

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	12.210	12.310	99.19	0.04	0.05
		2437	12.210	12.307	99.21	0.03	0.03
		2462	12.210	12.310	99.19	0.04	0.05
802.11g	SISO	2412	2.030	2.065	98.31	0.07	0.03
		2437	2.030	2.065	98.31	0.07	0.03
		2462	2.030	2.065	98.31	0.07	0.03
802.11n (HT20)	MIMO	2412	1.889	1.925	98.13	0.08	0.03
		2437	1.890	1.926	98.13	0.08	0.03
		2462	1.890	1.925	98.18	0.08	0.03
802.11n (HT40)	MIMO	2422	0.930	0.979	94.99	0.22	0.00
		2437	0.930	0.979	94.99	0.22	0.00
		2452	0.930	0.979	94.99	0.22	0.00

1.2 Ant2

1.2.1 Test Result

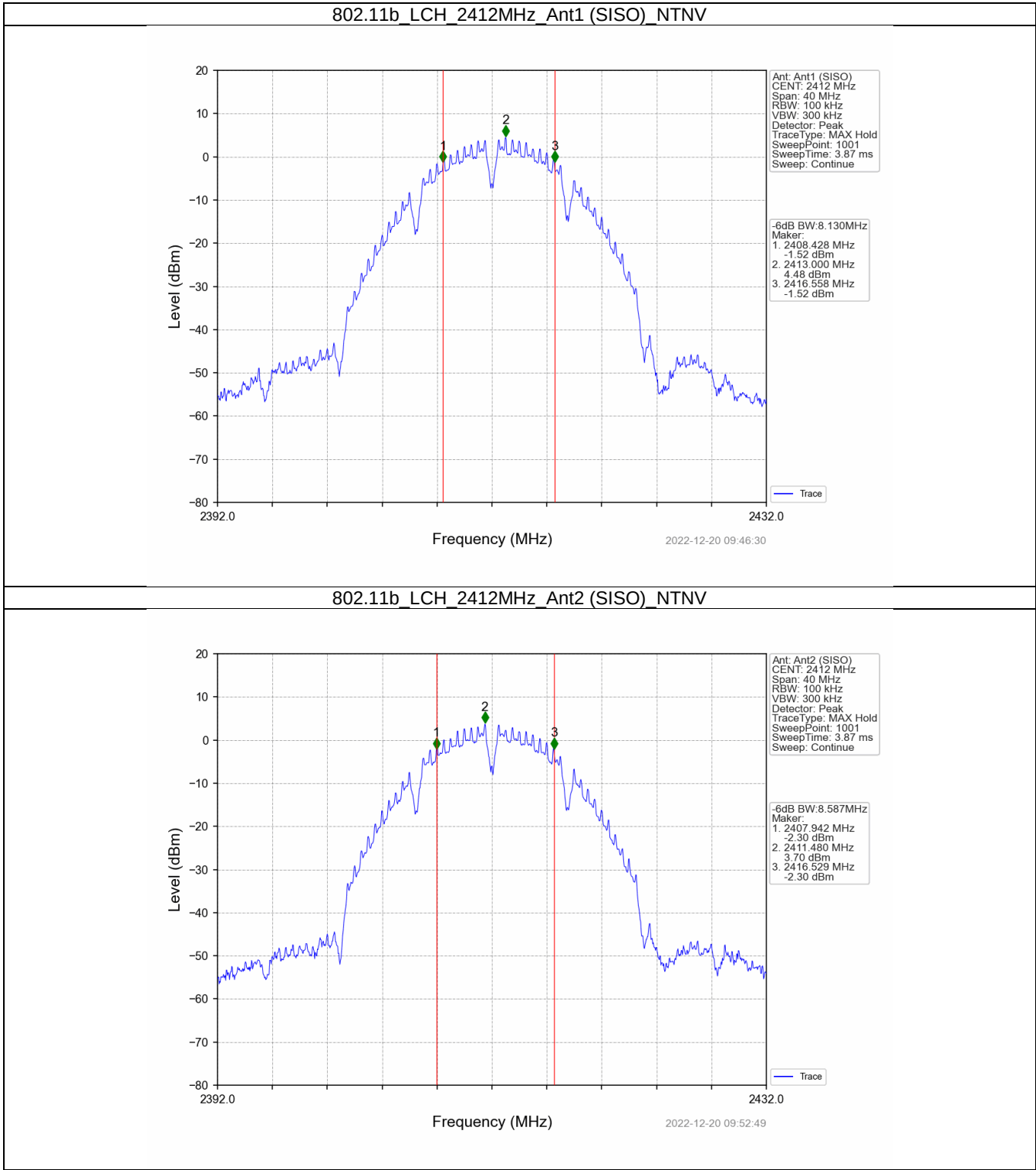
Ant2							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	12.210	12.307	99.21	0.03	0.03
		2437	12.210	12.307	99.21	0.03	0.03
		2462	12.210	12.307	99.21	0.03	0.05
802.11g	SISO	2412	2.030	2.065	98.31	0.07	0.04
		2437	2.030	2.065	98.31	0.07	0.04
		2462	2.030	2.065	98.31	0.07	0.04
802.11n (HT20)	MIMO	2412	1.890	1.925	98.18	0.08	0.03
		2437	1.890	1.926	98.13	0.08	0.03
		2462	1.890	1.925	98.18	0.08	0.03
802.11n (HT40)	MIMO	2422	0.929	0.979	94.89	0.23	0.03
		2437	0.930	0.979	94.99	0.22	0.03
		2452	0.930	0.979	94.99	0.22	0.00

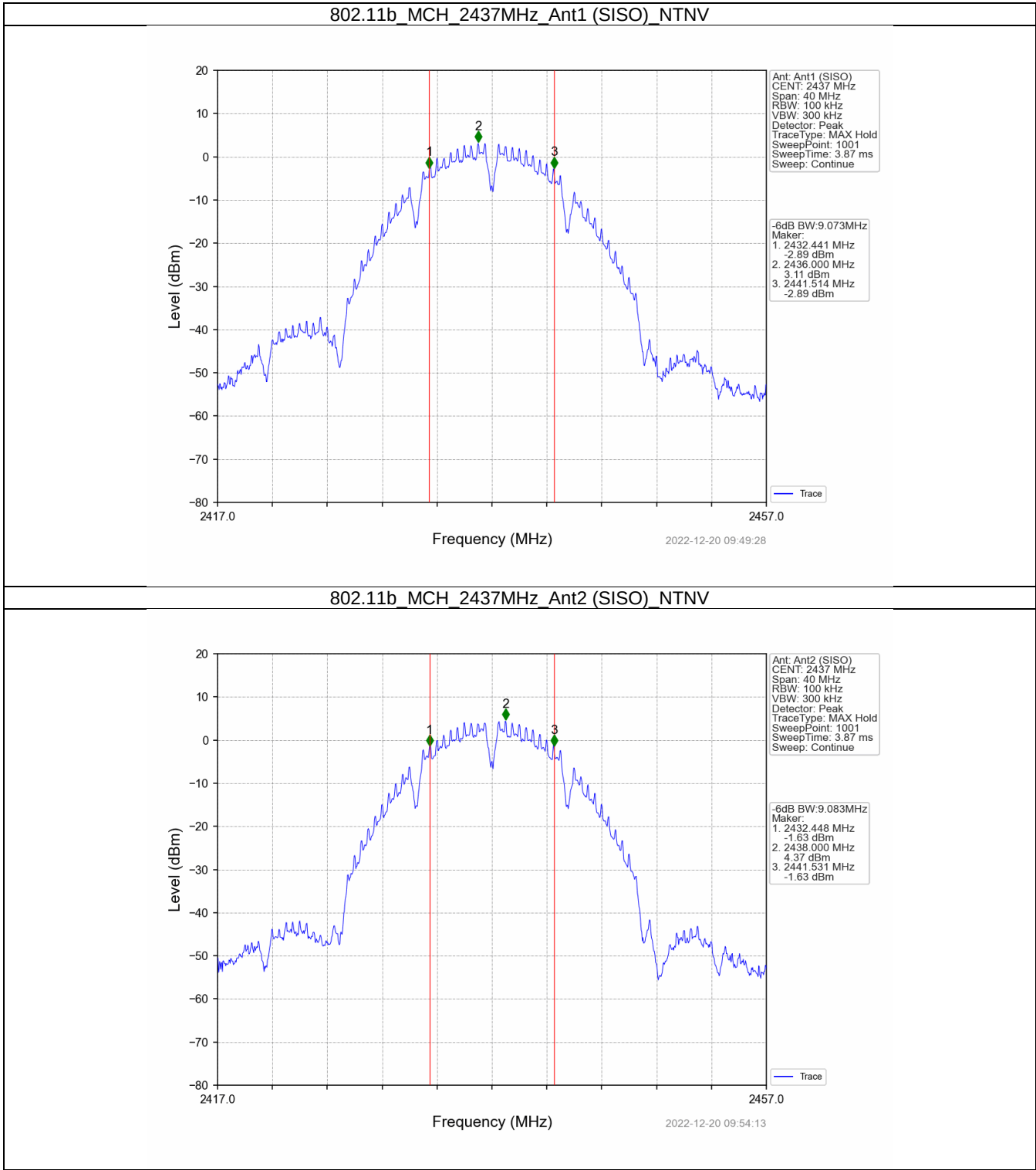
2. 6dB BW

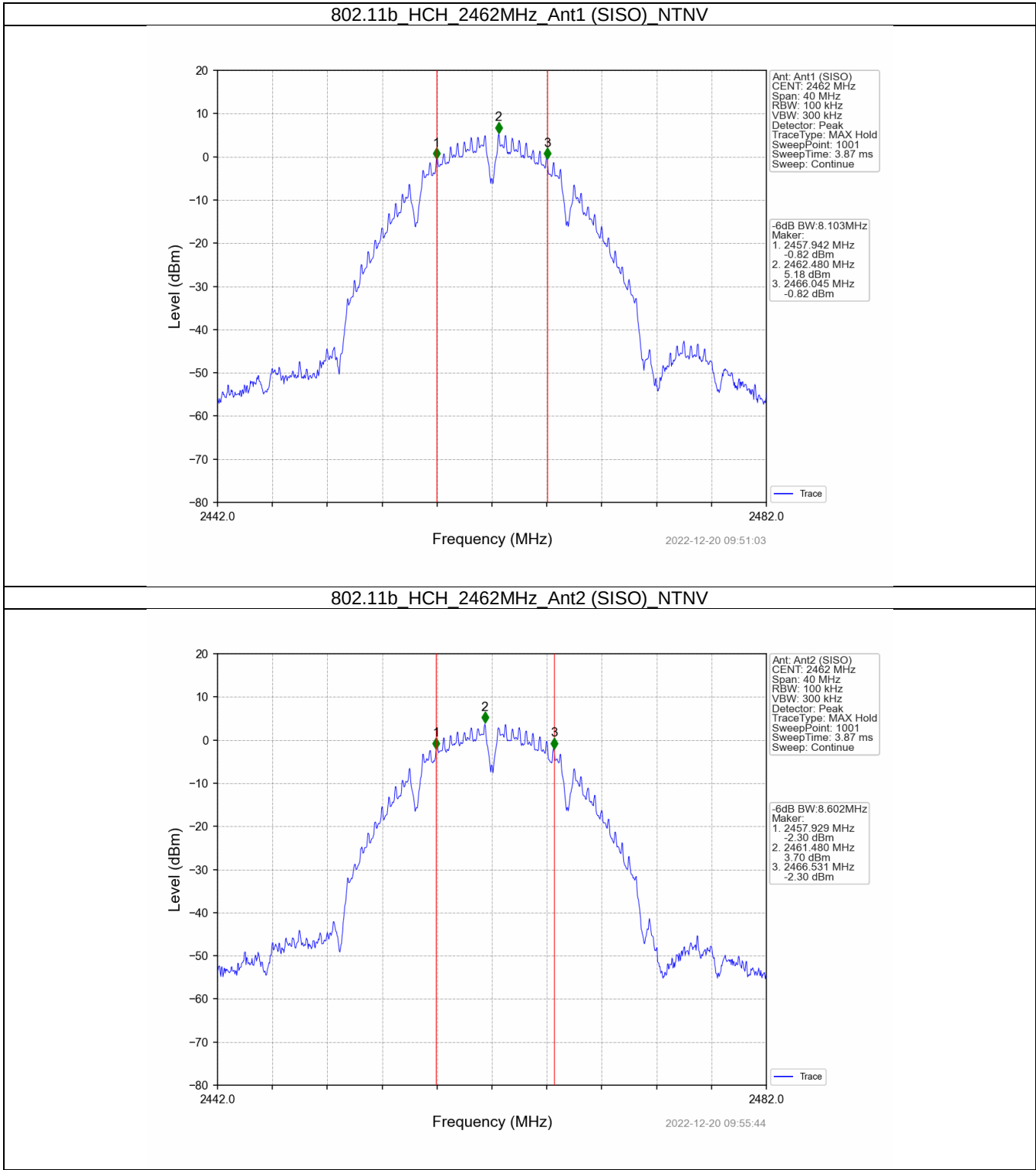
2.1 Test Result

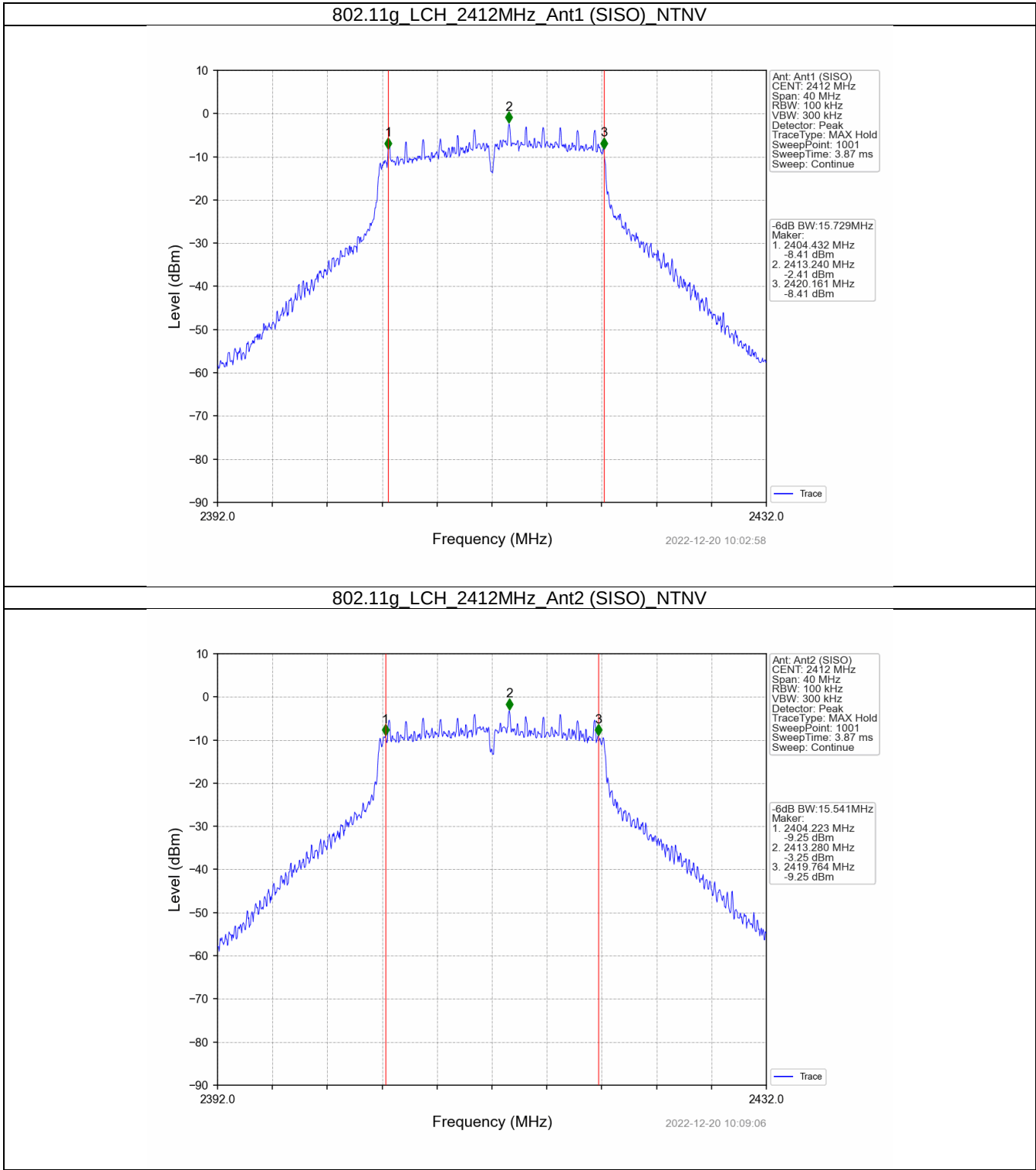
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.130	≥ 0.5	Pass
			2	8.587	≥ 0.5	Pass
		2437	1	9.073	≥ 0.5	Pass
			2	9.083	≥ 0.5	Pass
		2462	1	8.103	≥ 0.5	Pass
			2	8.602	≥ 0.5	Pass
802.11g	SISO	2412	1	15.729	≥ 0.5	Pass
			2	15.541	≥ 0.5	Pass
		2437	1	15.947	≥ 0.5	Pass
			2	15.702	≥ 0.5	Pass
		2462	1	15.133	≥ 0.5	Pass
			2	16.291	≥ 0.5	Pass
802.11n (HT20)	MIMO	2412	1	15.981	≥ 0.5	Pass
			2	16.308	≥ 0.5	Pass
		2437	1	16.393	≥ 0.5	Pass
			2	15.163	≥ 0.5	Pass
		2462	1	15.129	≥ 0.5	Pass
			2	15.714	≥ 0.5	Pass
802.11n (HT40)	MIMO	2422	1	35.069	≥ 0.5	Pass
			2	35.431	≥ 0.5	Pass
		2437	1	36.013	≥ 0.5	Pass
			2	35.478	≥ 0.5	Pass
		2452	1	35.156	≥ 0.5	Pass
			2	35.748	≥ 0.5	Pass

