

4.3 PSD (WiFi Module 1 + WiFi Module 2)

4.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			Module 1	Module 2	MIMO	Limit	
802.11g	MIMO	2412	-17.01	-18.79	-14.80	<=8	Pass
		2437	-16.95	-19.20	-14.92	<=8	Pass
		2462	-17.87	-19.96	-15.78	<=8	Pass
802.11n (HT20)	MIMO	2412	-19.99	-15.10	-13.88	<=8	Pass
		2437	-20.11	-19.52	-16.79	<=8	Pass
		2462	-19.65	-19.24	-16.43	<=8	Pass
802.11n (HT40)	MIMO	2422	-23.70	-23.79	-20.73	<=8	Pass
		2437	-23.81	-24.06	-20.92	<=8	Pass
		2452	-23.67	-23.70	-20.67	<=8	Pass

Note1: Antenna Gain: WiFi Module 1: 2.97dBi; WiFi Module 2: 2.50dBi;
 Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=2.74dBi)

5. Unwanted Emissions In Non-restricted Frequency Bands

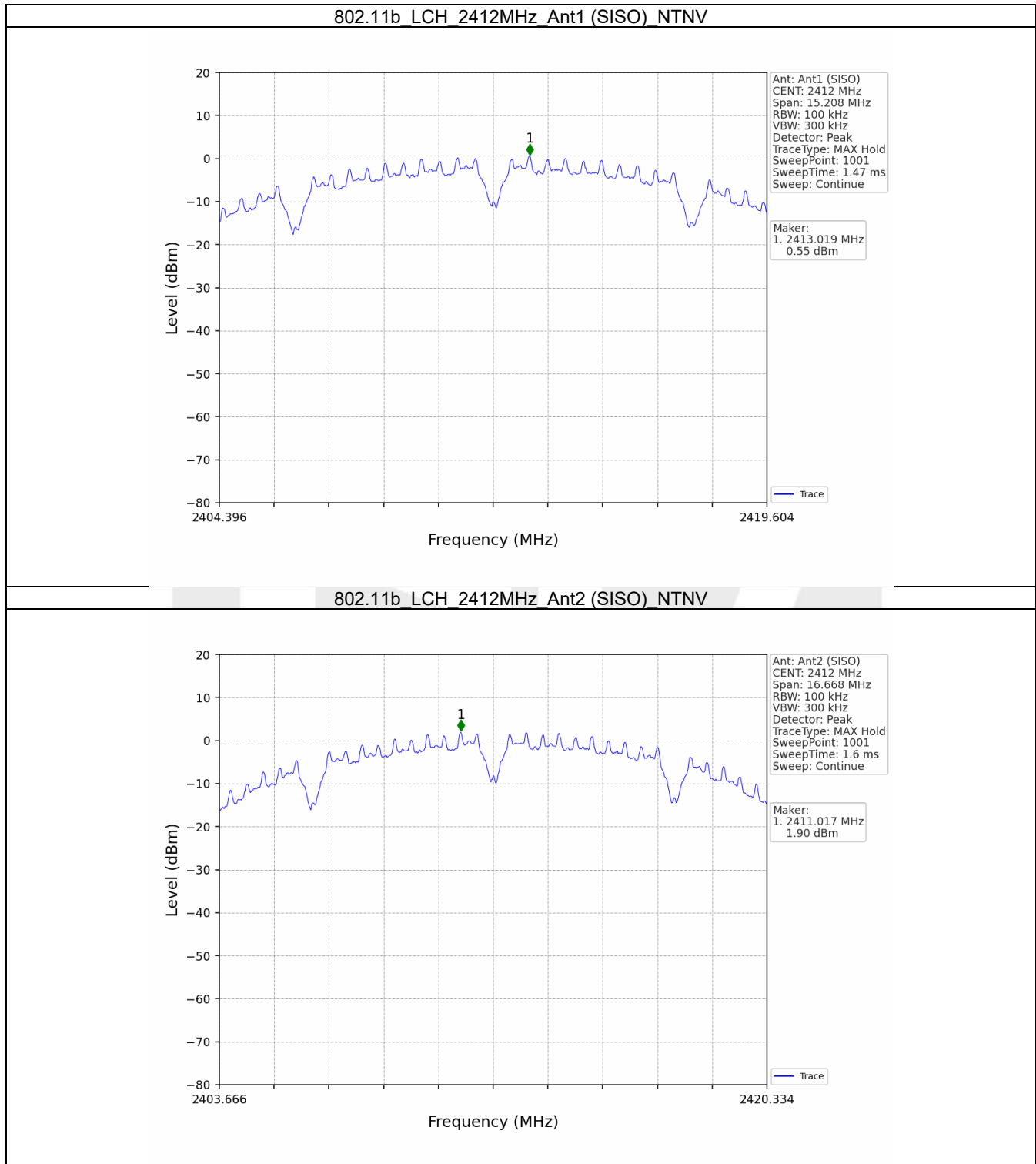
5.1.1 Ref (WiFi Module 1)

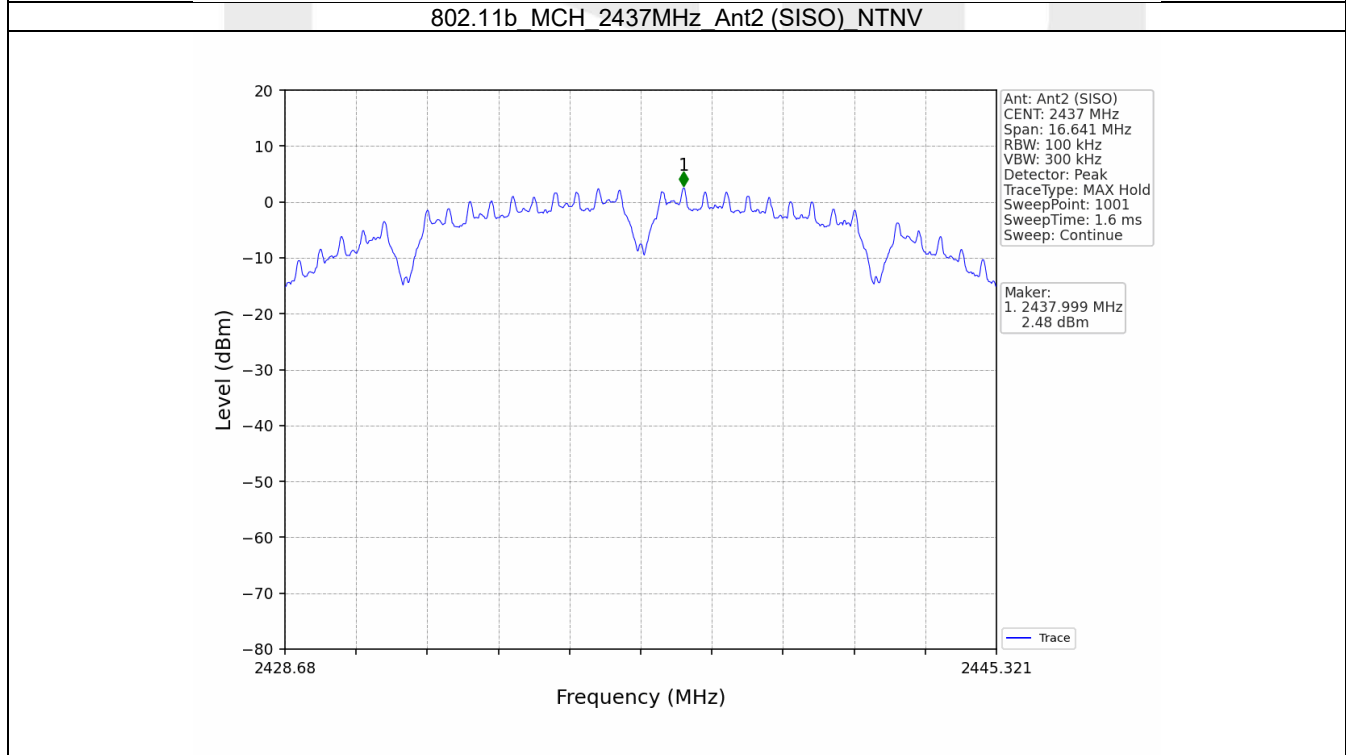
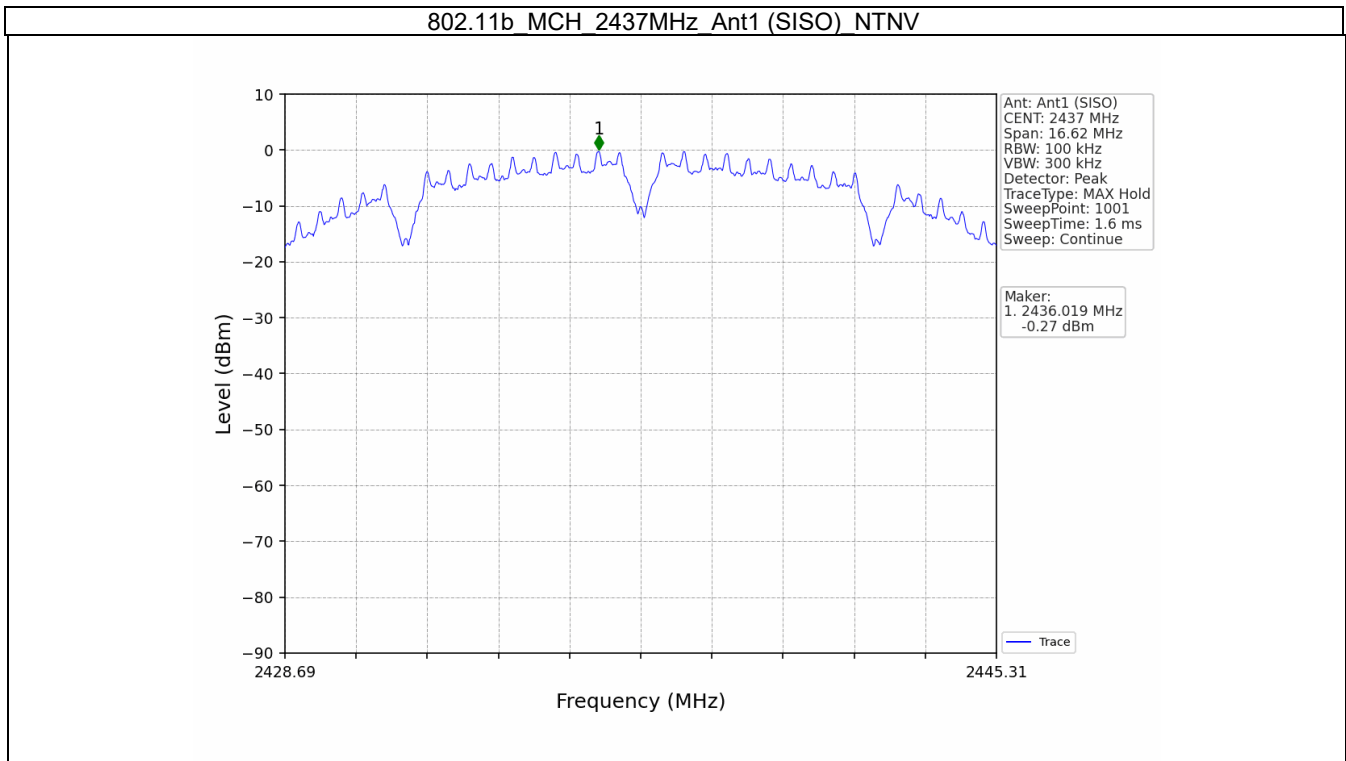
5.1.1.1 Test Result

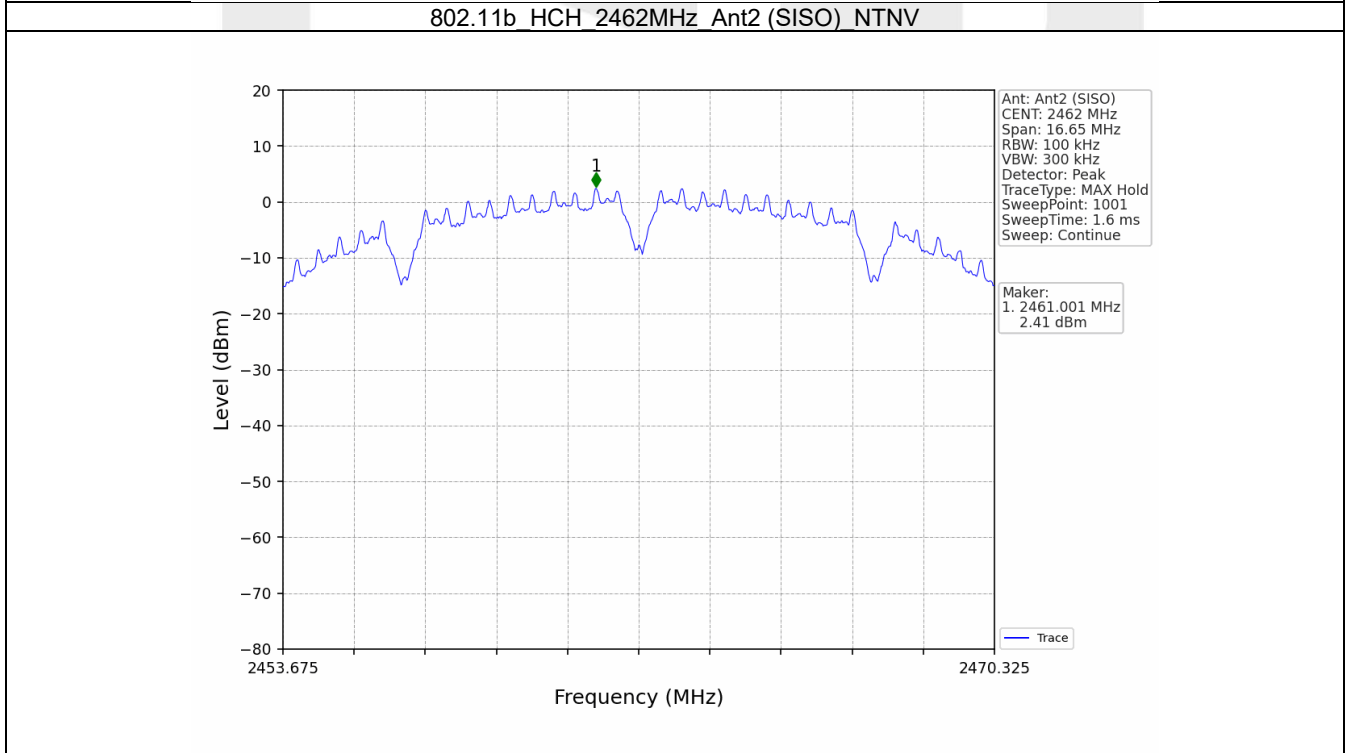
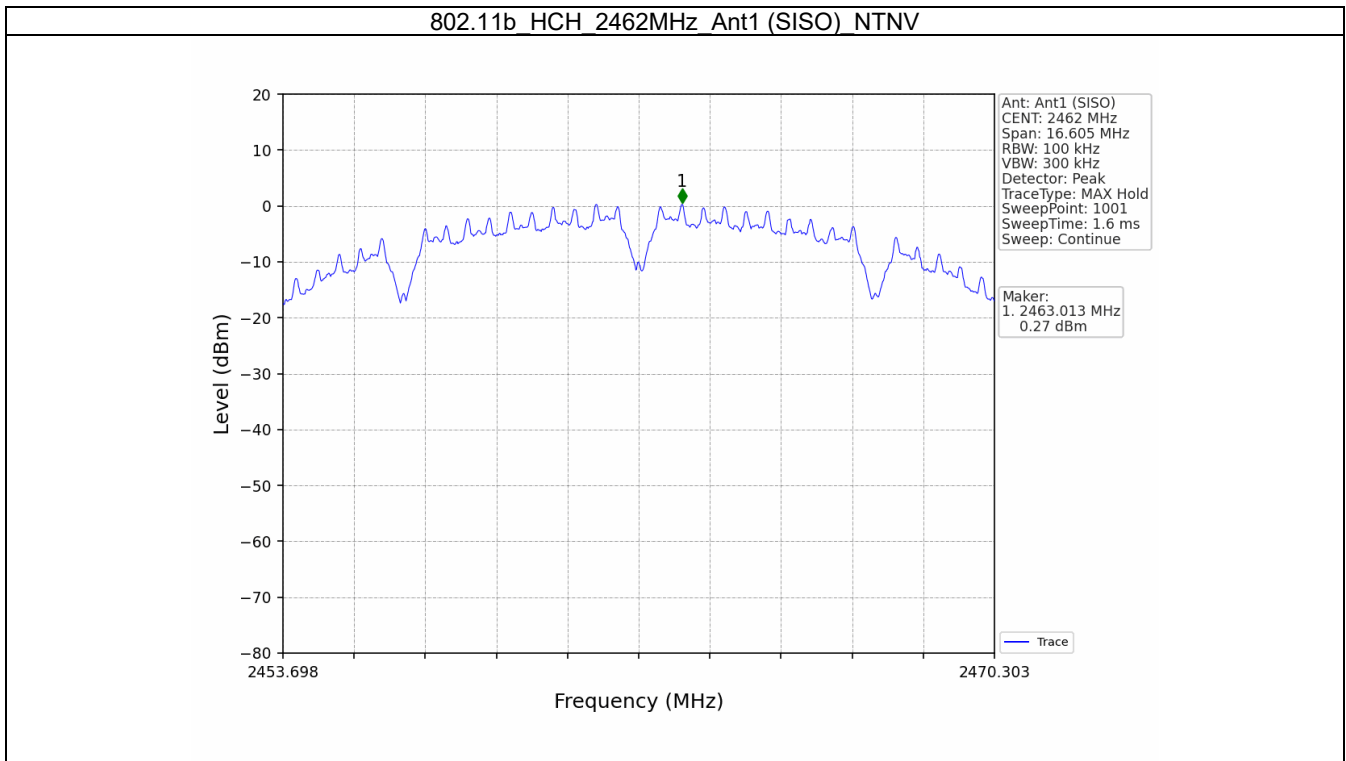
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	0.55
			2	1.90
		2437	1	-0.27
			2	2.48
		2462	1	0.27
			2	2.41
802.11g	SISO	2412	1	-3.47
			2	-5.62
		2437	1	-4.37
			2	-5.98
		2462	1	-4.31
			2	-7.65
802.11n (HT20)	SISO	2412	1	-9.41
			2	-7.91
		2437	1	-9.91
			2	-7.96
		2462	1	-9.45
			2	-7.83
802.11n (HT40)	SISO	2422	1	-12.39
			2	-11.50
		2437	1	-12.83
			2	-11.48
		2452	1	-12.46
			2	-11.35

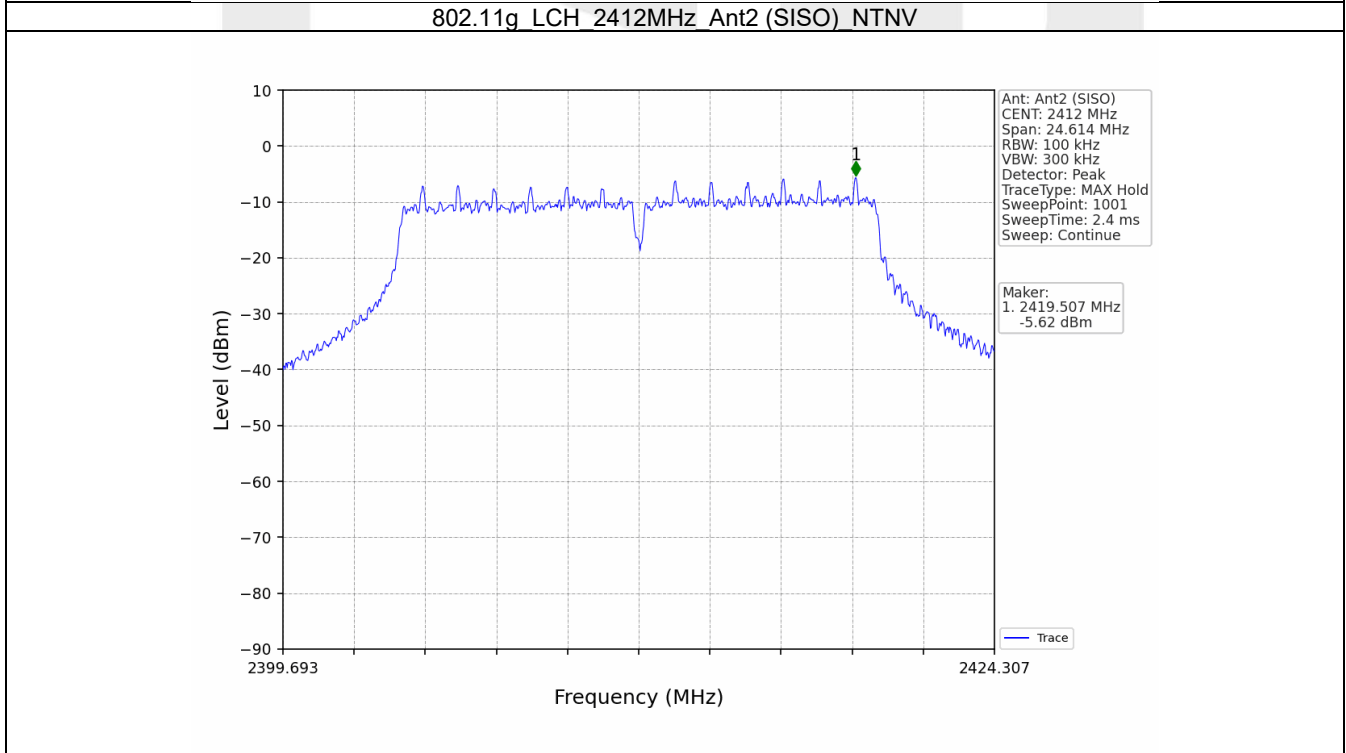
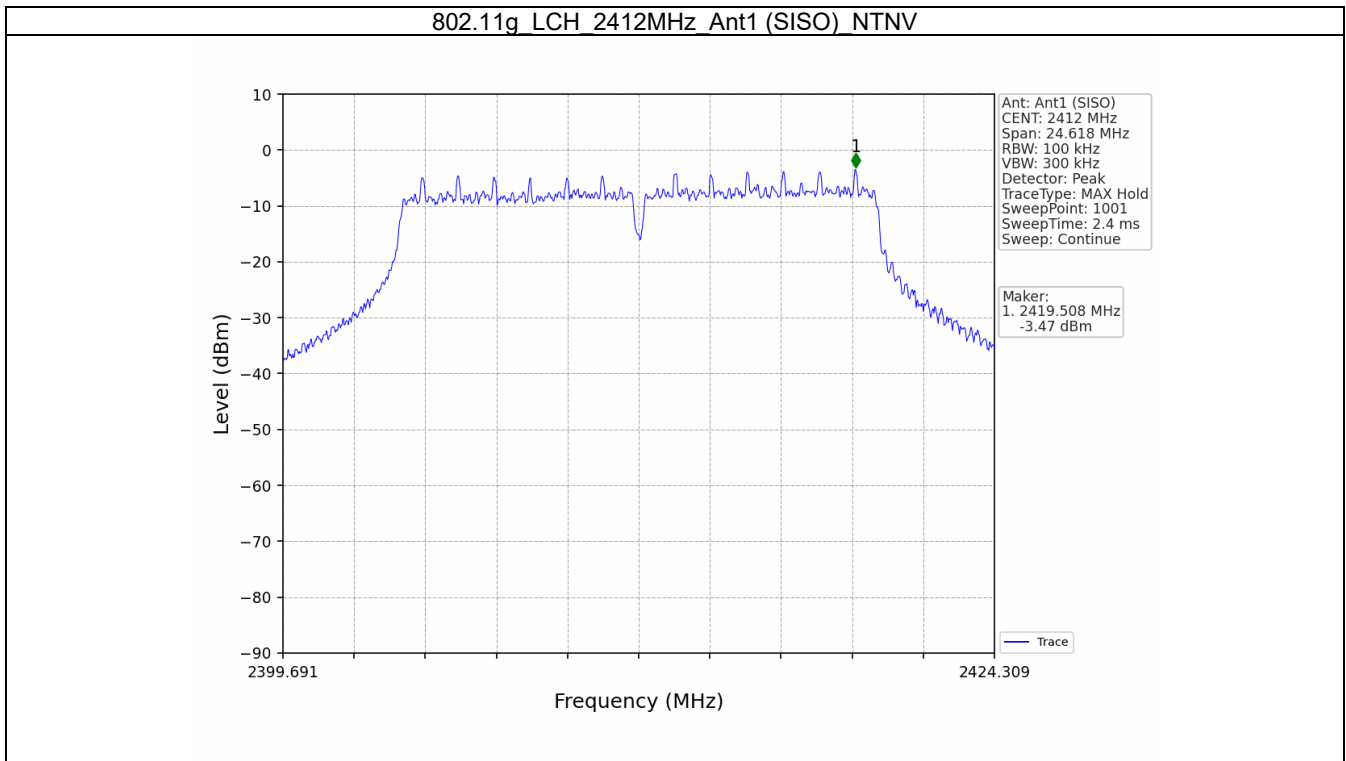
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

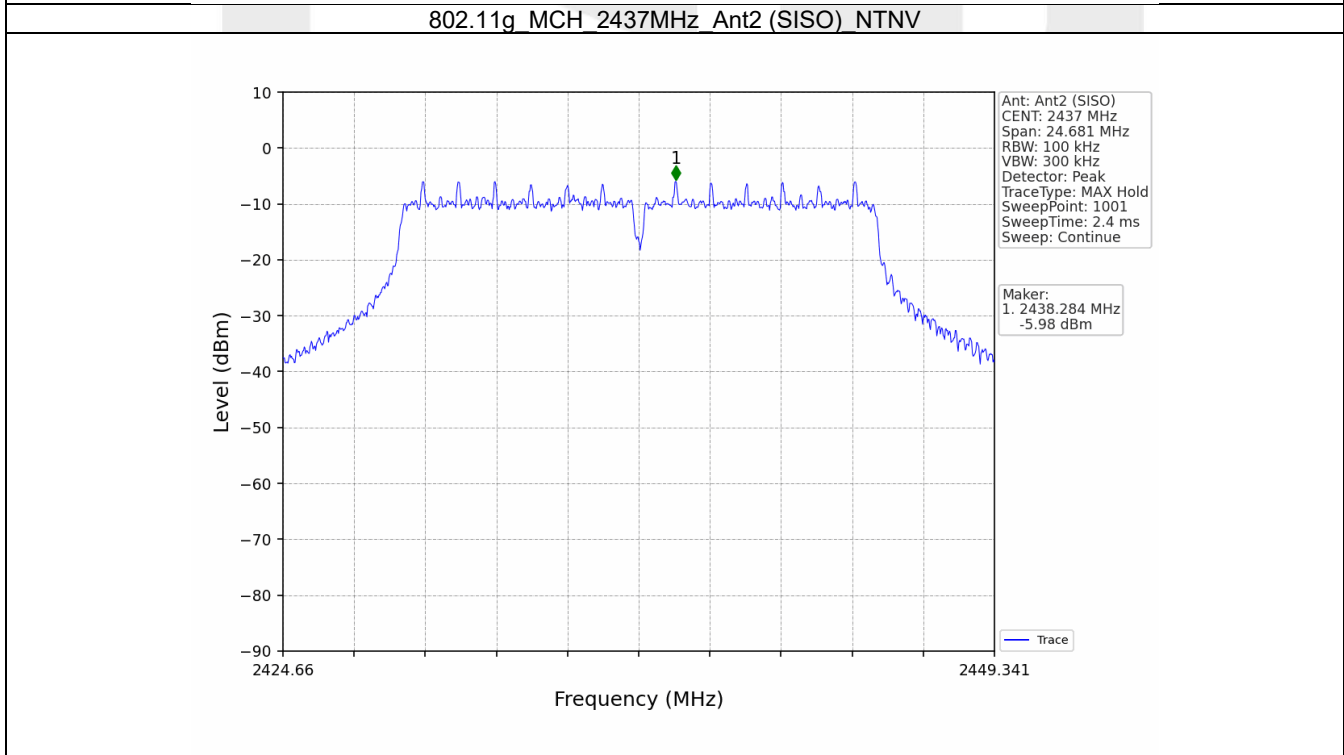
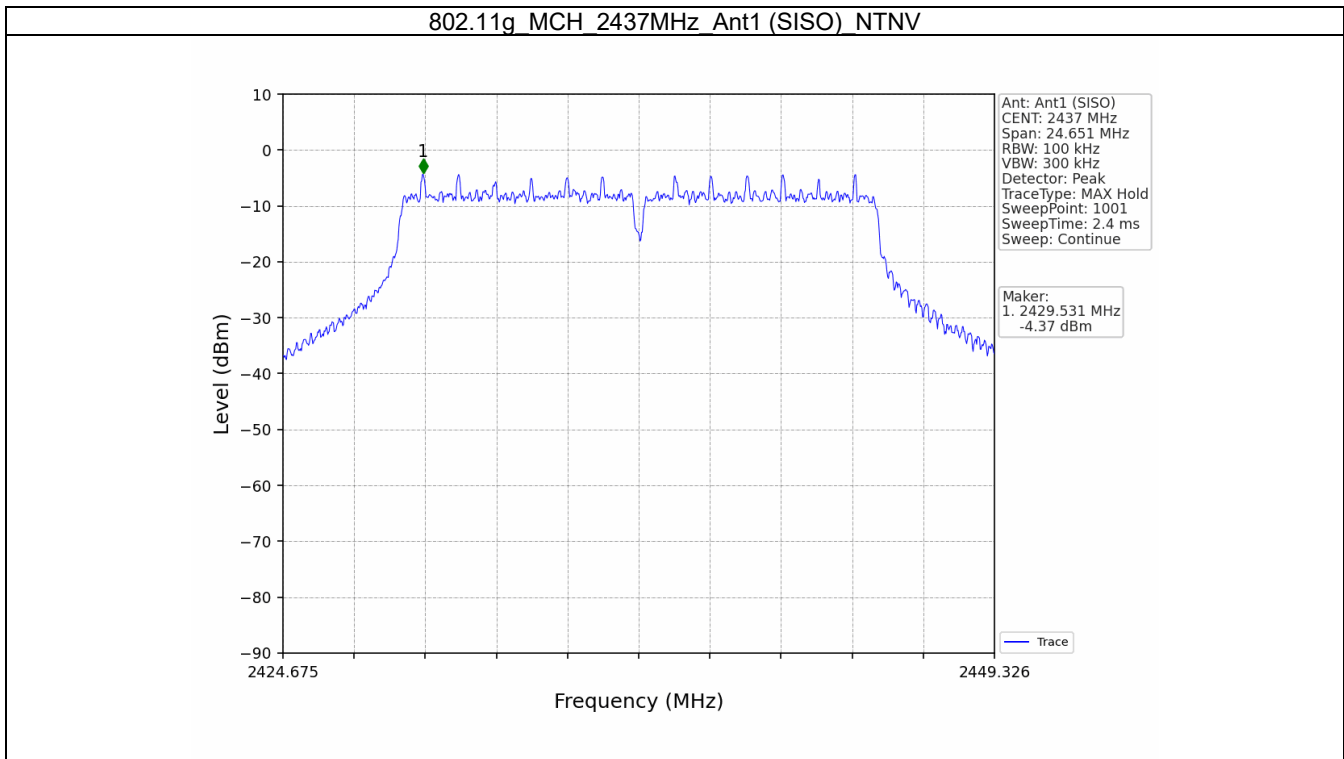
5.1.2 Test Graph

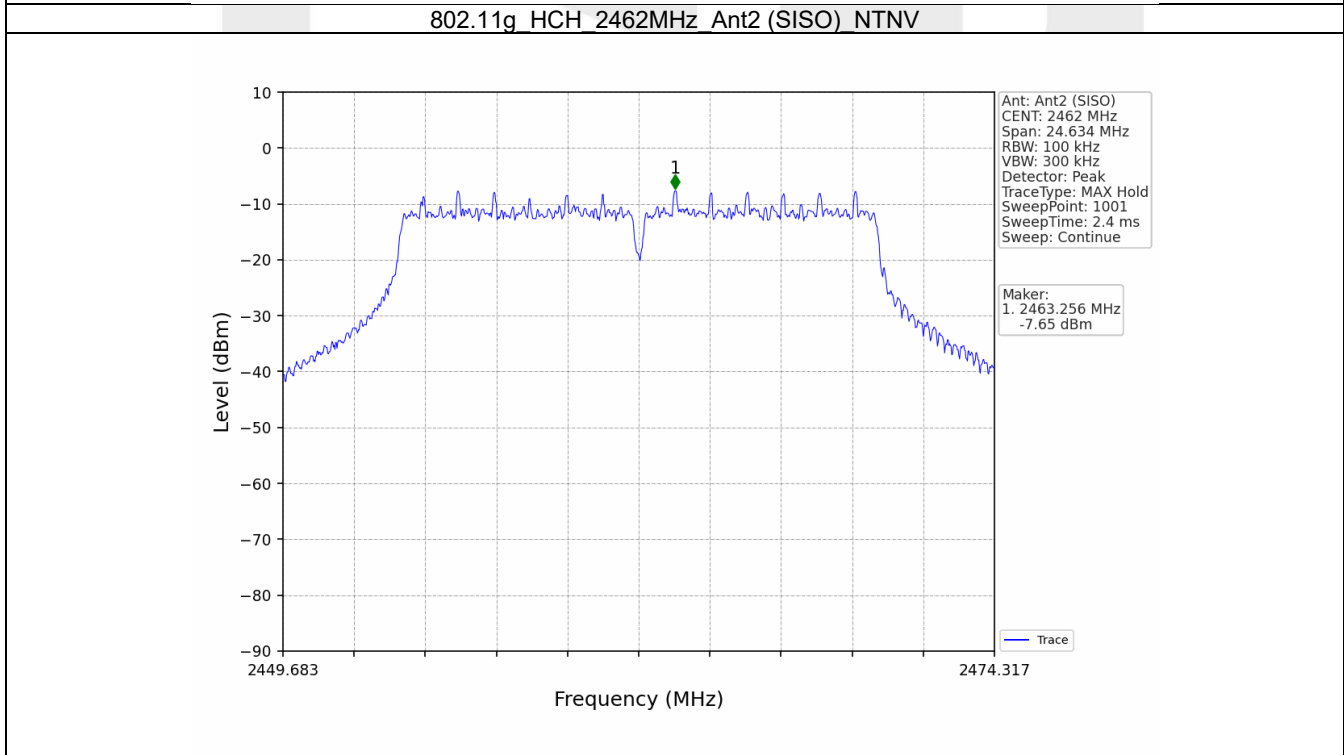
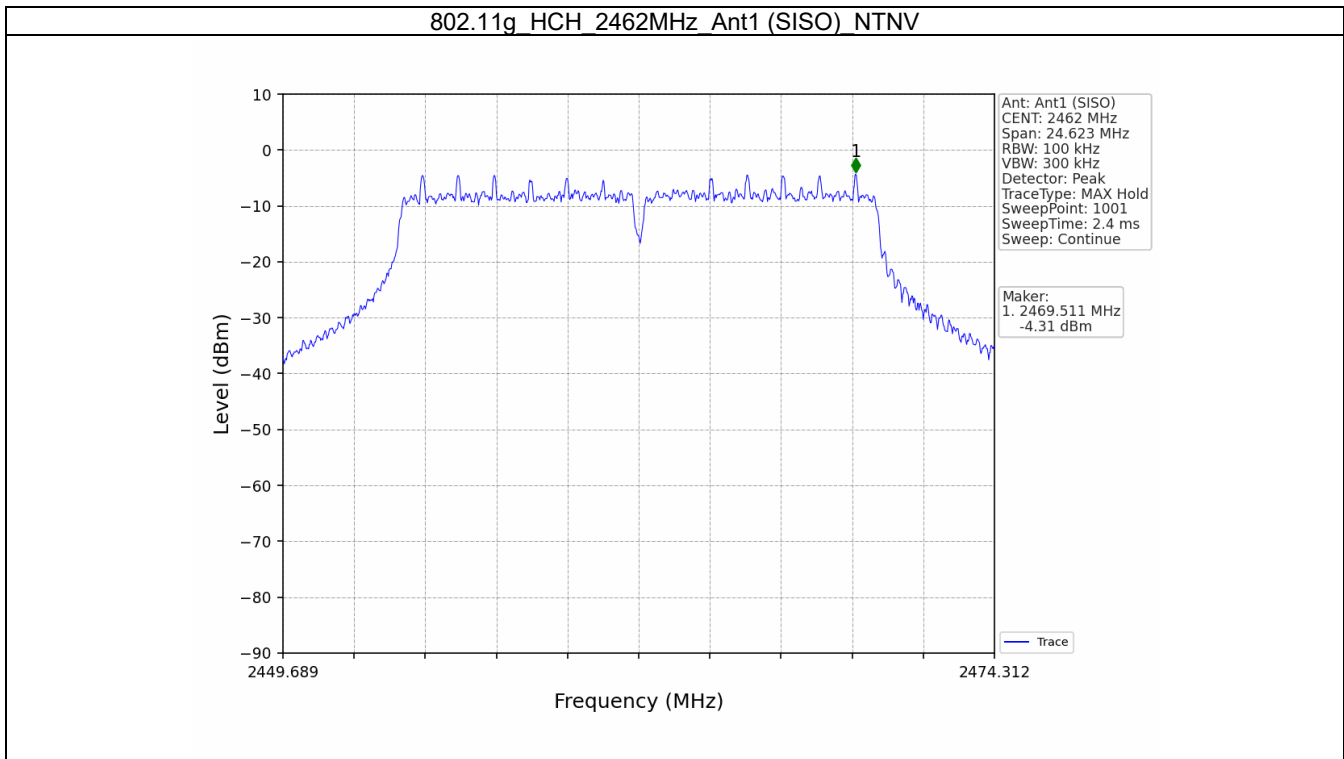


