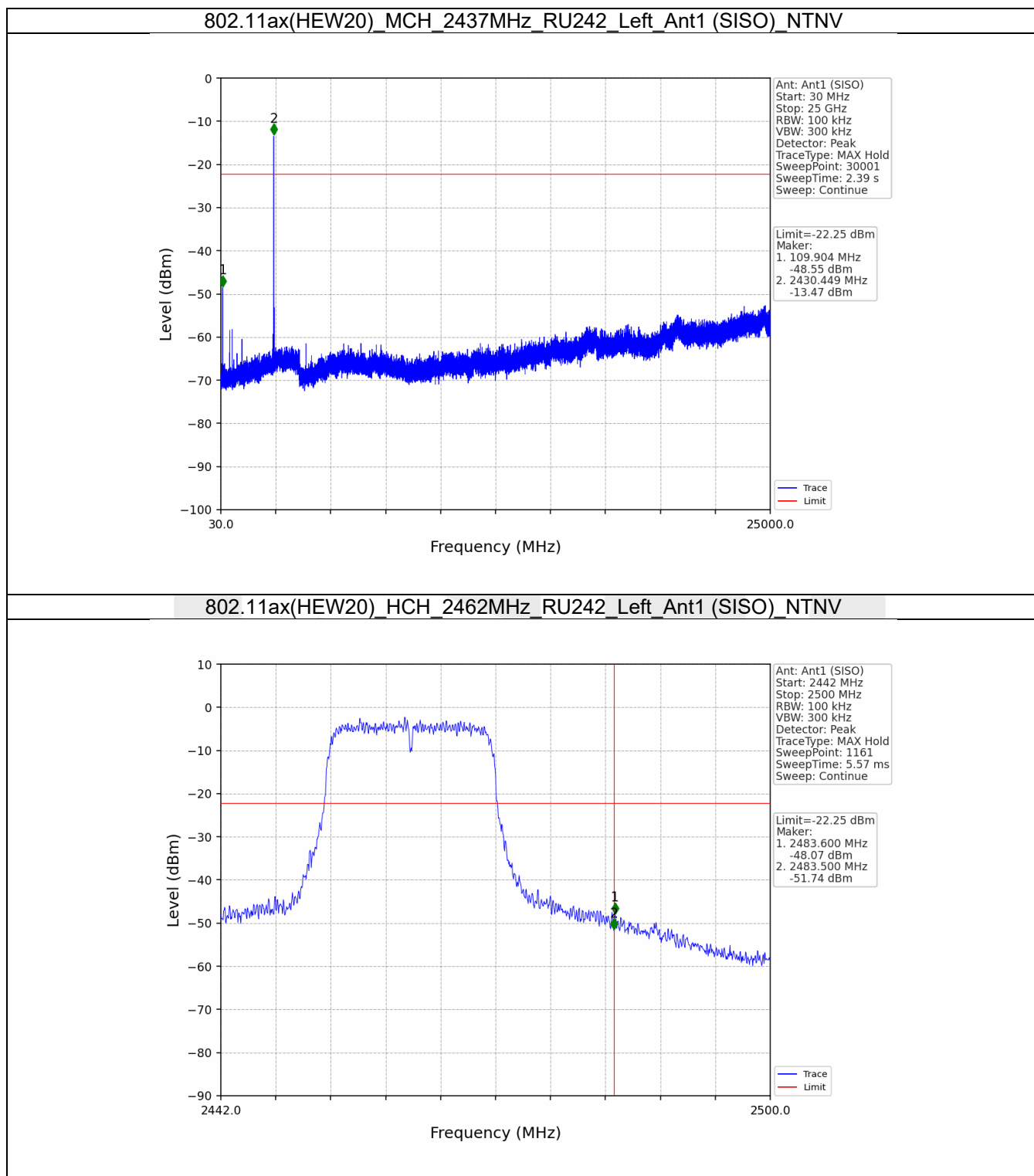




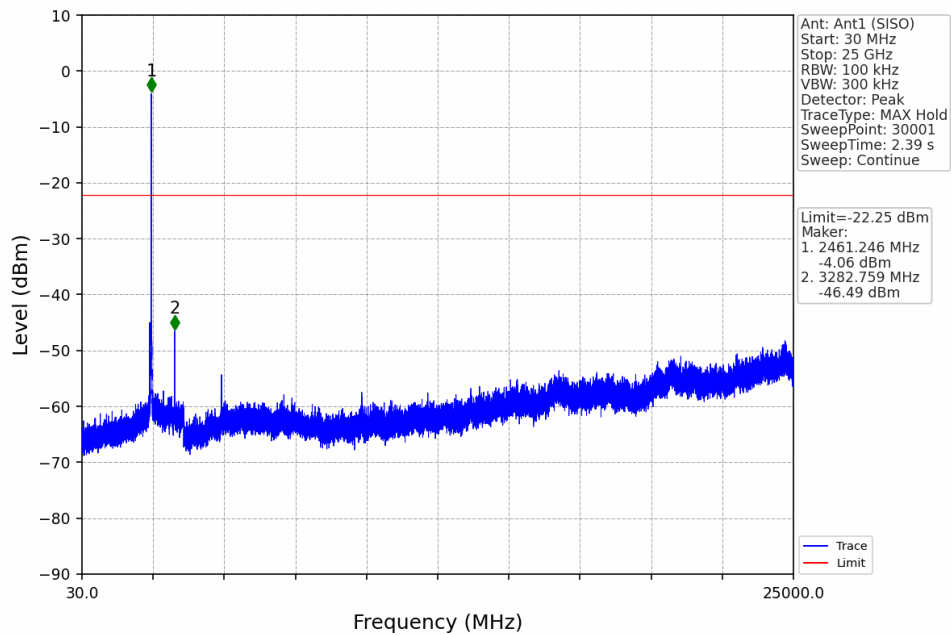