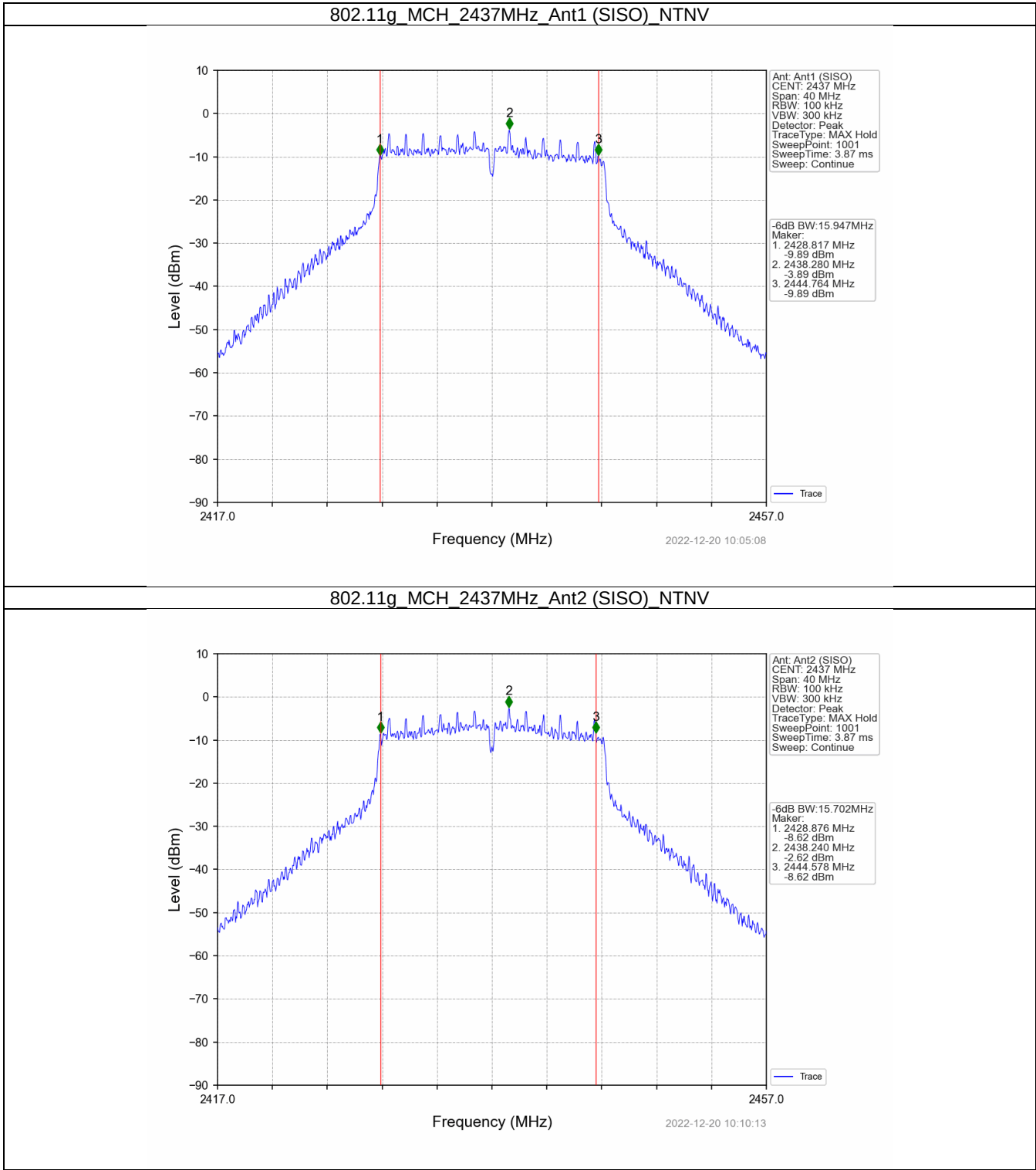
2.2.2 Test Graph

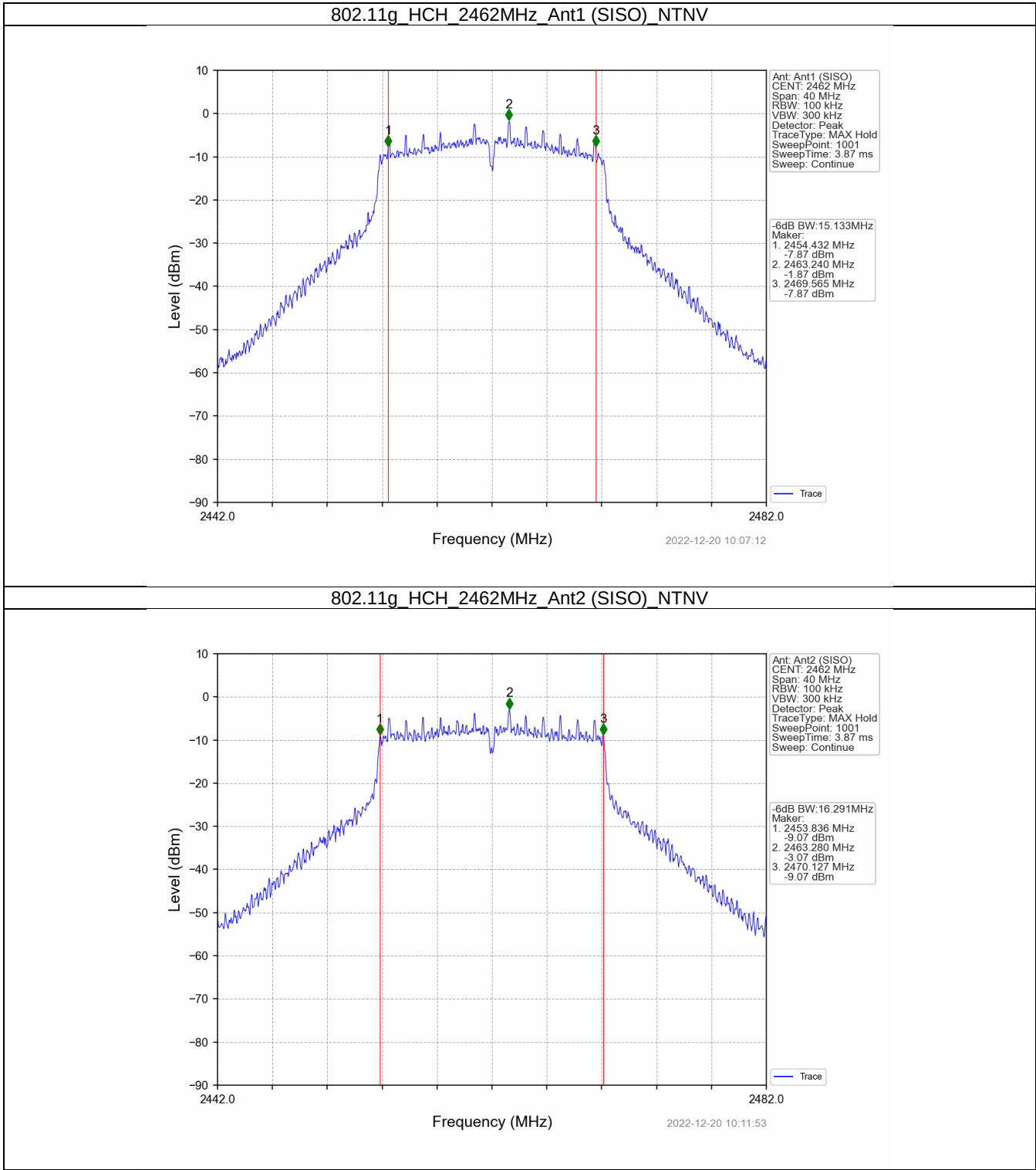


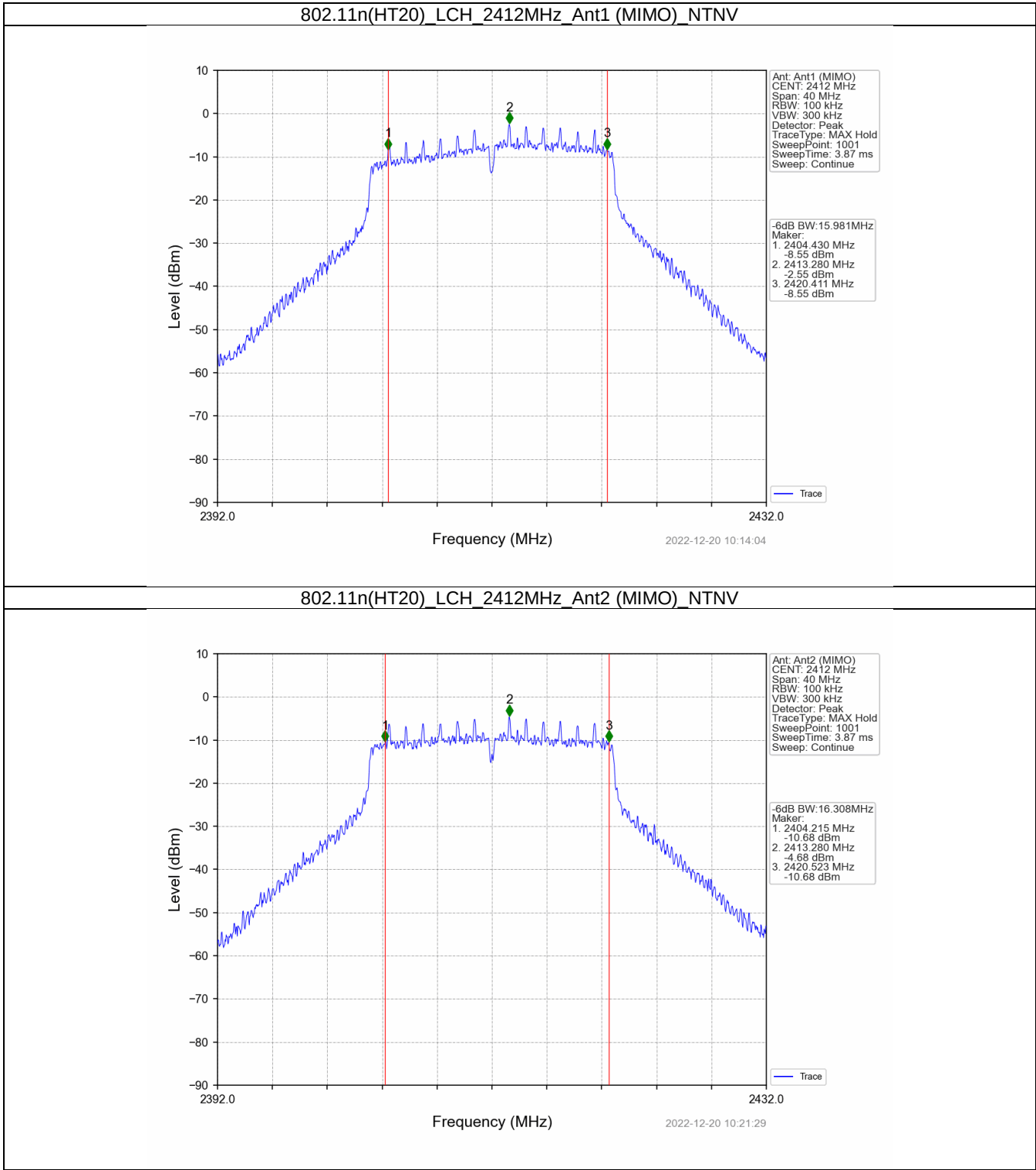


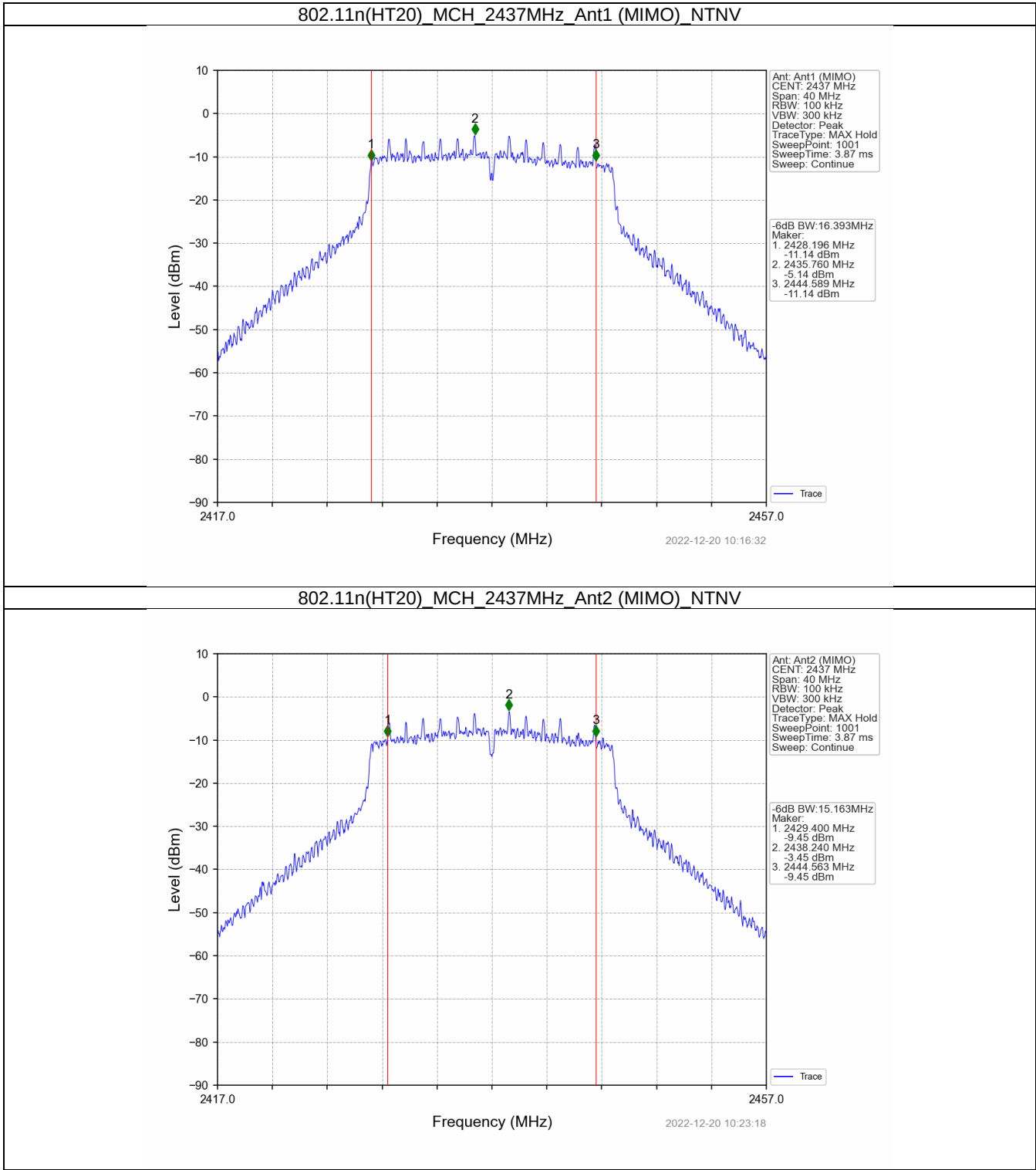


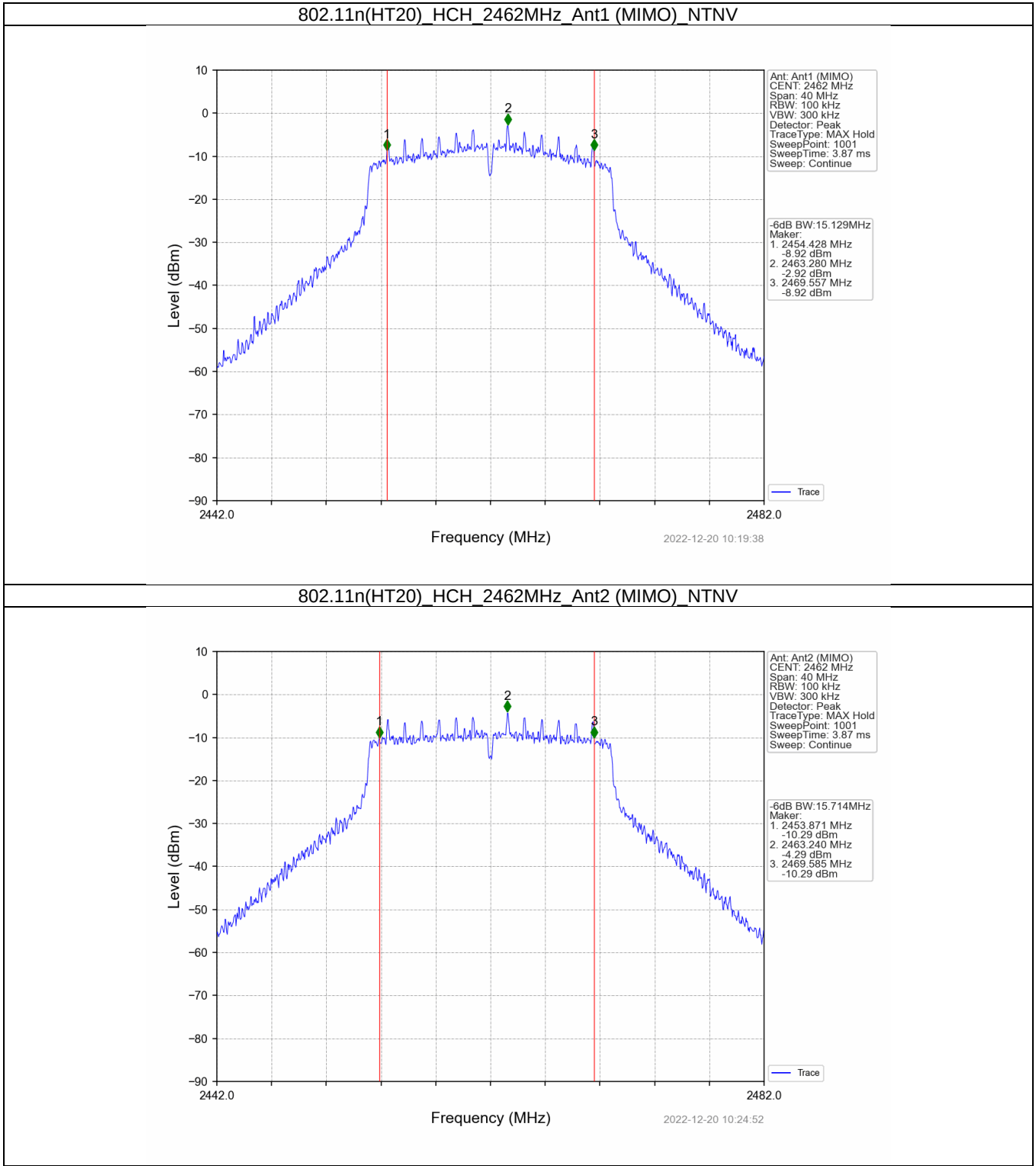


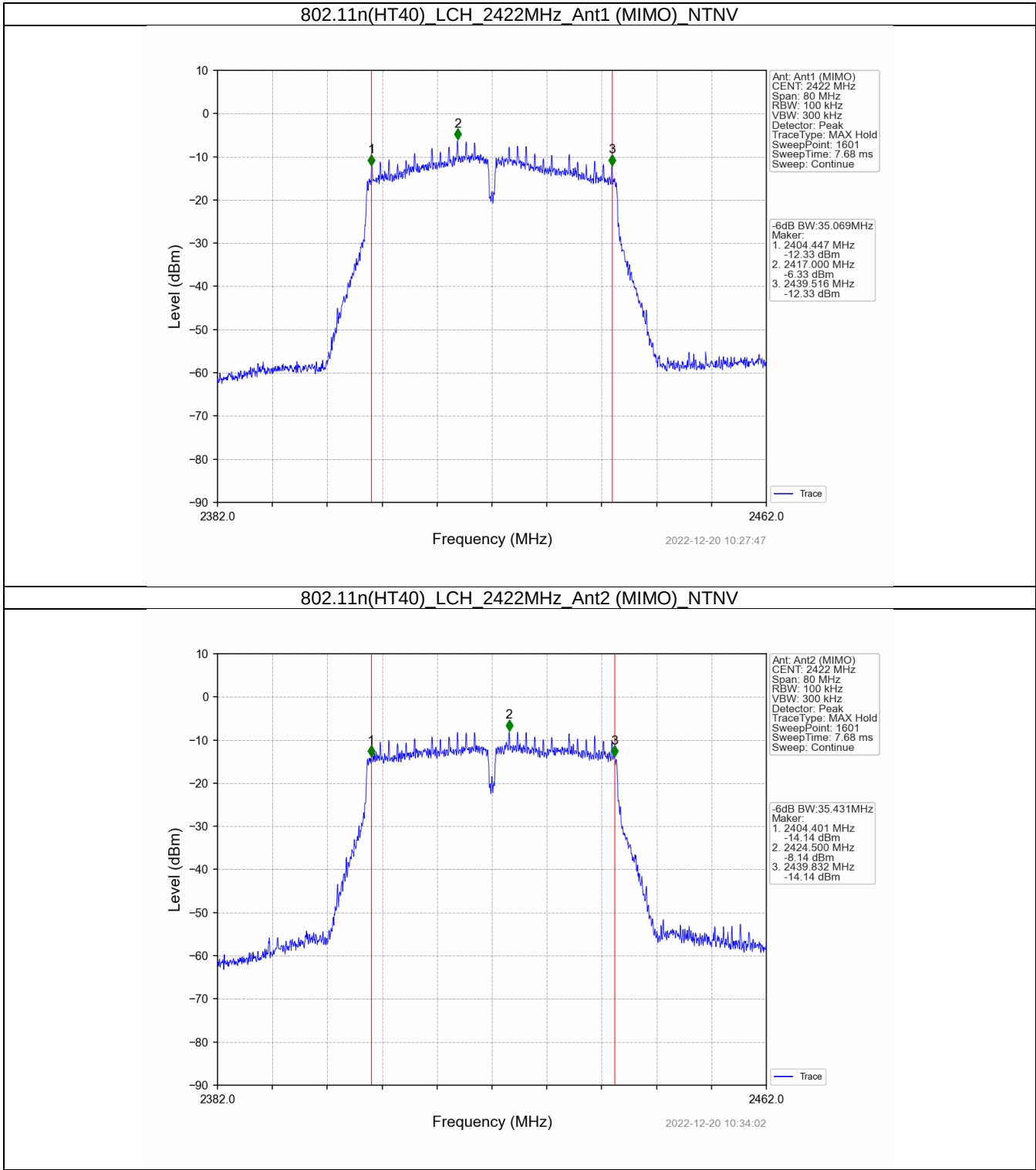


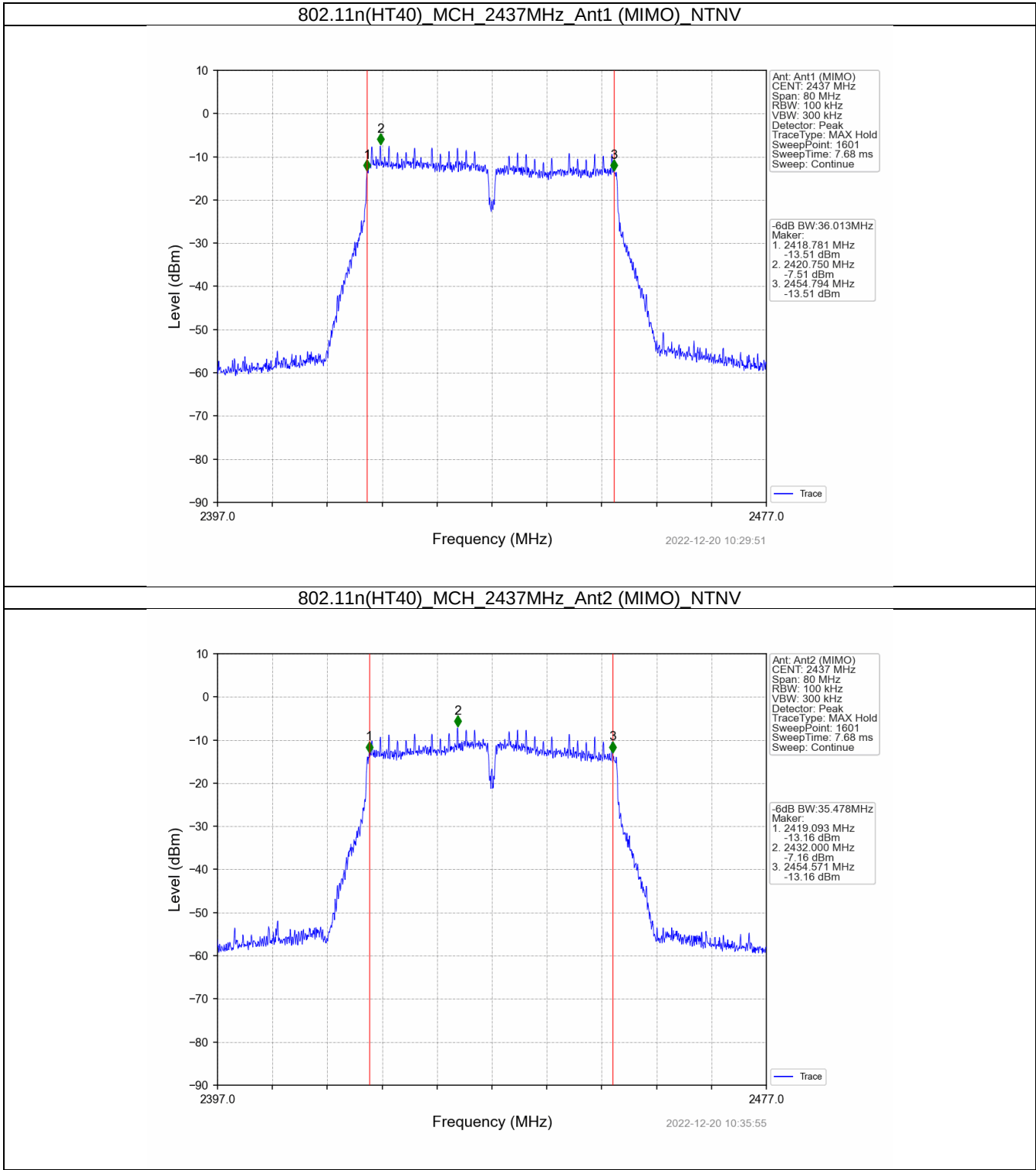


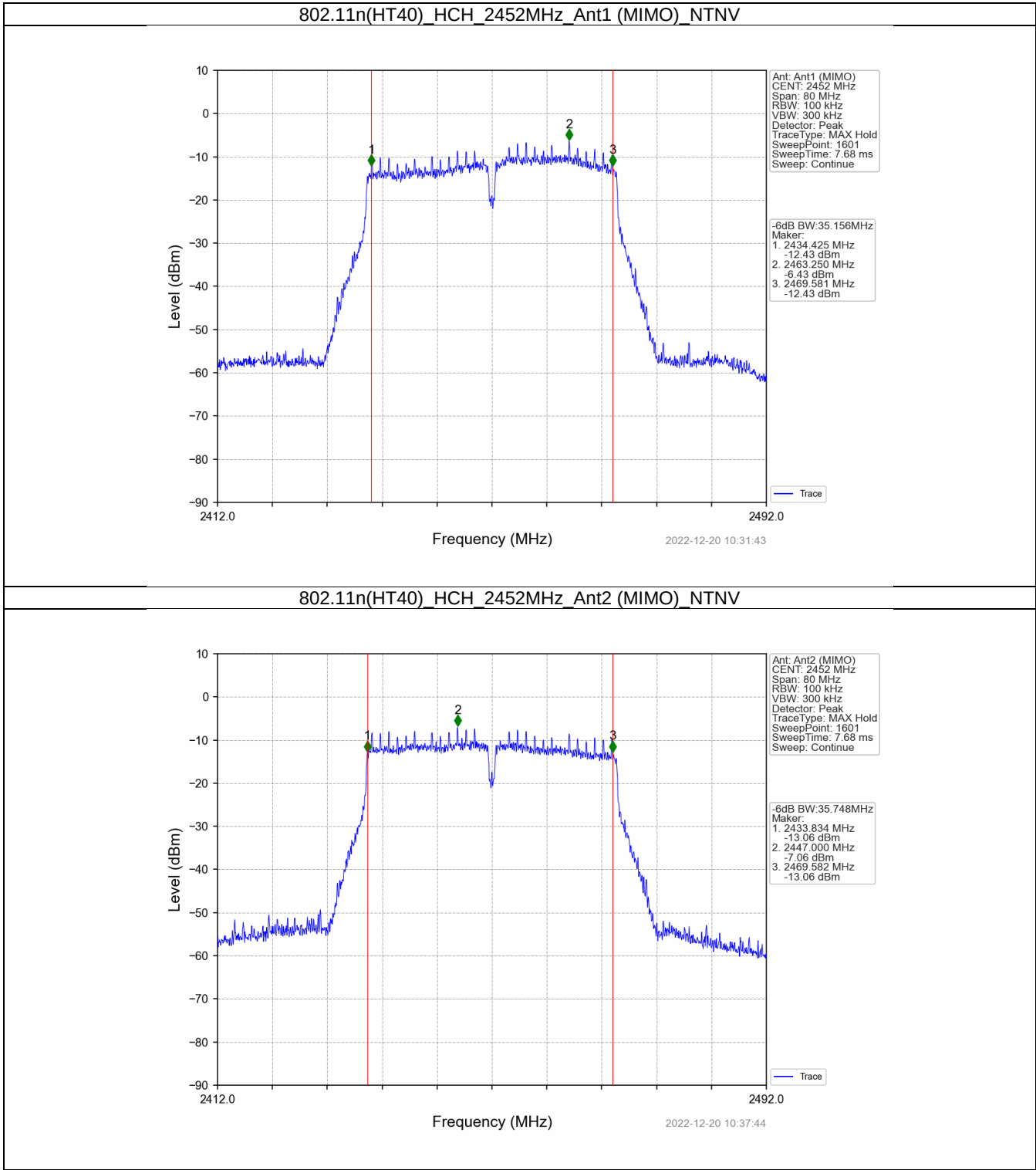












3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	14.83	14.39	/	<=30	Pass
		2437	14.23	15.61	/	<=30	Pass
		2462	15.53	14.71	/	<=30	Pass
802.11g	SISO	2412	14.49	14.27	/	<=30	Pass
		2437	13.66	15.00	/	<=30	Pass
		2462	14.72	14.57	/	<=30	Pass
802.11n (HT20)	MIMO	2412	14.16	12.60	16.46	<=30	Pass
		2437	12.46	13.40	15.97	<=30	Pass
		2462	13.19	12.68	15.95	<=30	Pass
802.11n (HT40)	MIMO	2422	13.93	13.52	16.74	<=30	Pass
		2437	13.61	13.82	16.73	<=30	Pass
		2452	14.04	14.11	17.09	<=30	Pass