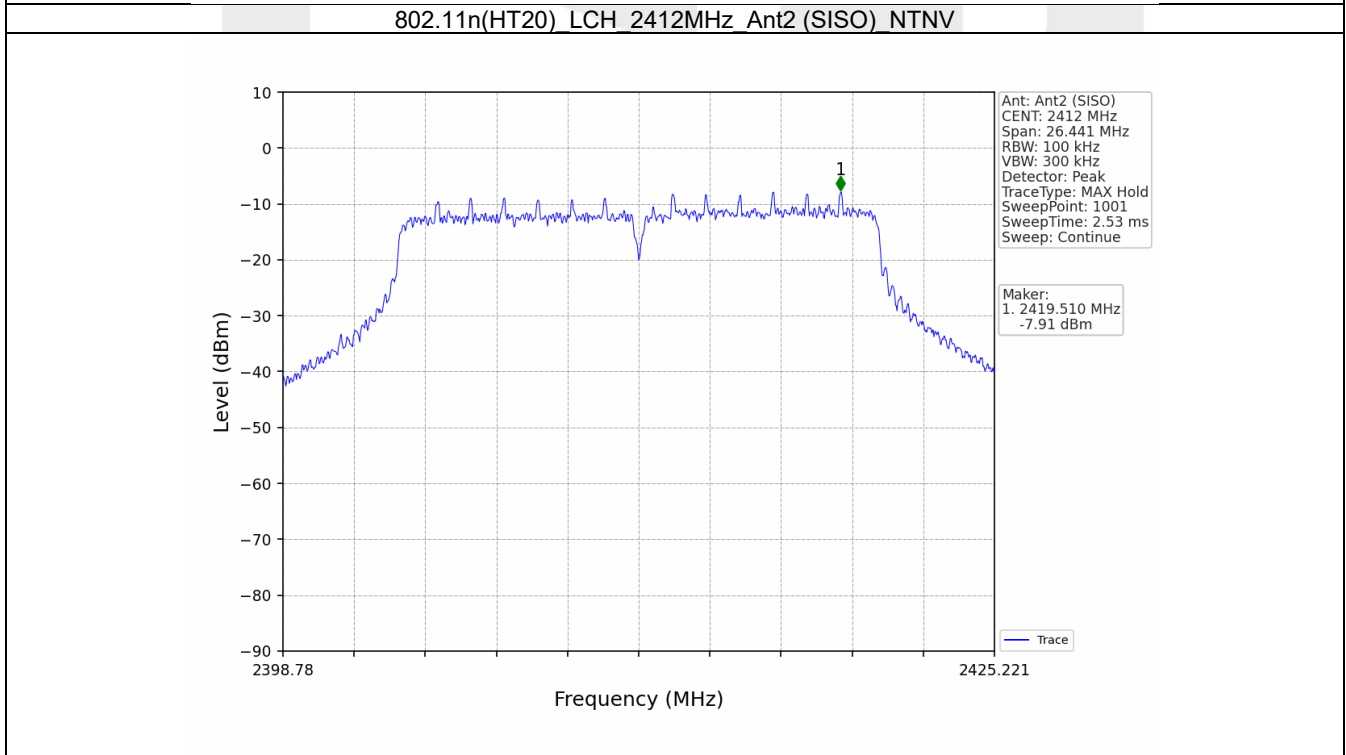
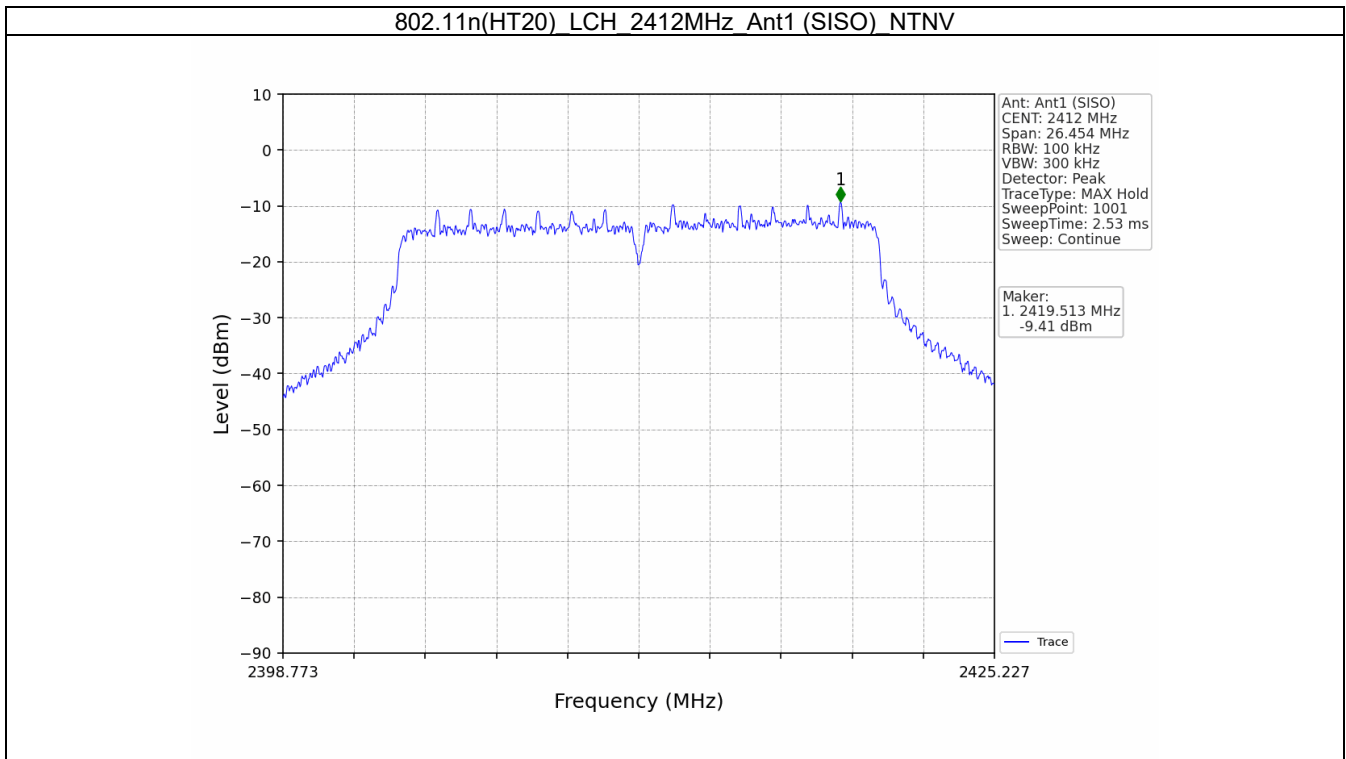


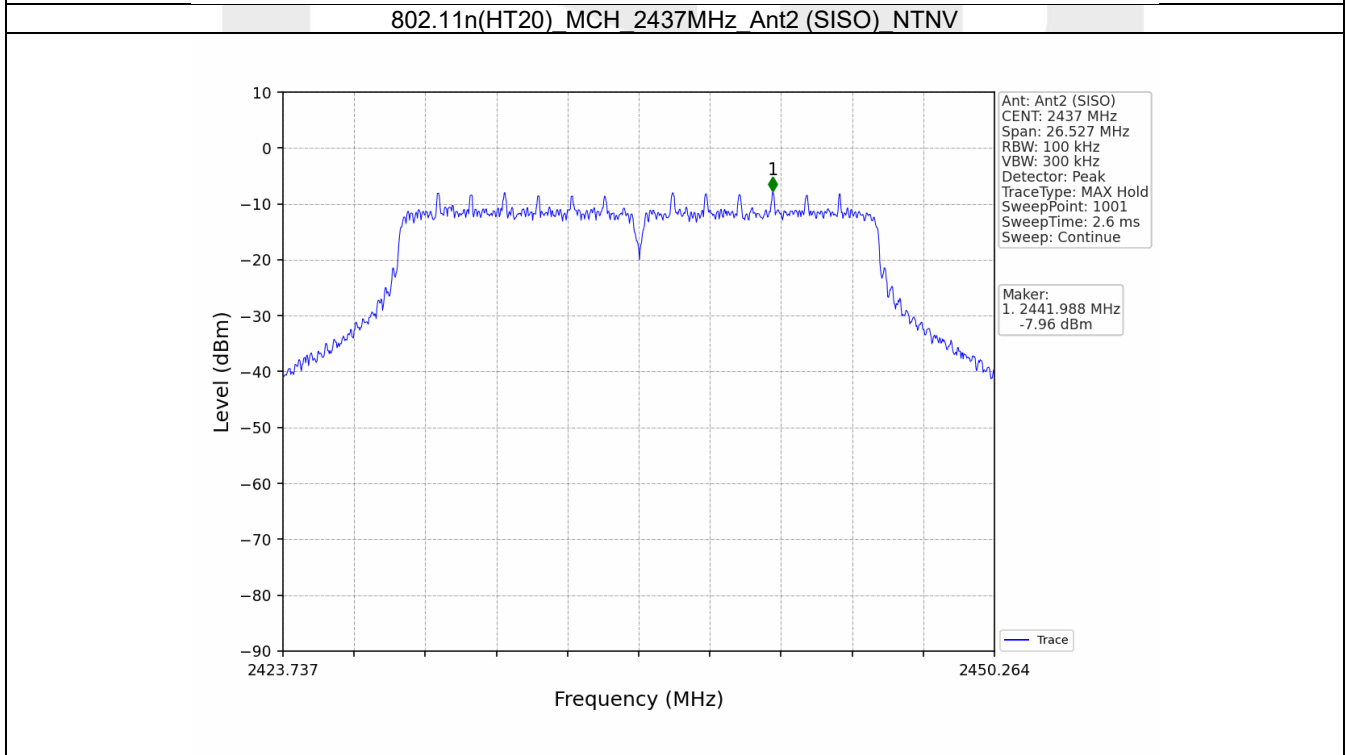
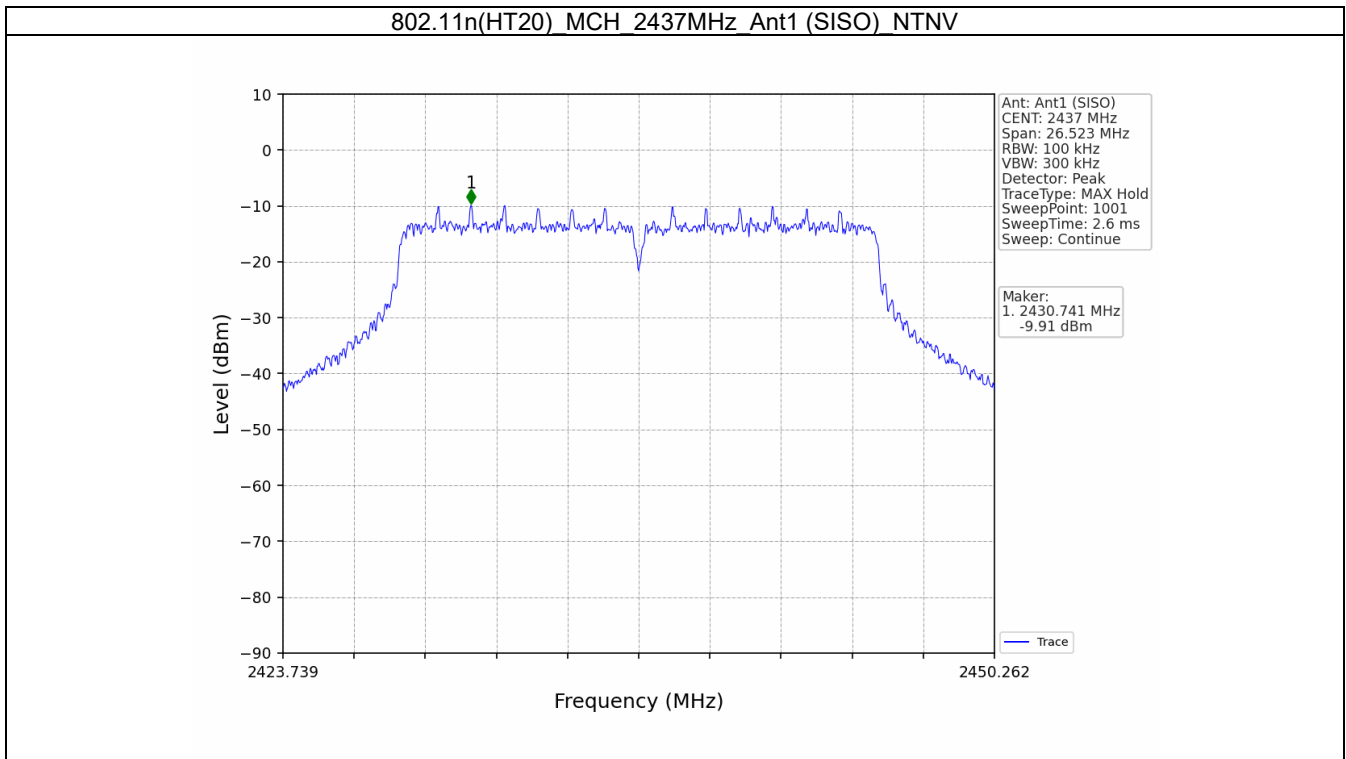


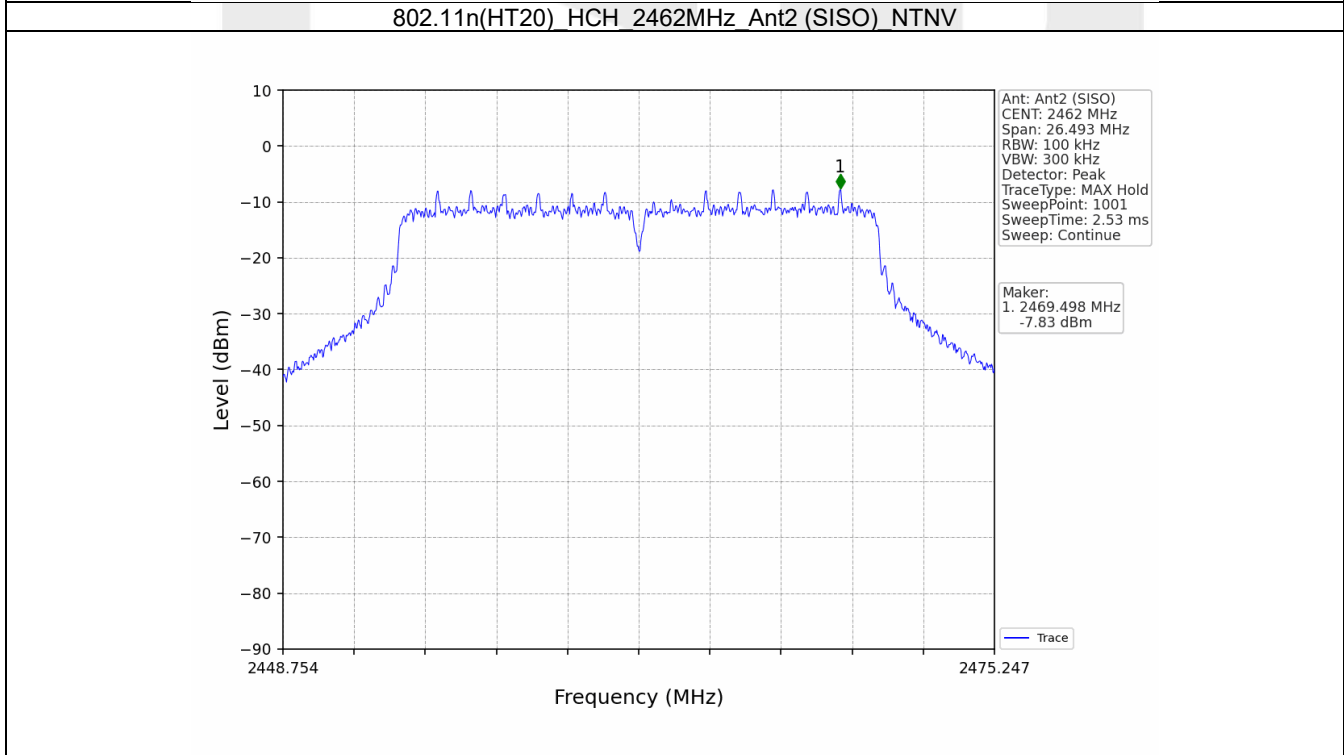
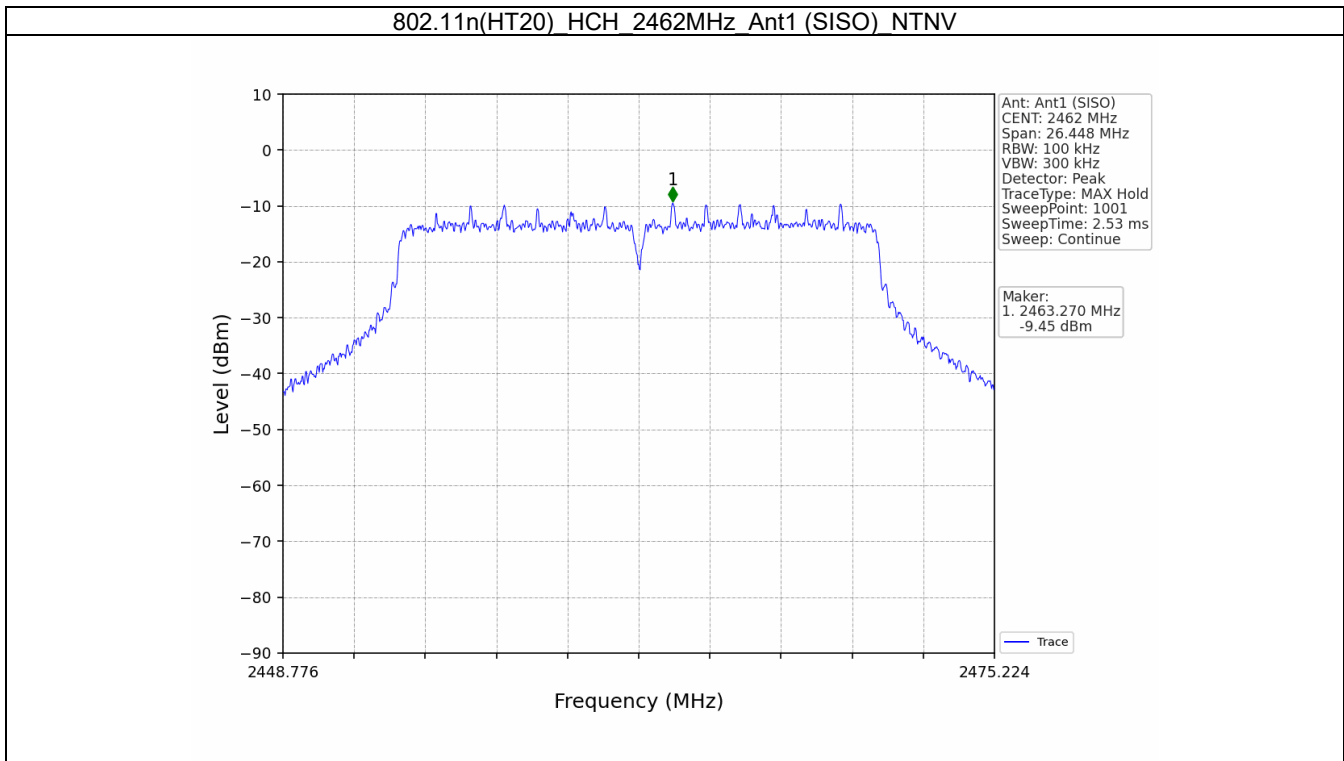


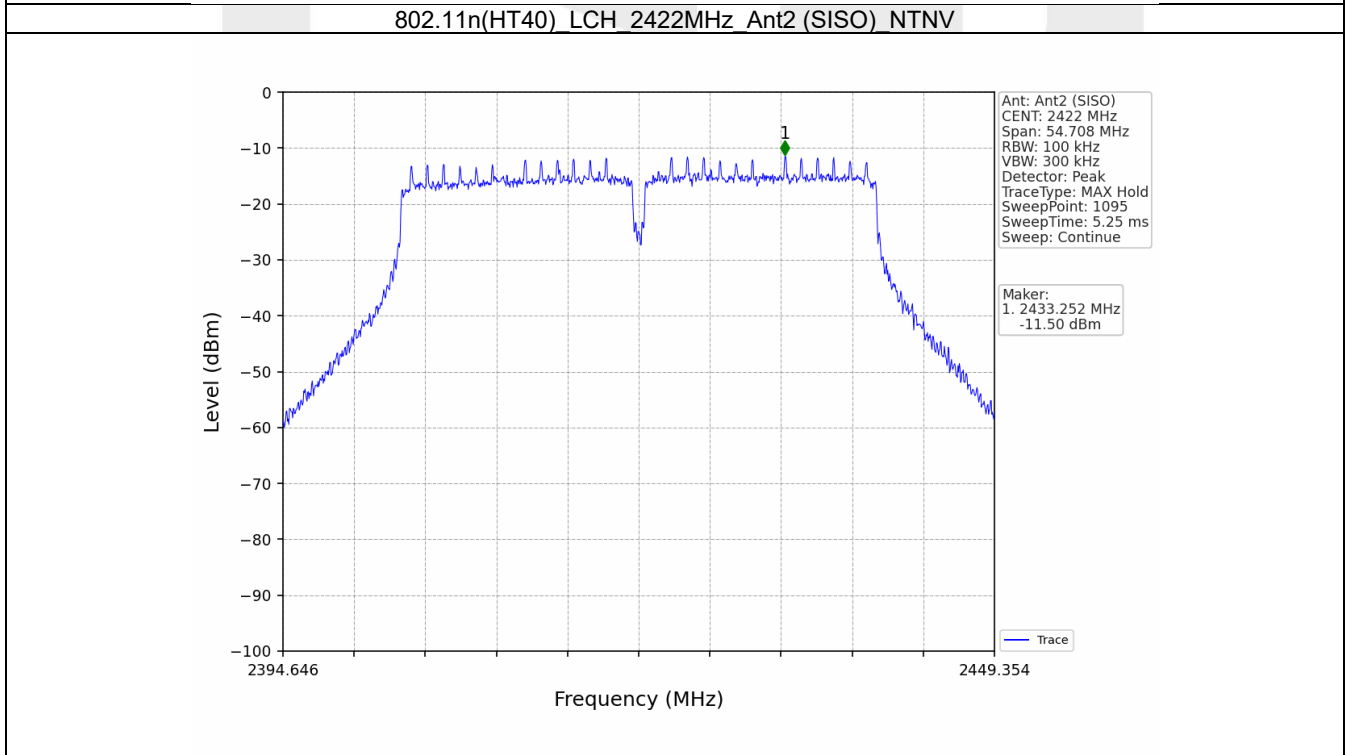
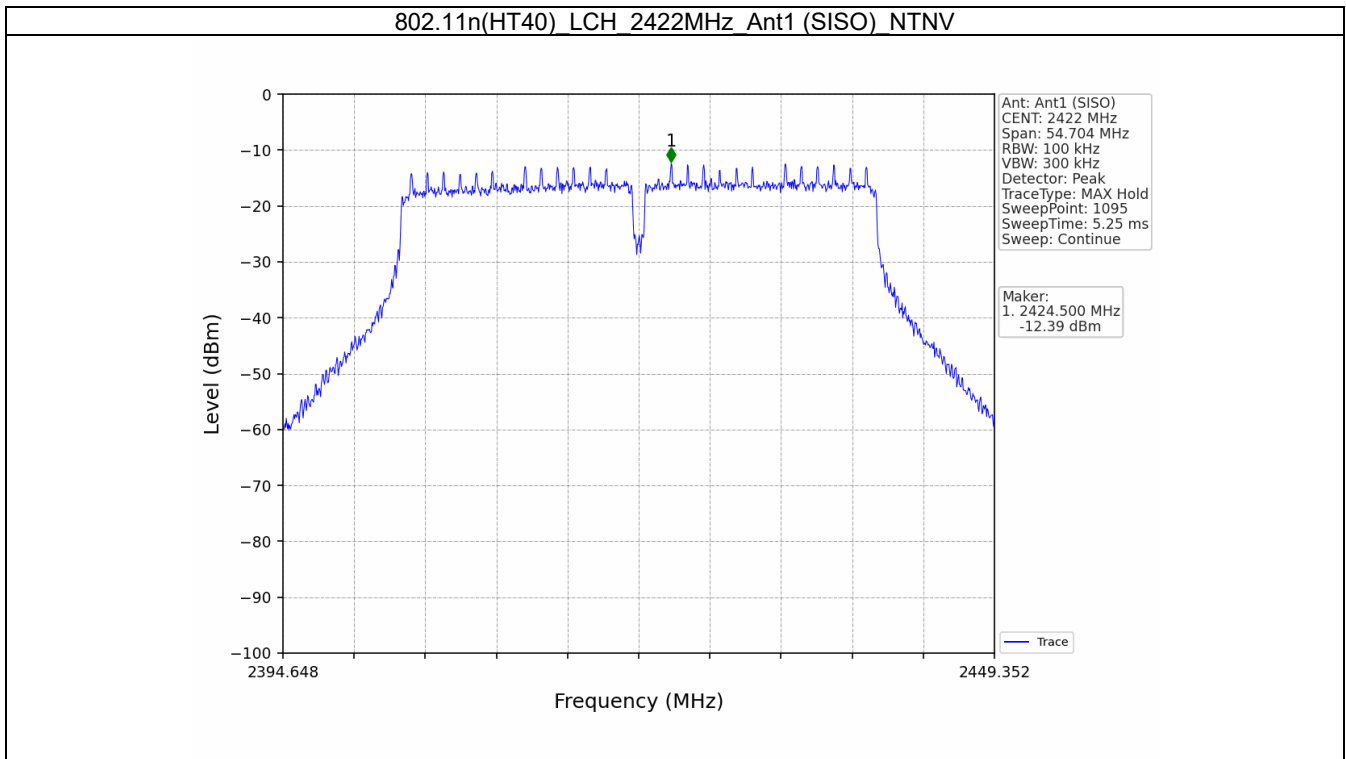


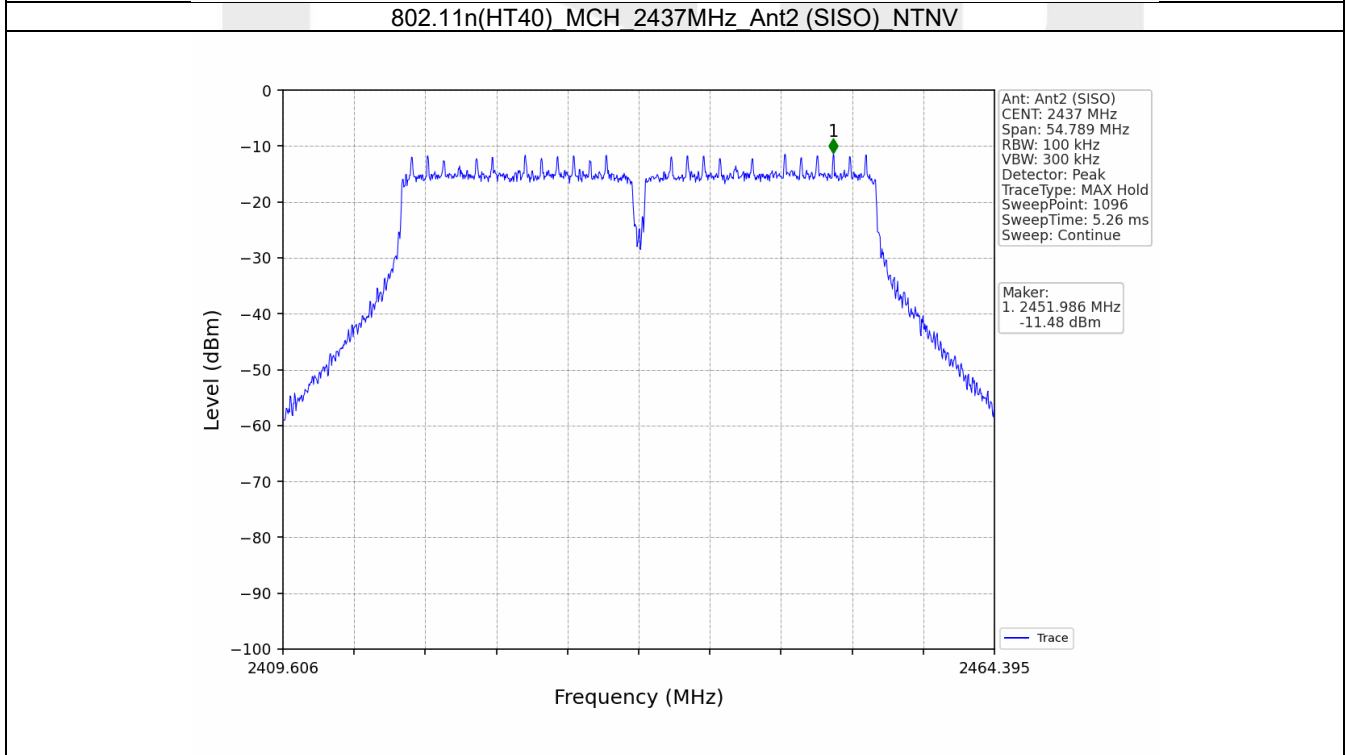
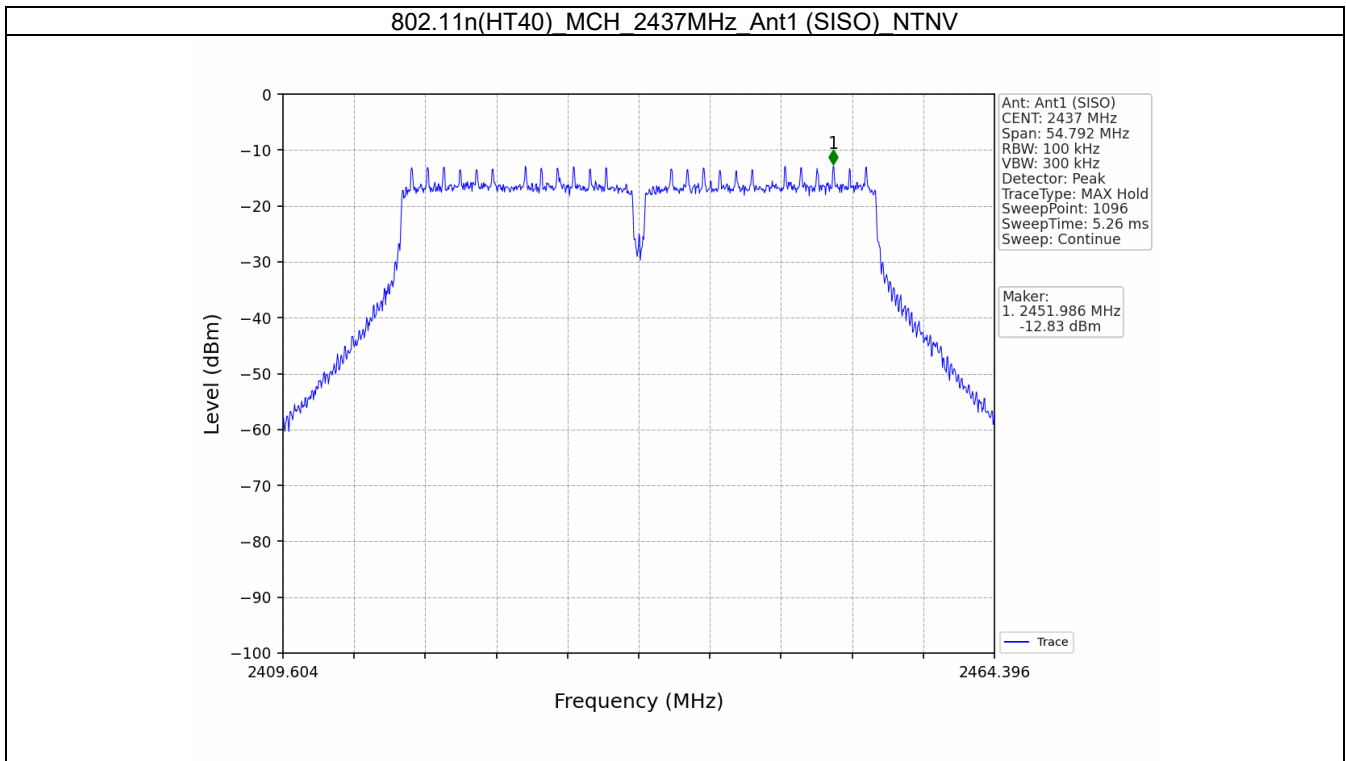


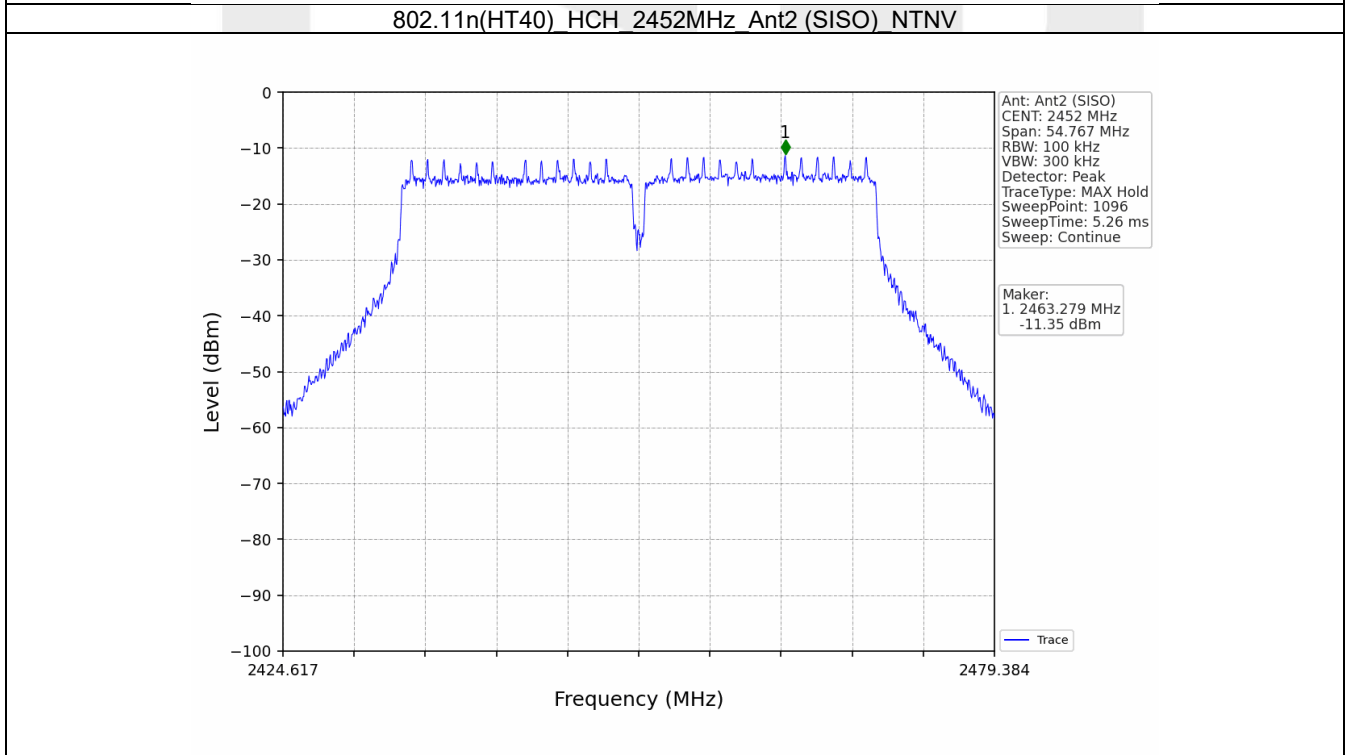
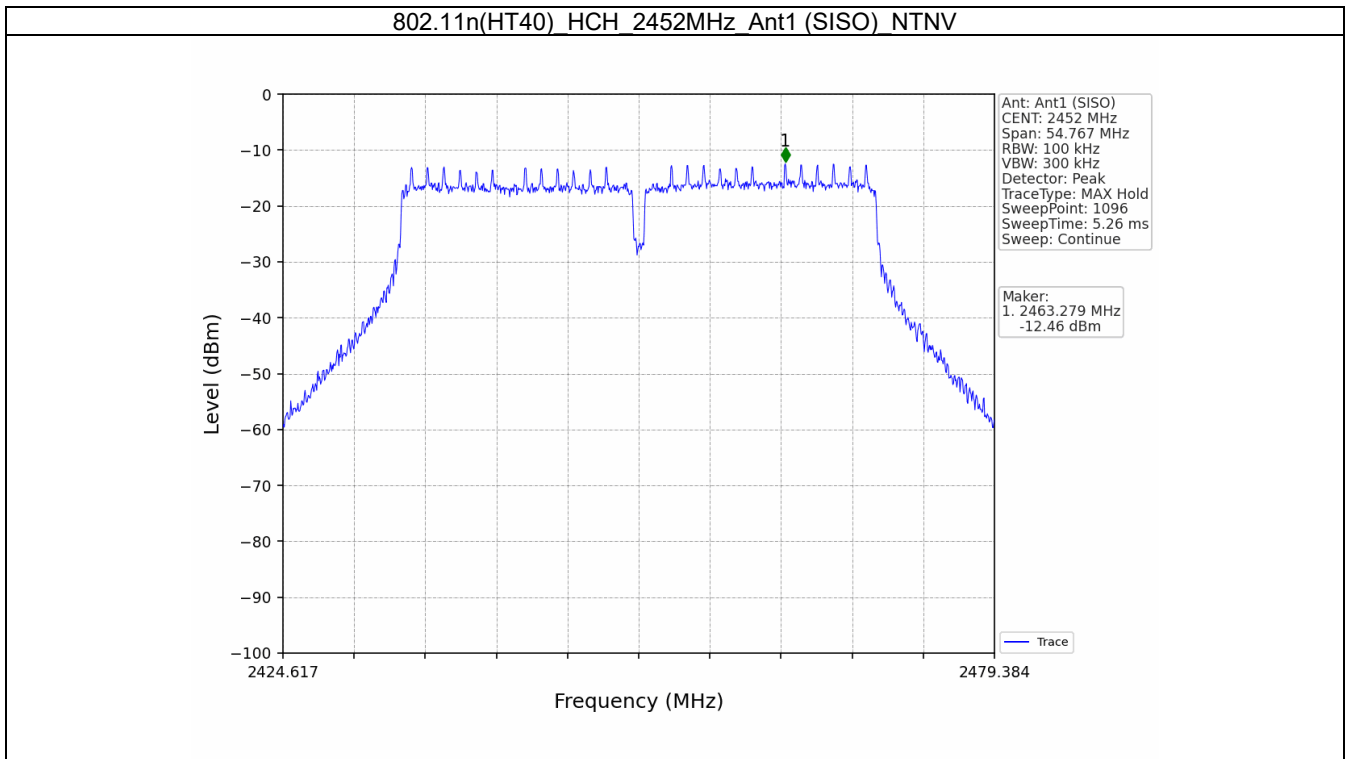