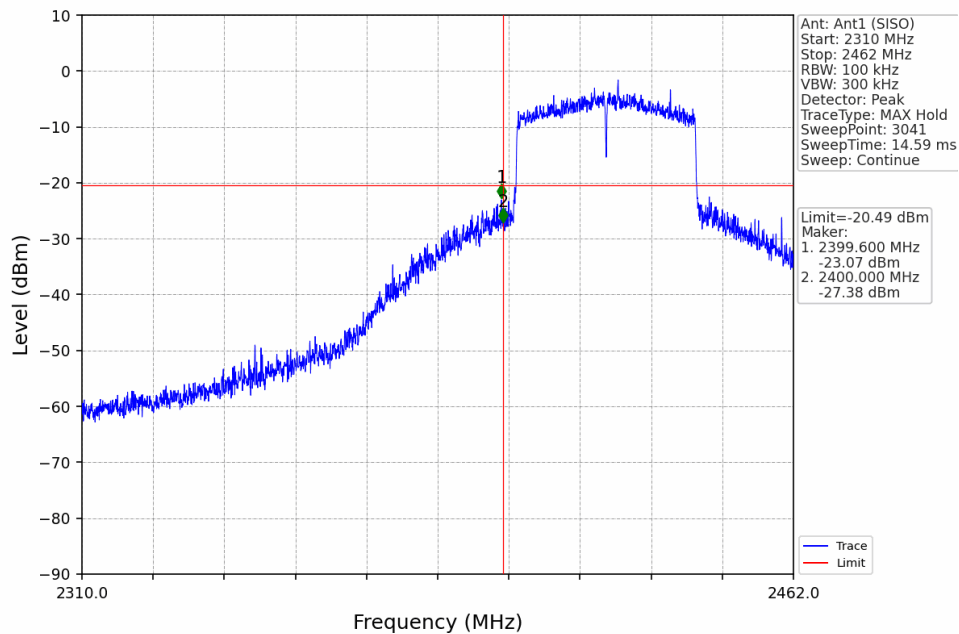




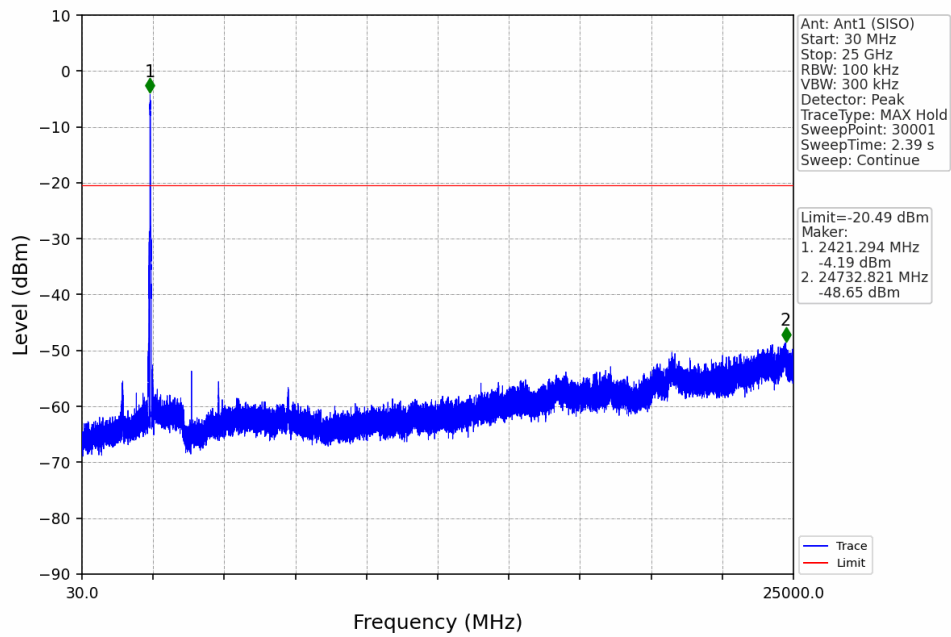
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