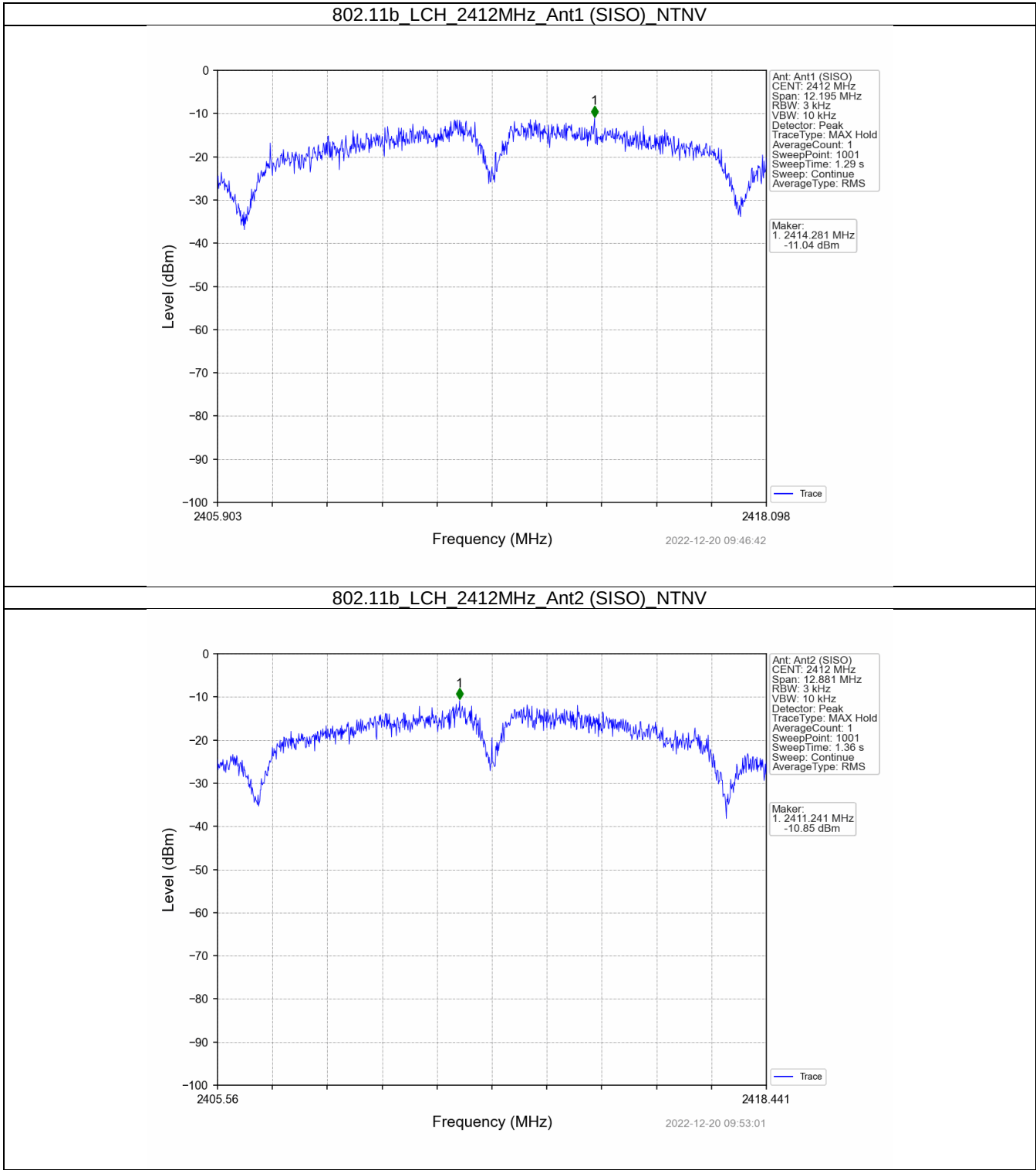
4. Maximum Power Spectral Density

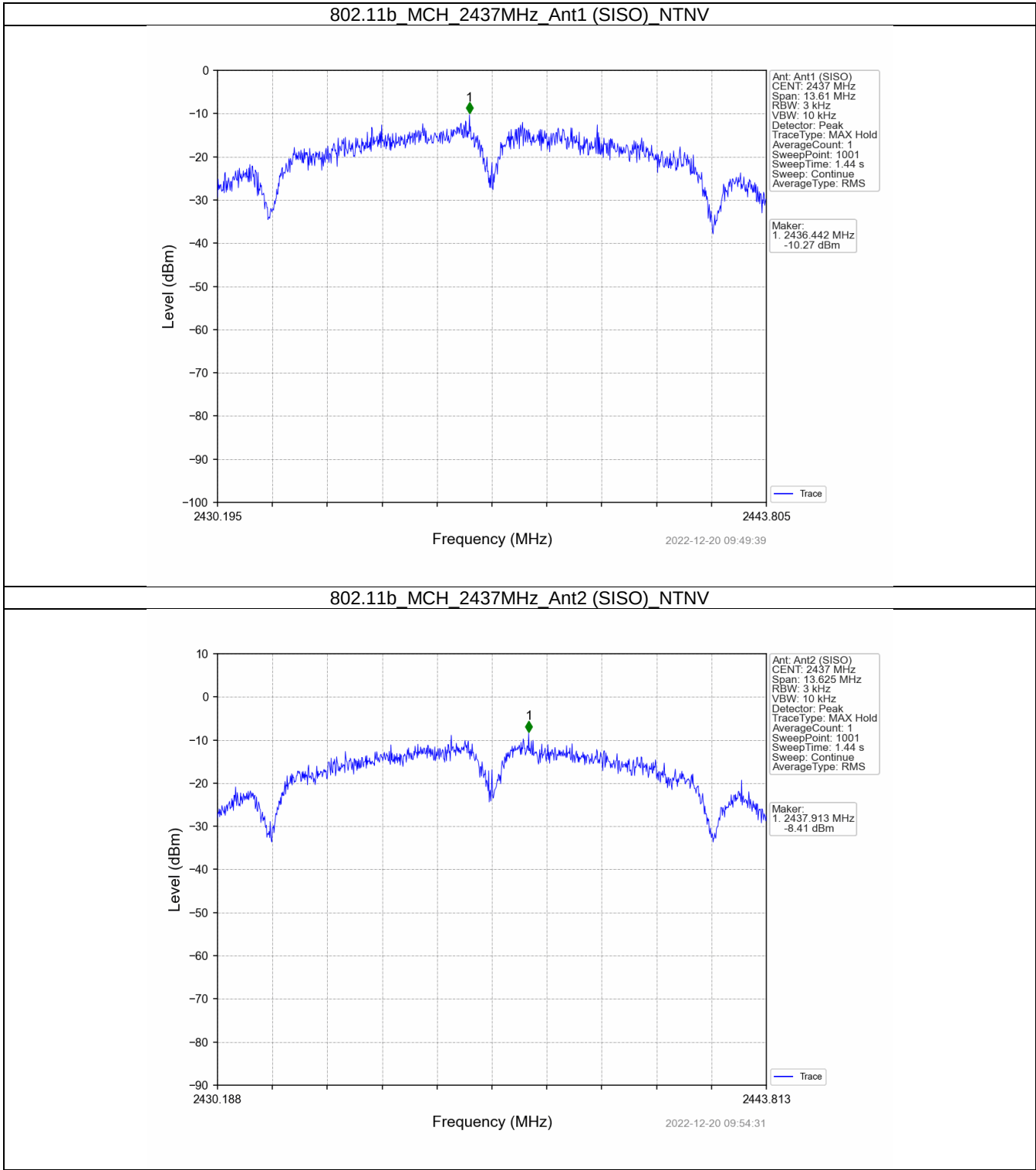
4.1 PSD

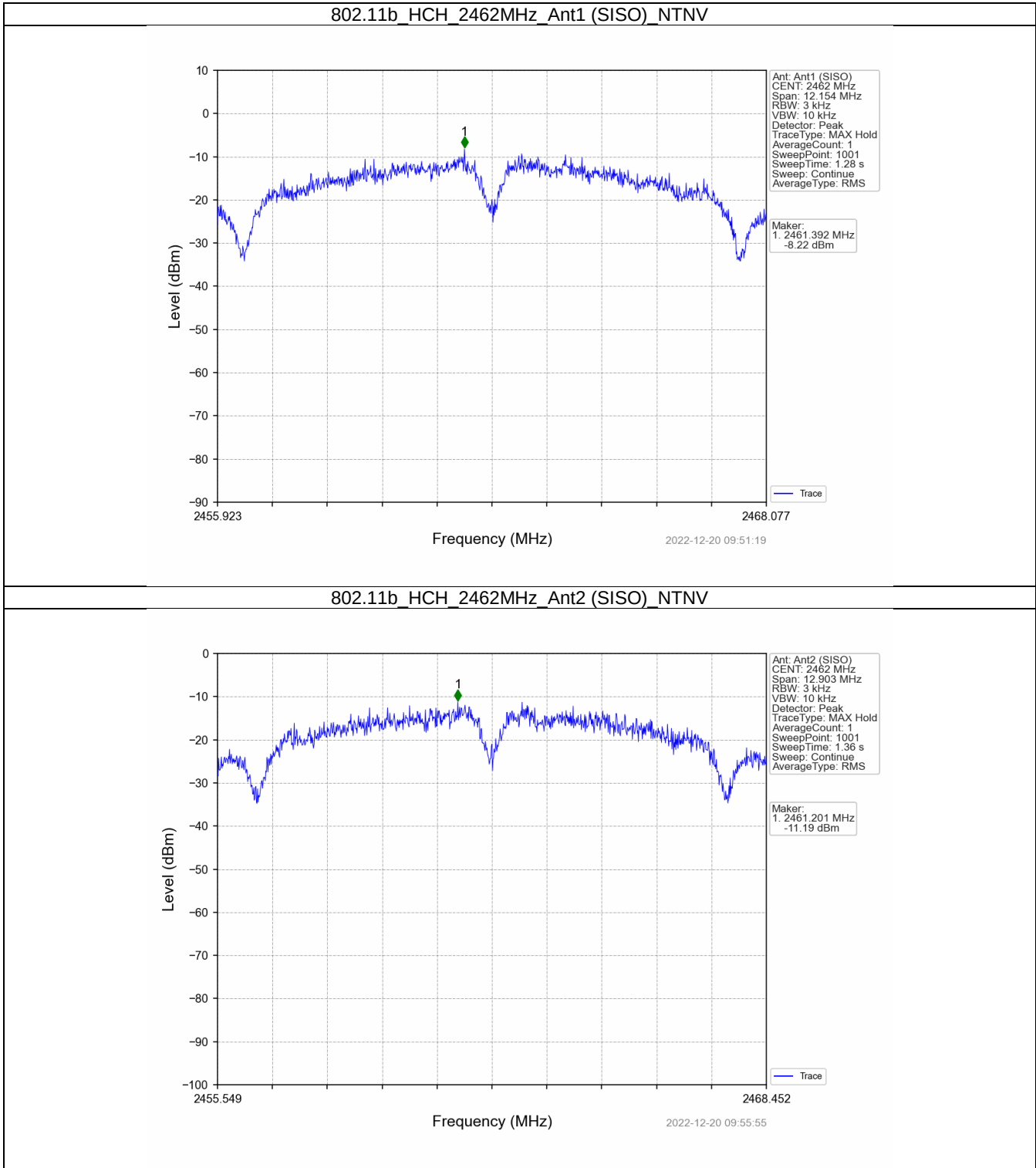
4.1.1 Test Result

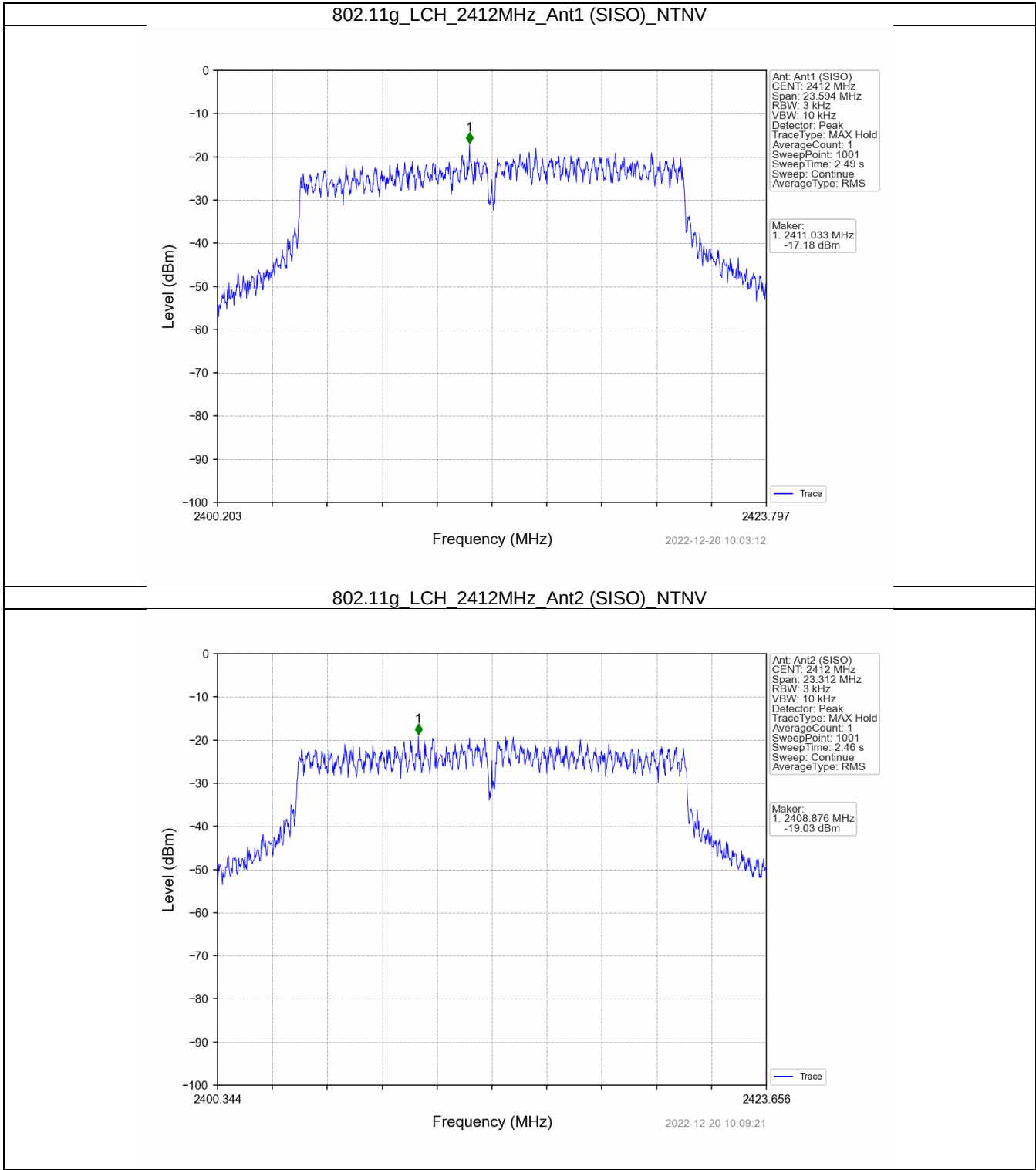
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-11.04	-10.85	/	<=8	Pass
		2437	-10.27	-8.41	/	<=8	Pass
		2462	-8.22	-11.19	/	<=8	Pass
802.11g	SISO	2412	-17.18	-19.03	/	<=8	Pass
		2437	-19.97	-17.62	/	<=8	Pass
		2462	-17.84	-19.31	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-19.12	-20.50	-17.35	<=8	Pass
		2437	-20.85	-19.95	-18.31	<=8	Pass
		2462	-19.47	-20.37	-17.34	<=8	Pass
802.11n (HT40)	MIMO	2422	-20.47	-22.50	-19.54	<=8	Pass
		2437	-22.30	-21.00	-20.20	<=8	Pass
		2452	-22.77	-21.75	-20.29	<=8	Pass