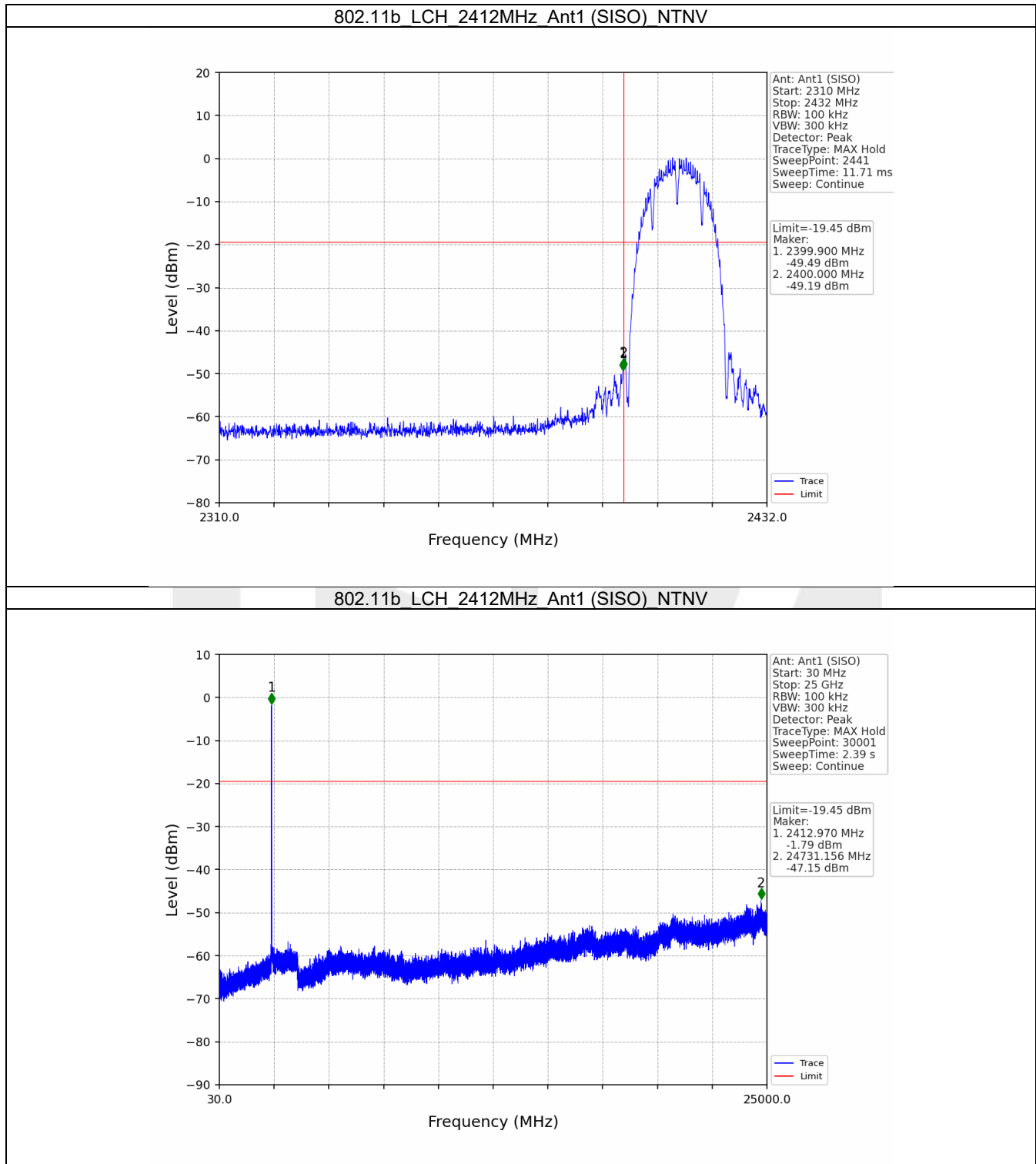
5.1.2 CSE (WiFi Module 1)

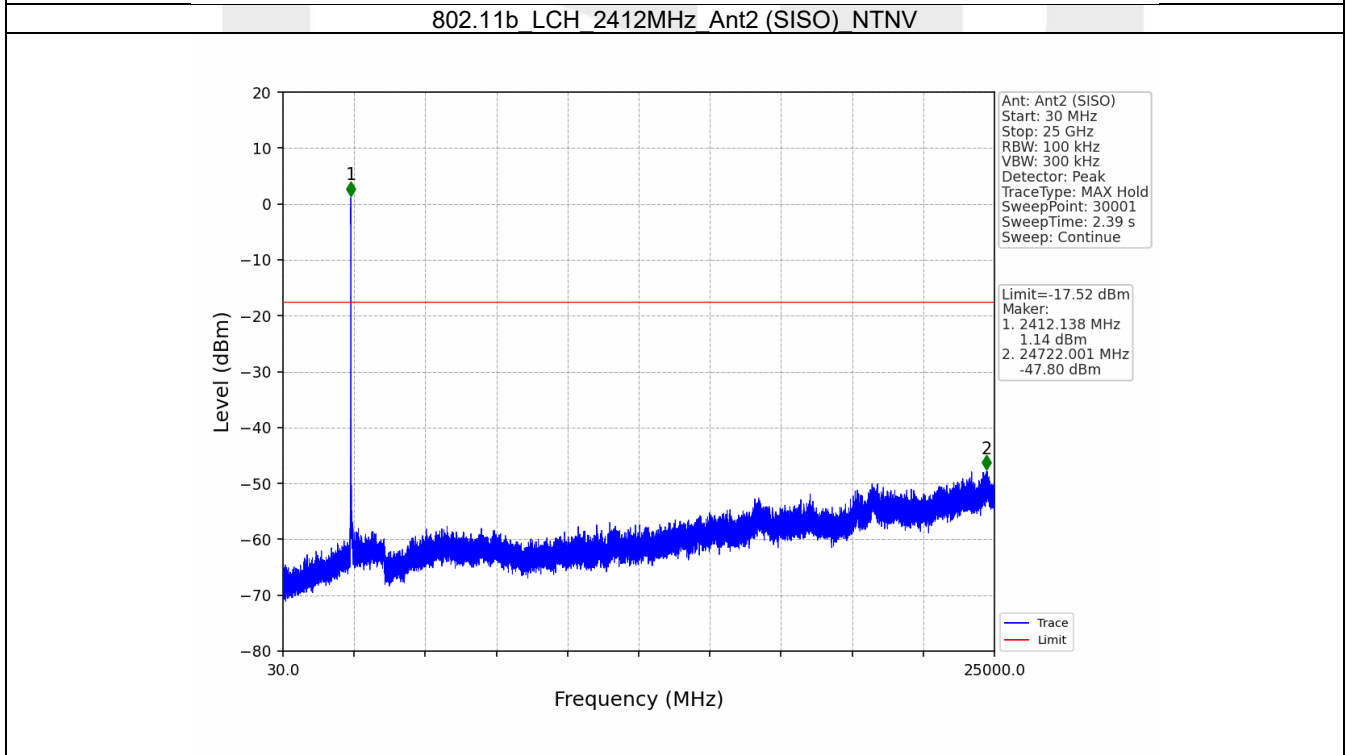
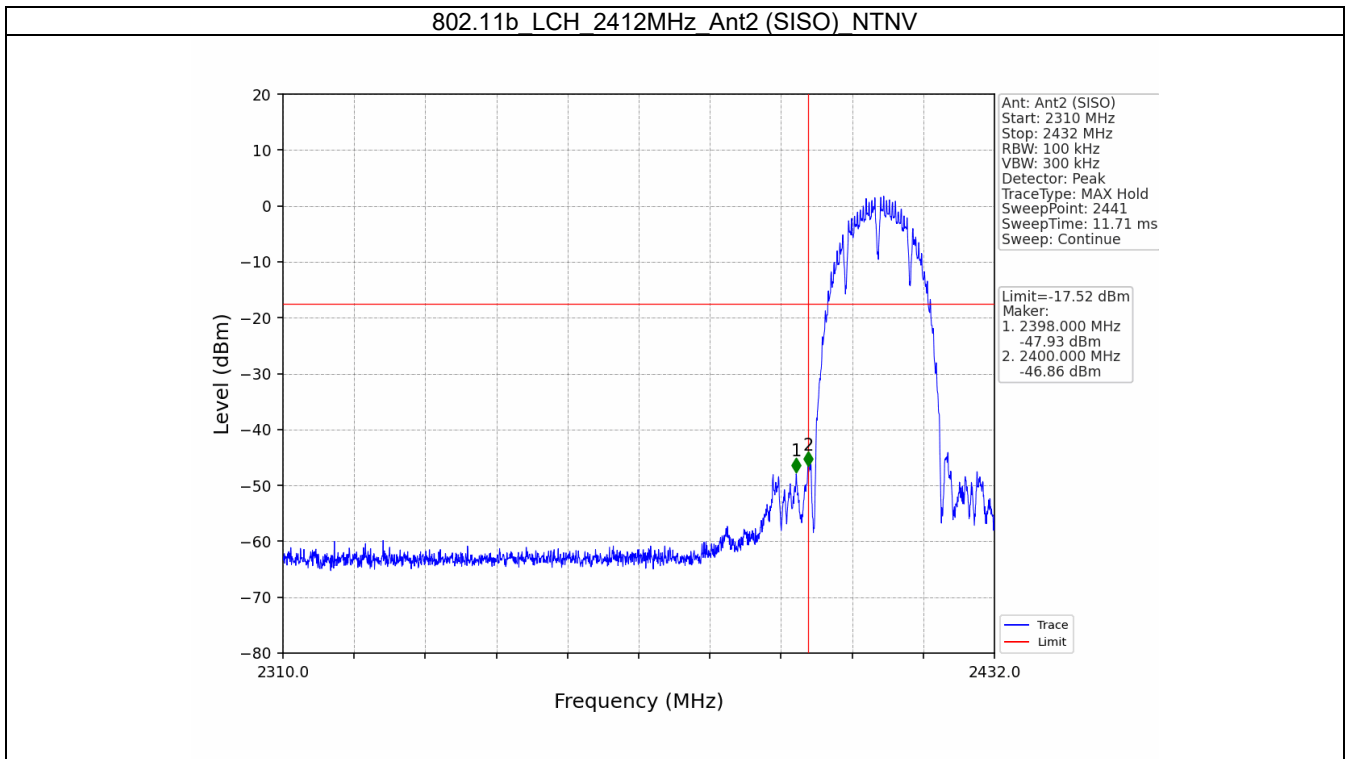
5.1.2.1 Test Result

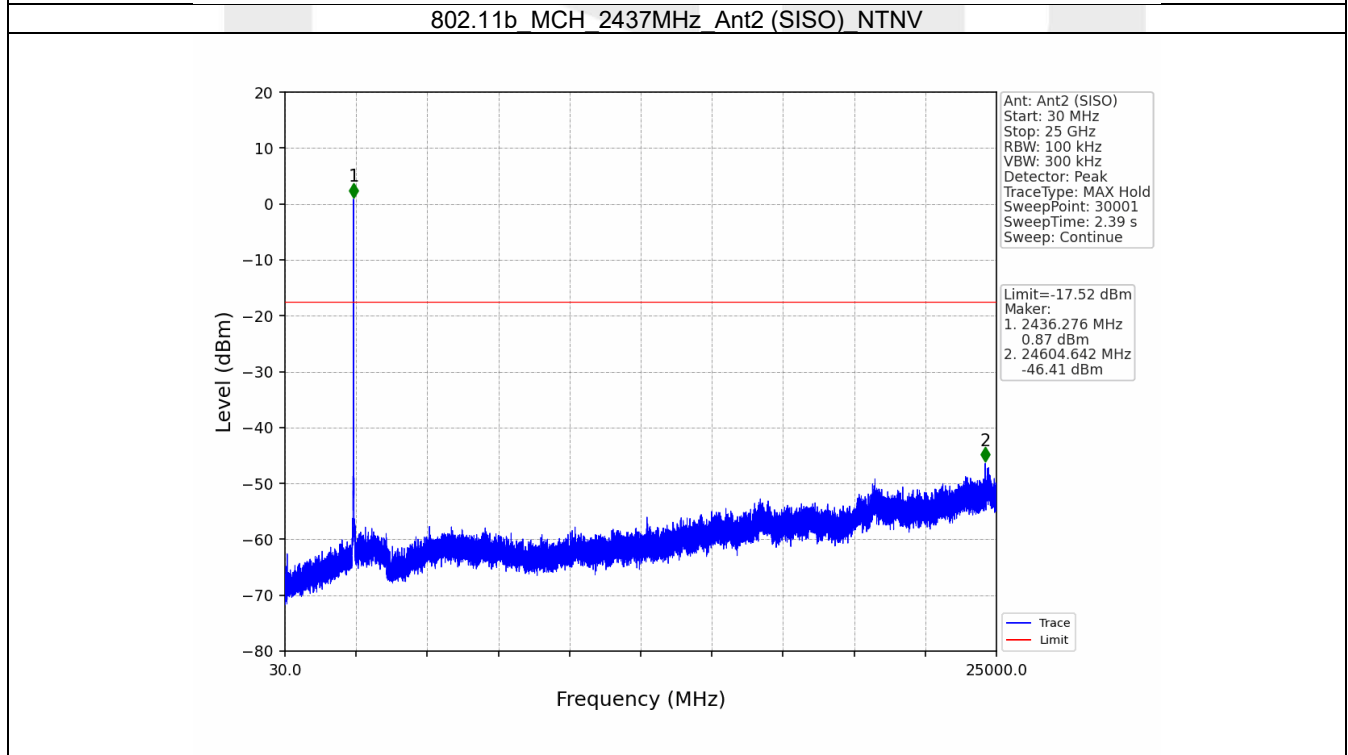
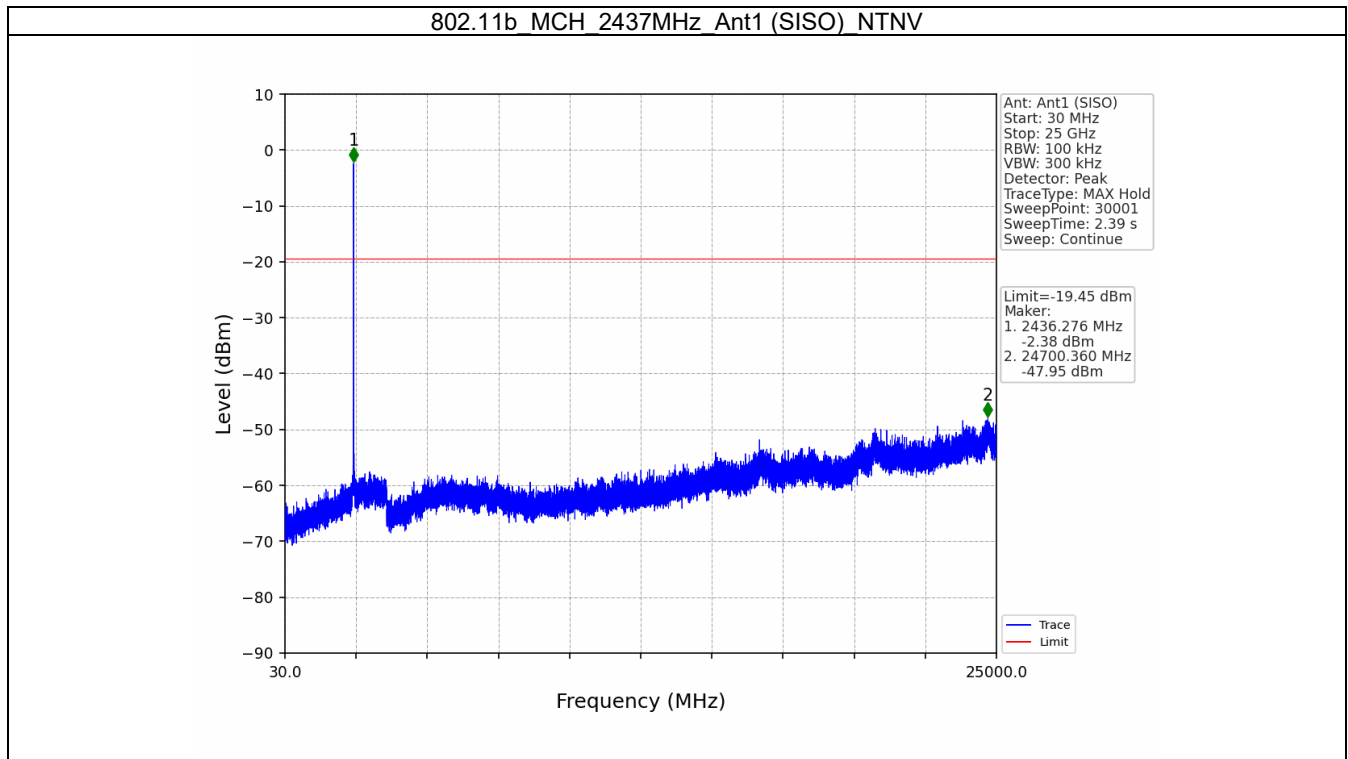
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11g	SISO	2412	1	-3.47	-23.47	Pass
			2	-5.62	-25.62	Pass
		2437	1	-3.47	-23.47	Pass
			2	-5.62	-25.62	Pass
		2462	1	-3.47	-23.47	Pass
			2	-5.62	-25.62	Pass
802.11b	SISO	2412	1	0.55	-19.45	Pass
			2	2.48	-17.52	Pass
802.11n (HT20)	SISO	2412	1	-9.41	-29.41	Pass
			2	-7.83	-27.83	Pass
802.11b	SISO	2437	1	0.55	-19.45	Pass
			2	2.48	-17.52	Pass
802.11n (HT20)	SISO	2437	1	-9.41	-29.41	Pass
			2	-7.83	-27.83	Pass
802.11b	SISO	2462	1	0.55	-19.45	Pass
			2	2.48	-17.52	Pass
802.11n (HT20)	SISO	2462	1	-9.41	-29.41	Pass
			2	-7.83	-27.83	Pass
802.11g	MIMO	2412	1	-0.79	-20.79	Pass
			2	0.28	-19.72	Pass
802.11n (HT40)	SISO	2422	1	-12.39	-32.39	Pass
			2	-11.35	-31.35	Pass
802.11g	MIMO	2437	1	-0.79	-20.79	Pass
802.11n (HT40)	SISO	2437	1	-12.39	-32.39	Pass
802.11g	MIMO	2437	2	0.28	-19.72	Pass
802.11n (HT40)	SISO	2437	2	-11.35	-31.35	Pass
802.11g	MIMO	2462	1	-0.79	-20.79	Pass
802.11n (HT40)	SISO	2452	1	-12.39	-32.39	Pass
802.11g	MIMO	2462	2	0.28	-19.72	Pass
802.11n (HT40)	SISO	2452	2	-11.35	-31.35	Pass
802.11n (HT20)	MIMO	2412	1	-10.05	-30.05	Pass
			2	-8.23	-28.23	Pass
		2437	1	-10.05	-30.05	Pass
			2	-8.23	-28.23	Pass
		2462	1	-10.05	-30.05	Pass
			2	-8.23	-28.23	Pass
802.11n (HT40)	MIMO	2422	1	-13.87	-33.87	Pass
			2	-12.07	-32.07	Pass
		2437	1	-13.87	-33.87	Pass
			2	-12.07	-32.07	Pass
		2452	1	-13.87	-33.87	Pass
			2	-12.07	-32.07	Pass

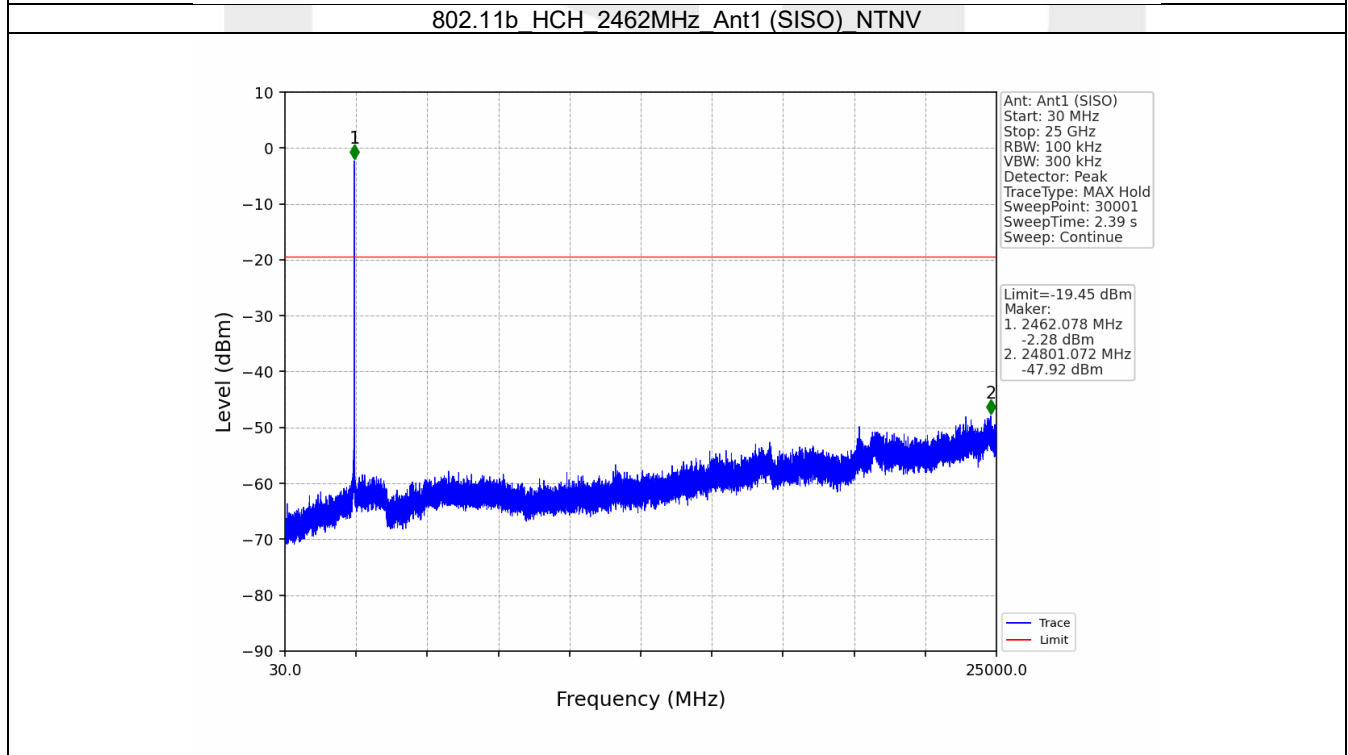
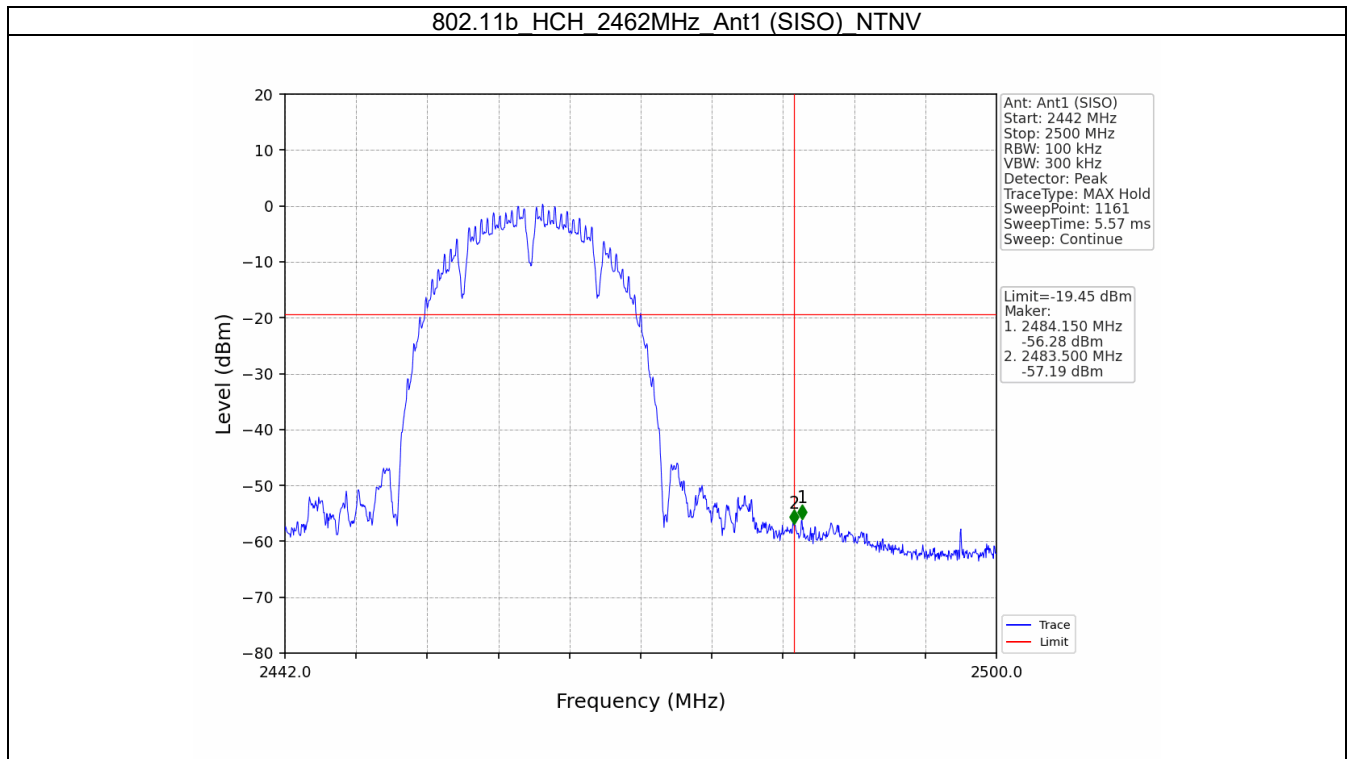
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

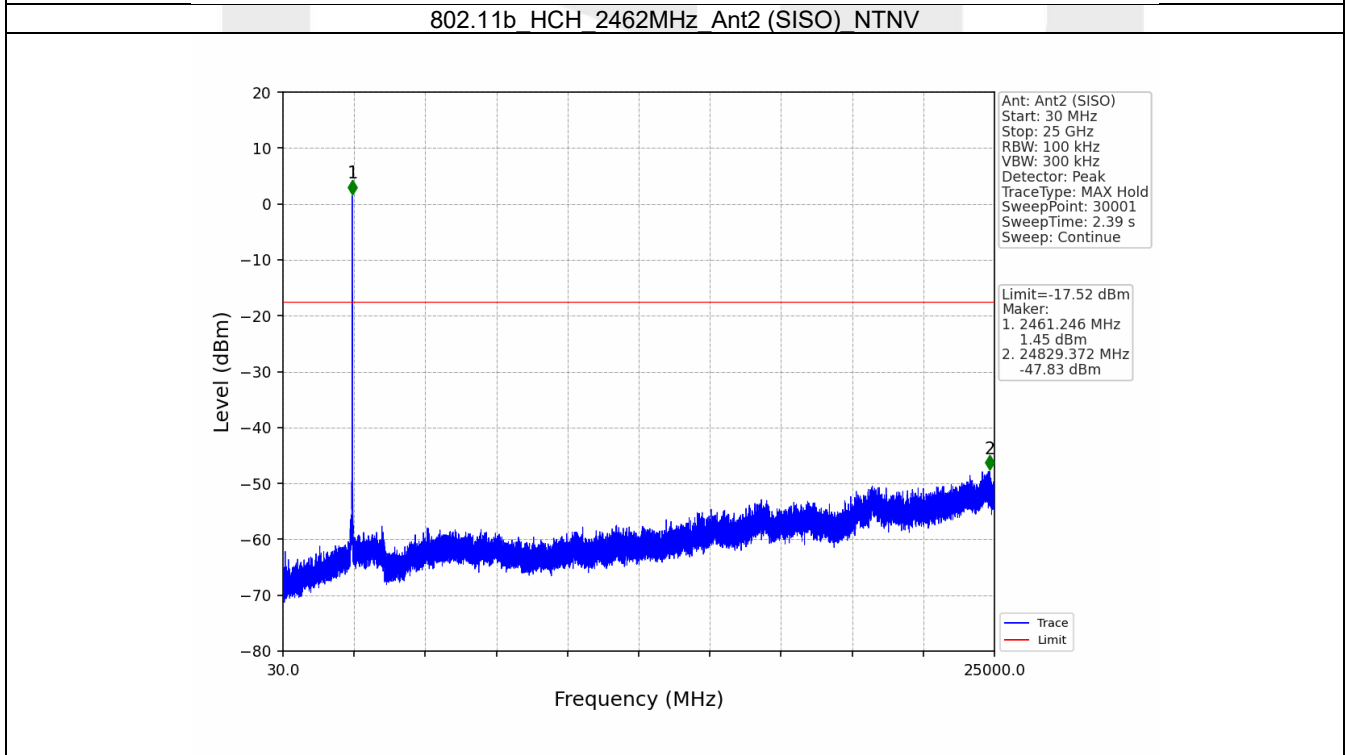
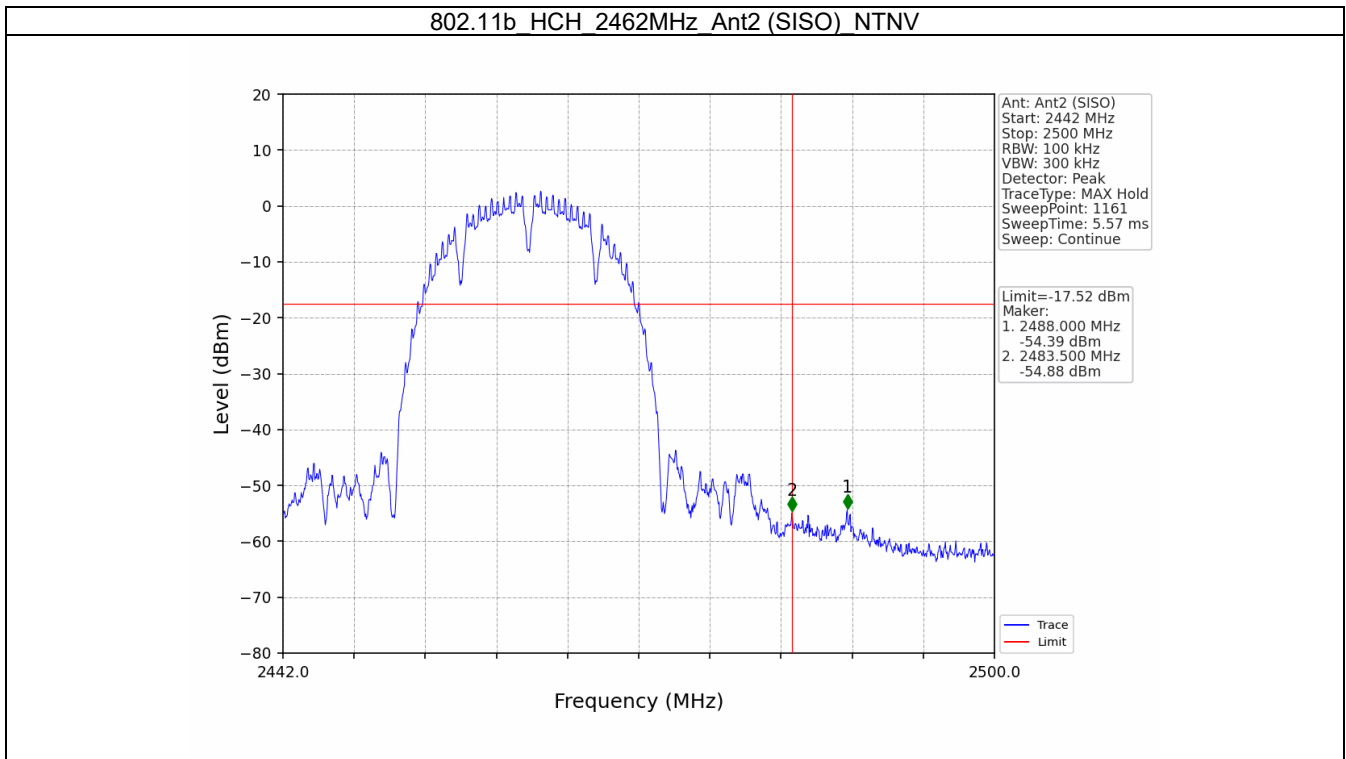
5.1.2.2 Test Graph