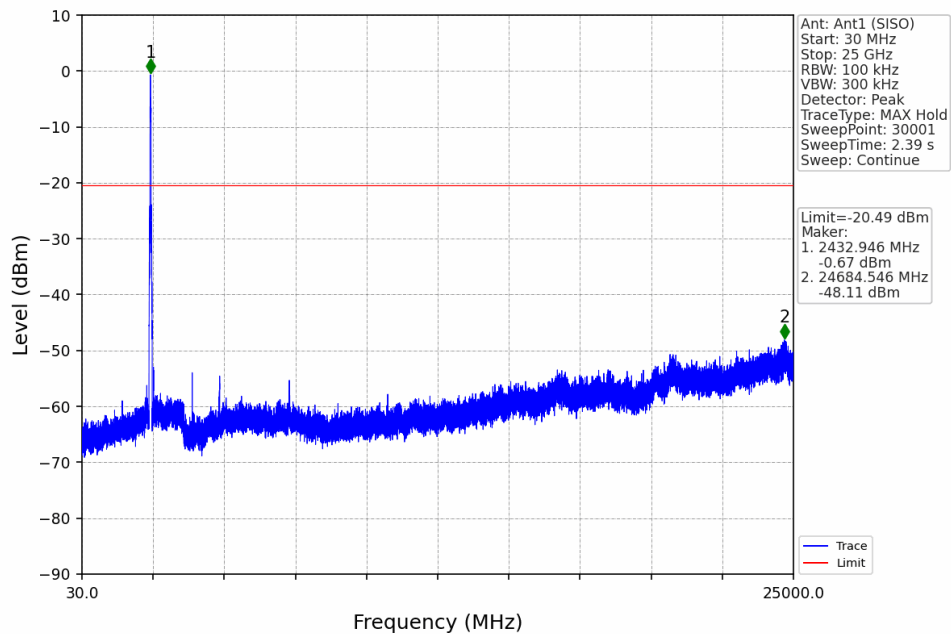
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV