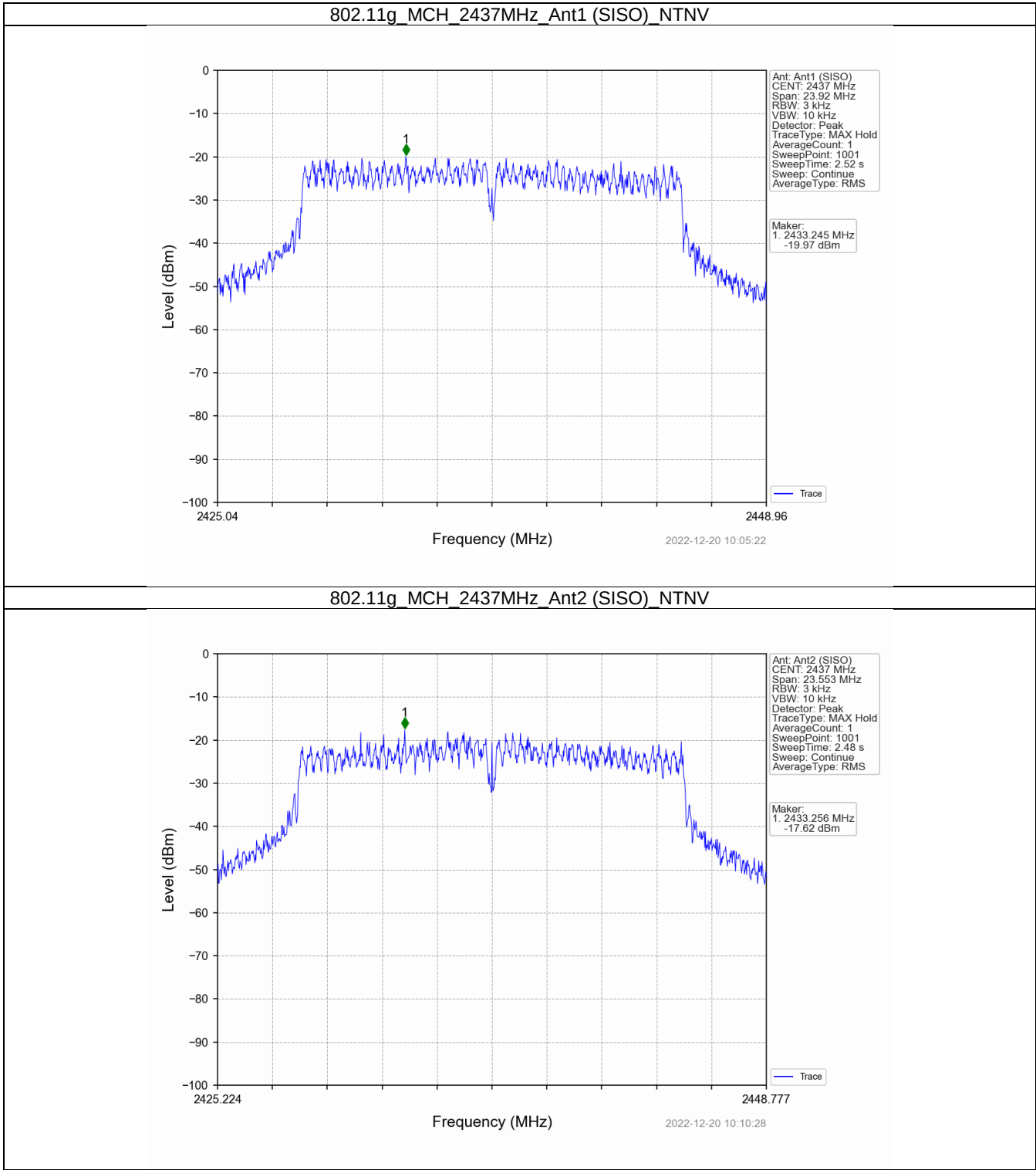
4.1.2 Test Graph

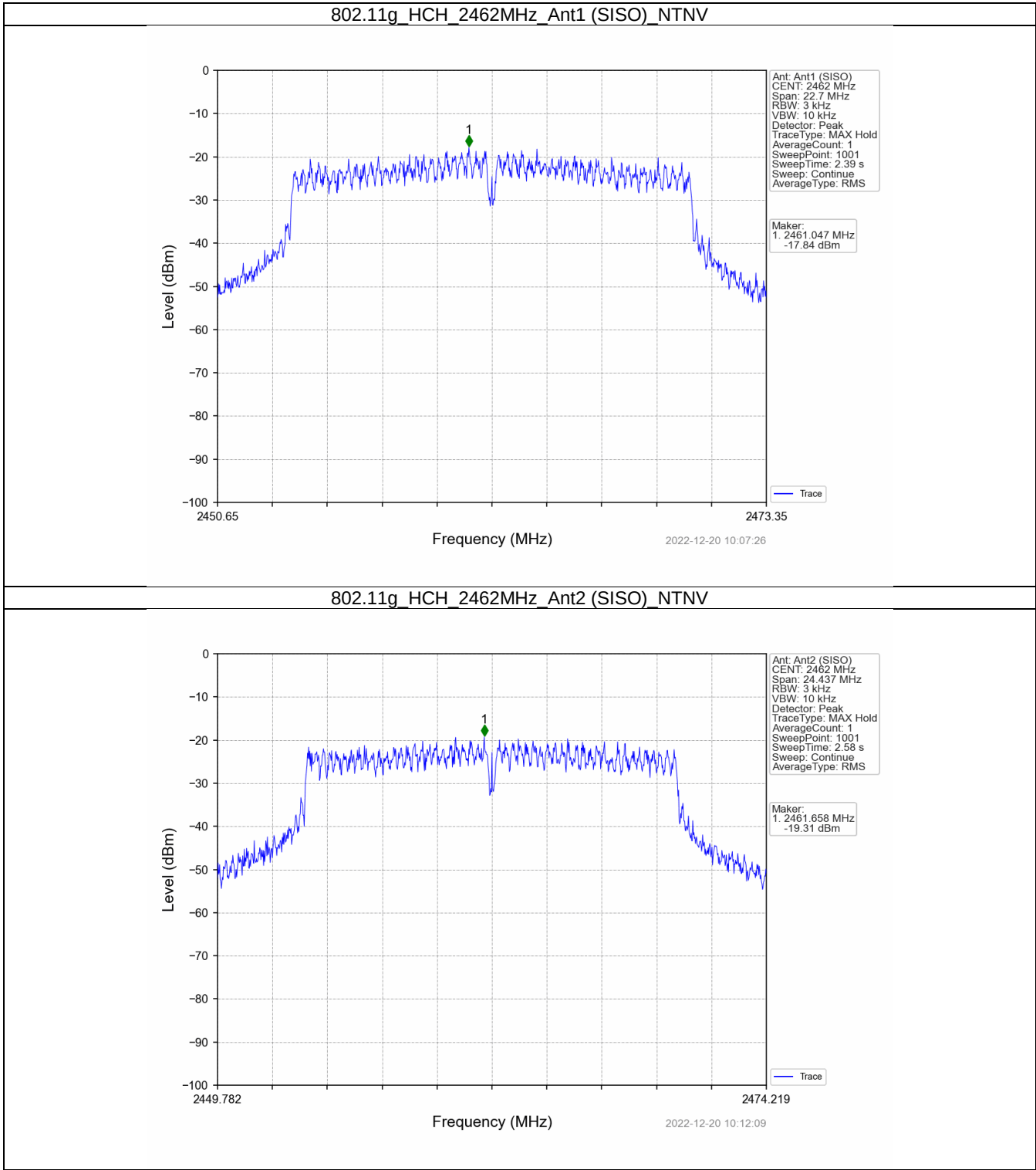


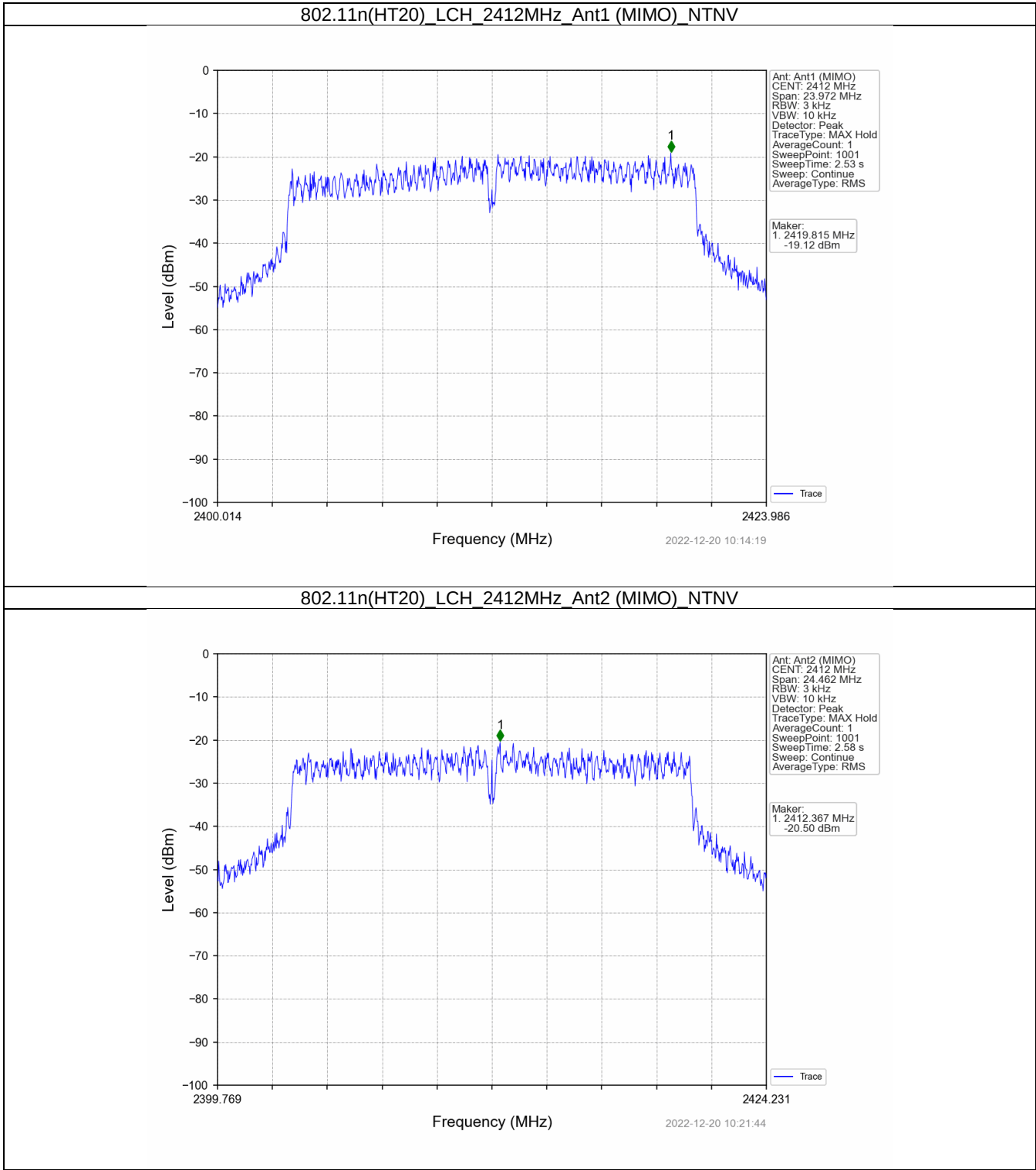


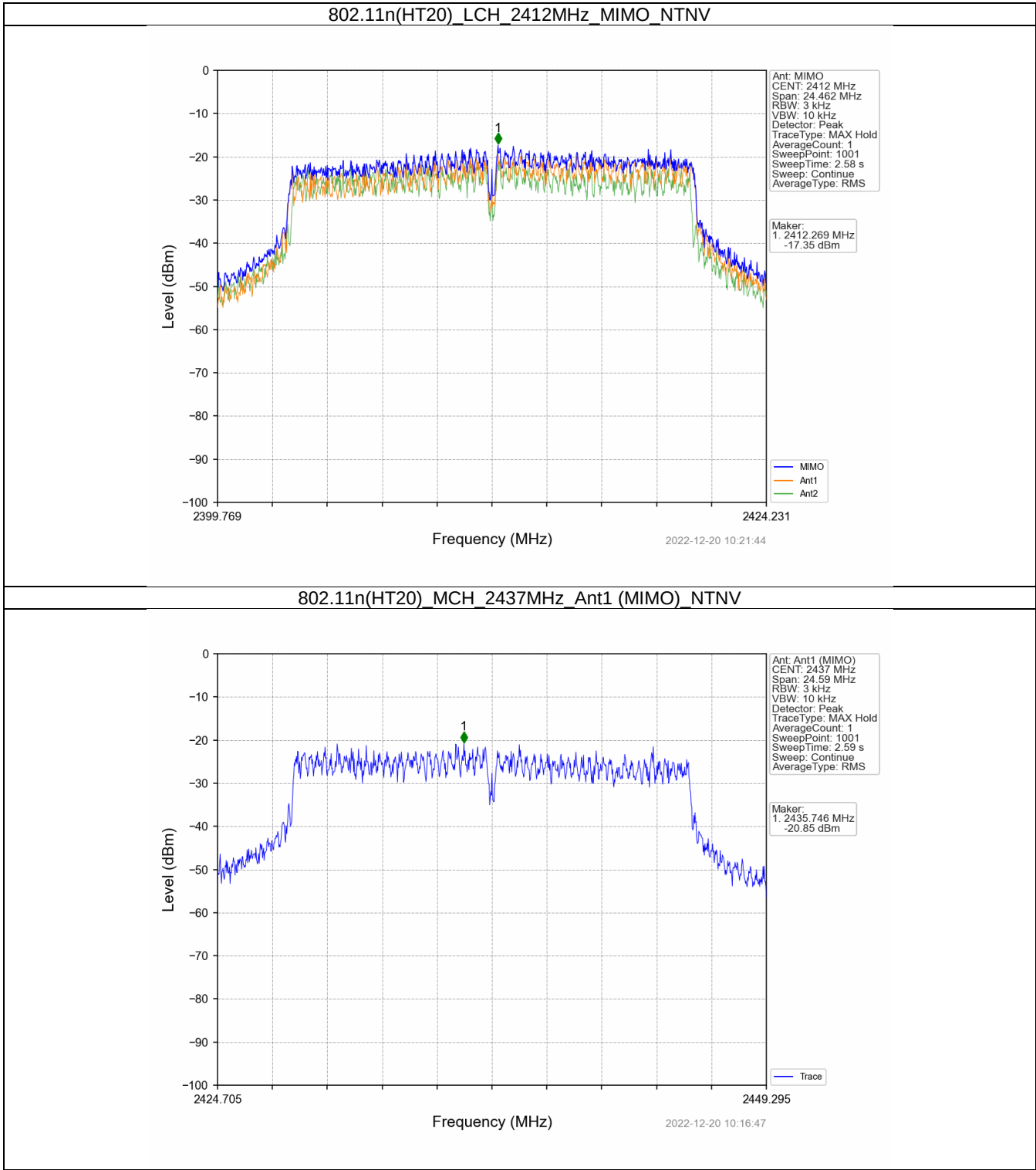


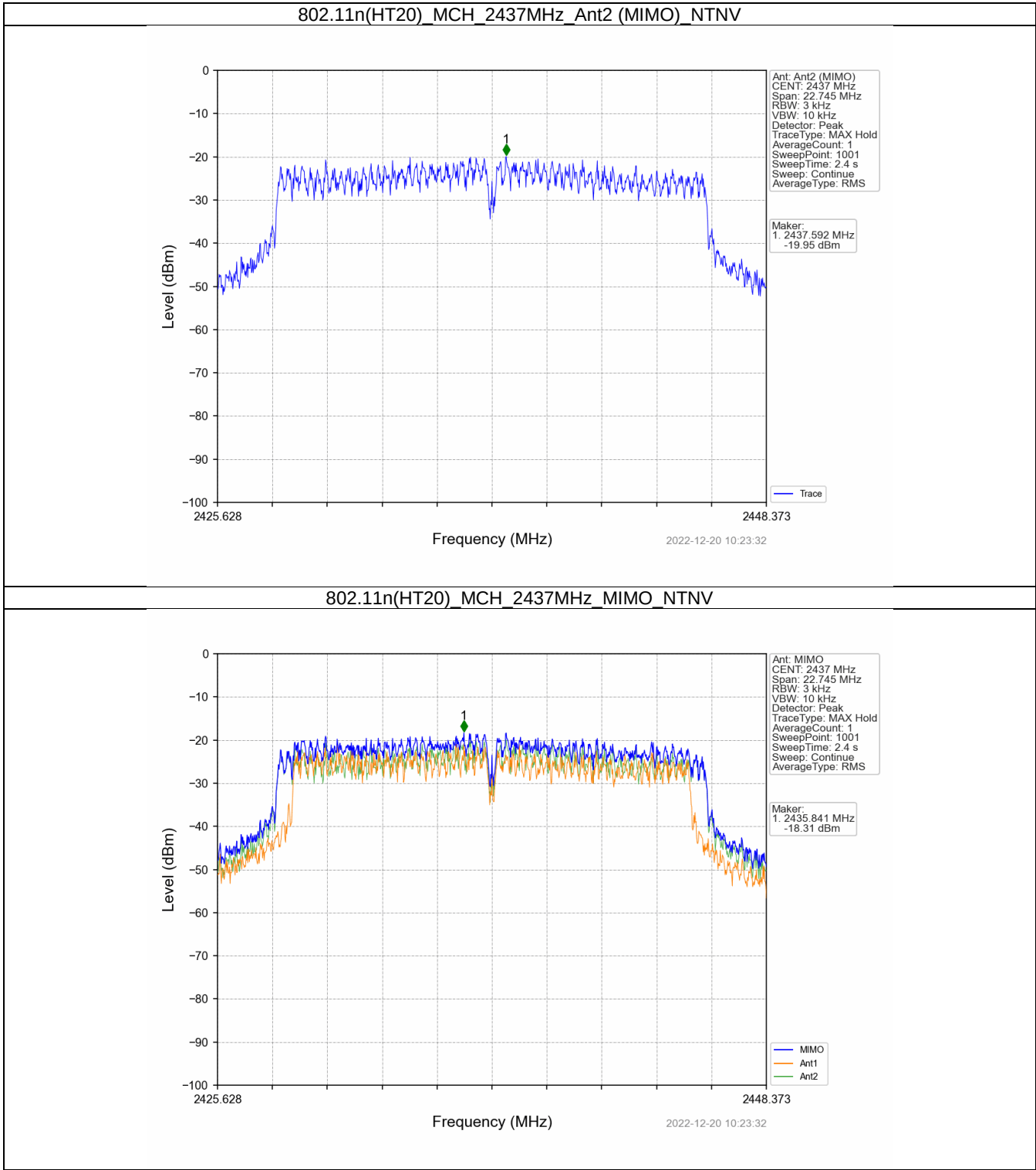


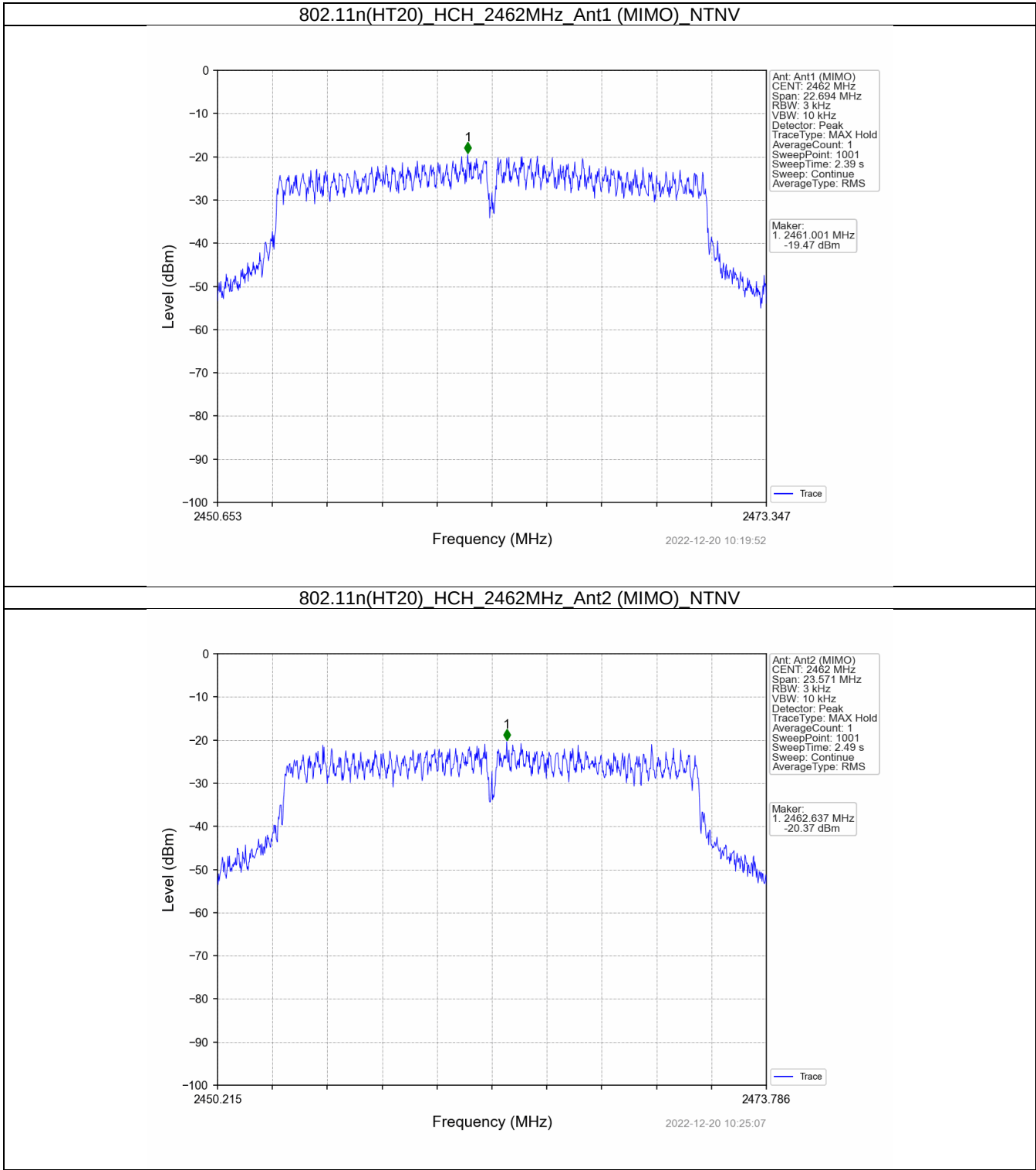


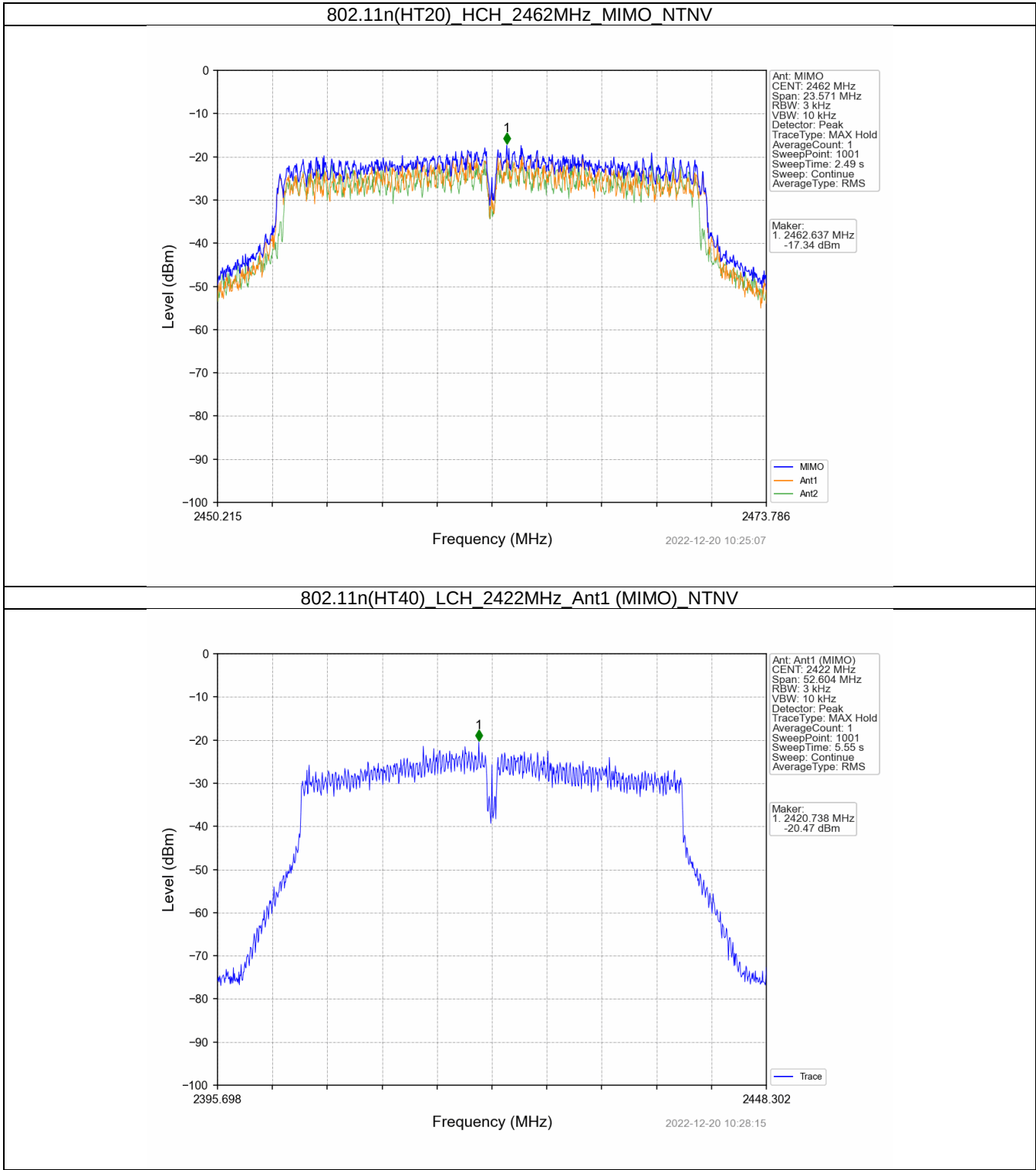