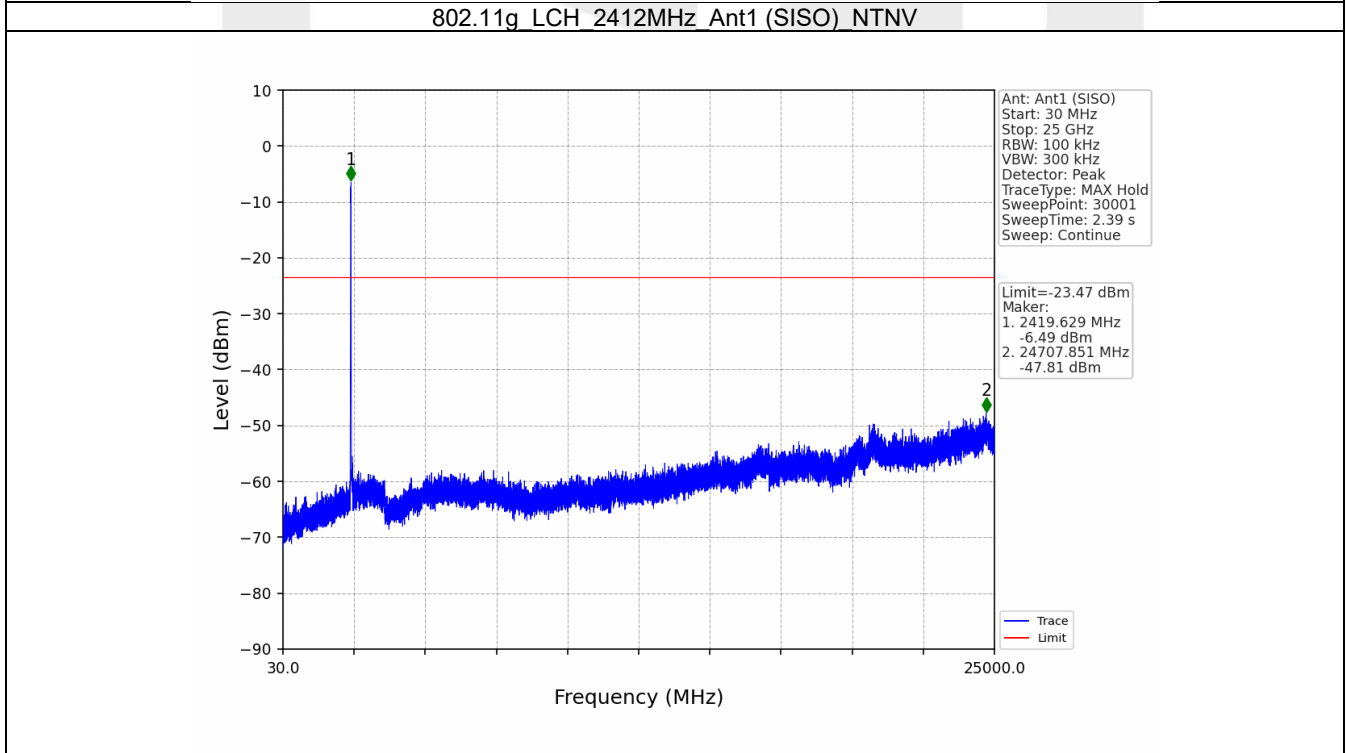
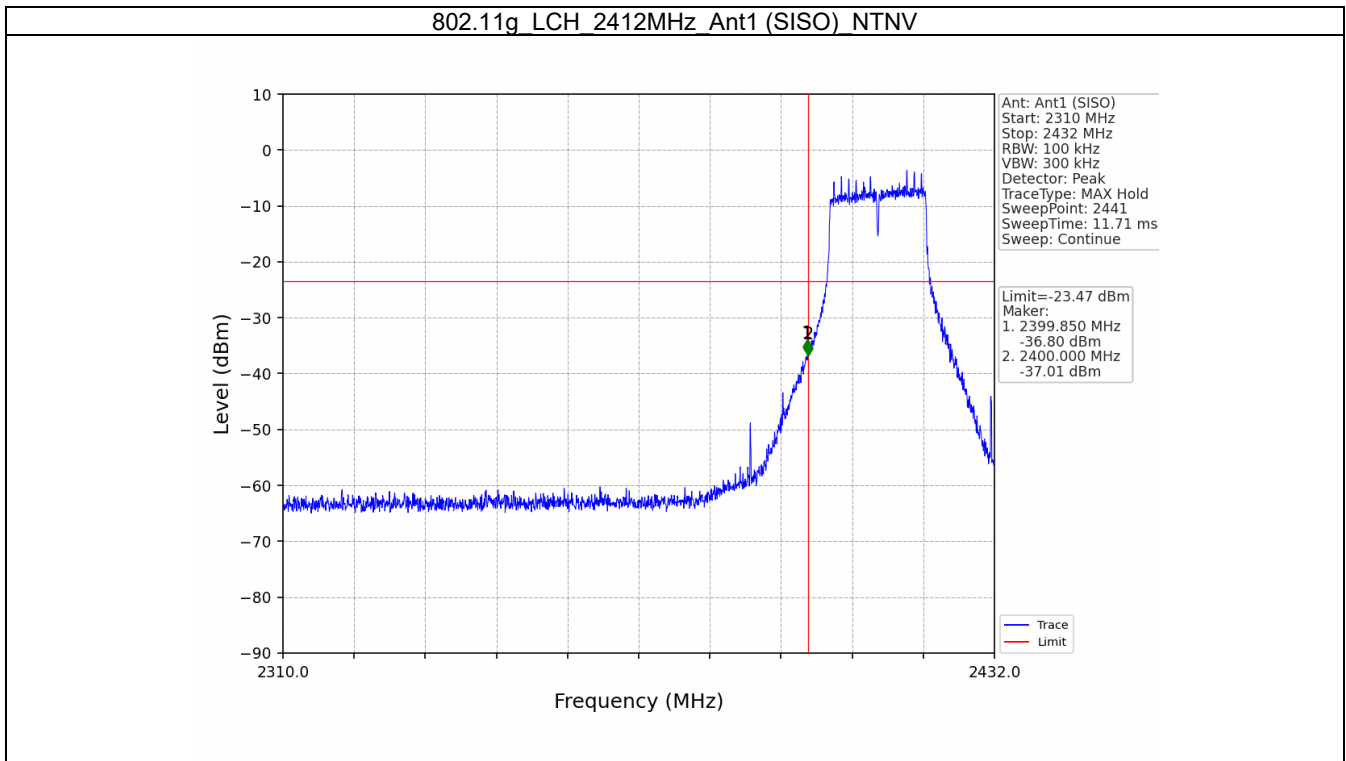


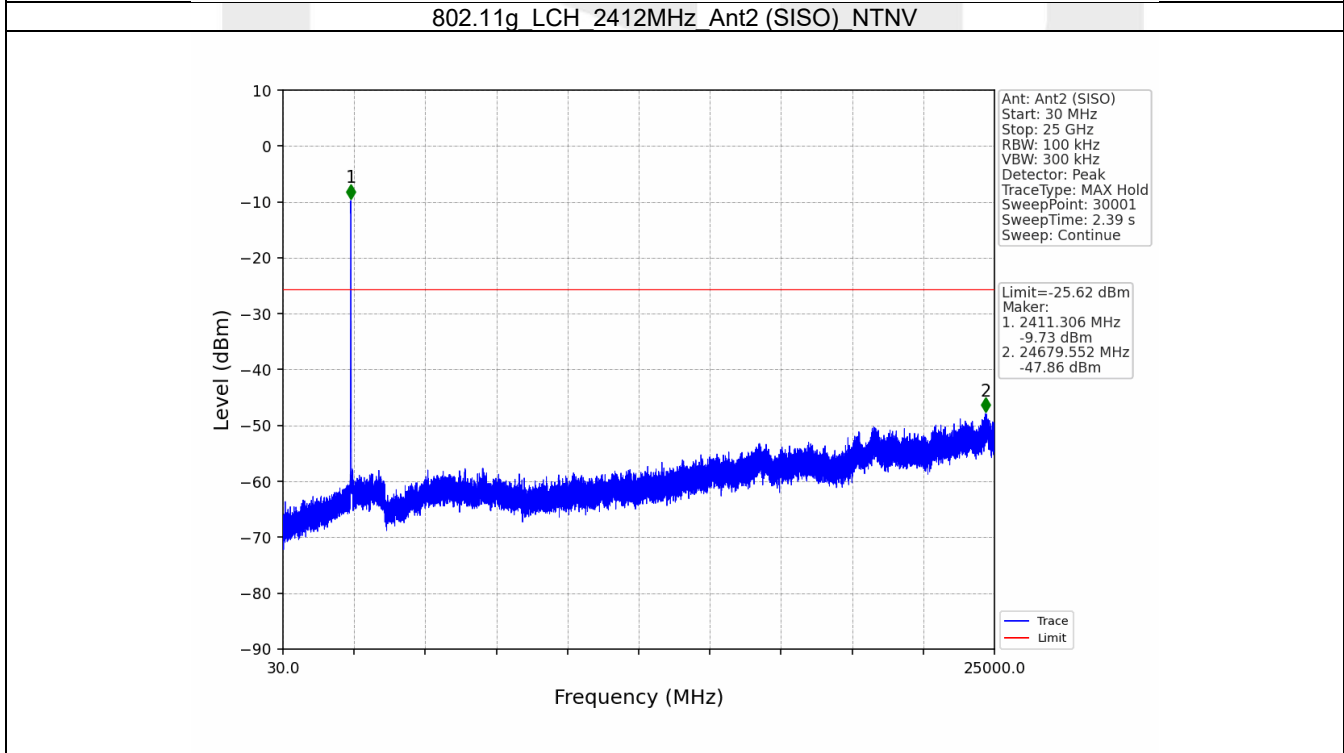
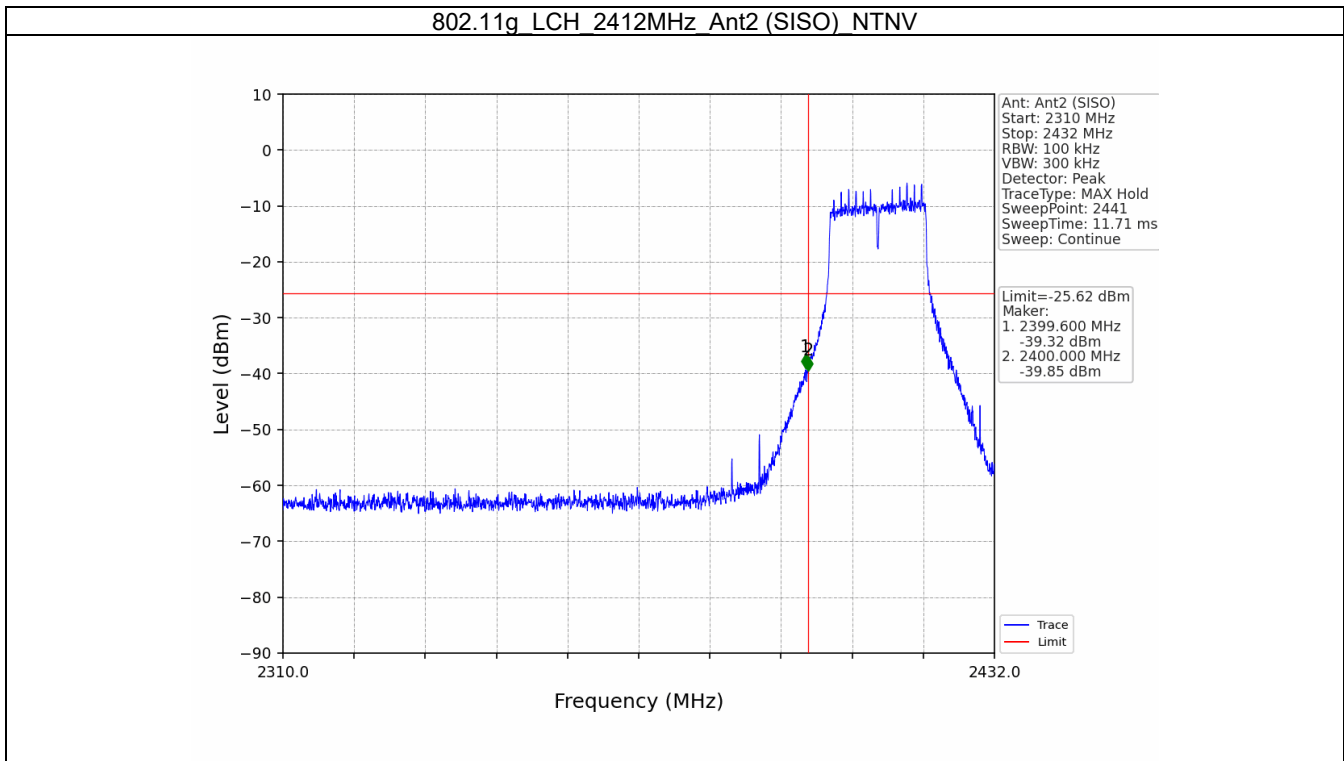


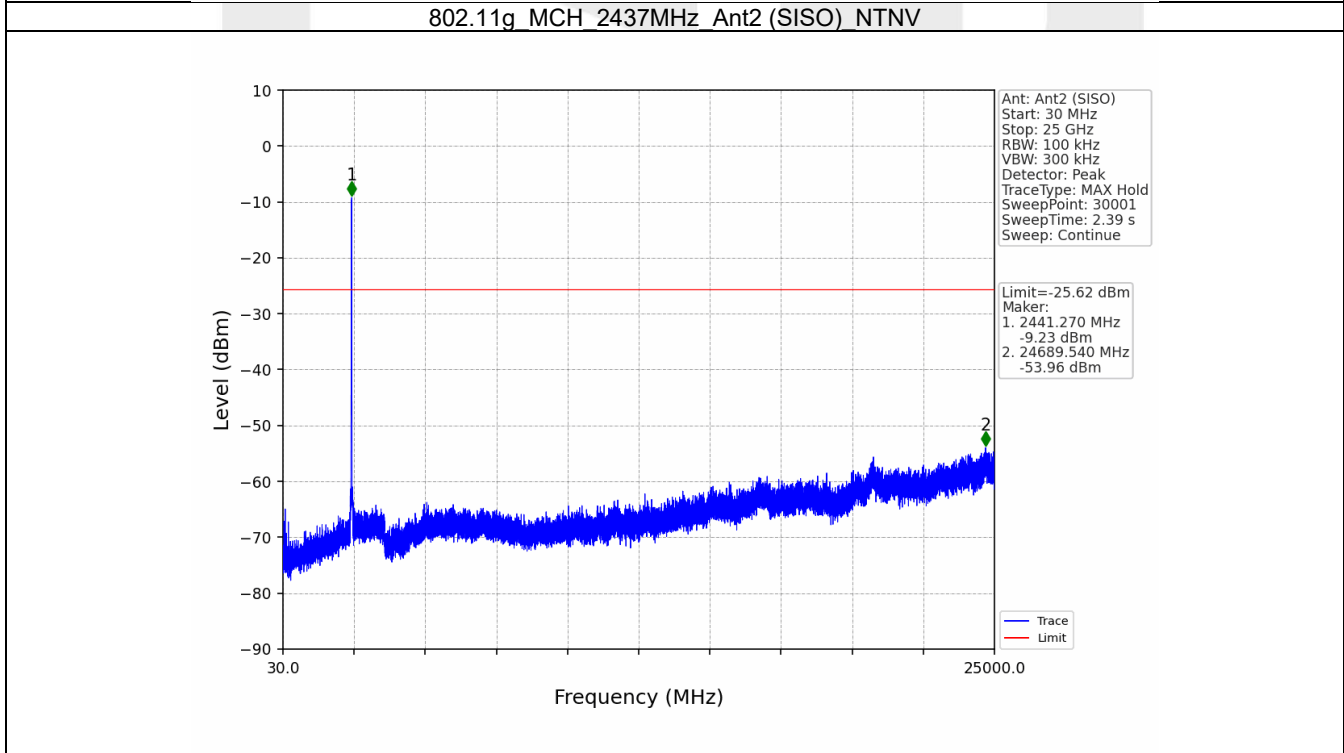
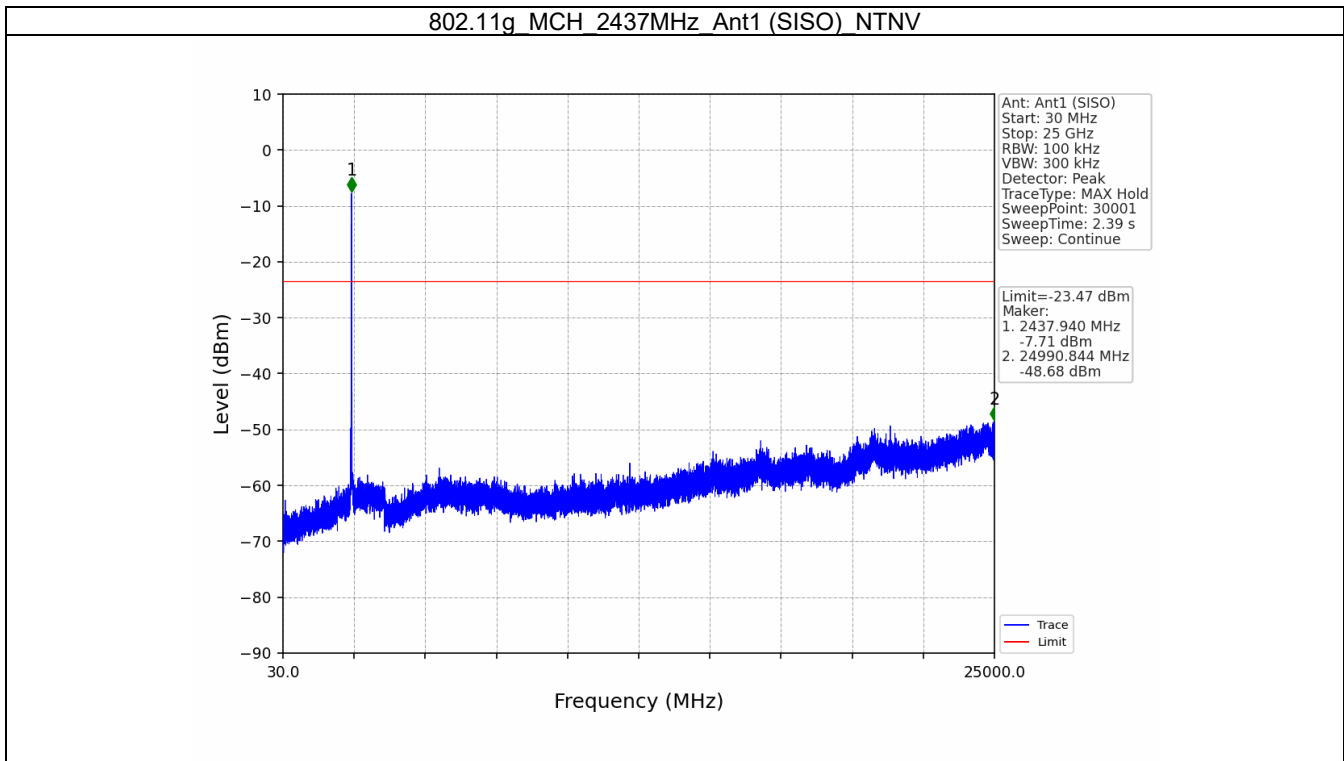


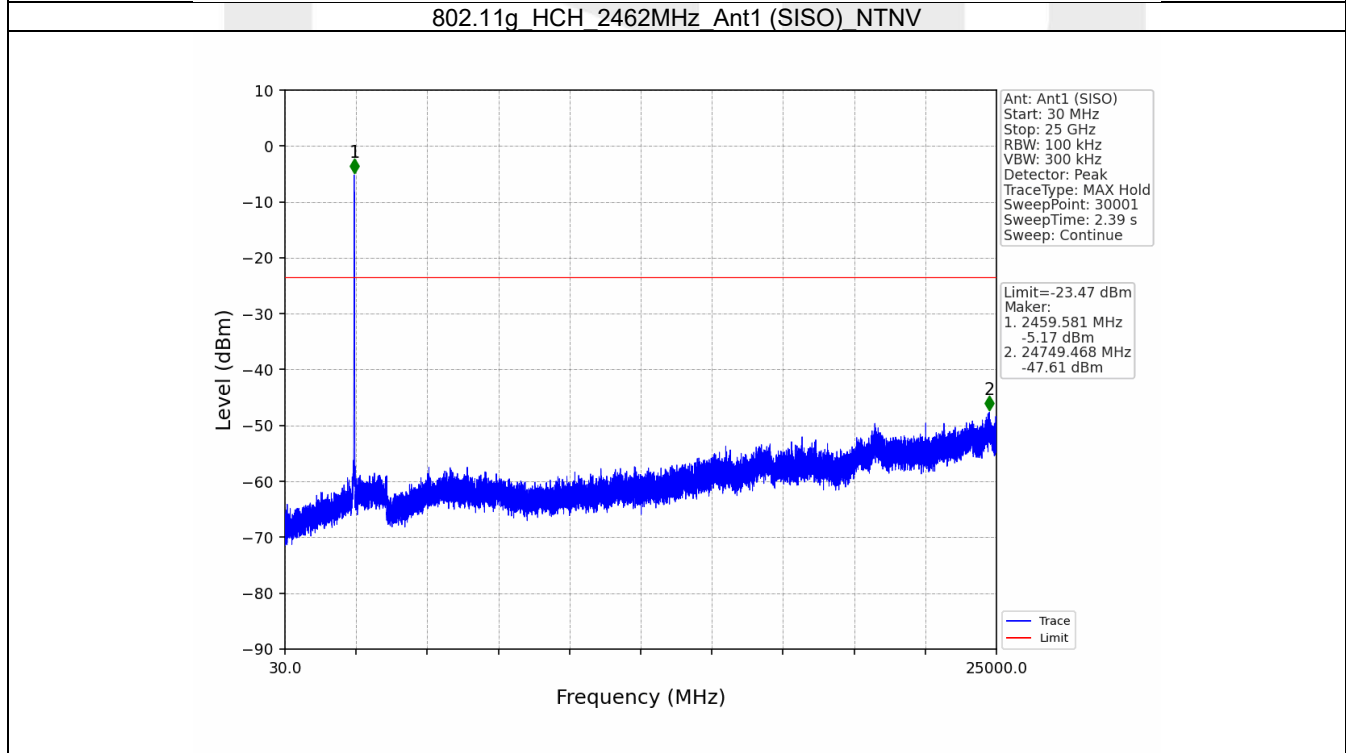
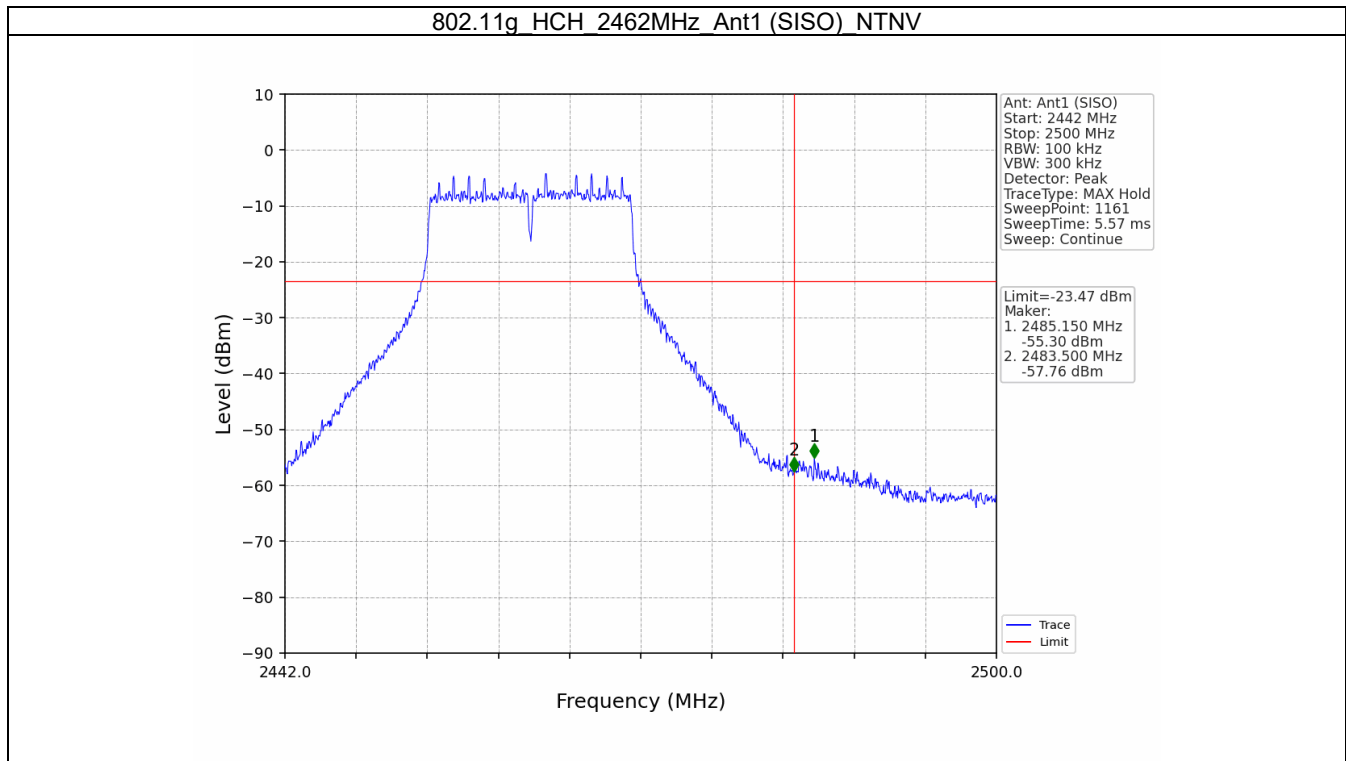


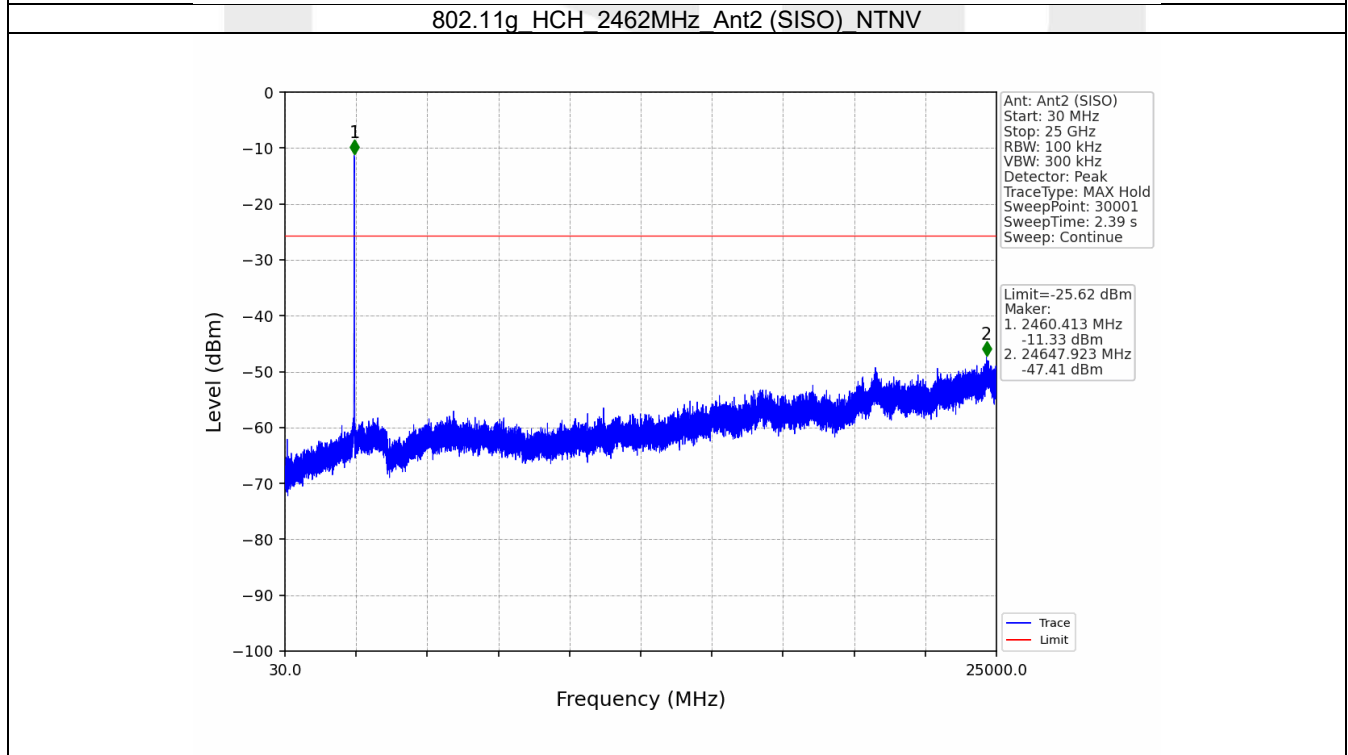
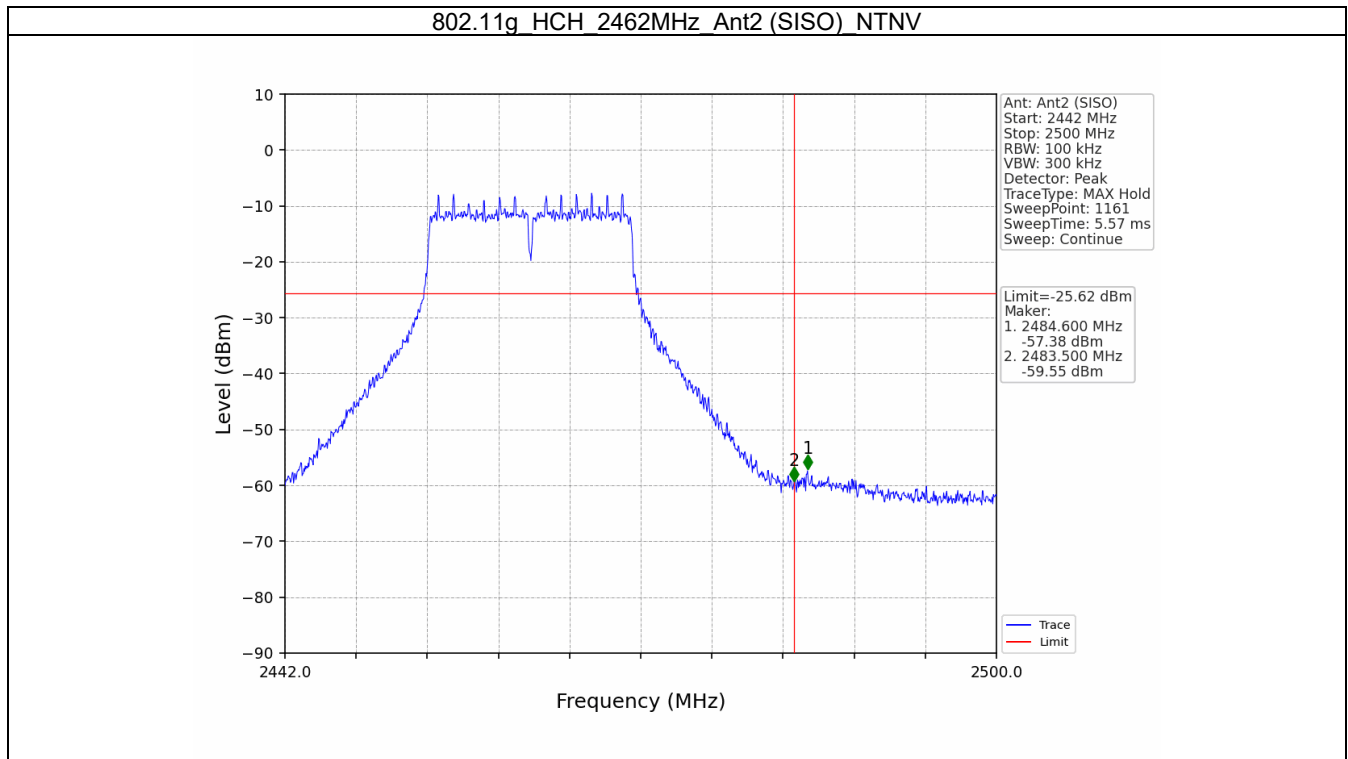


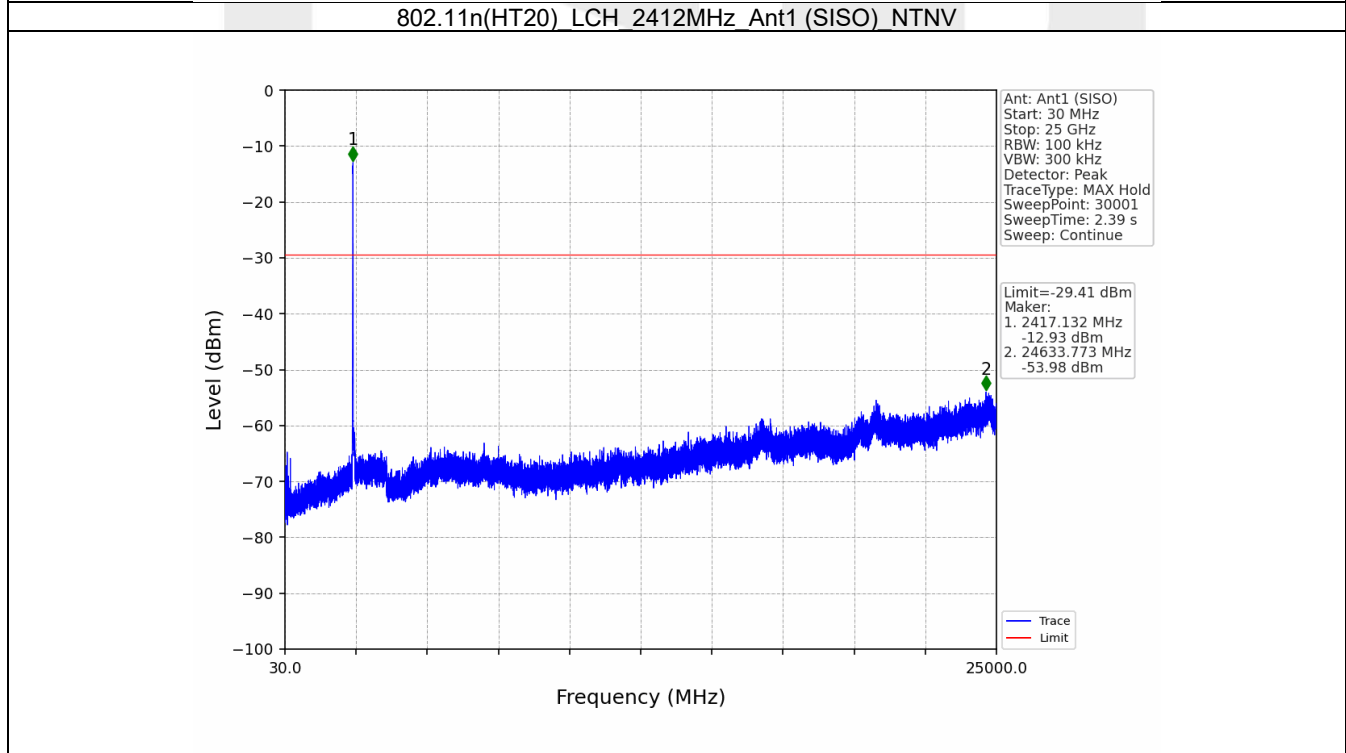
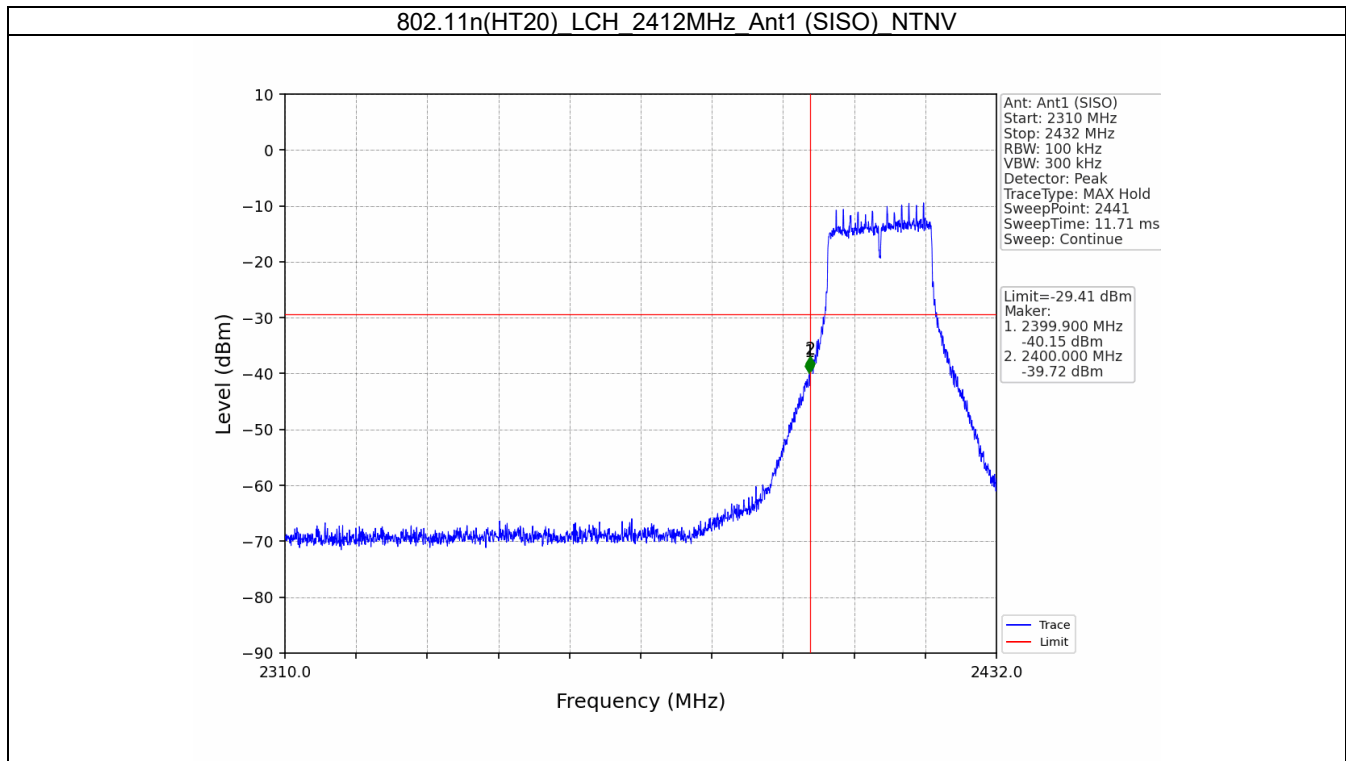