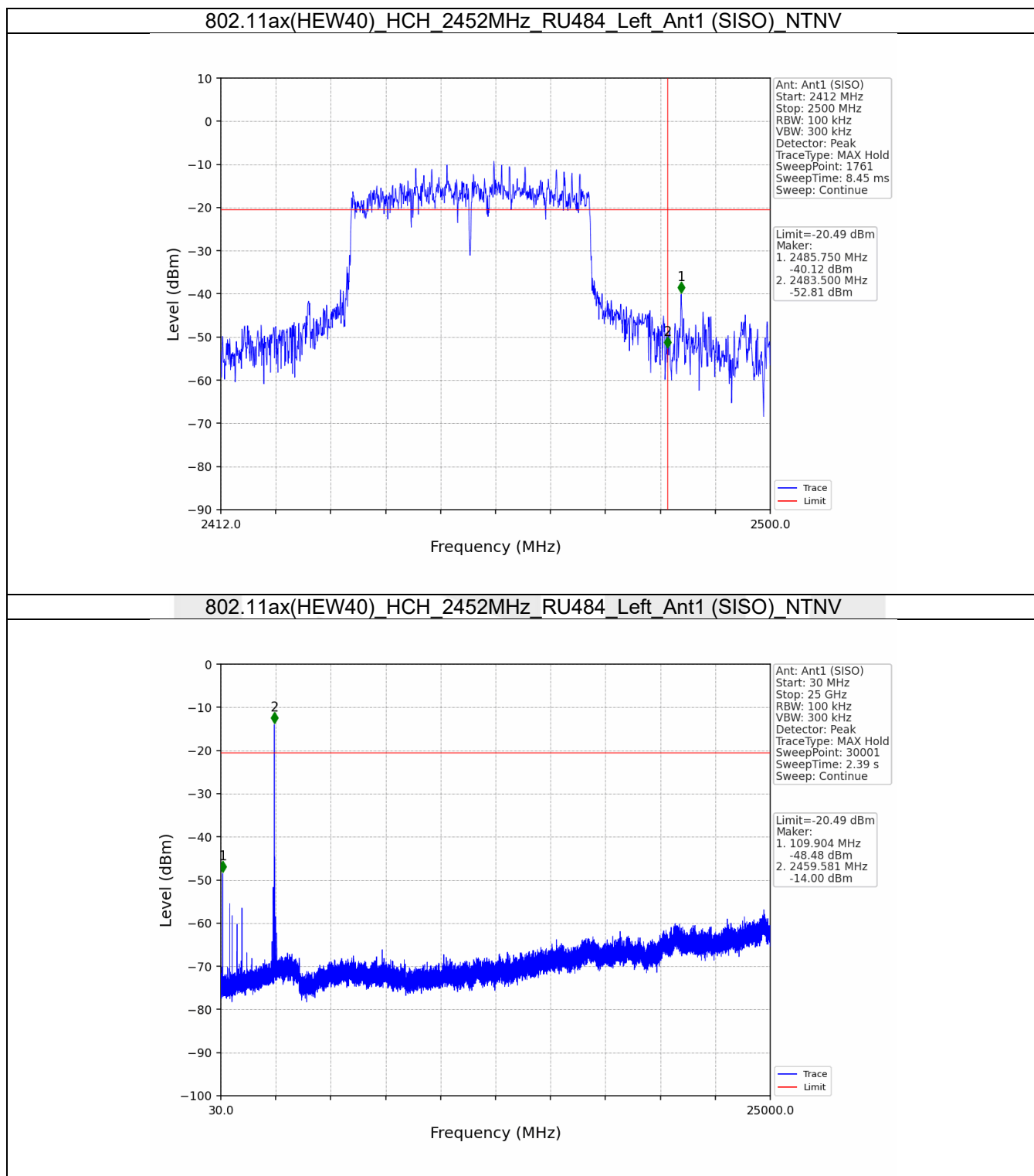


802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV





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