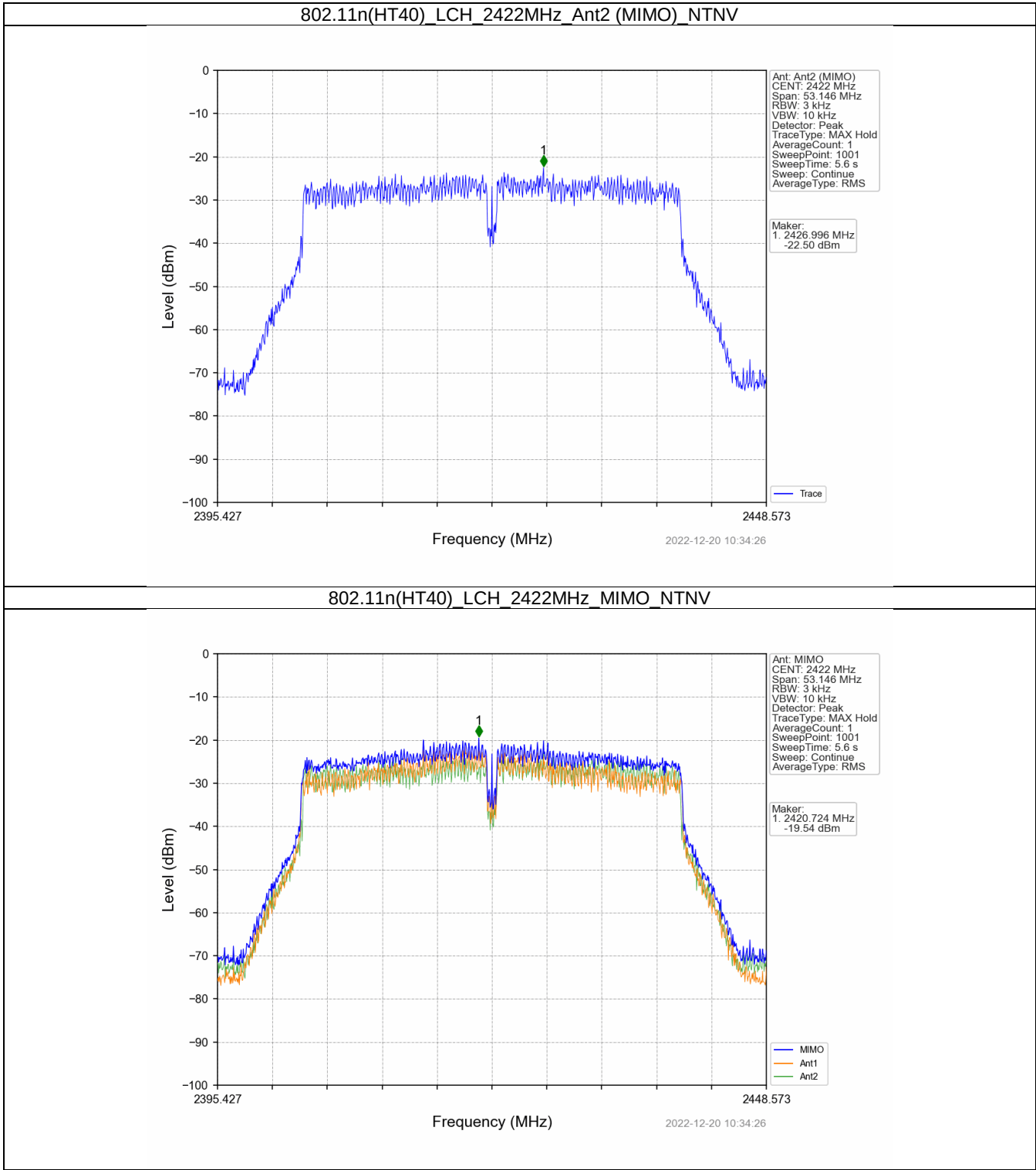


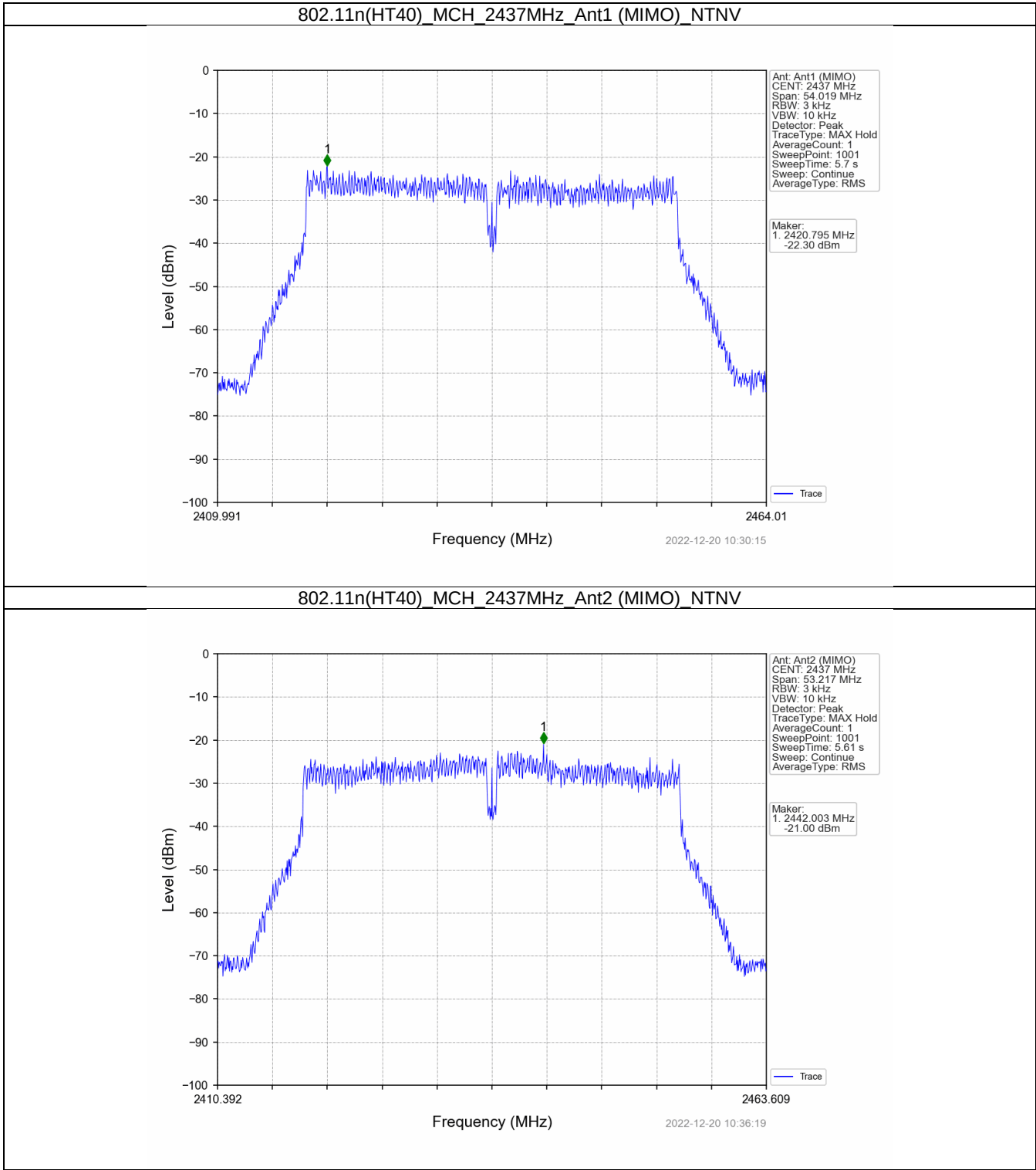


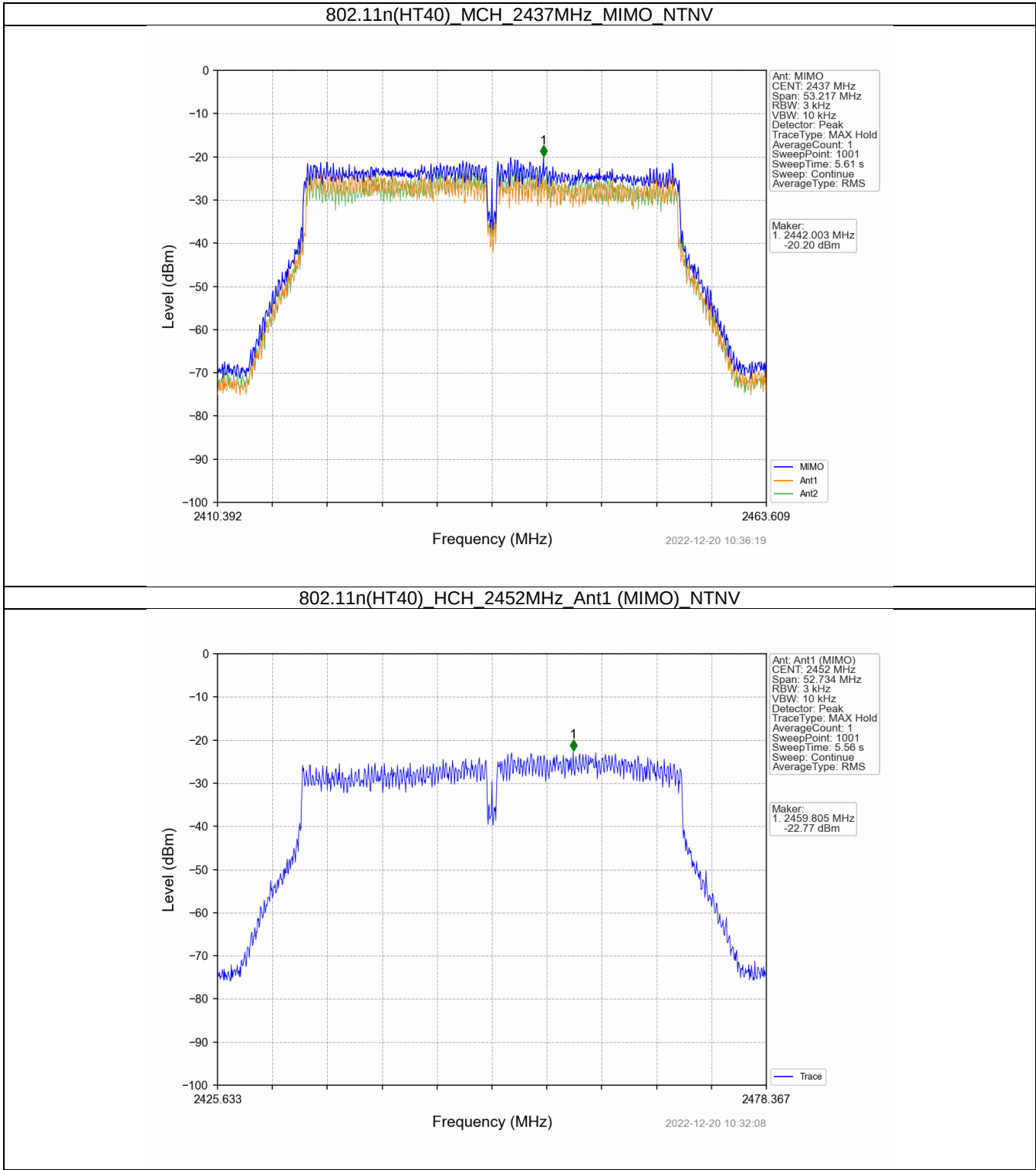


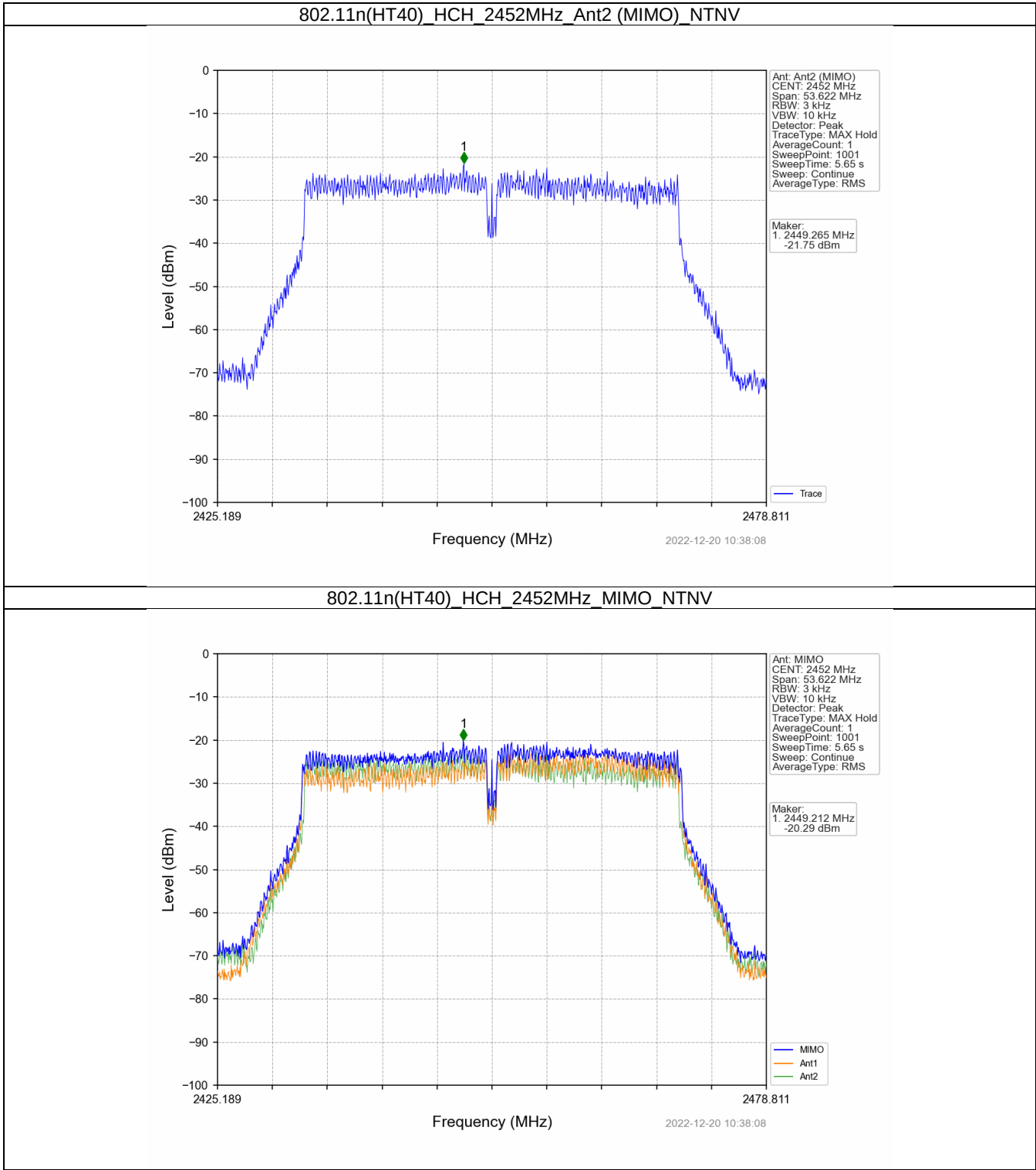












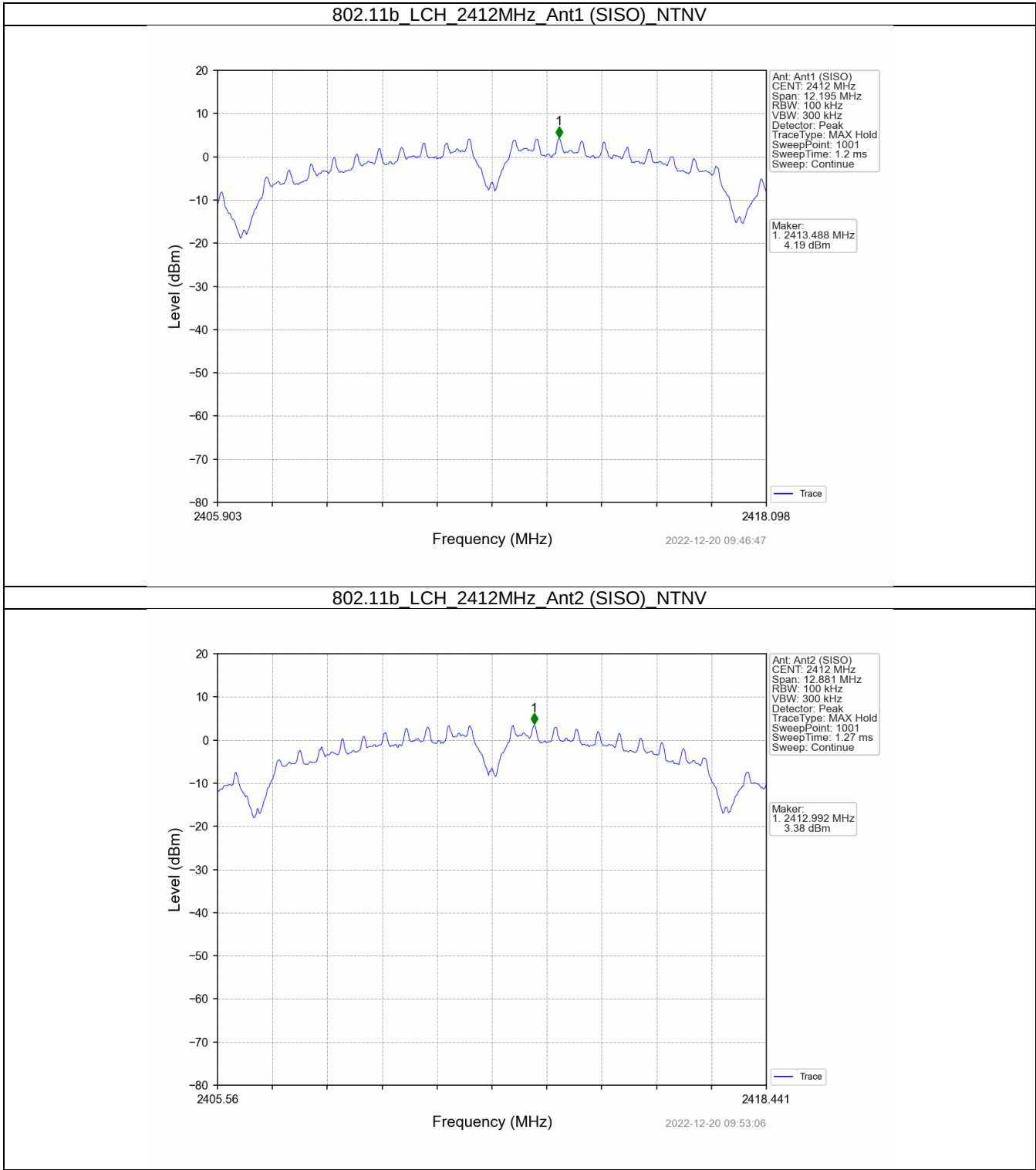
5. Unwanted Emissions In Non-restricted Frequency Bands