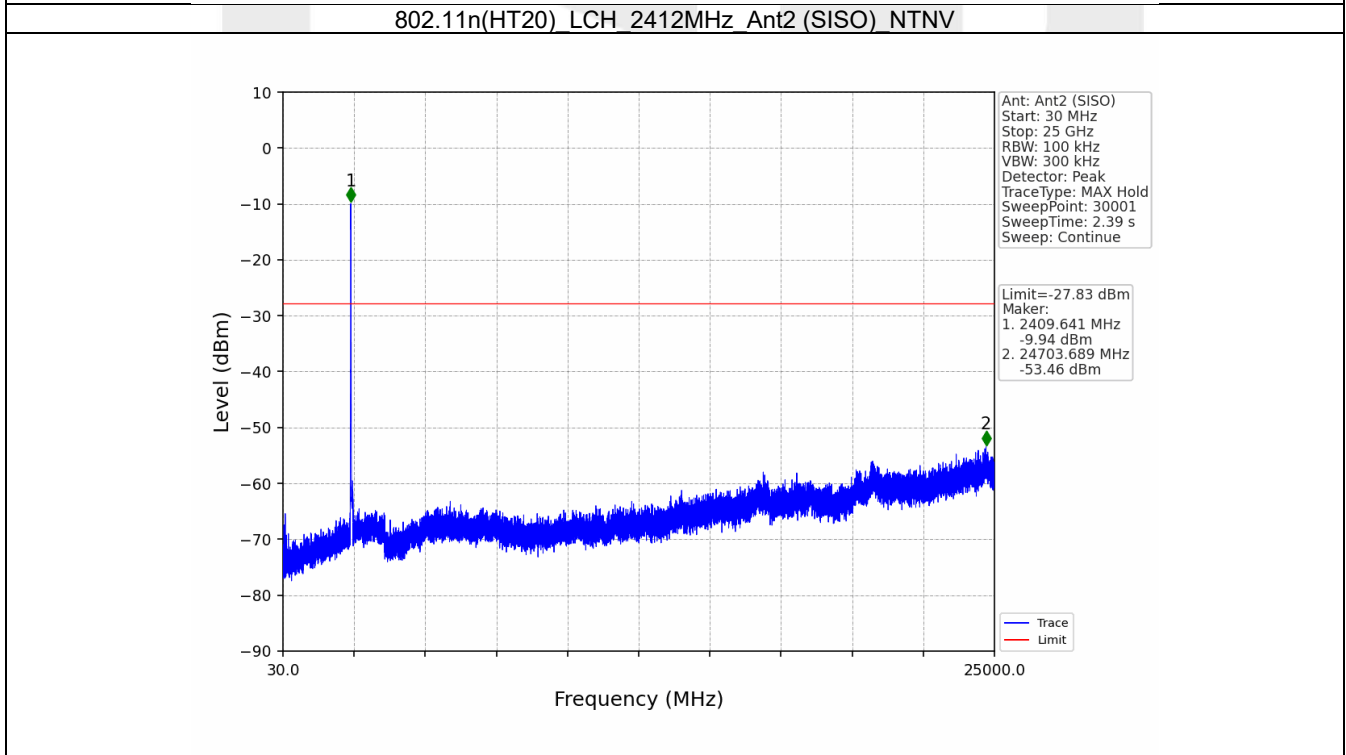
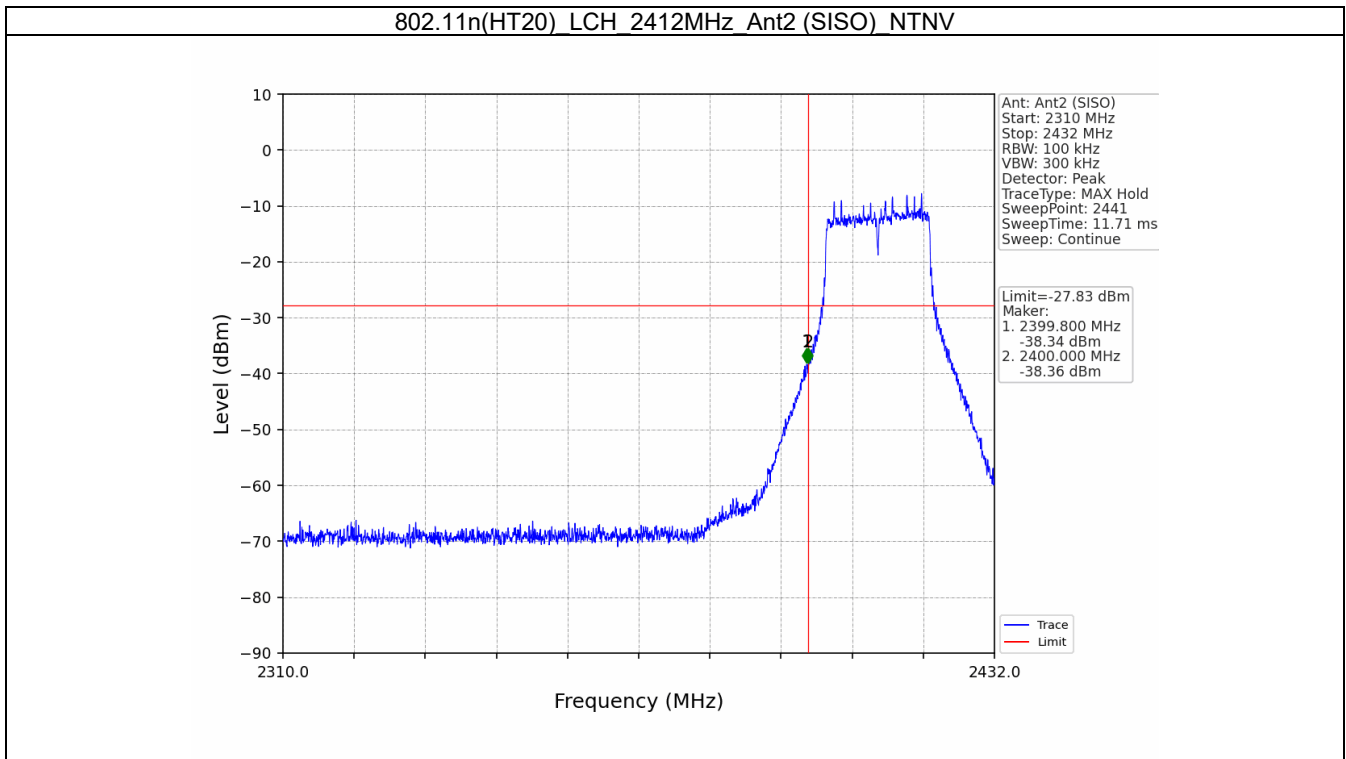


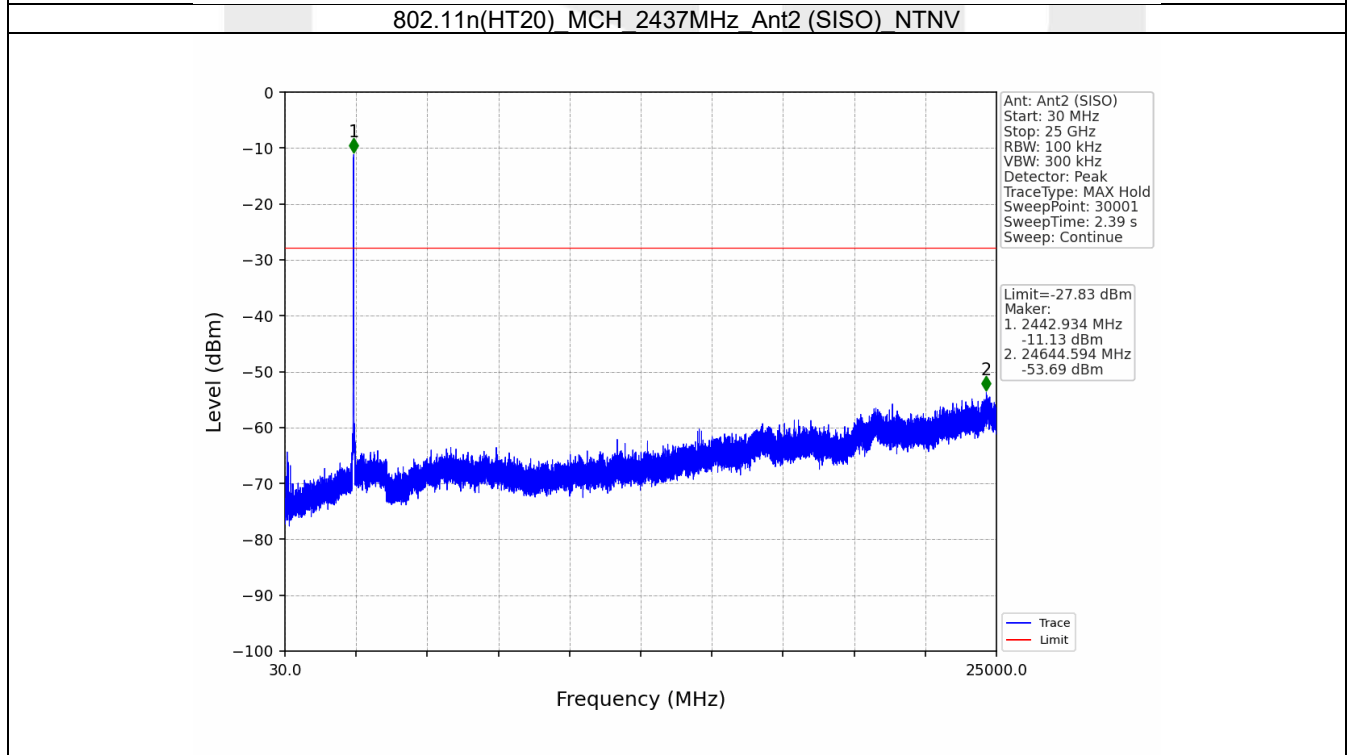
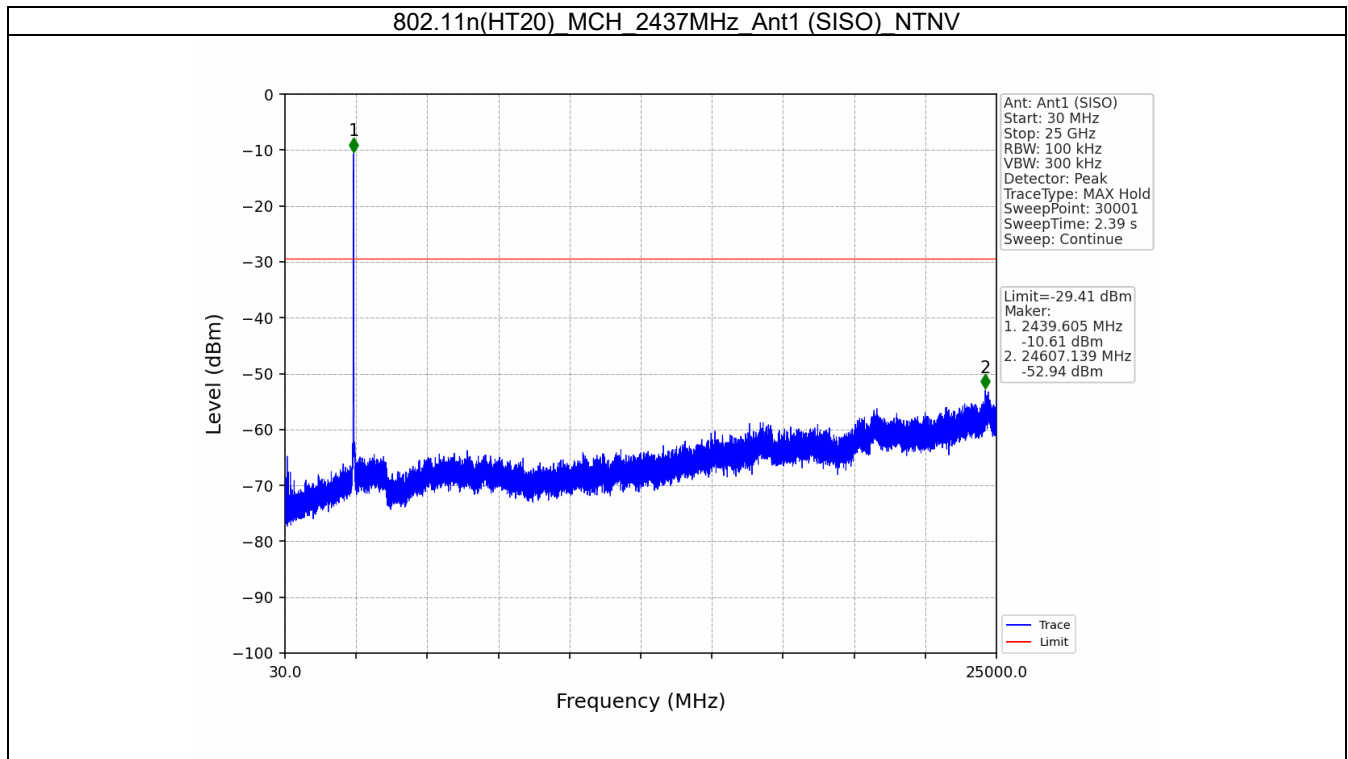


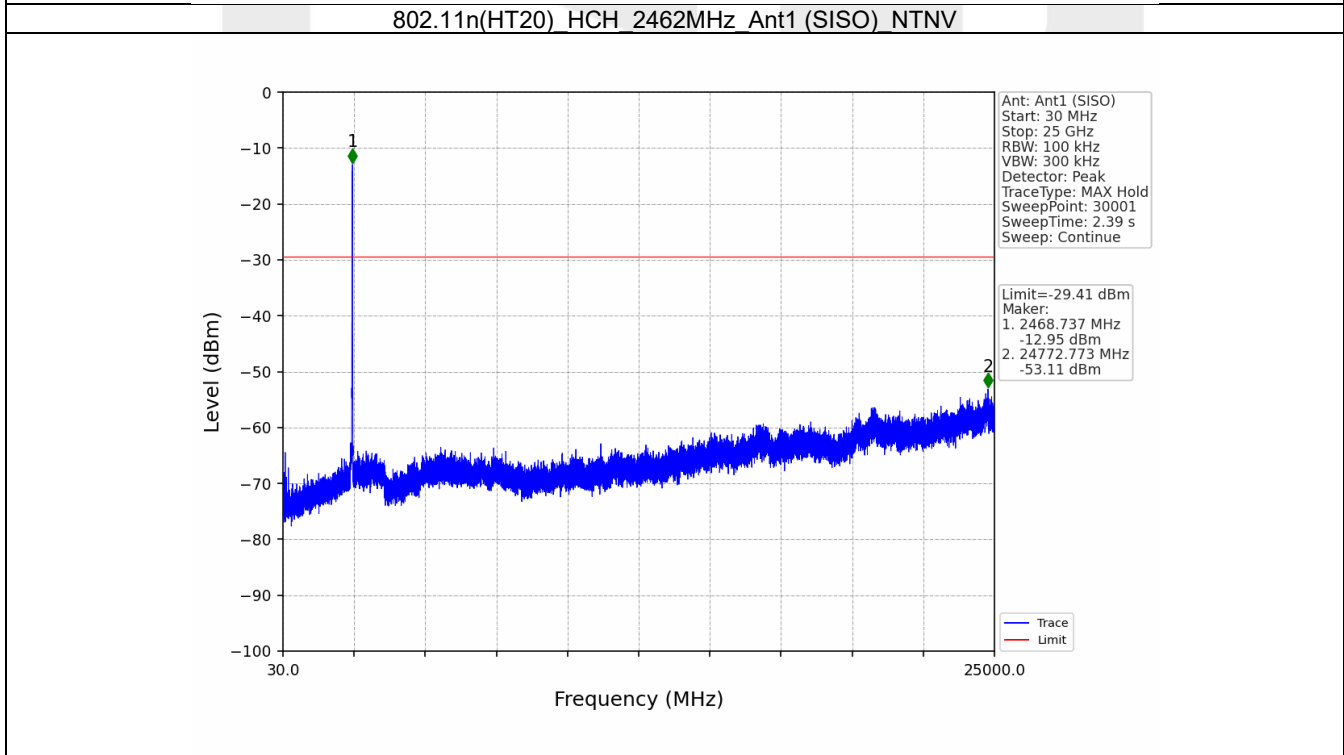
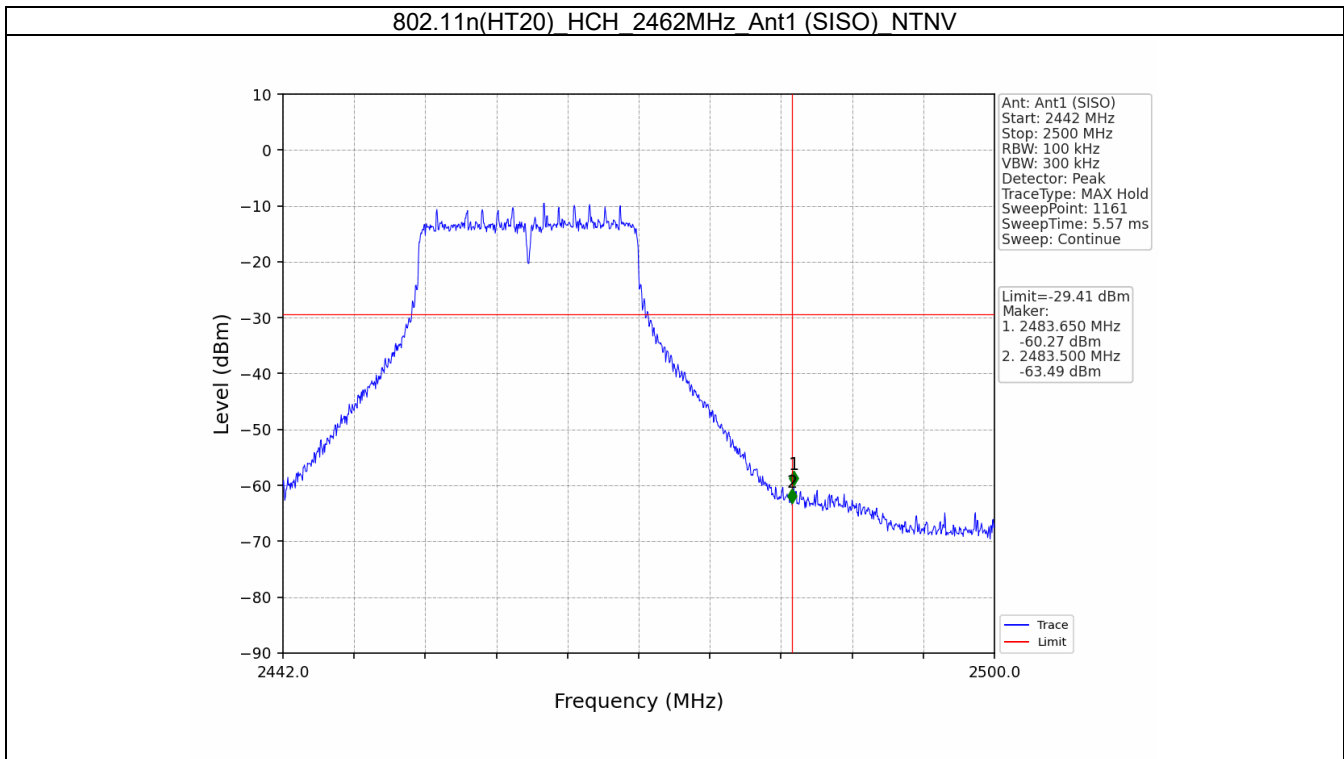


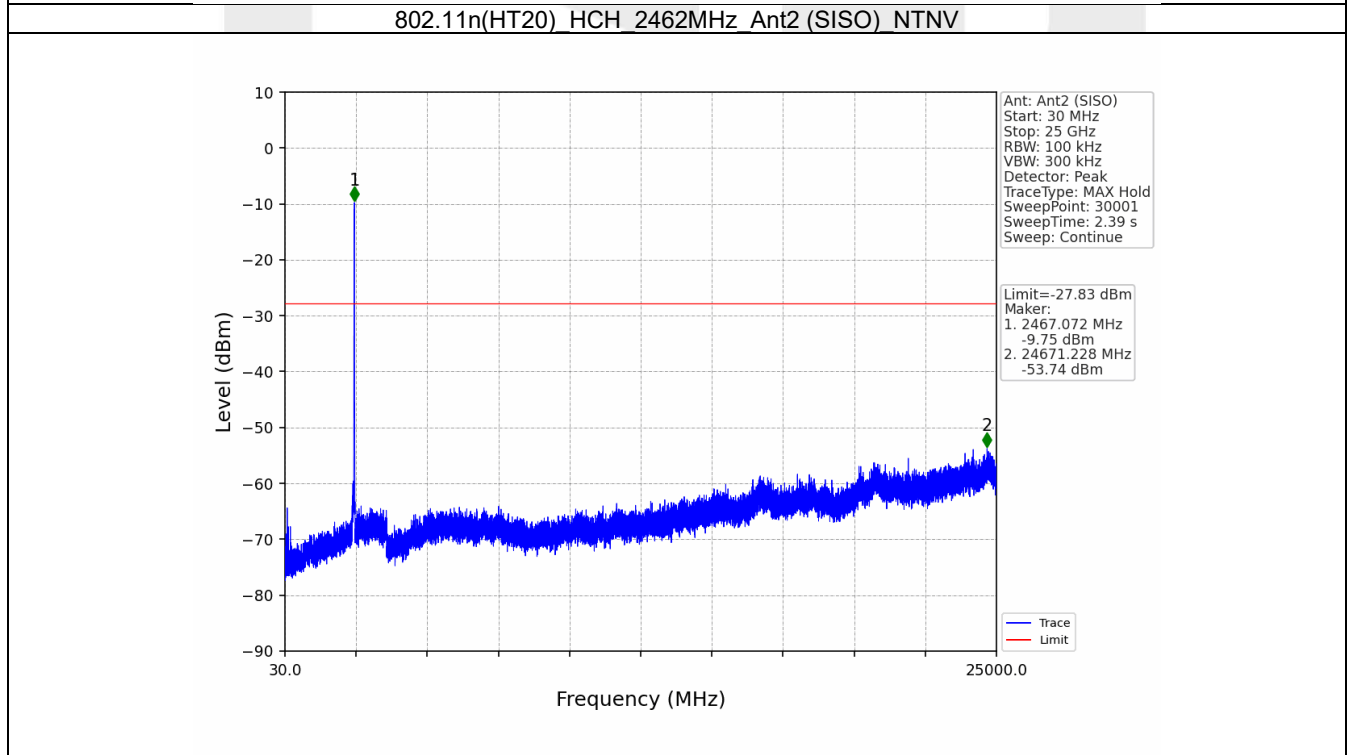
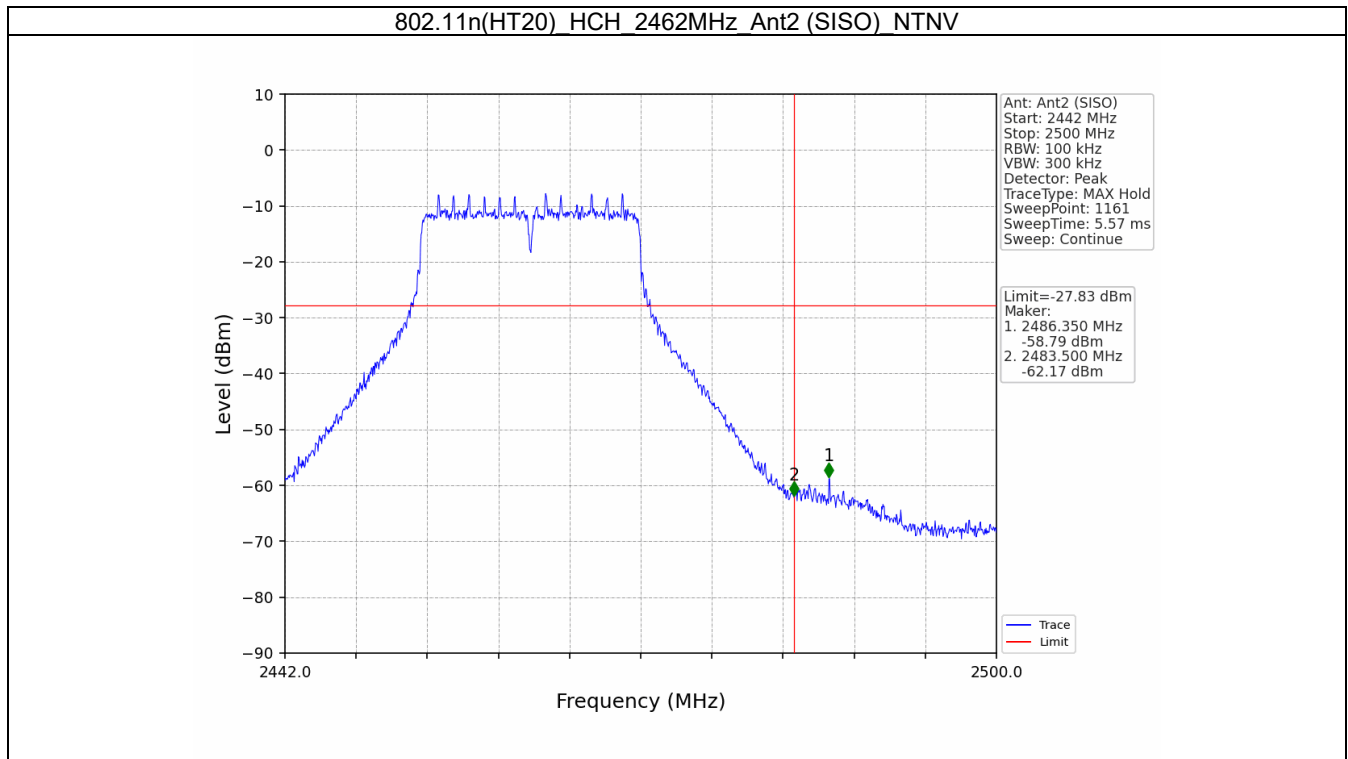


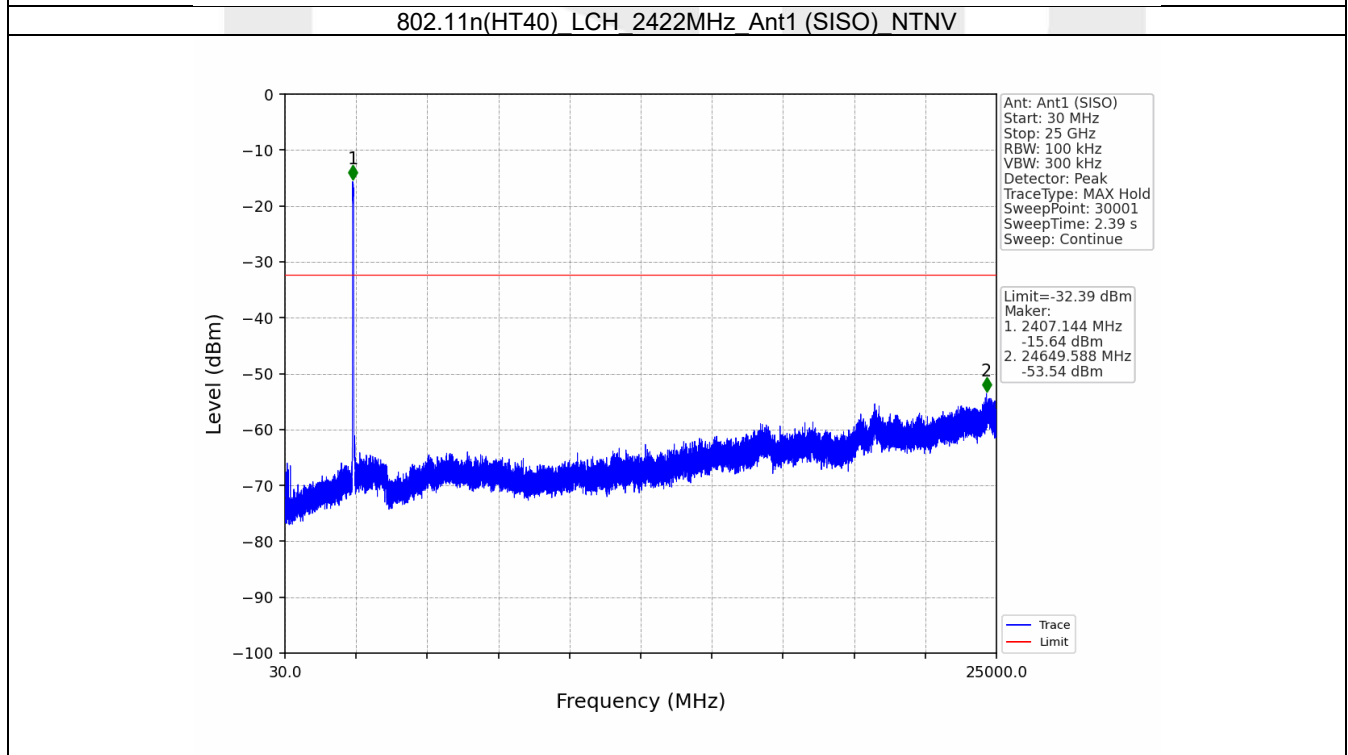
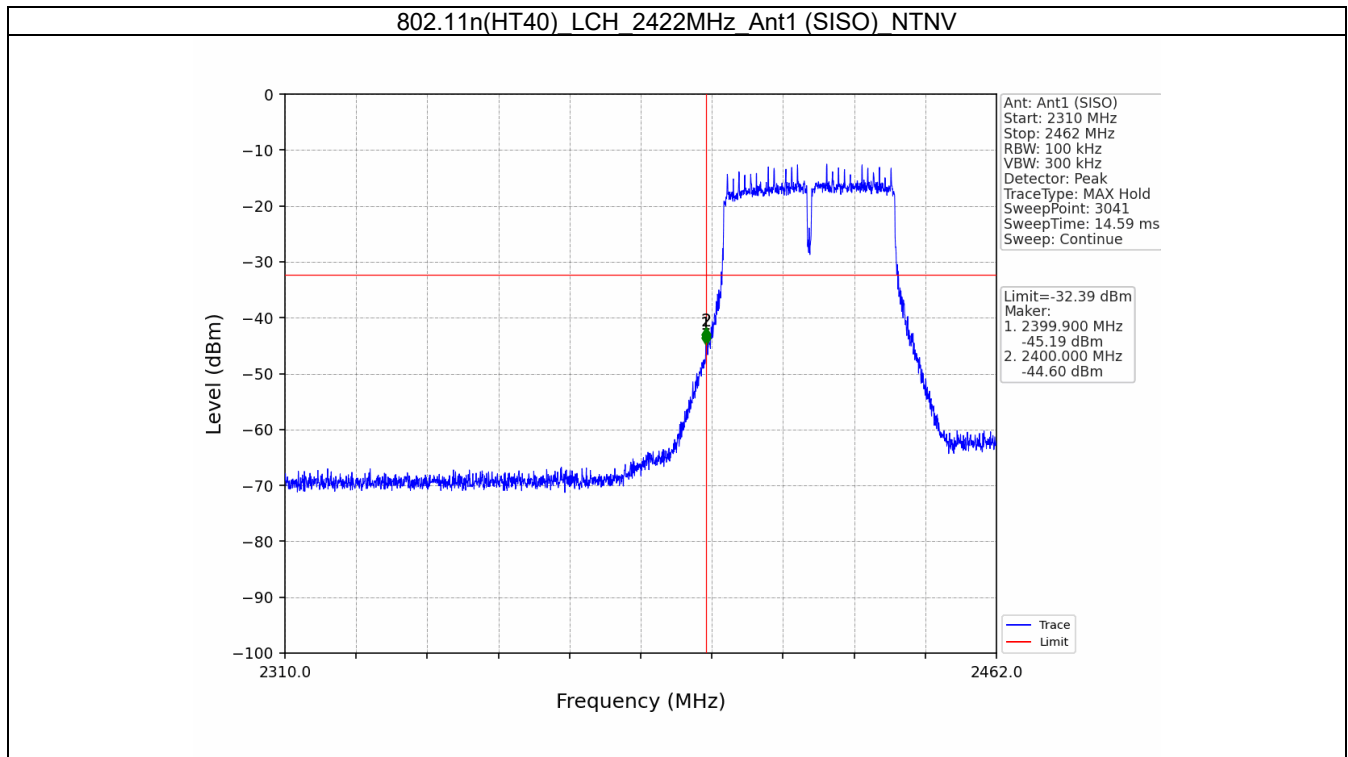


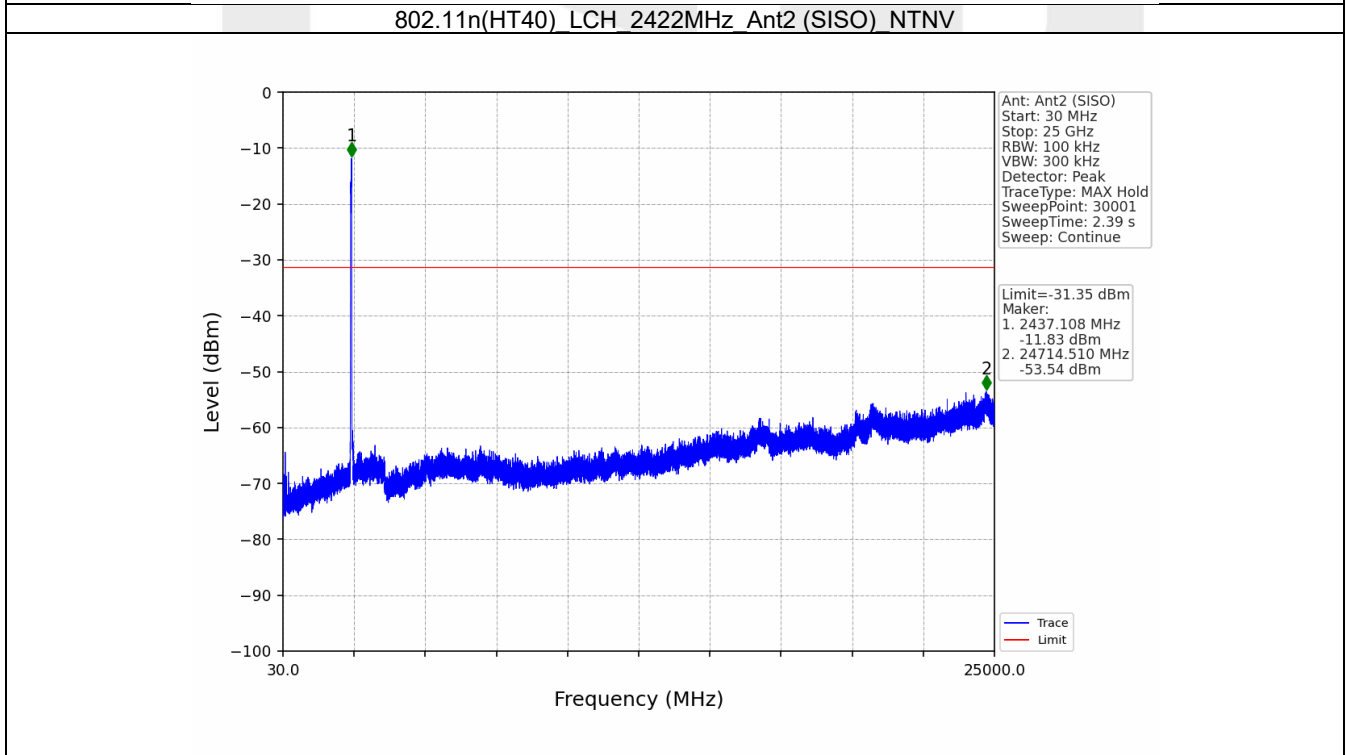
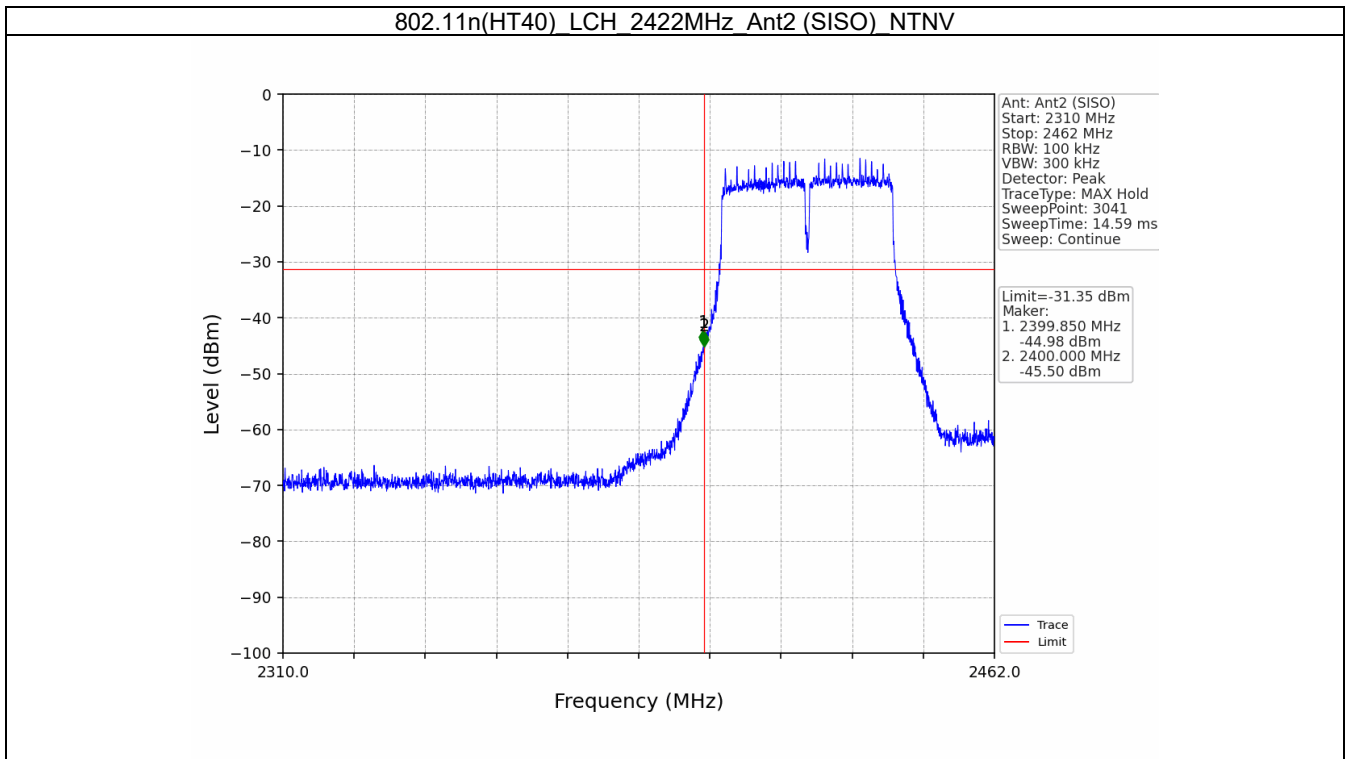


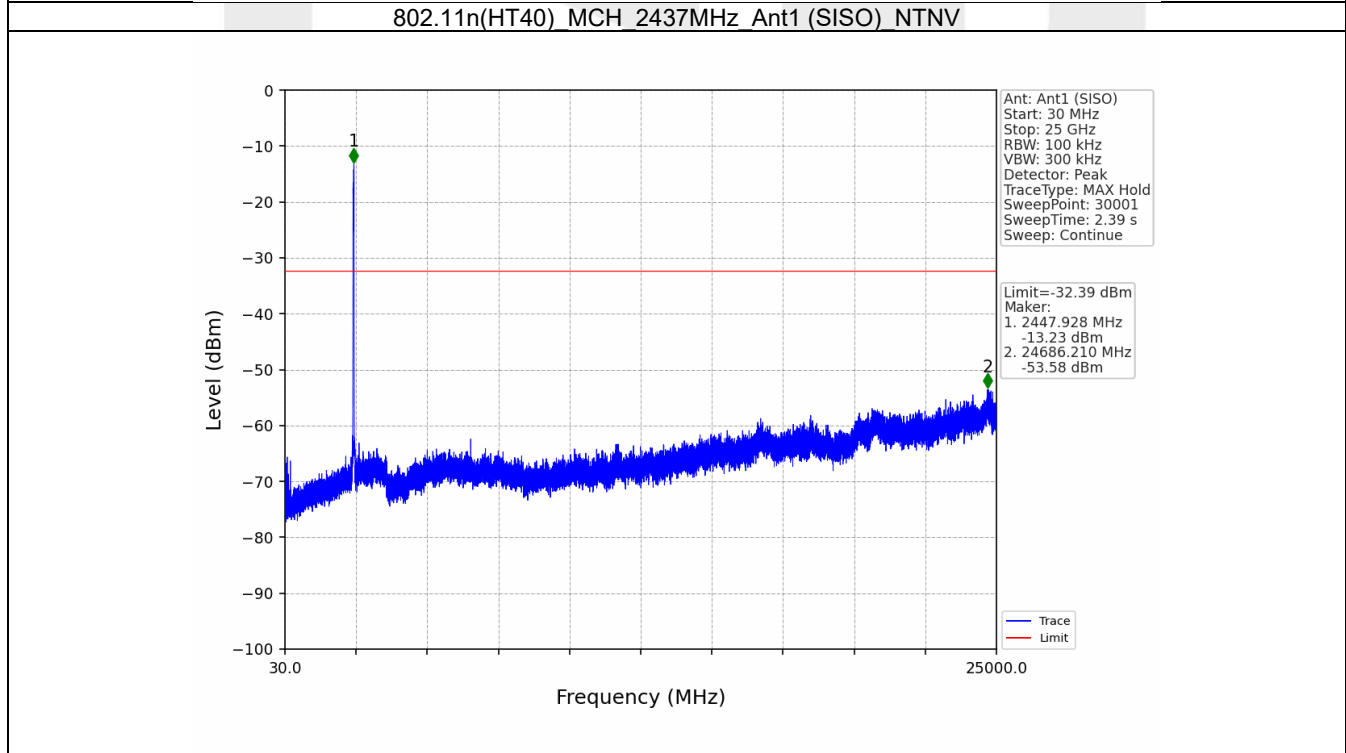
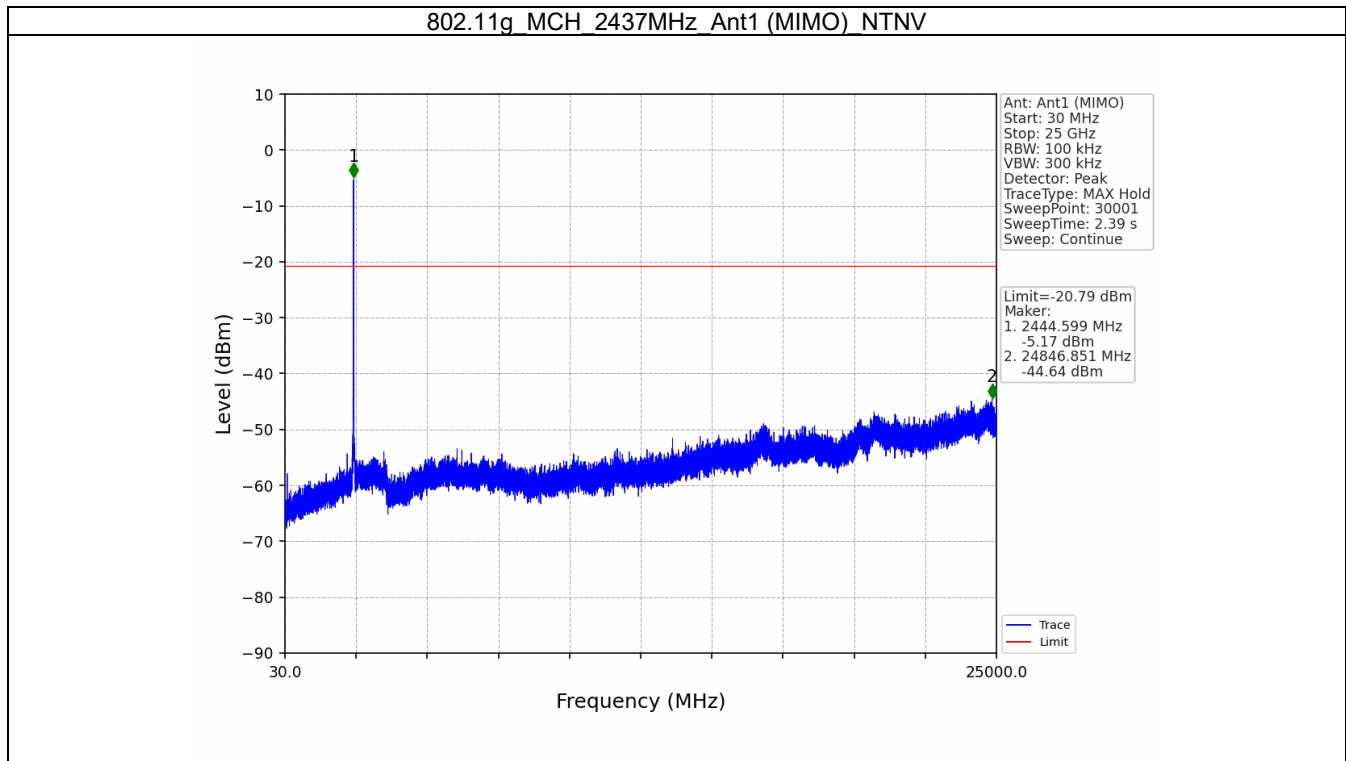


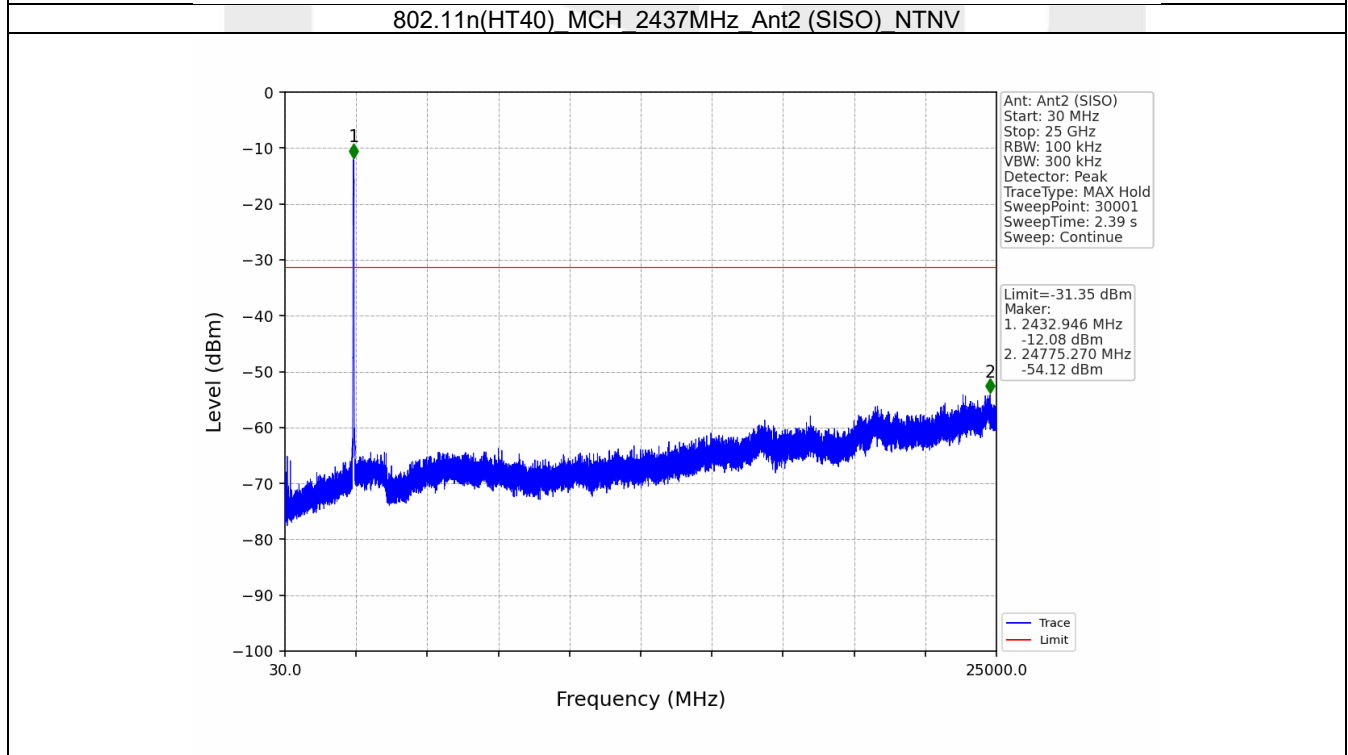
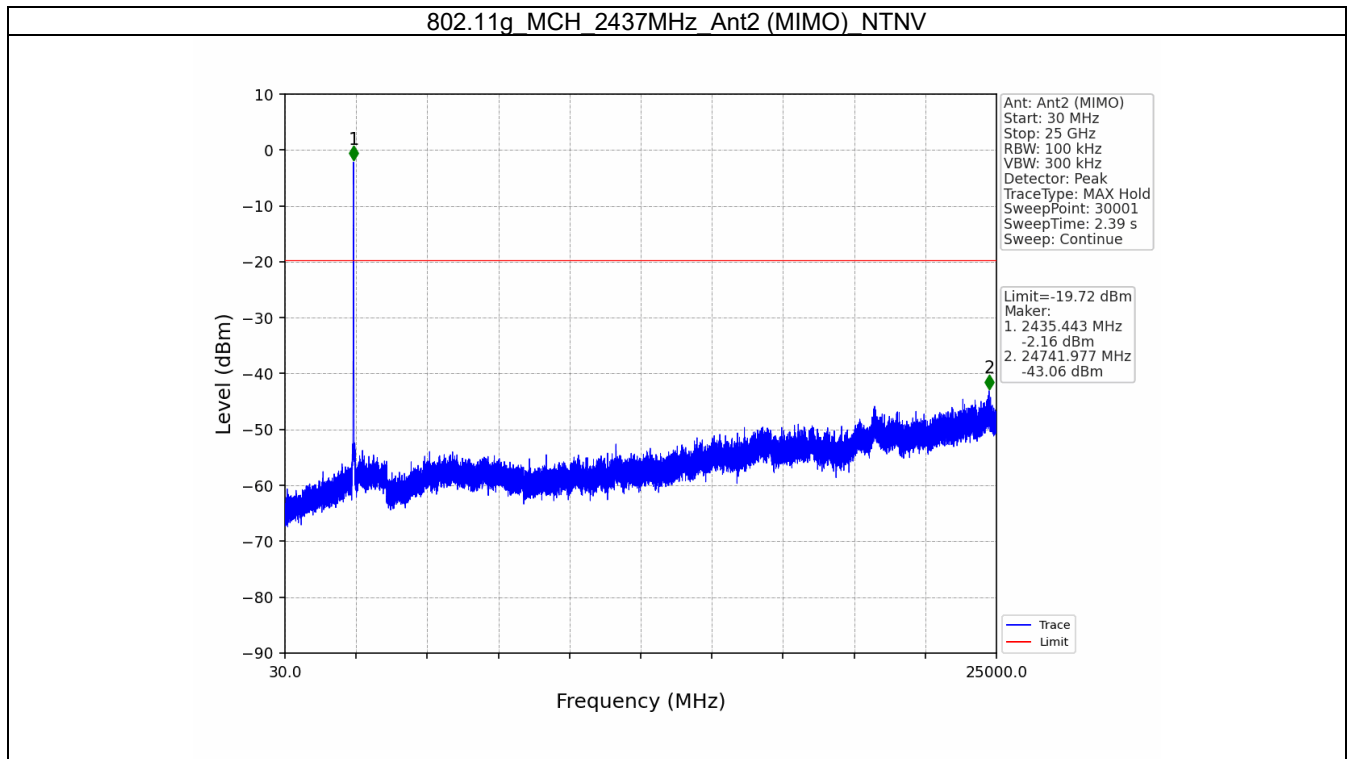


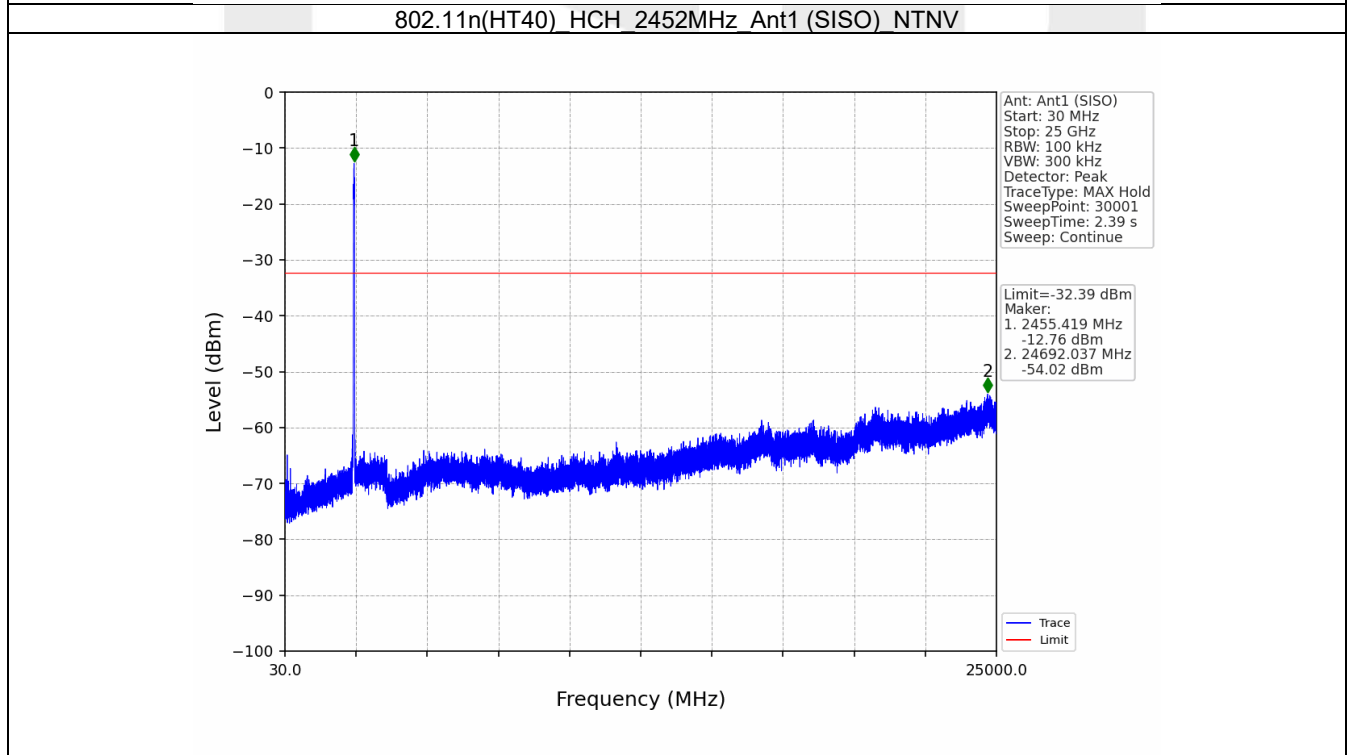
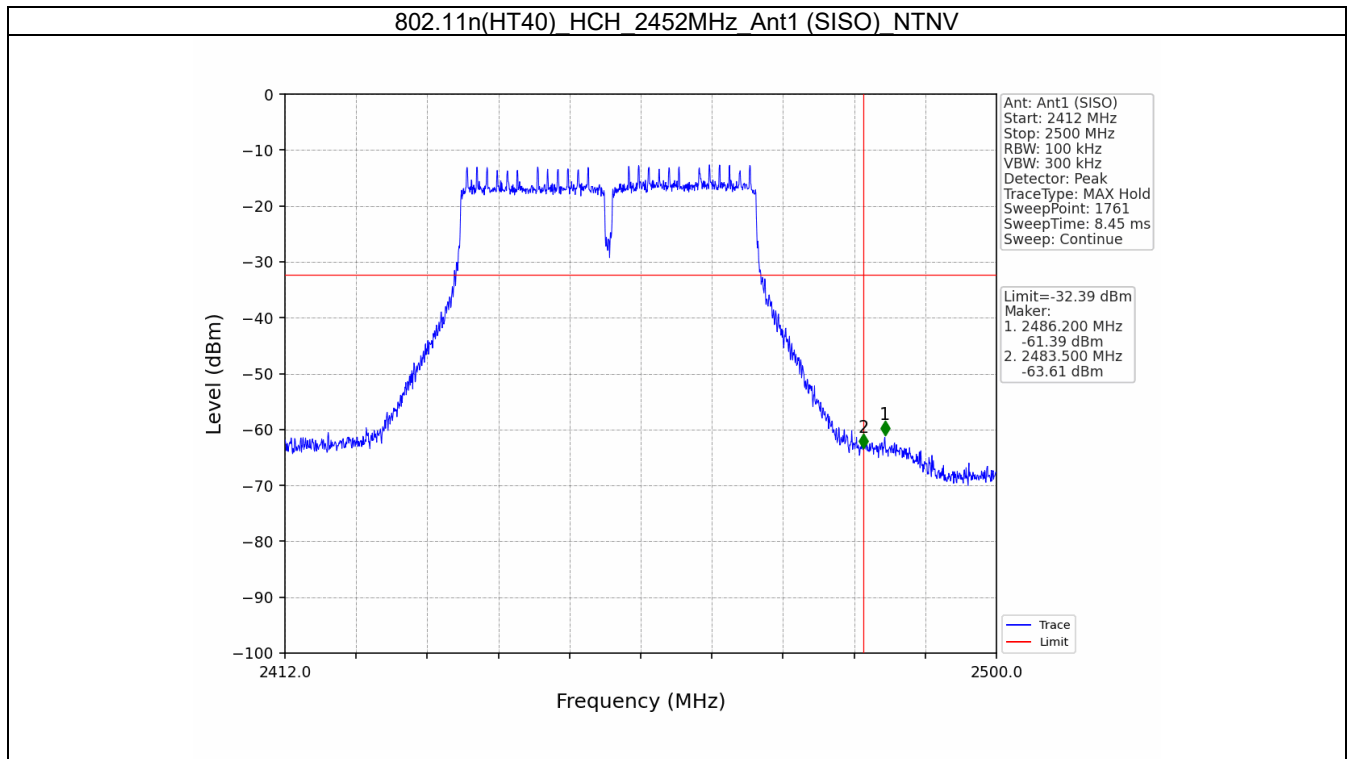


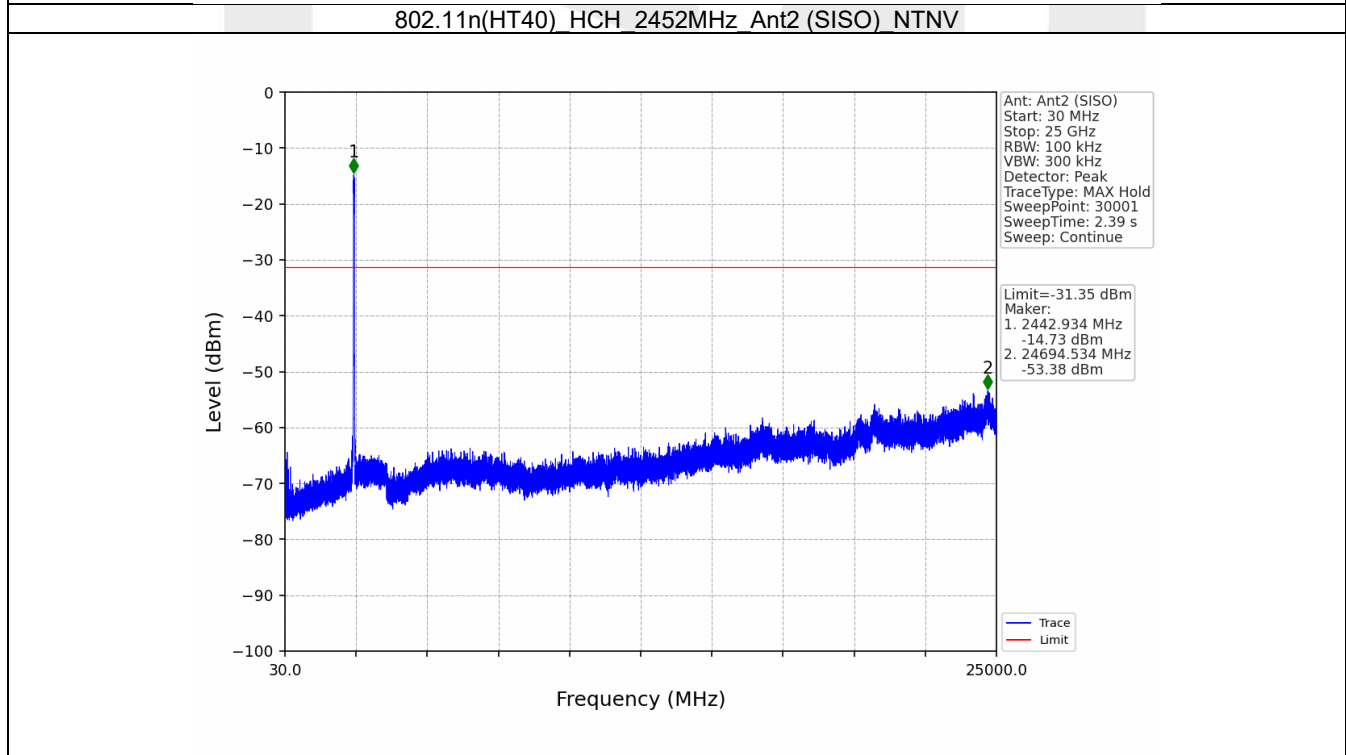
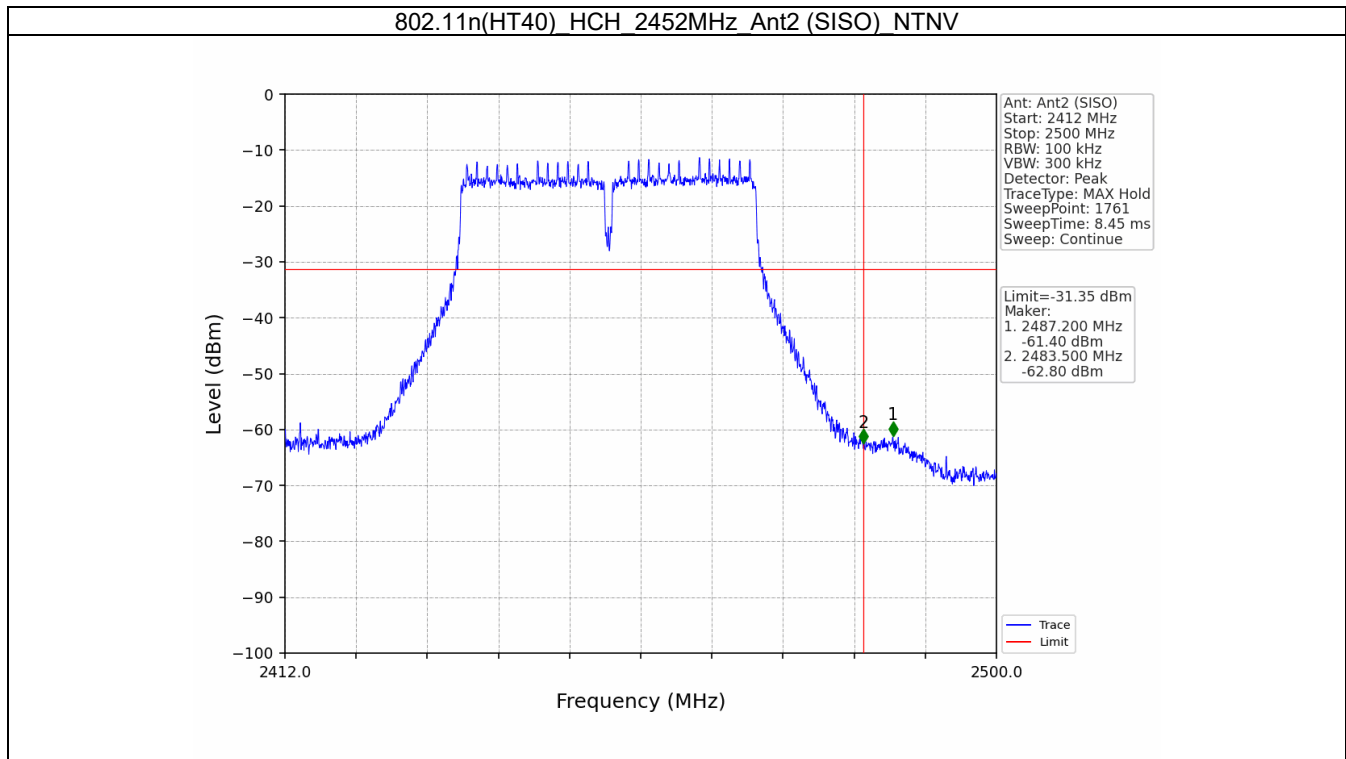












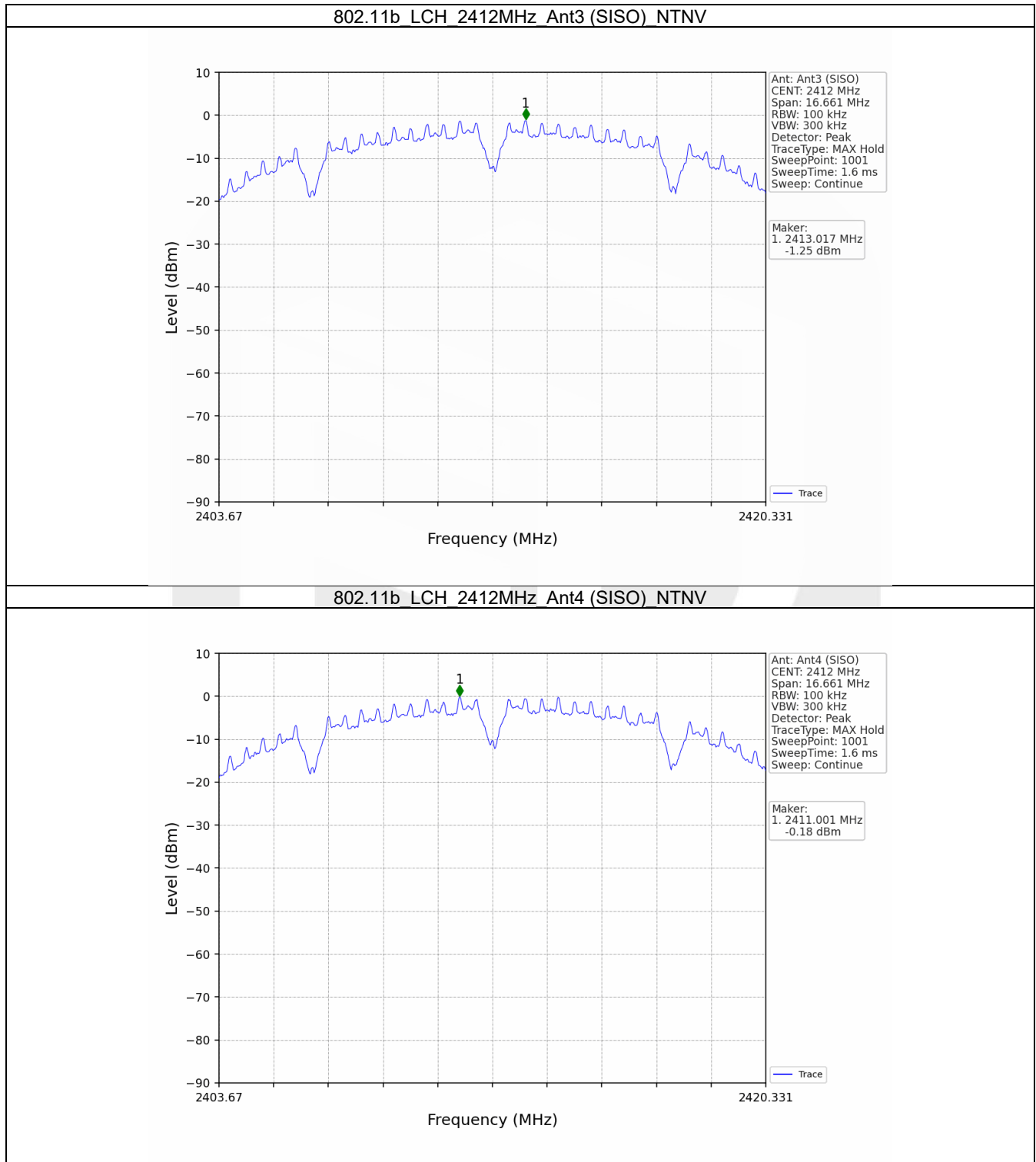
5.2.1 Ref (WiFi Module 2)

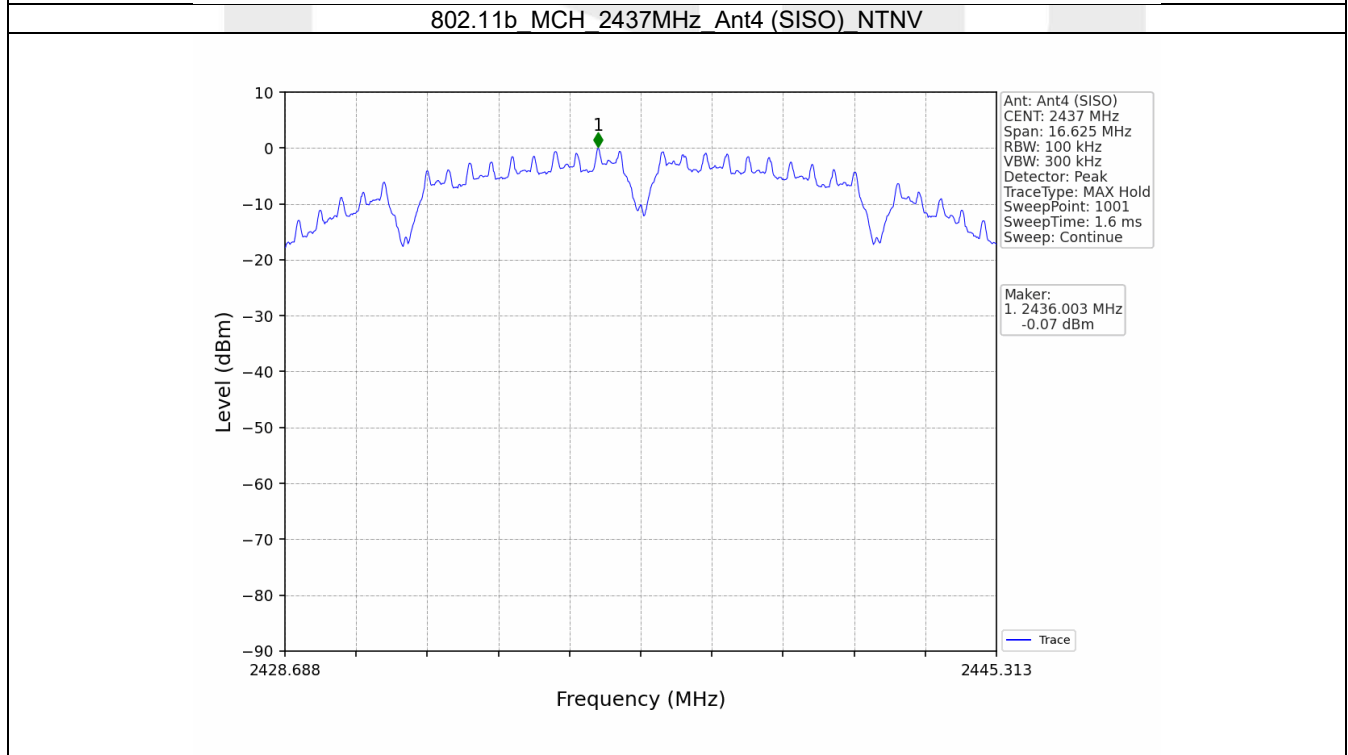
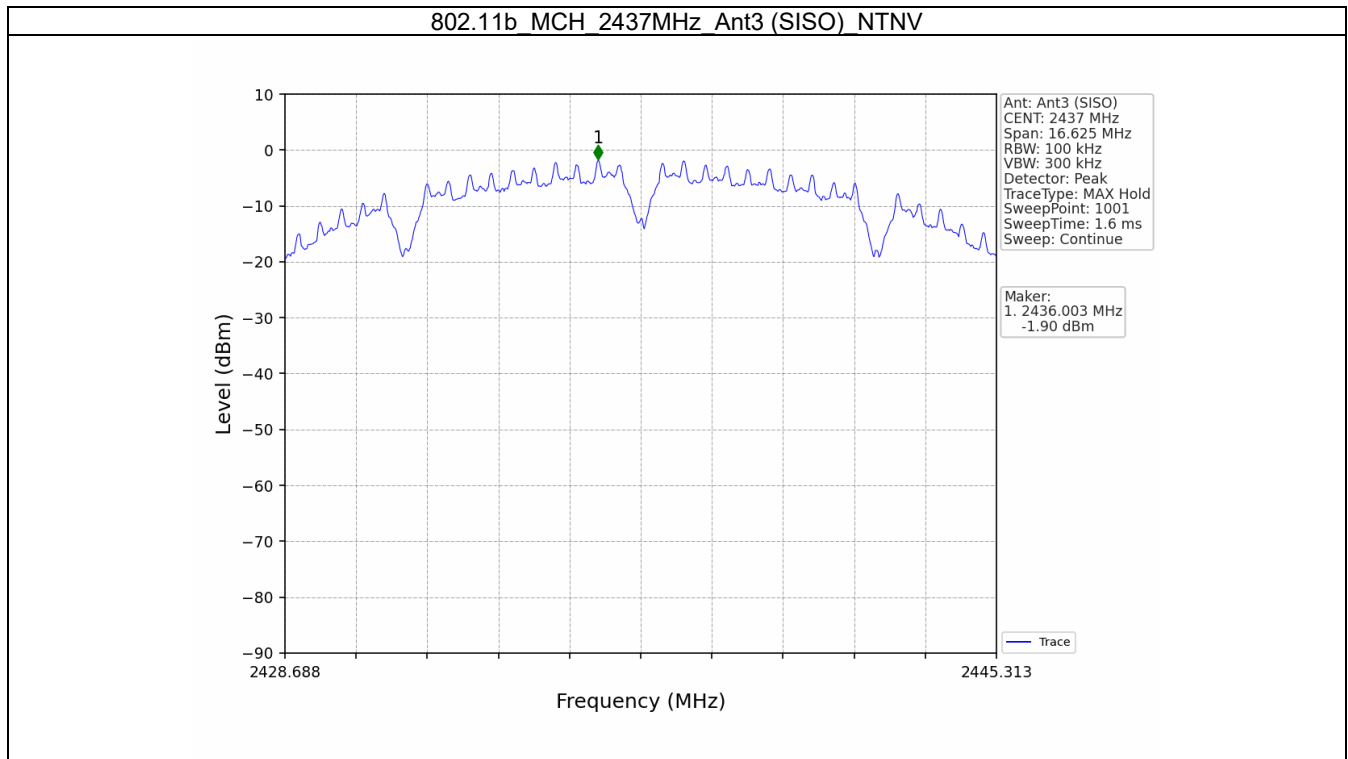
5.2.1.1 Test Result