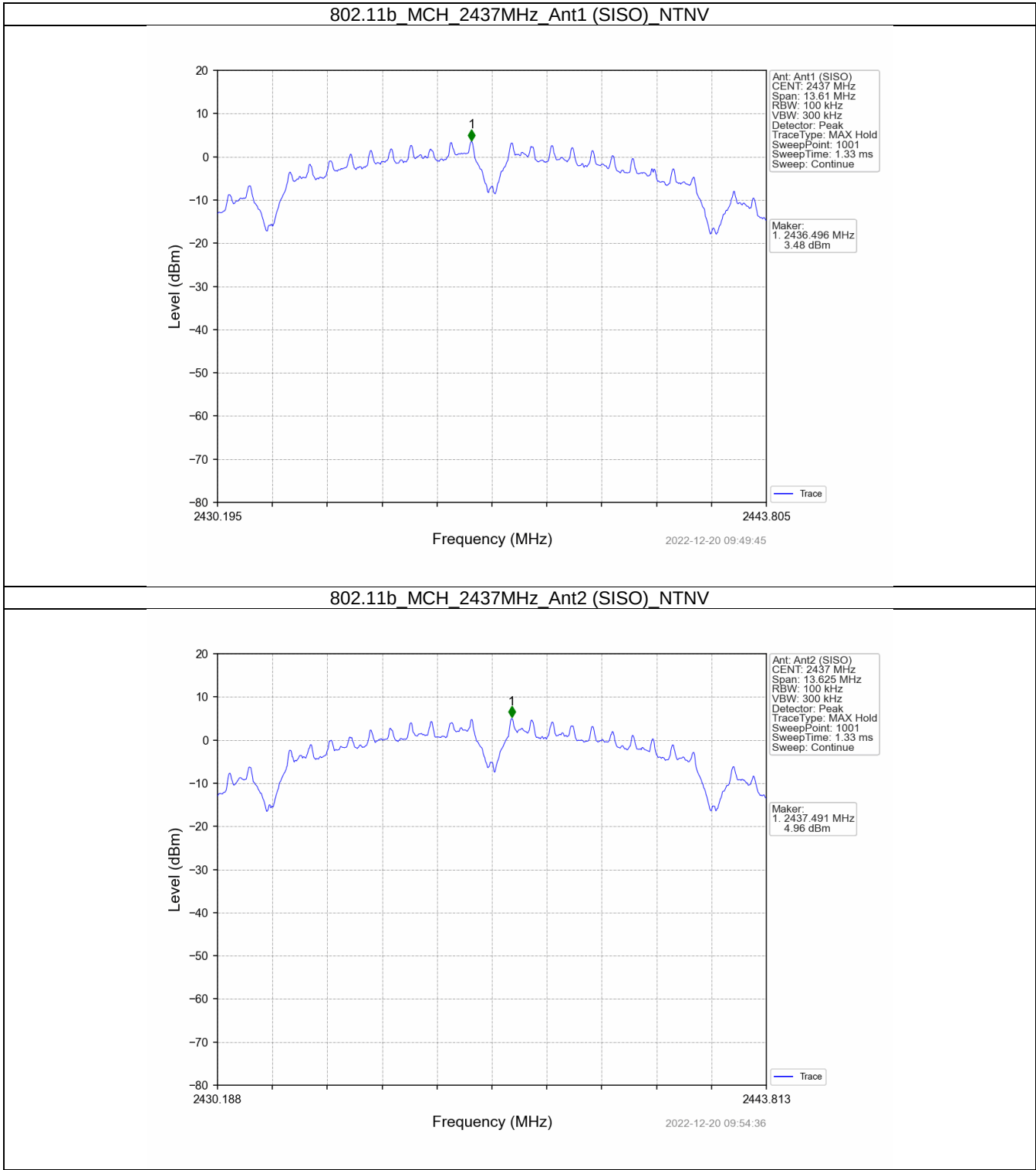
5.1 Ref

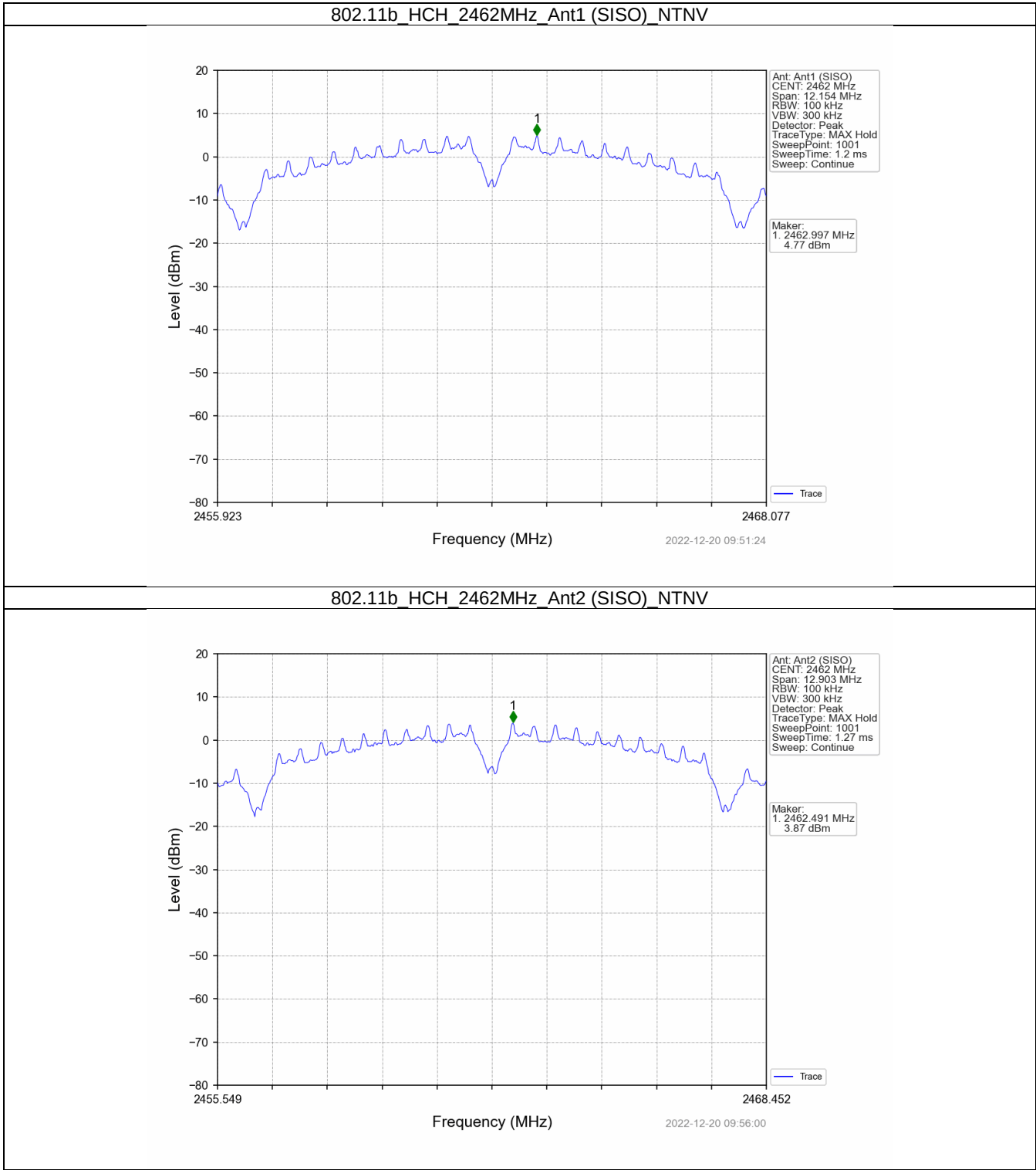
5.1.1 Test Result

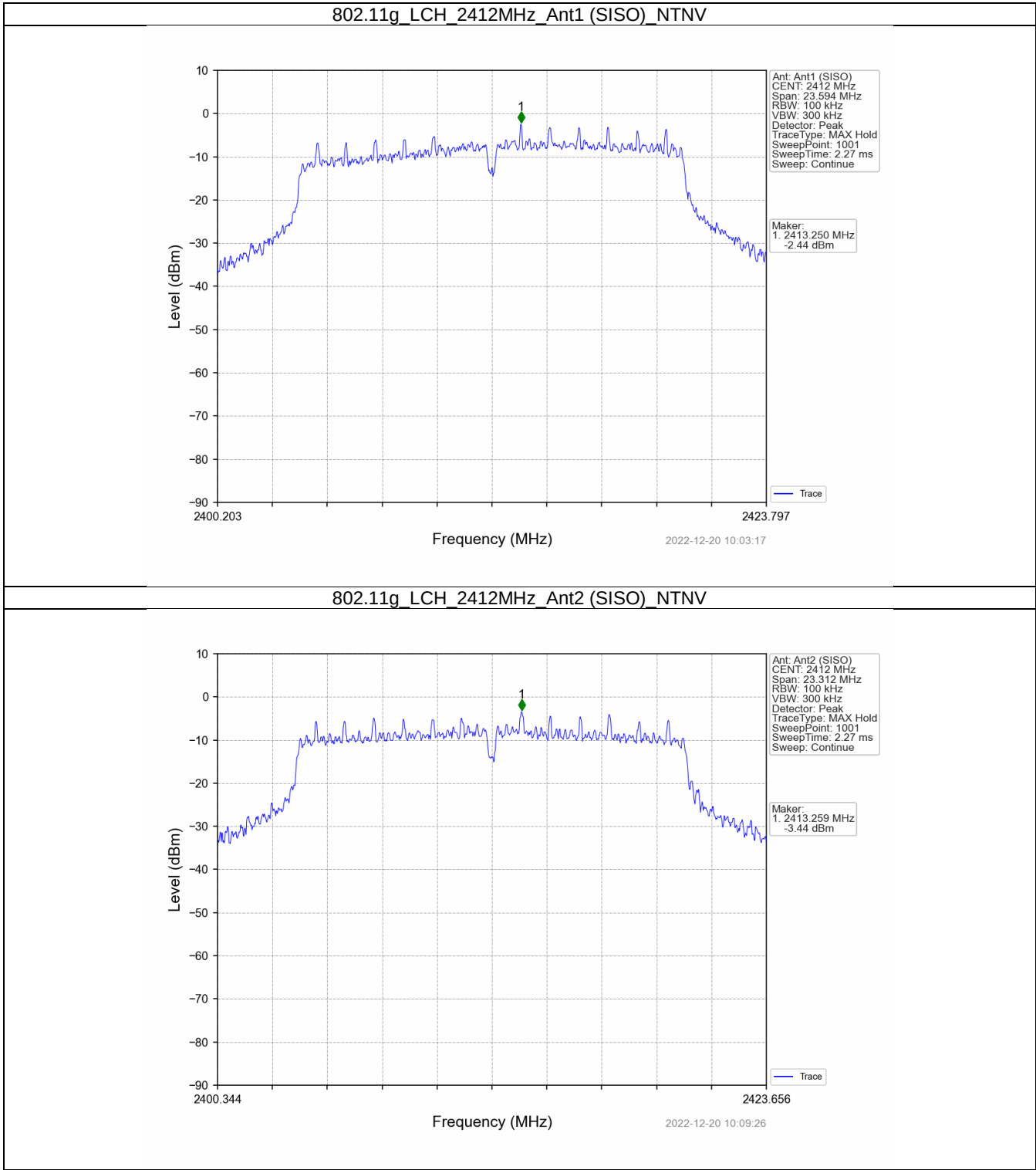
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	4.19
			2	3.38
		2437	1	3.48
			2	4.96
		2462	1	4.77
			2	3.87
802.11g	SISO	2412	1	-2.44
			2	-3.44
		2437	1	-4.05
			2	-2.49
		2462	1	-3.16
			2	-3.62
802.11n (HT20)	MIMO	2412	1	-2.42
			2	-4.53
		2437	1	-5.03
			2	-3.49
		2462	1	-3.42
			2	-4.25
802.11n (HT40)	MIMO	2422	1	-6.80
			2	-8.35
		2437	1	-7.39
			2	-7.08
		2452	1	-6.34
			2	-7.17
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