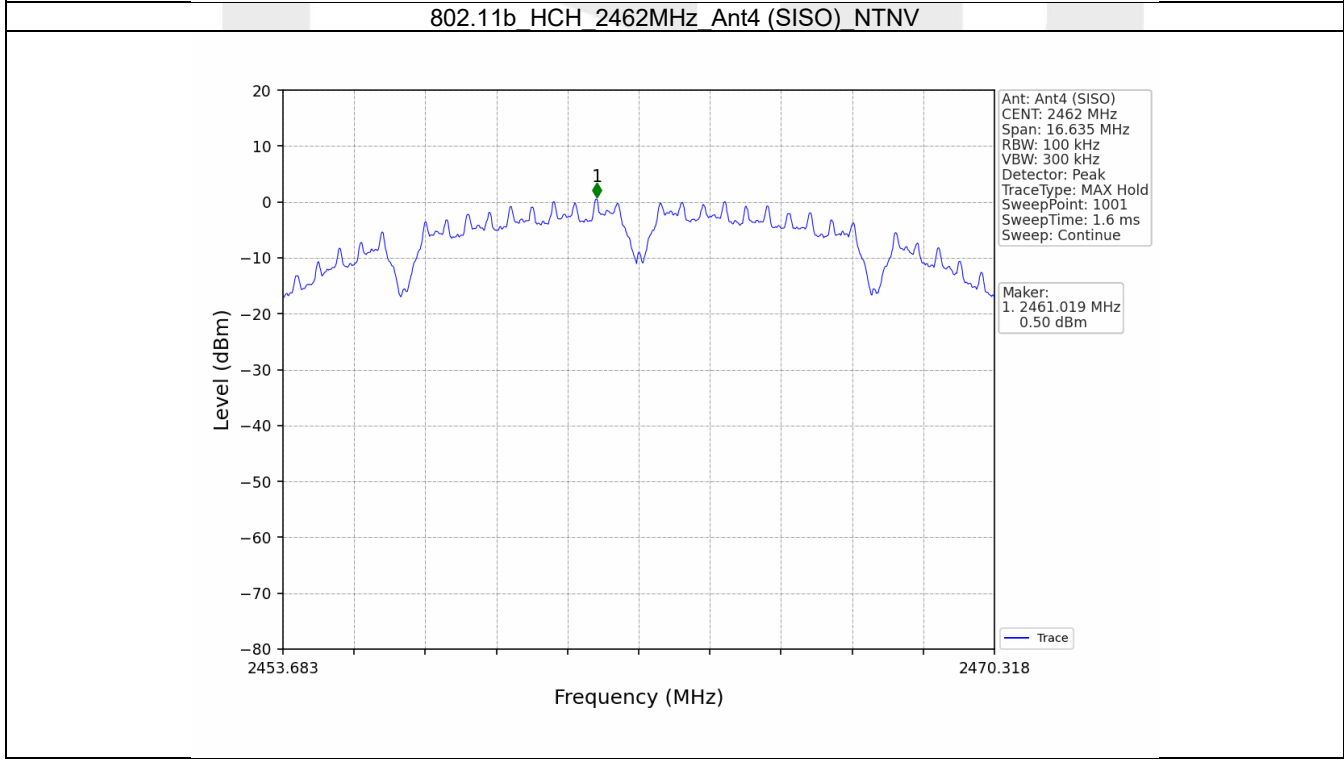
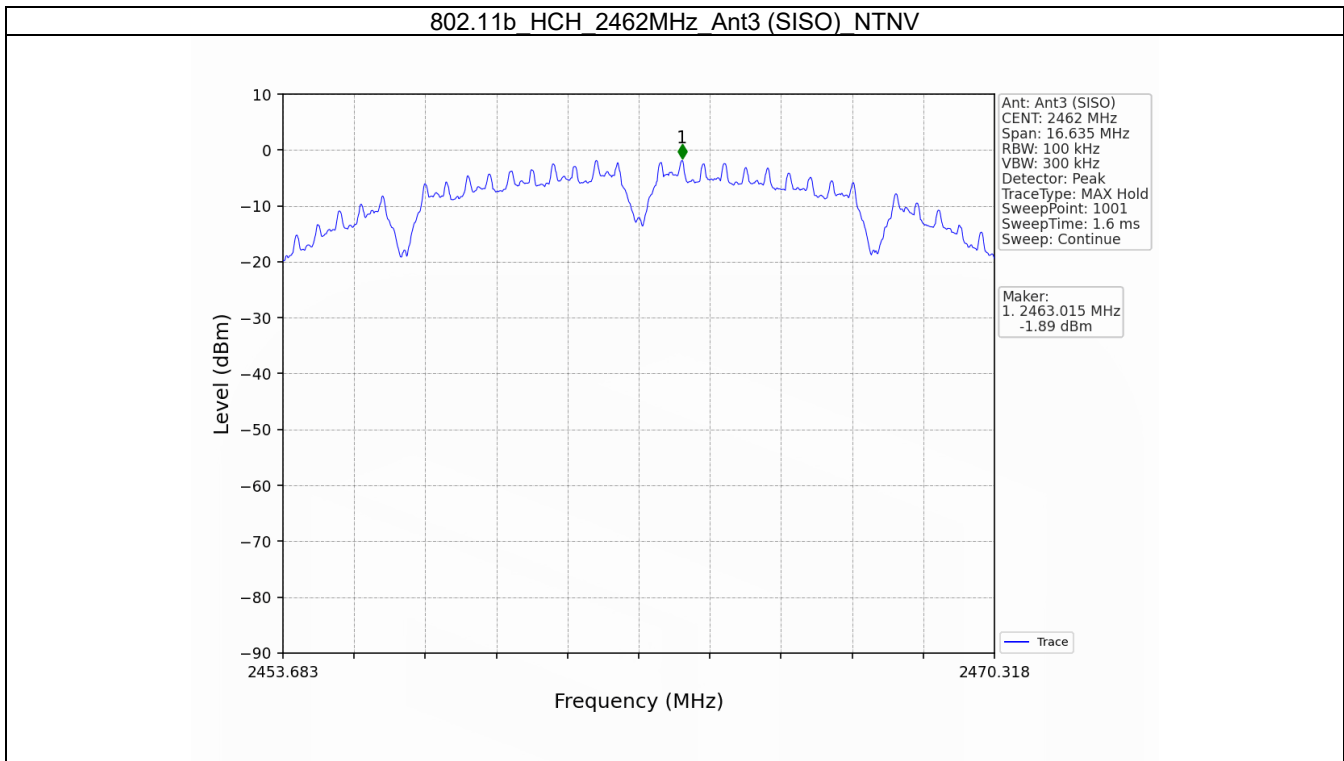
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	3	-1.25
			4	-0.18
		2437	3	-1.90
			4	-0.07
		2462	3	-1.89
			4	0.50
802.11g	SISO	2412	3	-6.47
			4	-5.48
		2437	3	-8.03
			4	-5.87
		2462	3	-7.72
			4	-7.41
802.11n (HT20)	SISO	2412	3	-7.84
			4	-7.08
		2437	3	-8.12
			4	-7.80
		2462	3	-7.90
			4	-7.18
802.11n (HT40)	SISO	2422	3	-12.77
			4	-12.19
		2437	3	-13.12
			4	-12.26
		2452	3	-12.22
			4	-12.19

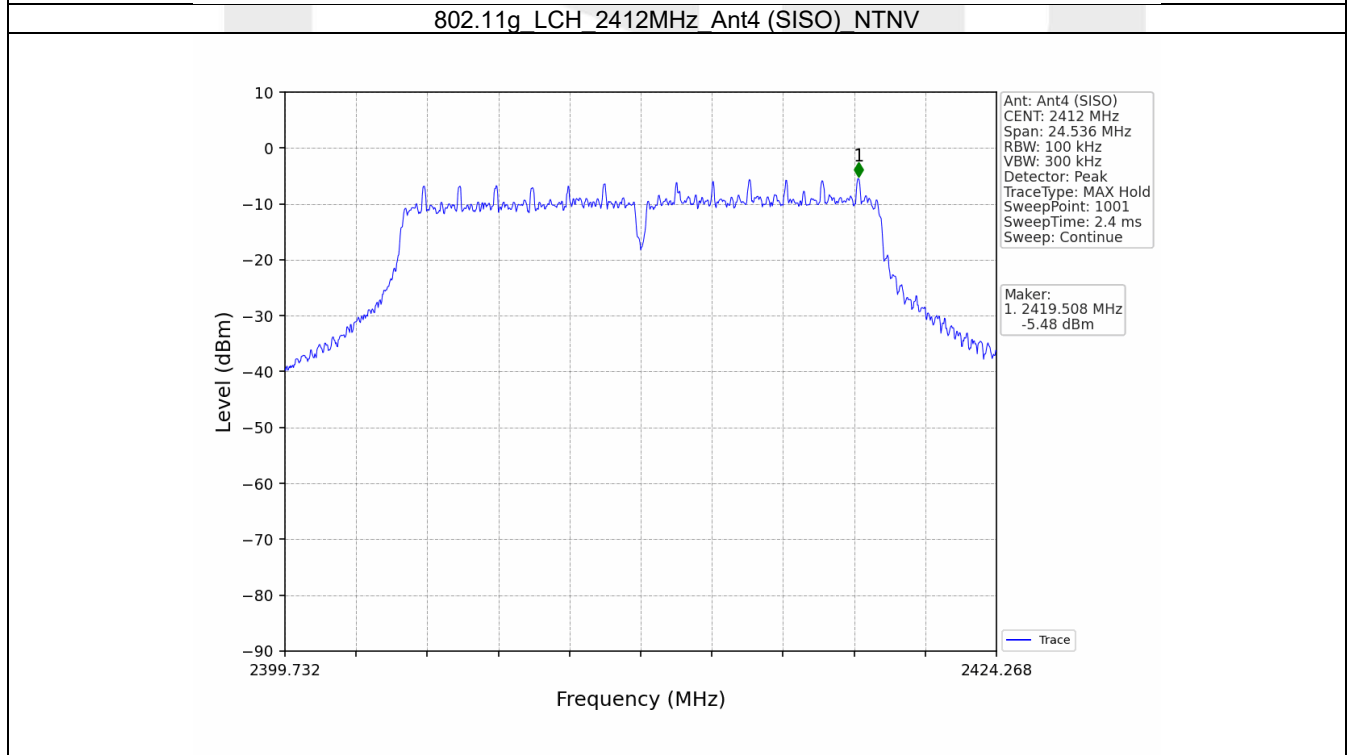
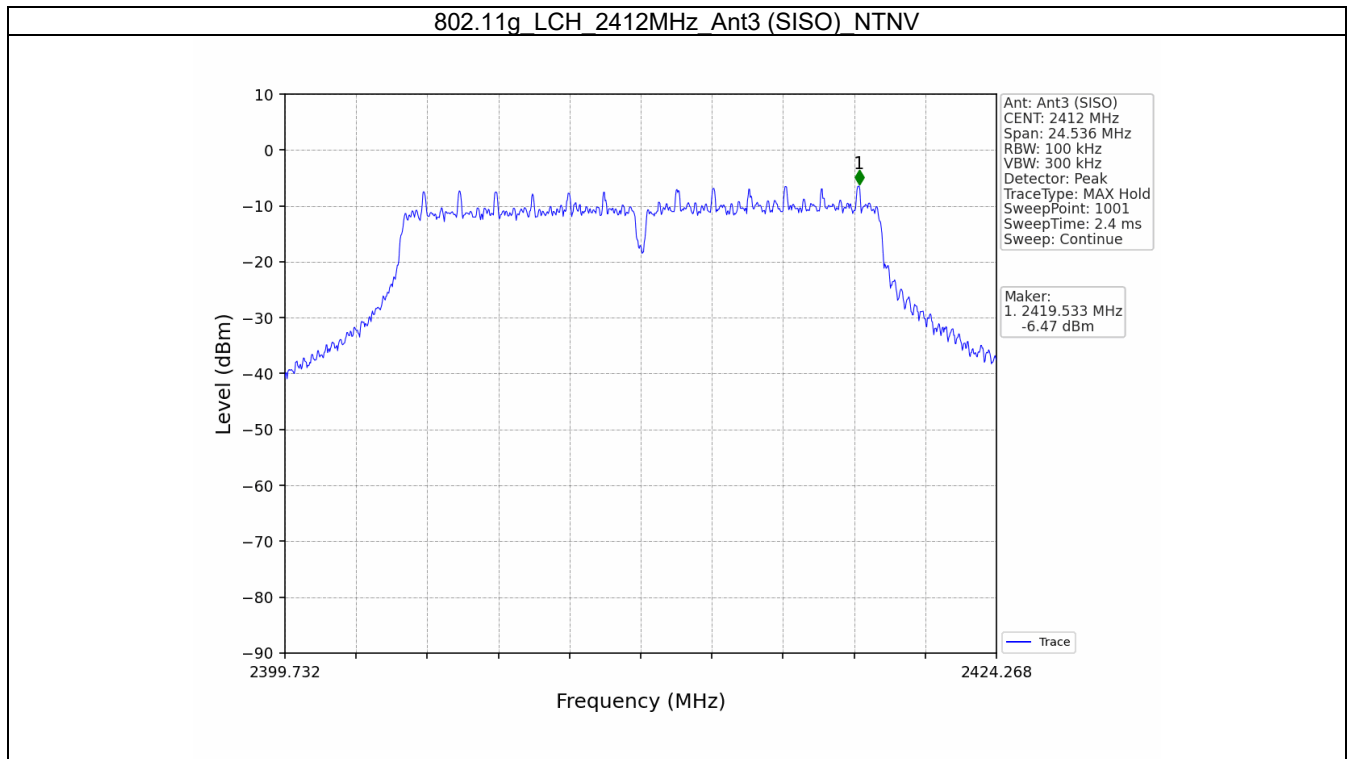
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

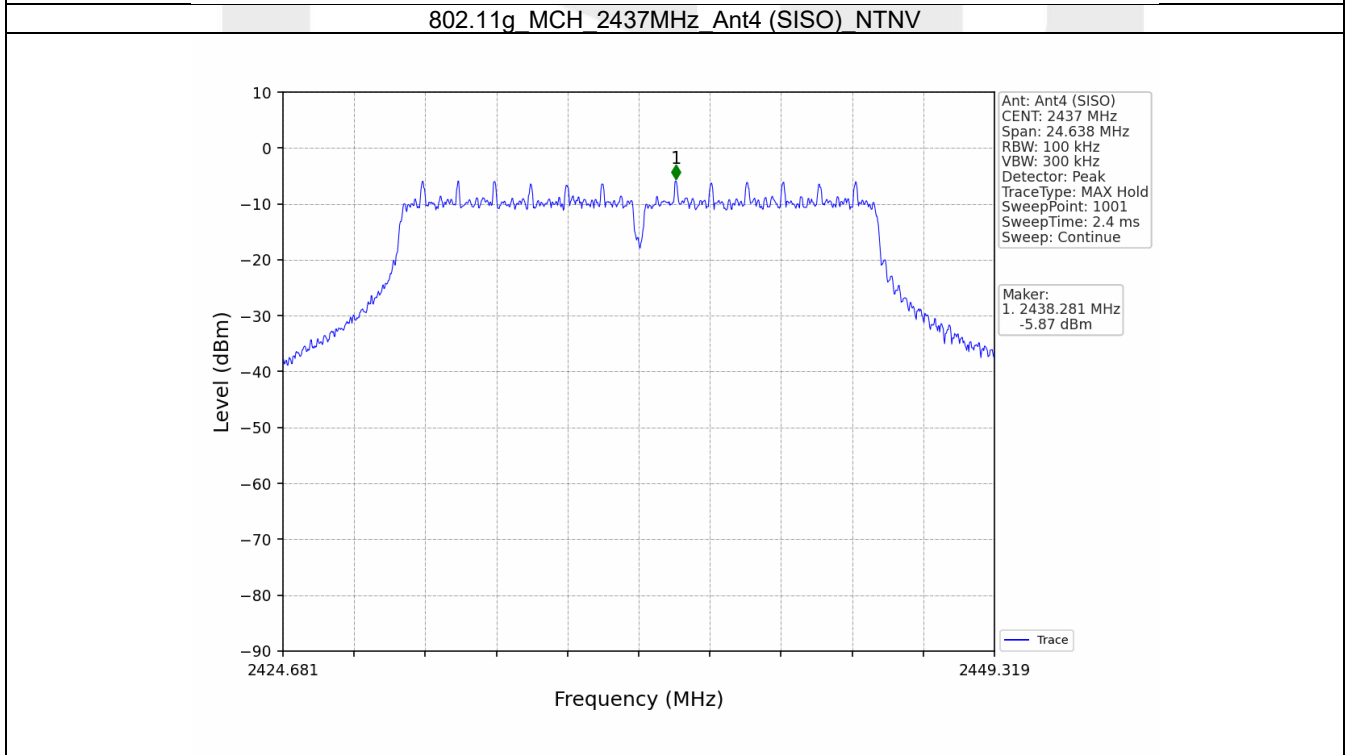
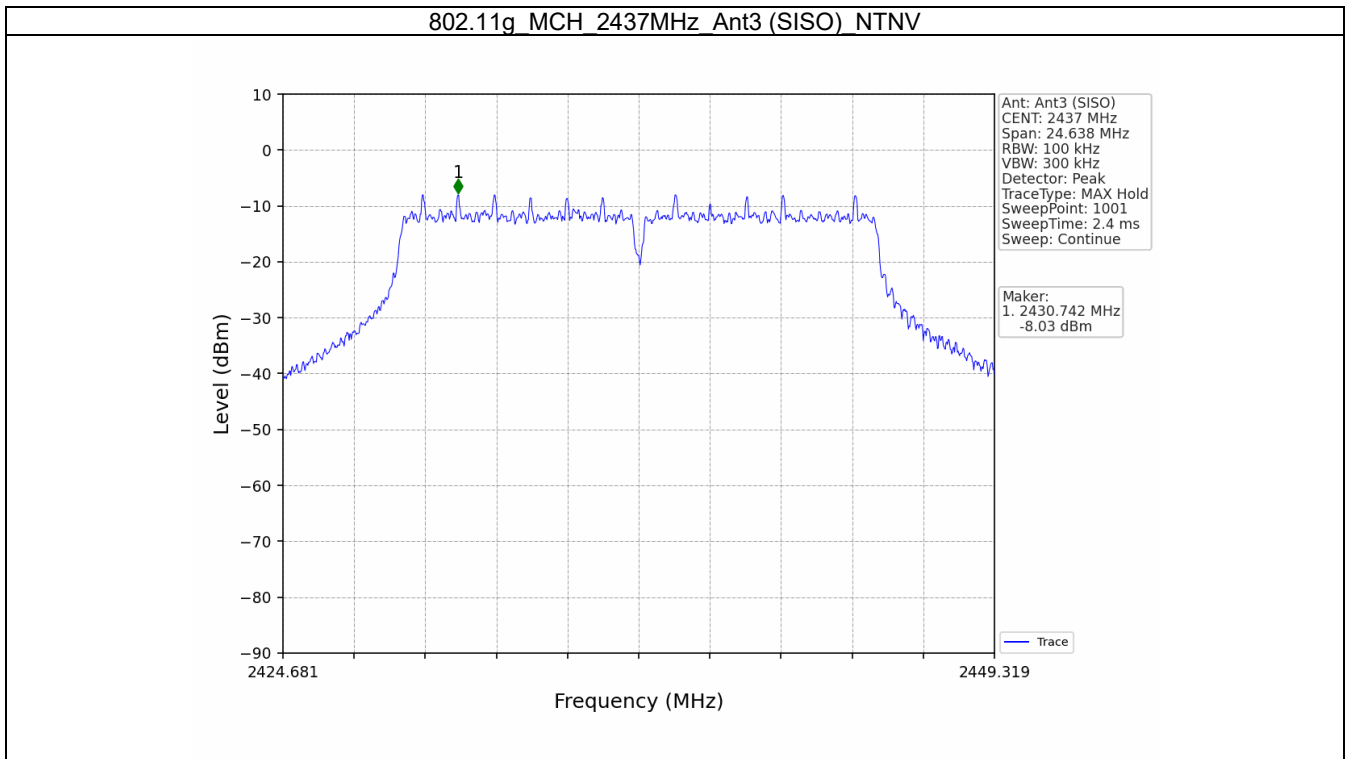
5.2.1.2 Test Graph

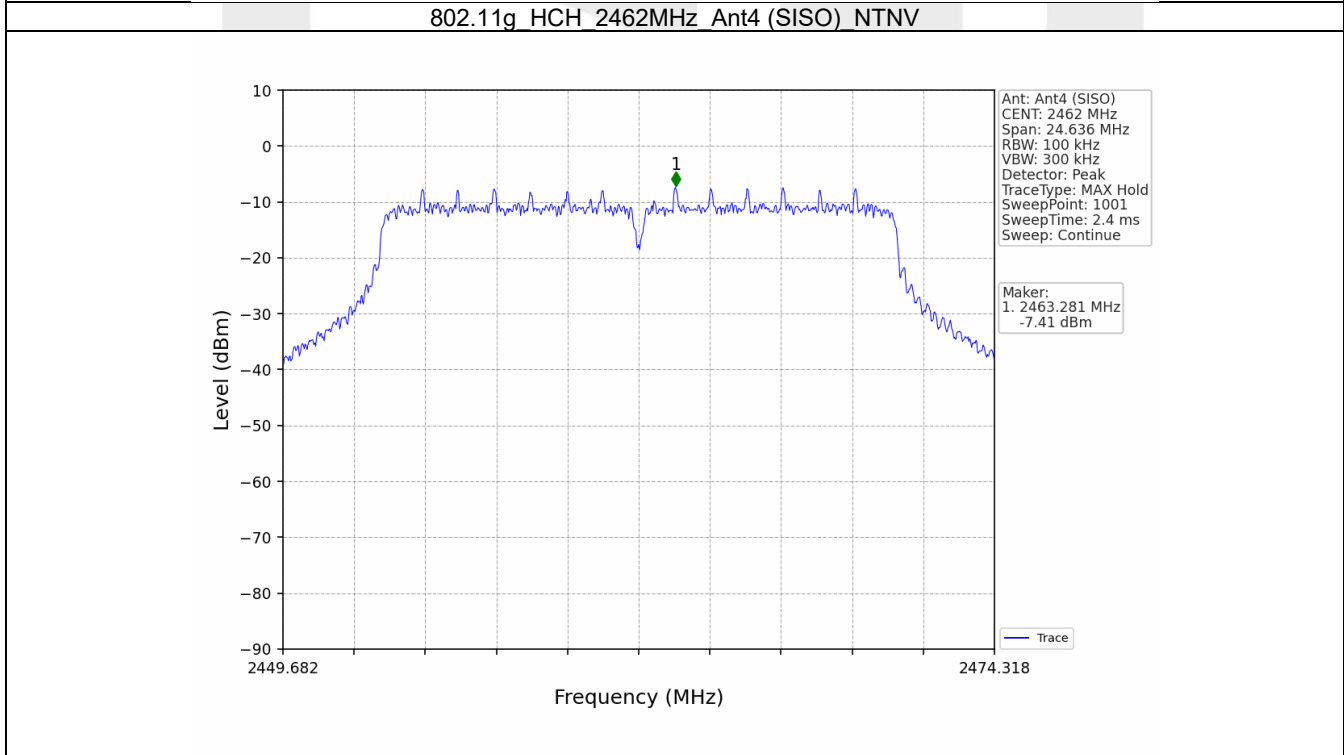
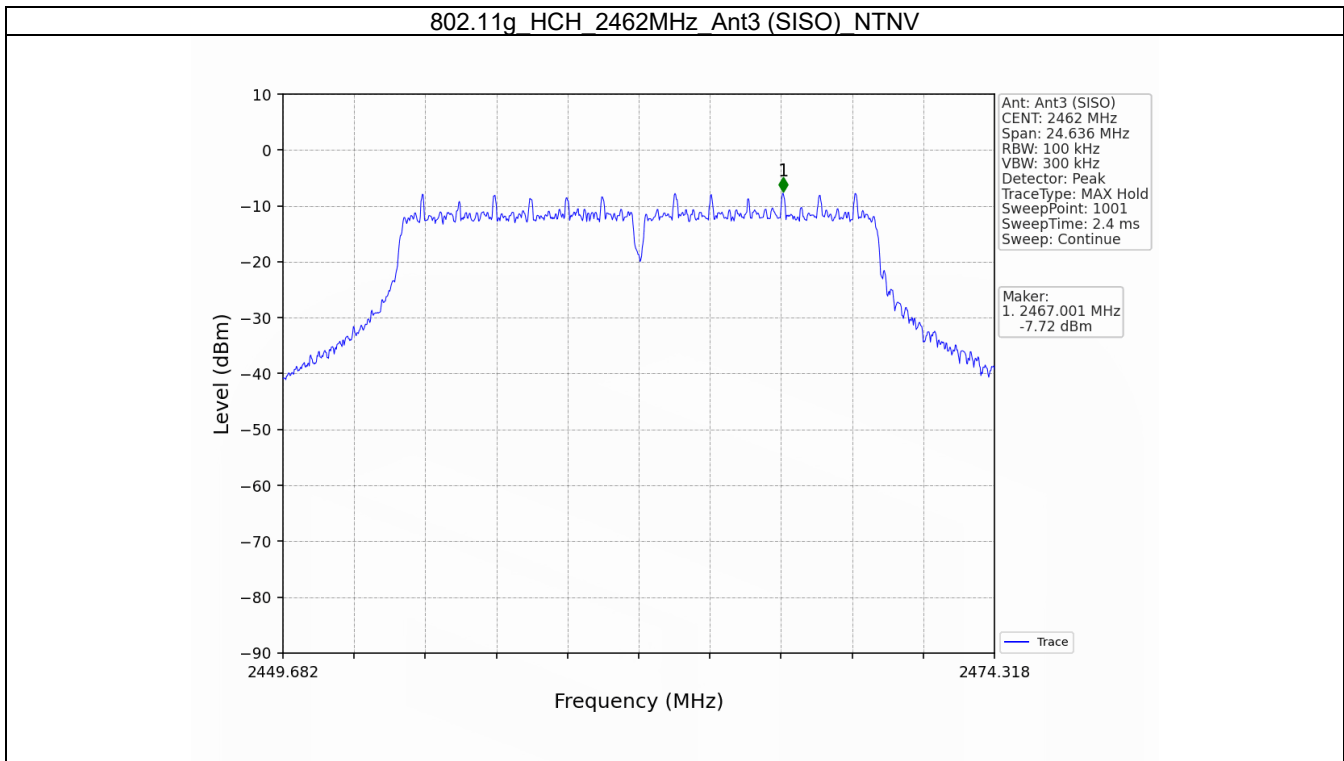


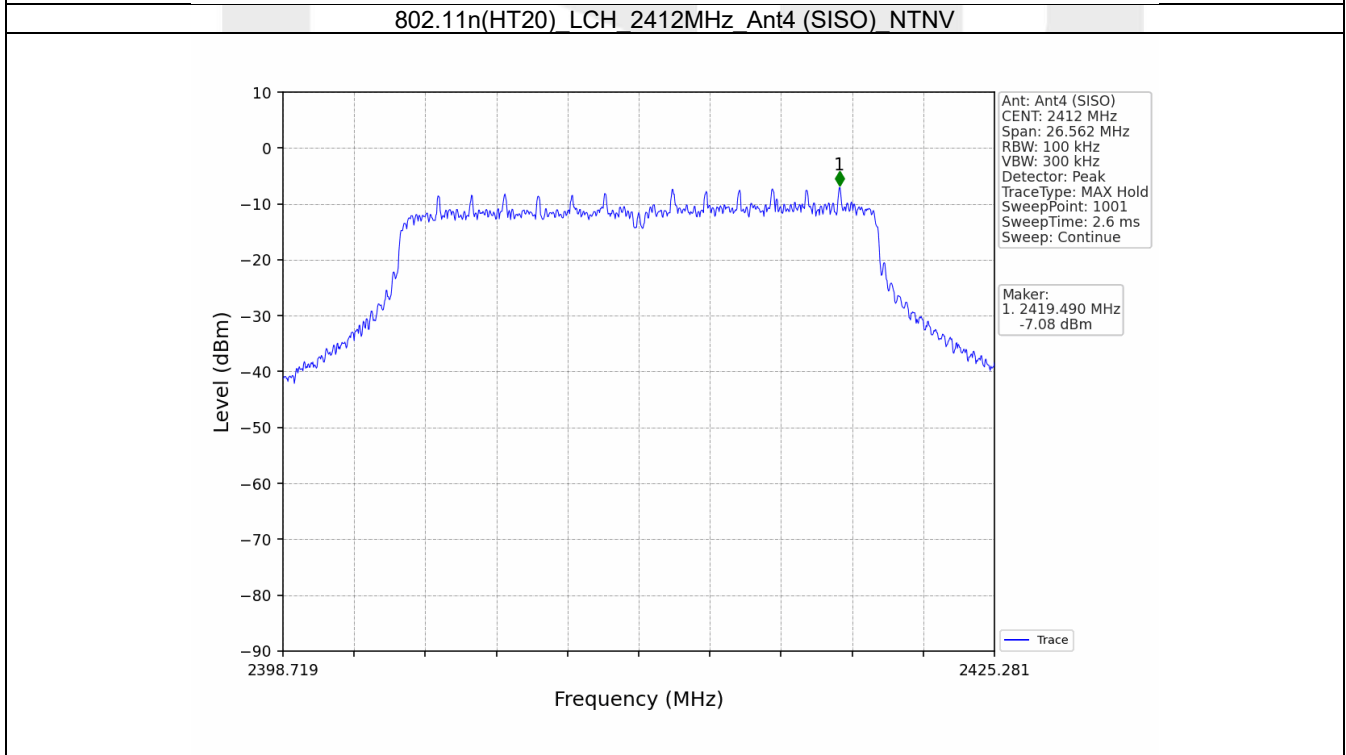
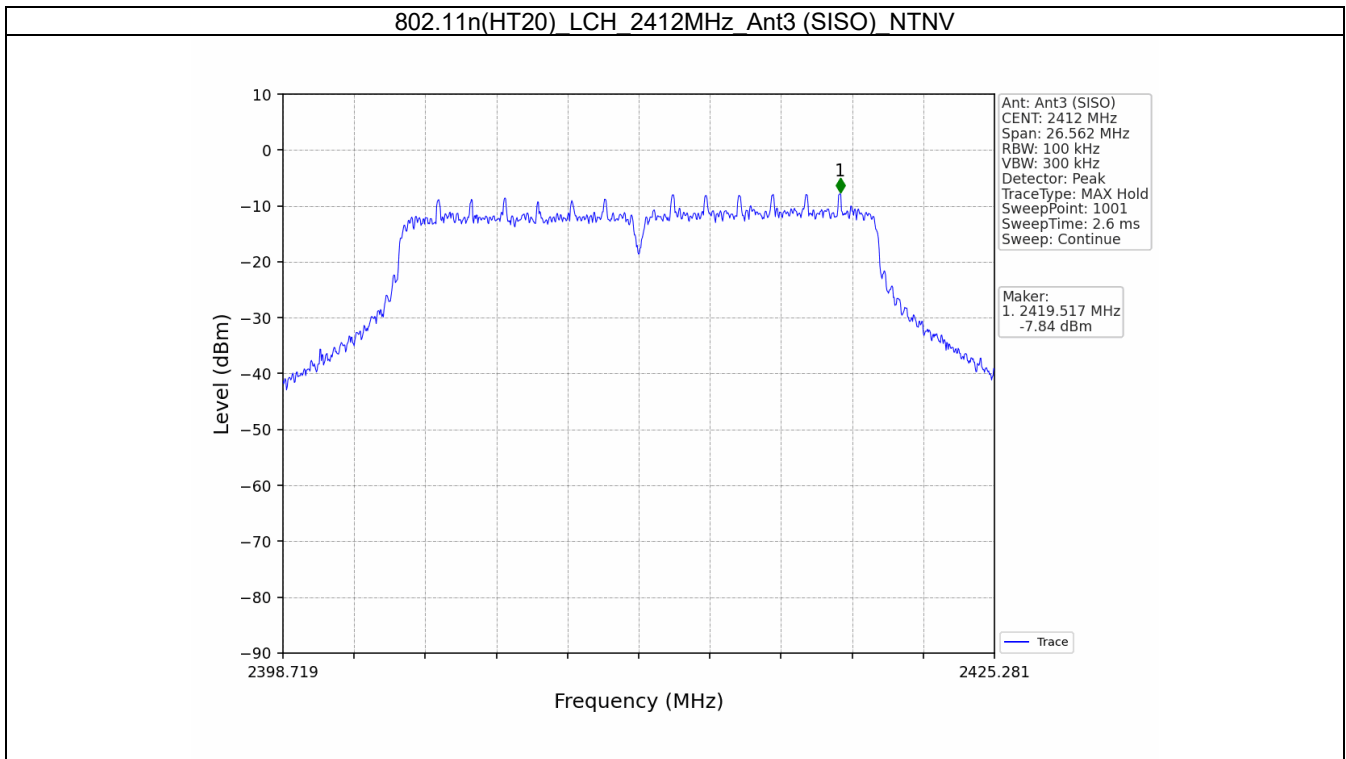


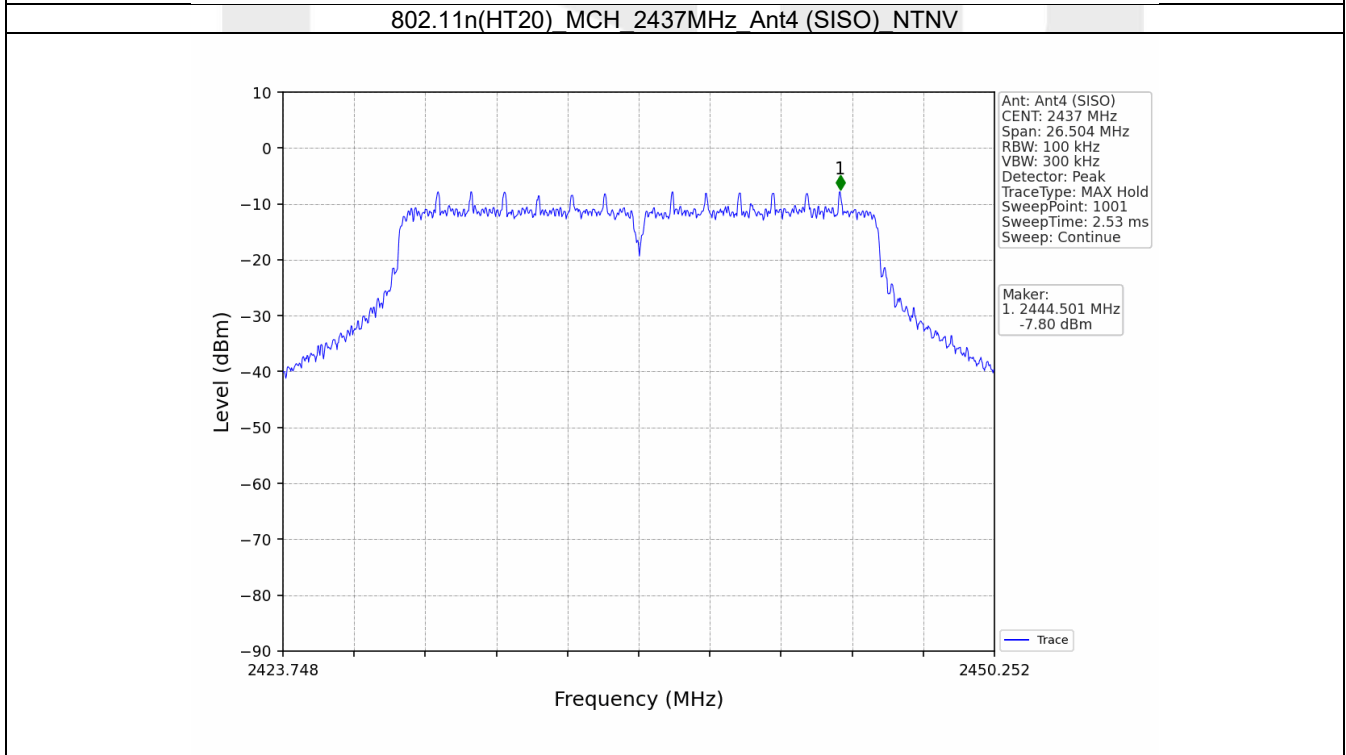
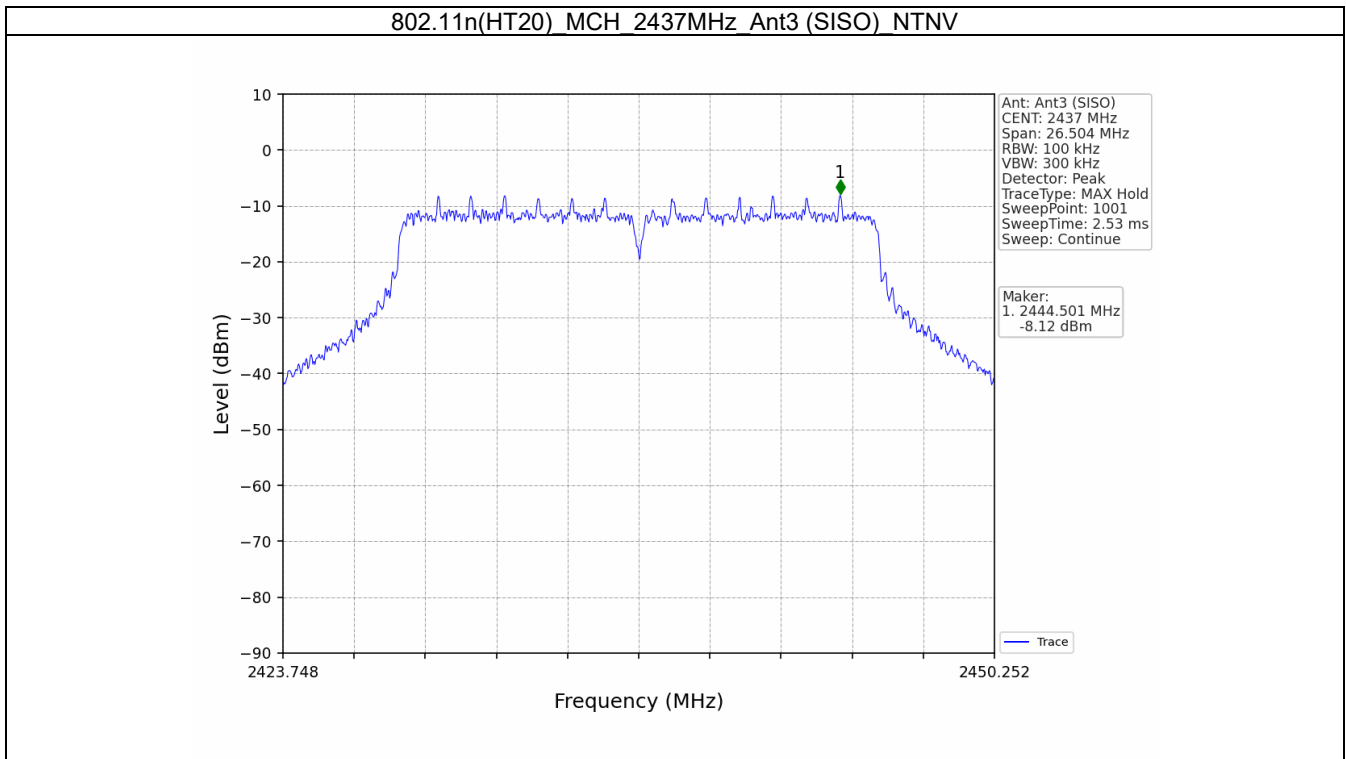