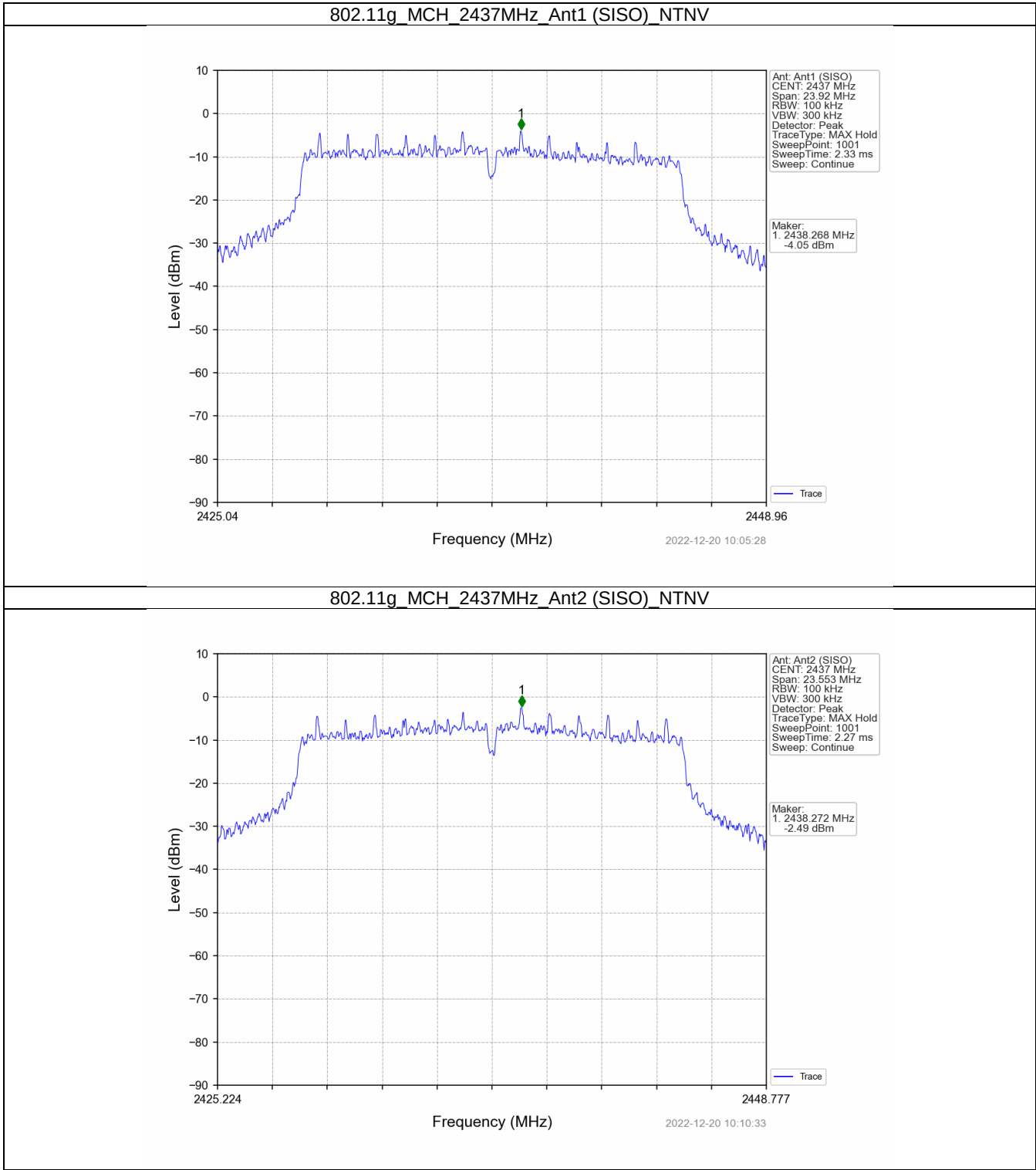
5.1.2 Test Graph

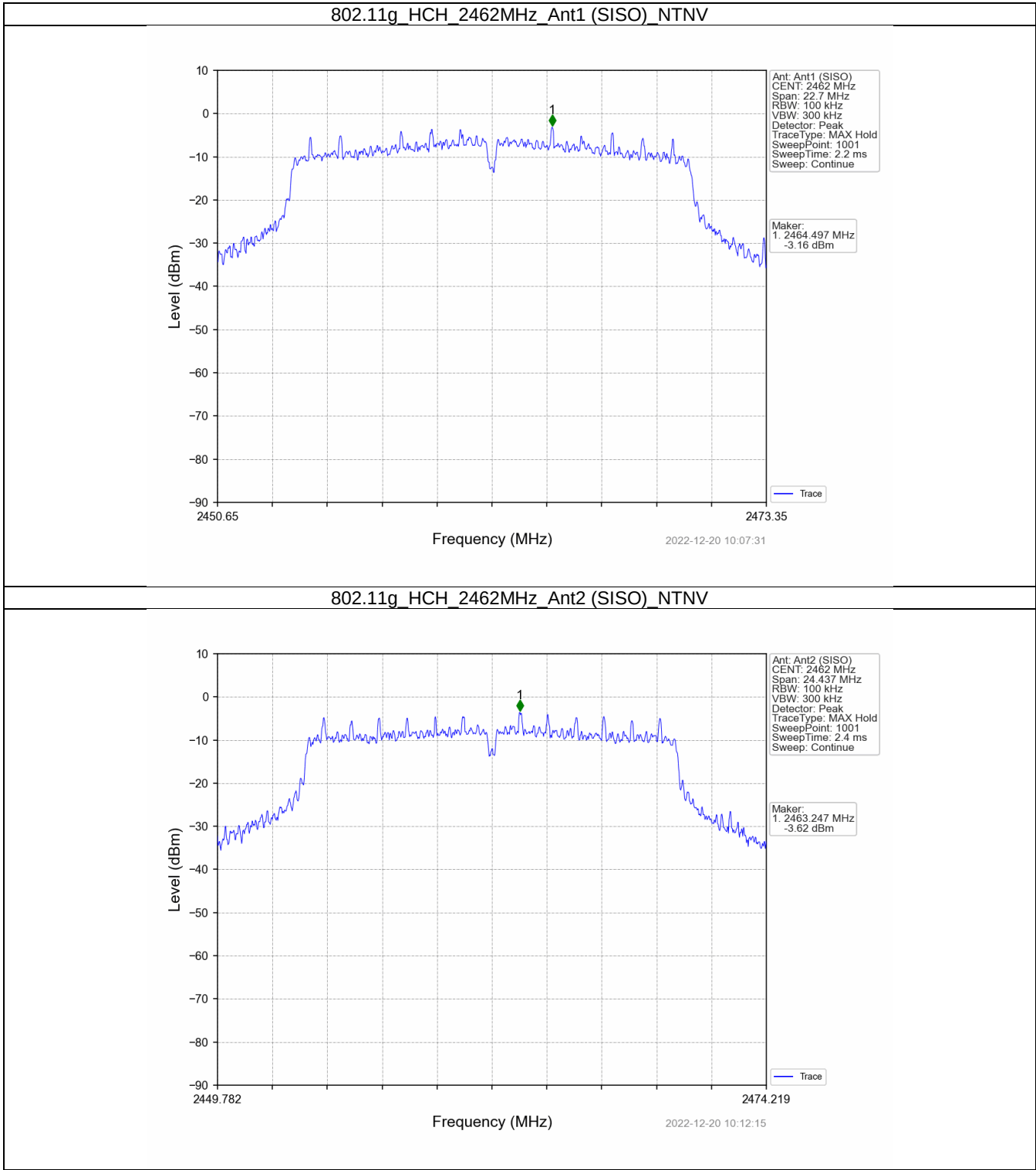


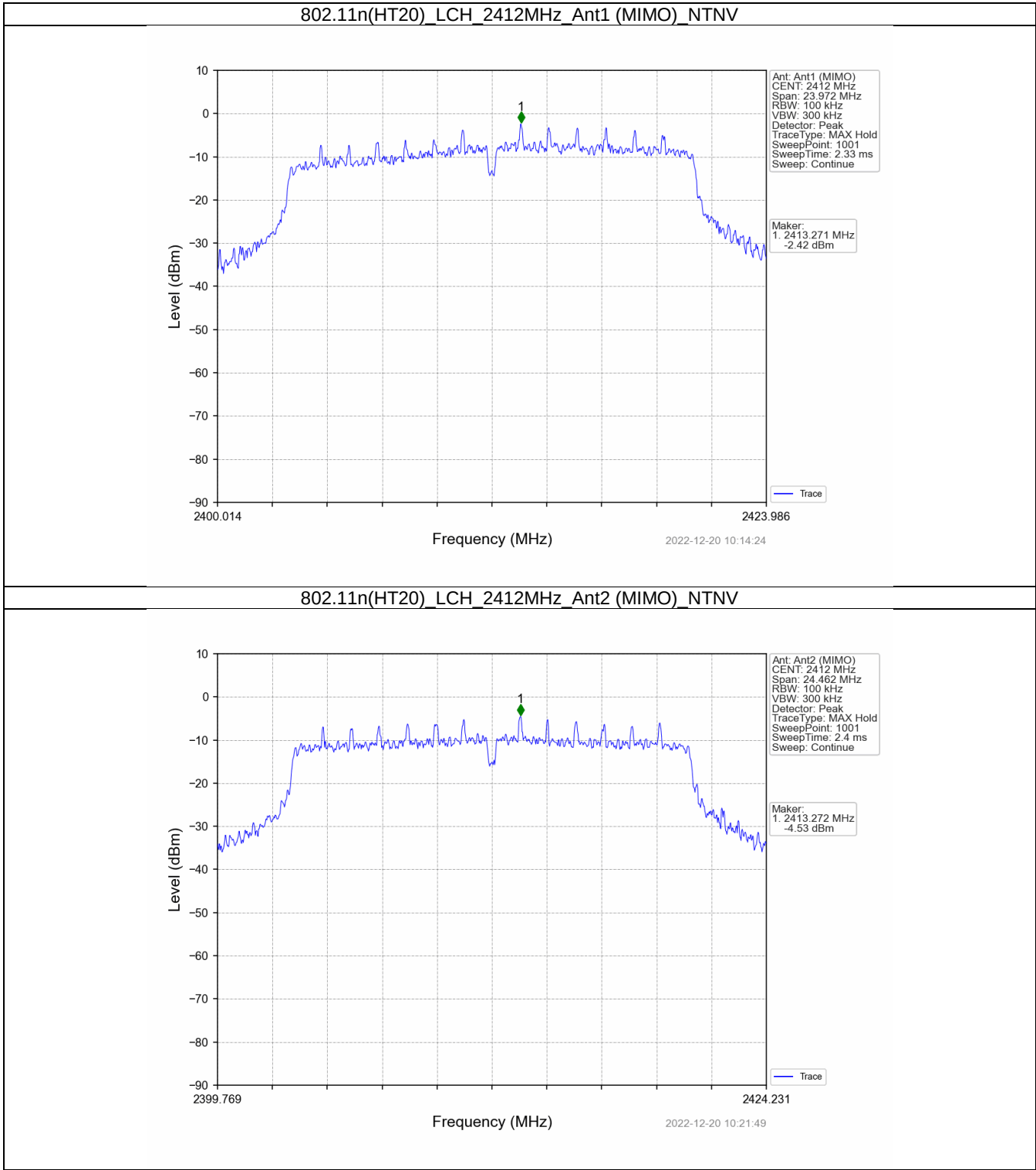


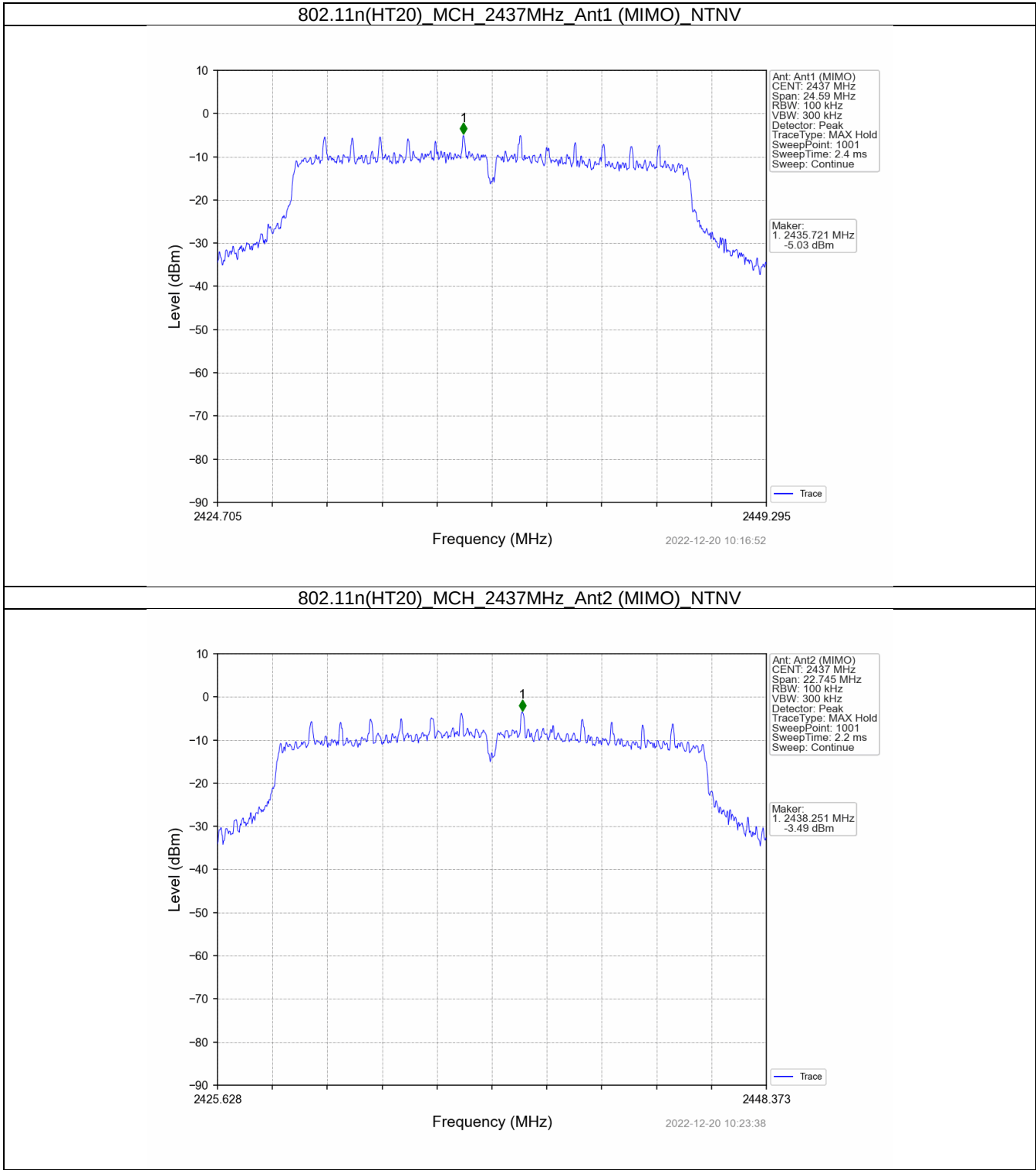


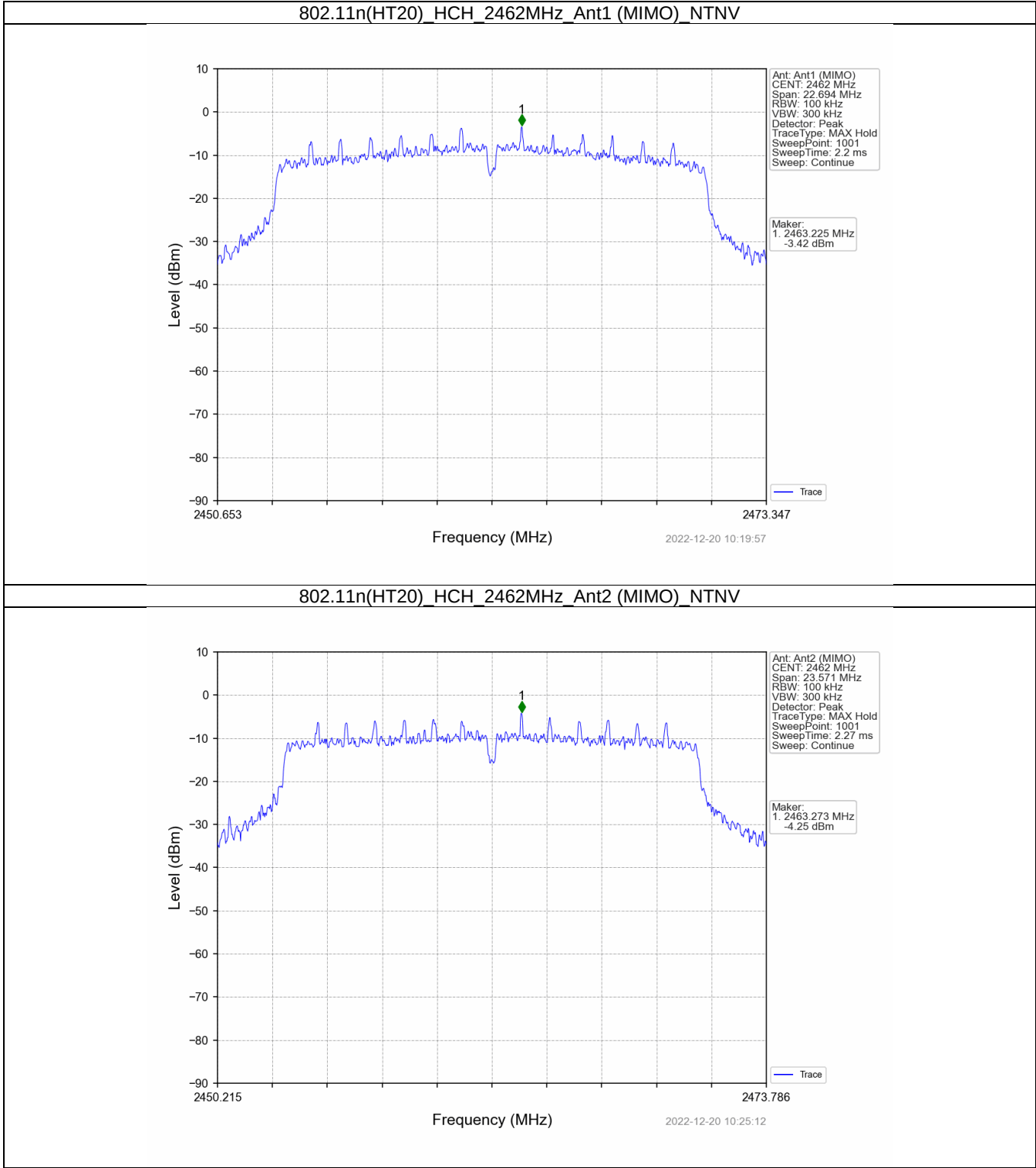


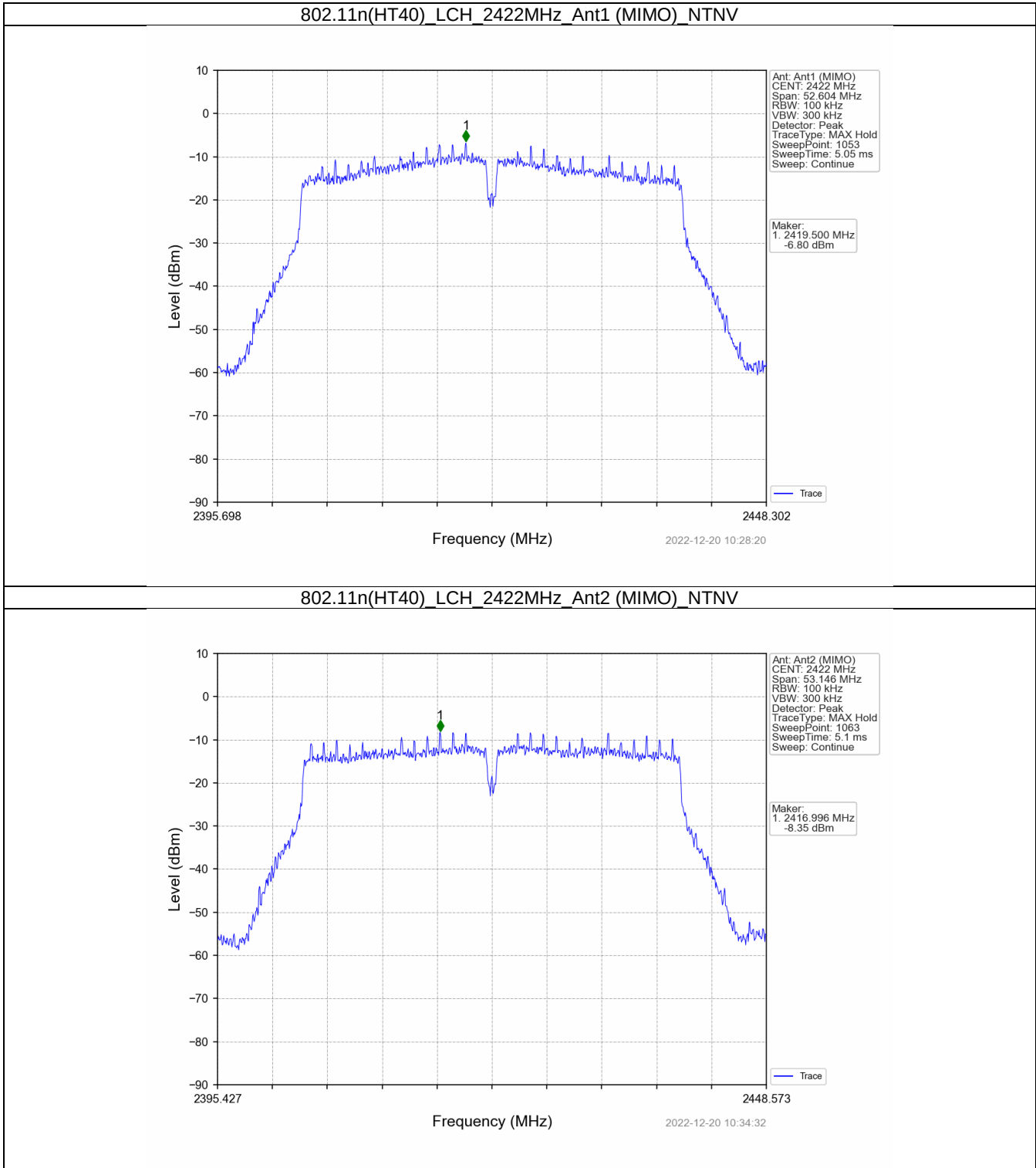


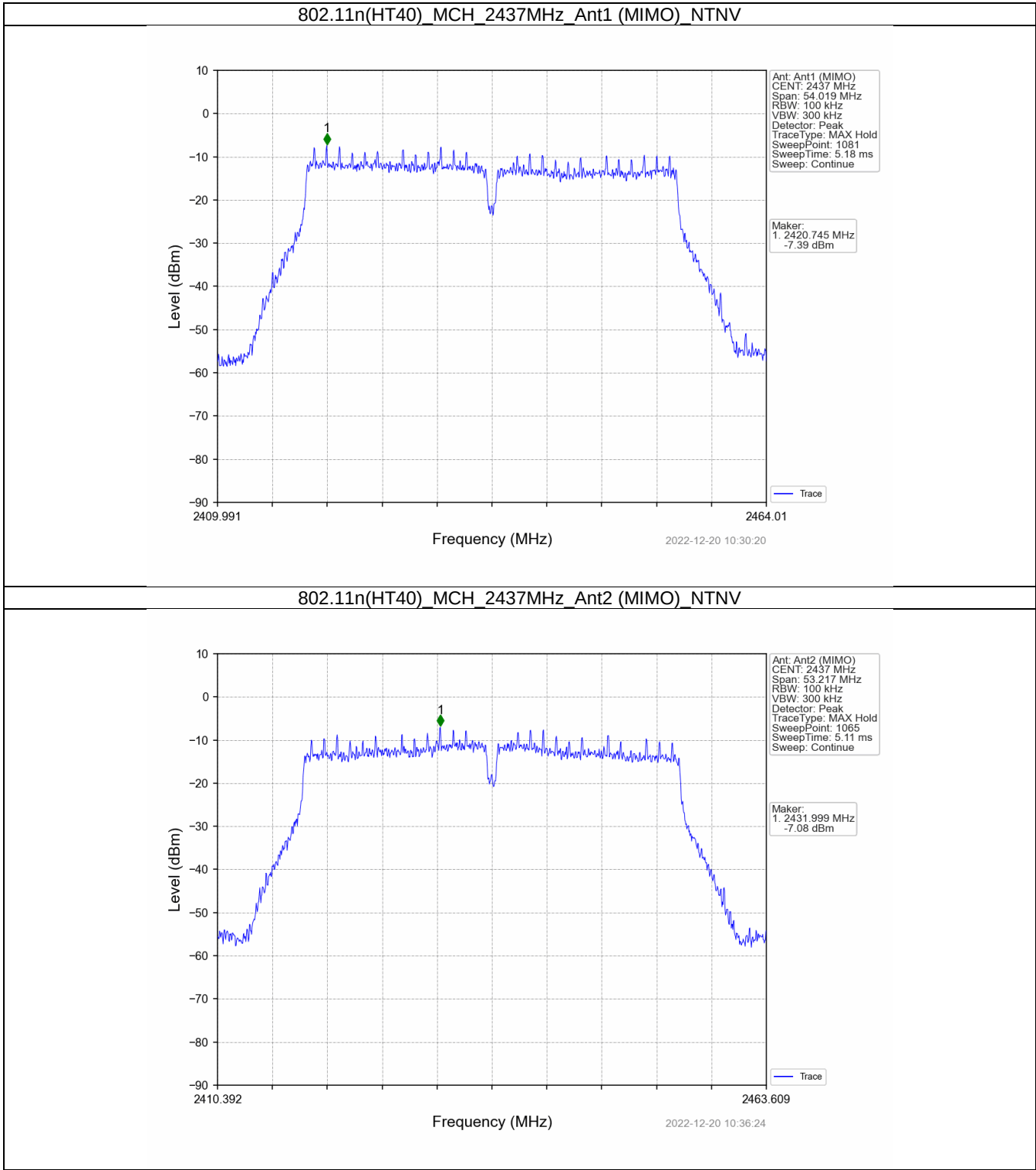


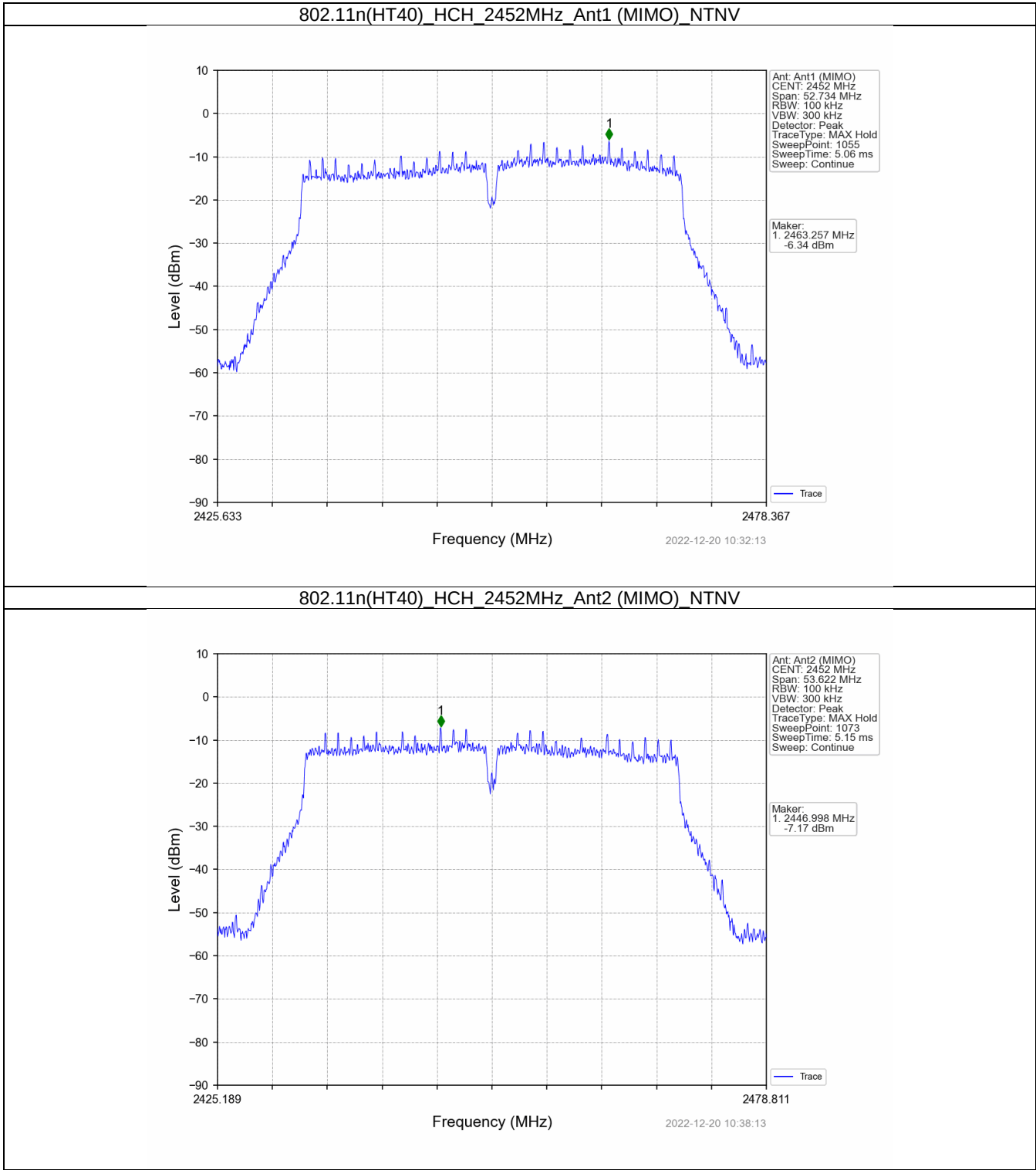












5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	4.77	-15.23	Pass
			2	4.96	-15.04	Pass
		2437	1	4.77	-15.23	Pass
			2	4.96	-15.04	Pass
		2462	1	4.77	-15.23	Pass
			2	4.96	-15.04	Pass
802.11g	SISO	2412	1	-2.44	-22.44	Pass
			2	-2.49	-22.49	Pass
		2437	1	-2.44	-22.44	Pass
			2	-2.49	-22.49	Pass
		2462	1	-2.44	-22.44	Pass
			2	-2.49	-22.49	Pass
802.11n (HT20)	MIMO	2412	1	-2.42	-22.42	Pass
			2	-3.49	-23.49	Pass
		2437	1	-2.42	-22.42	Pass
			2	-3.49	-23.49	Pass
		2462	1	-2.42	-22.42	Pass
			2	-3.49	-23.49	Pass
802.11n (HT40)	MIMO	2422	1	-6.34	-26.34	Pass
			2	-7.08	-27.08	Pass
		2437	1	-6.34	-26.34	Pass
			2	-7.08	-27.08	Pass
		2452	1	-6.34	-26.34	Pass
			2	-7.08	-27.08	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

5.2.2 Test Graph