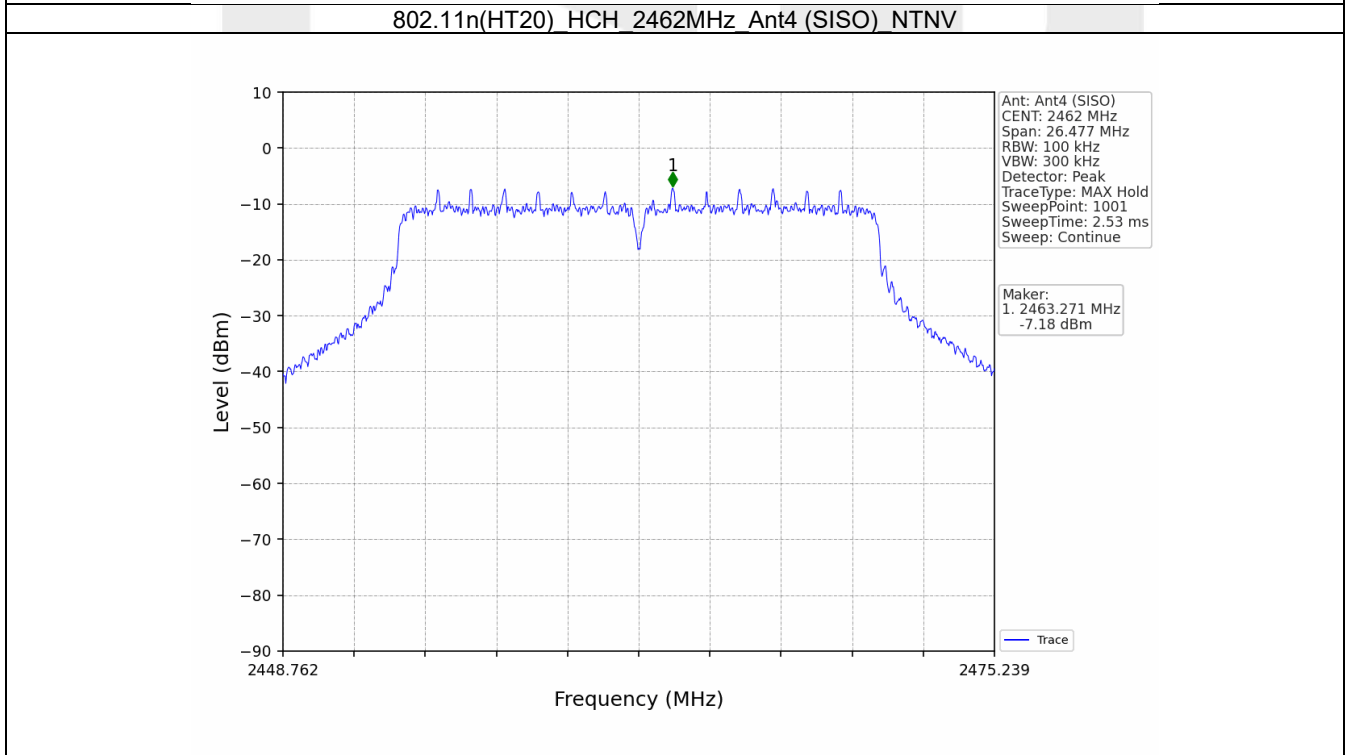
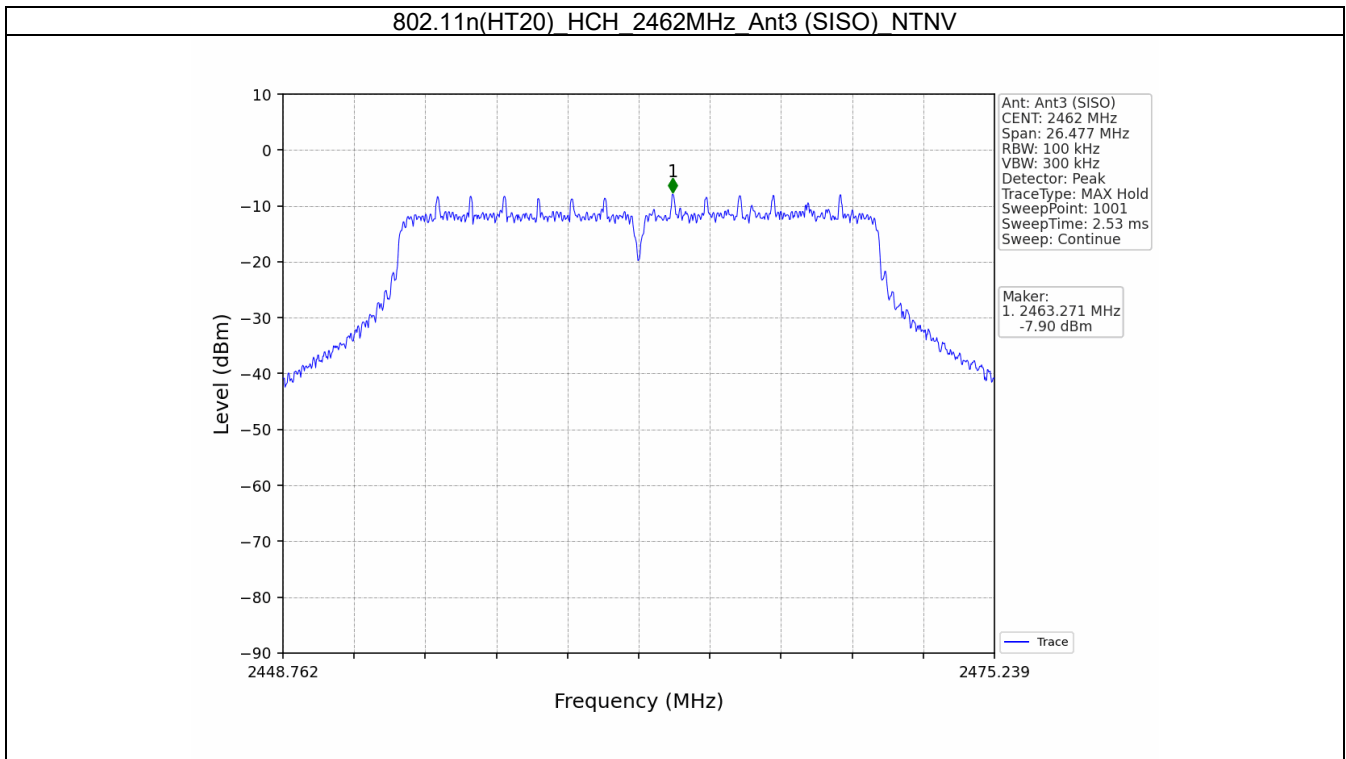


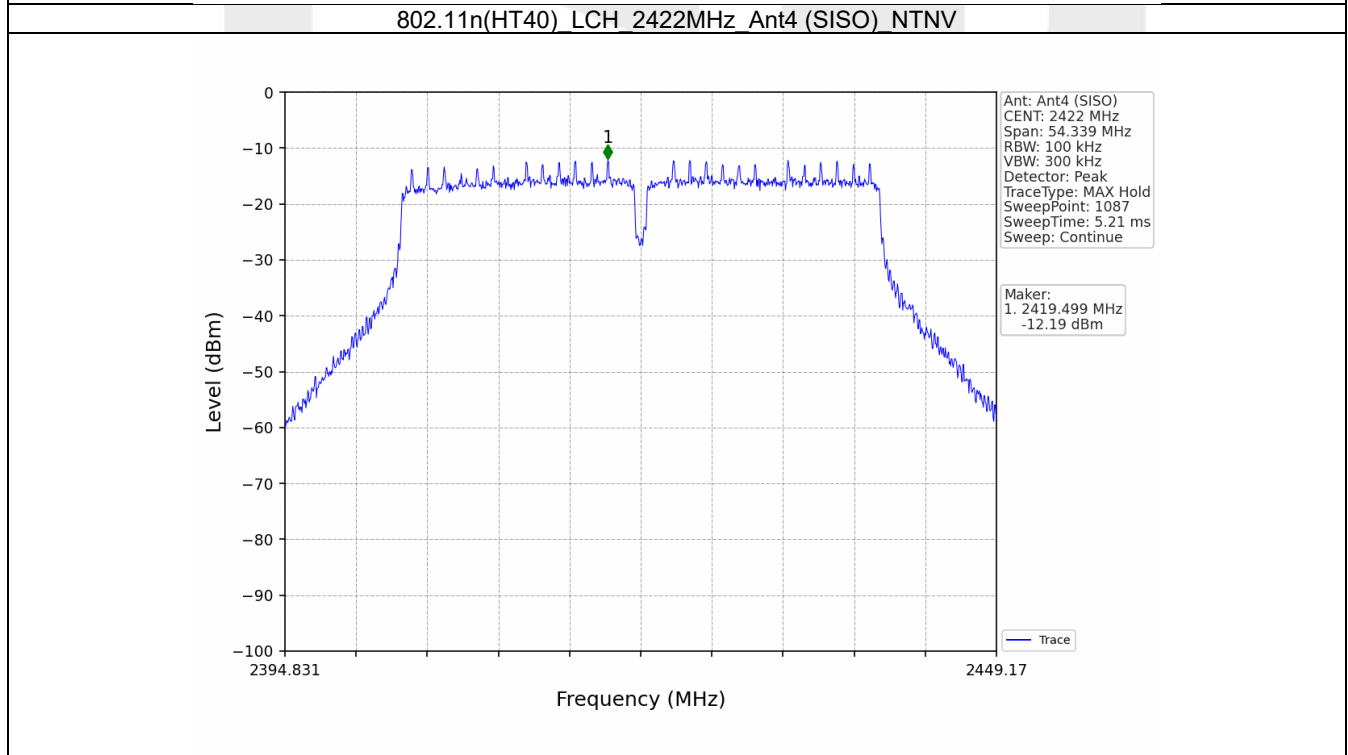
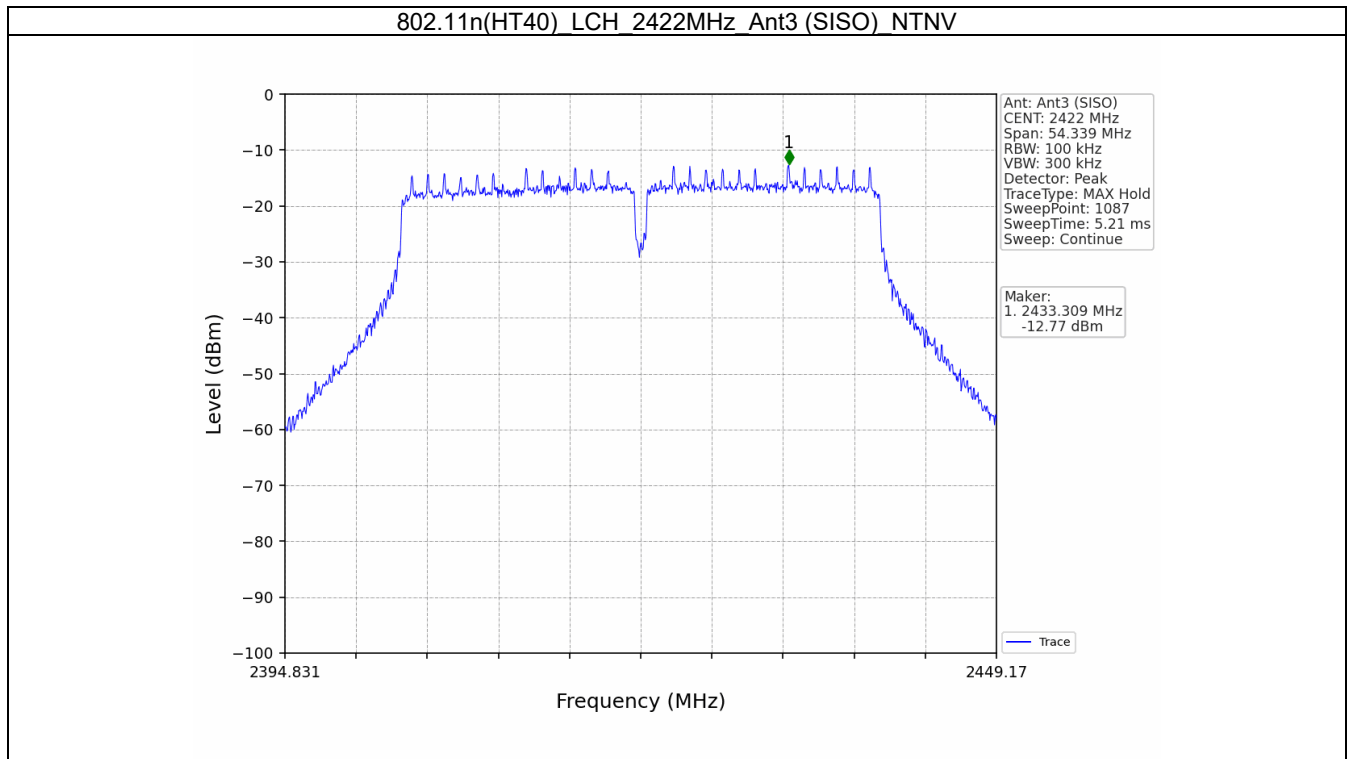


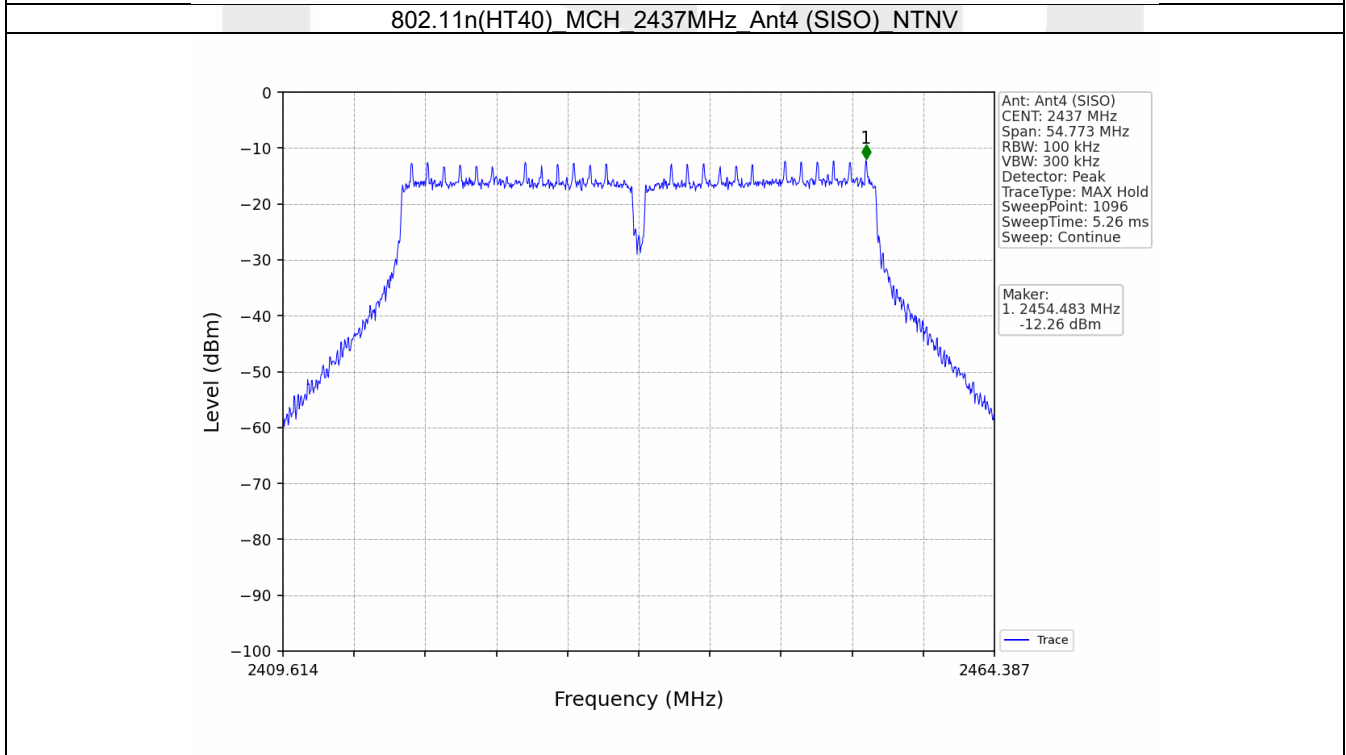
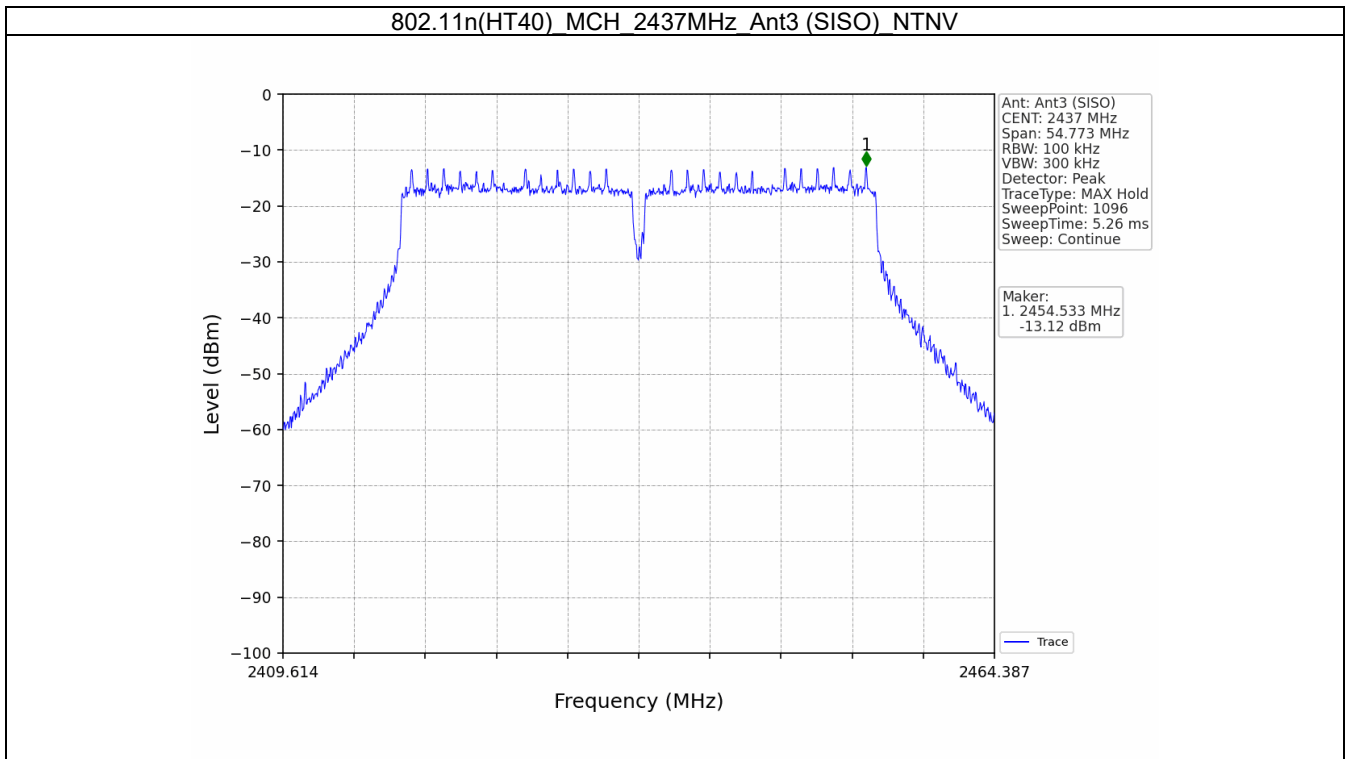


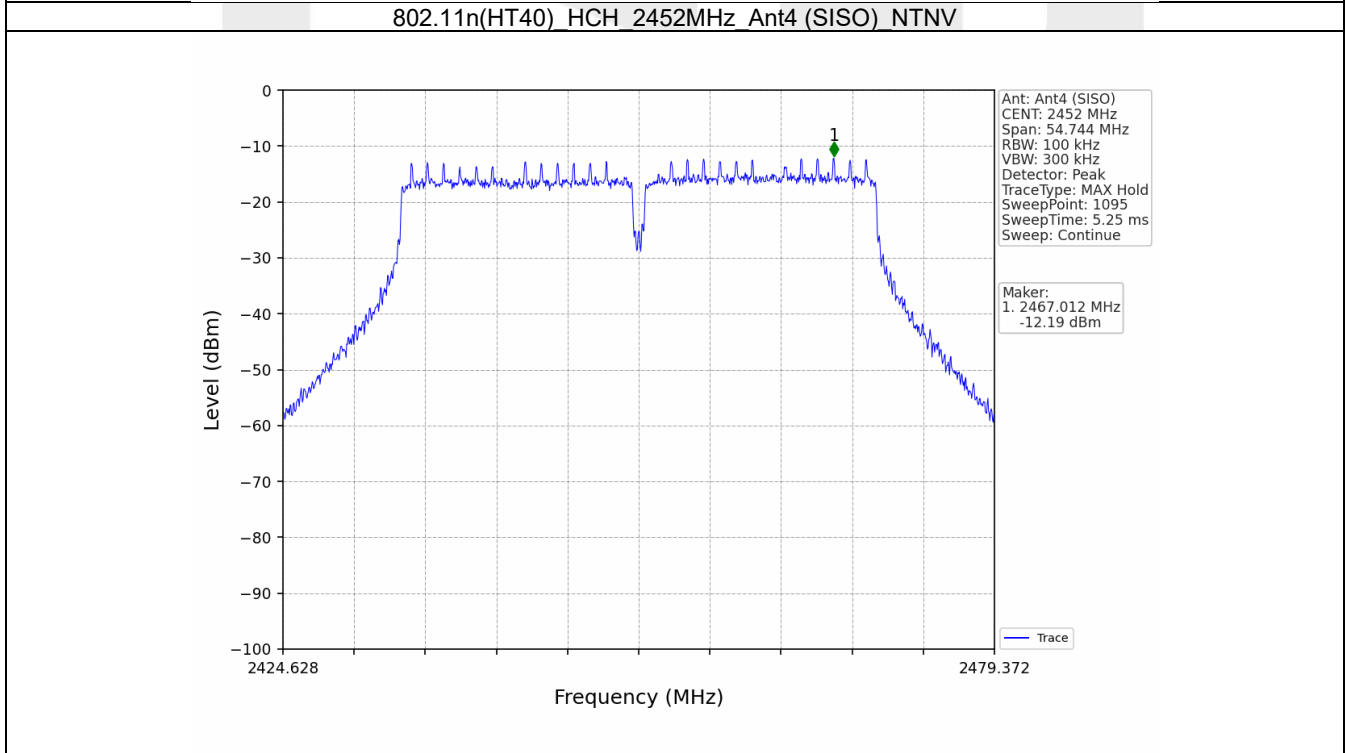
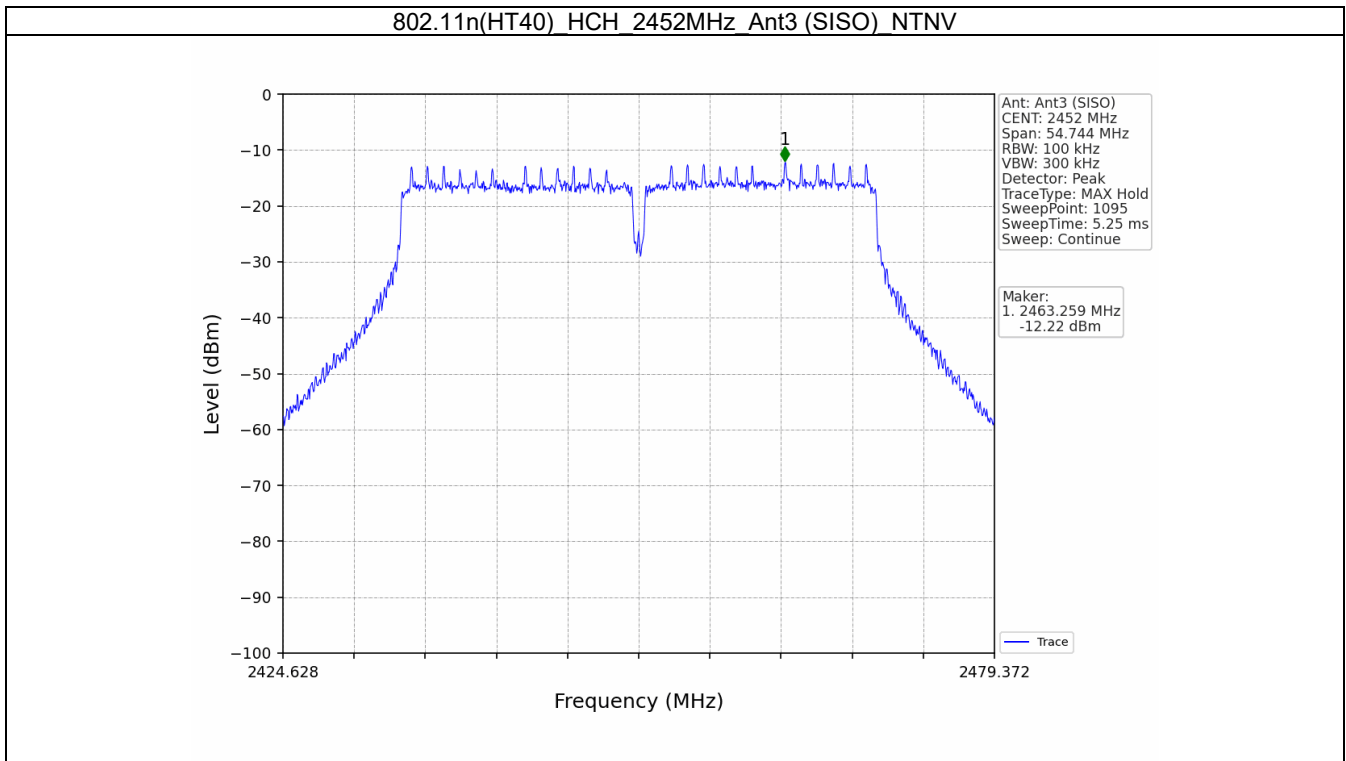












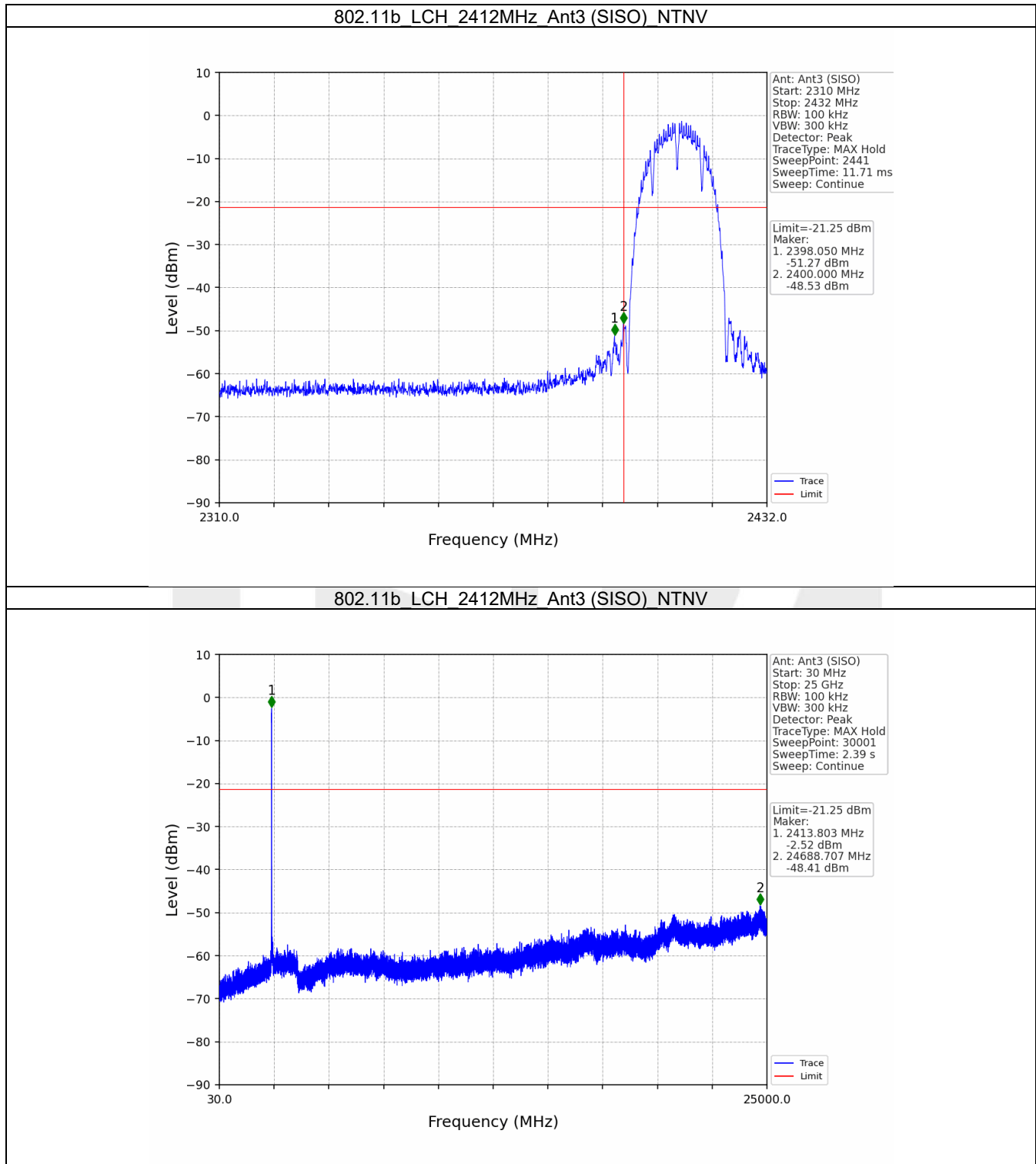
5.2.2 CSE

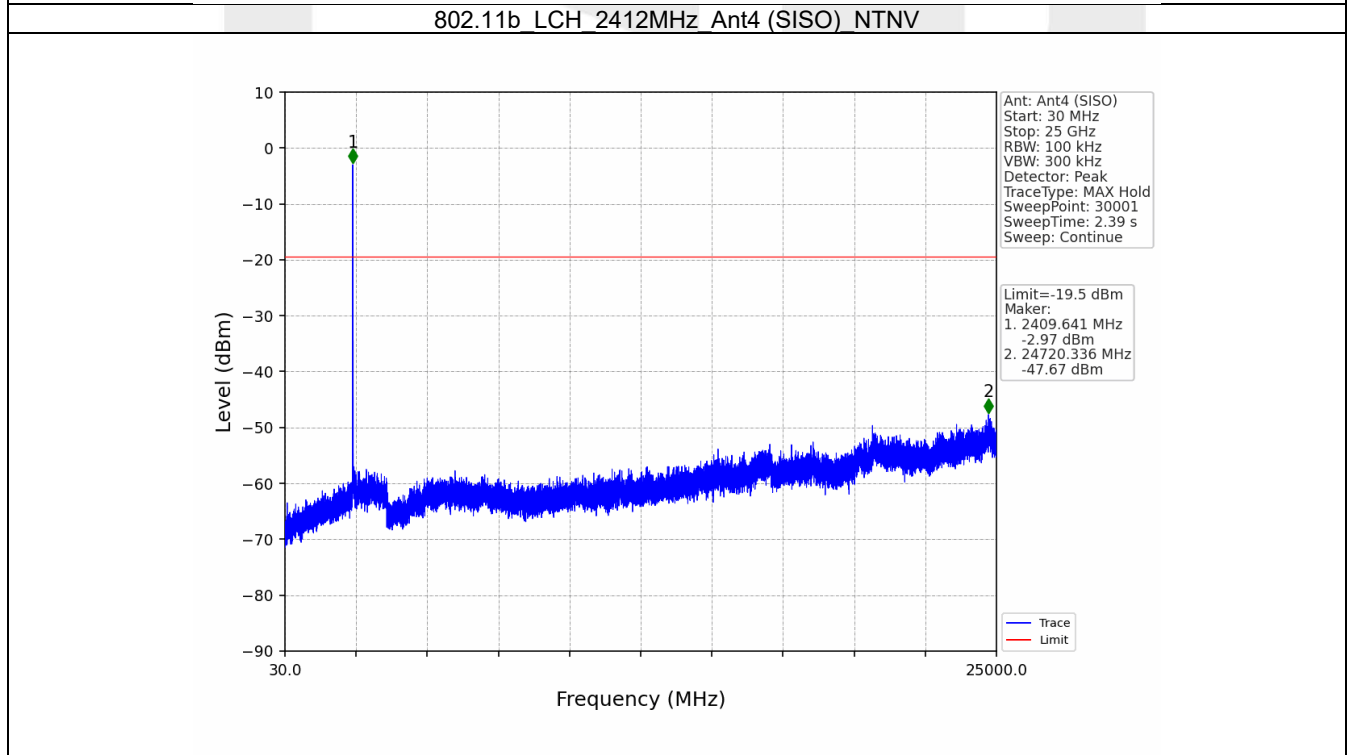
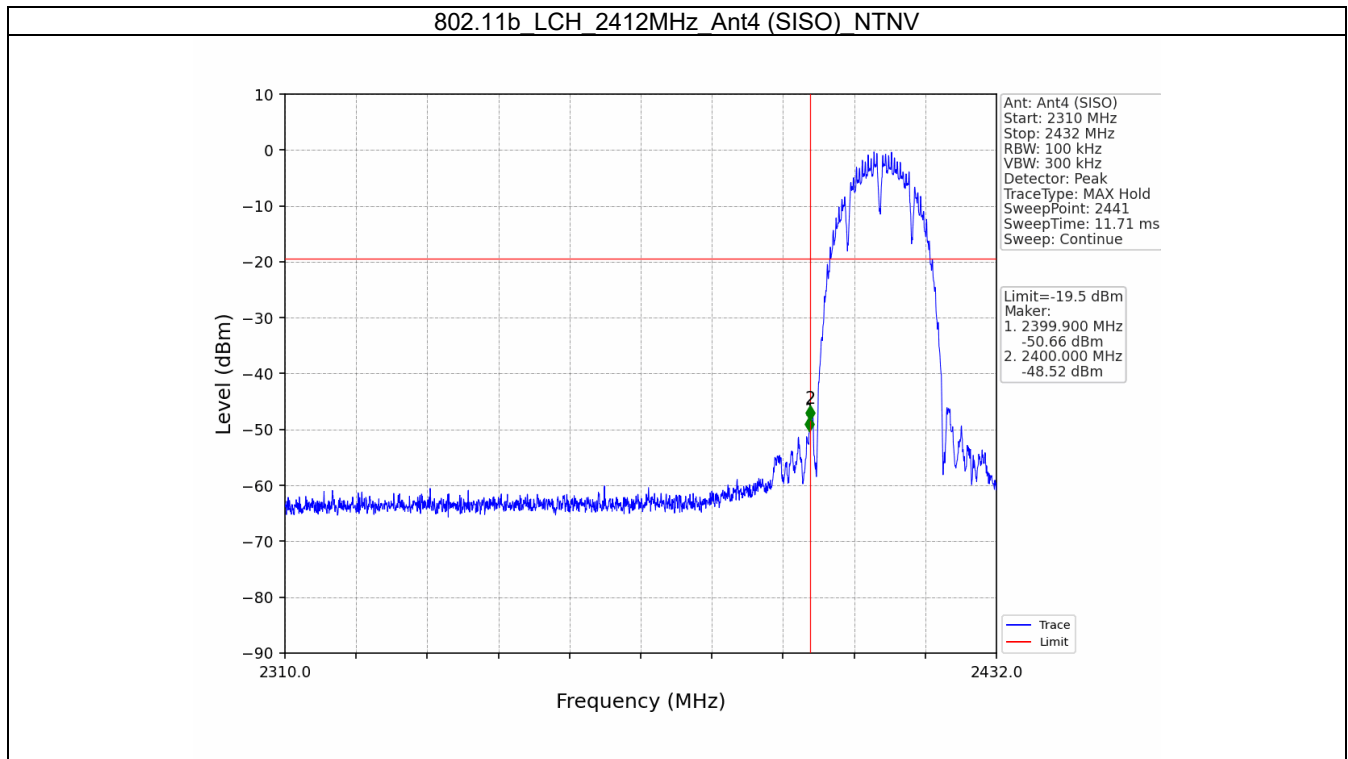
5.2.2.1 Test Result

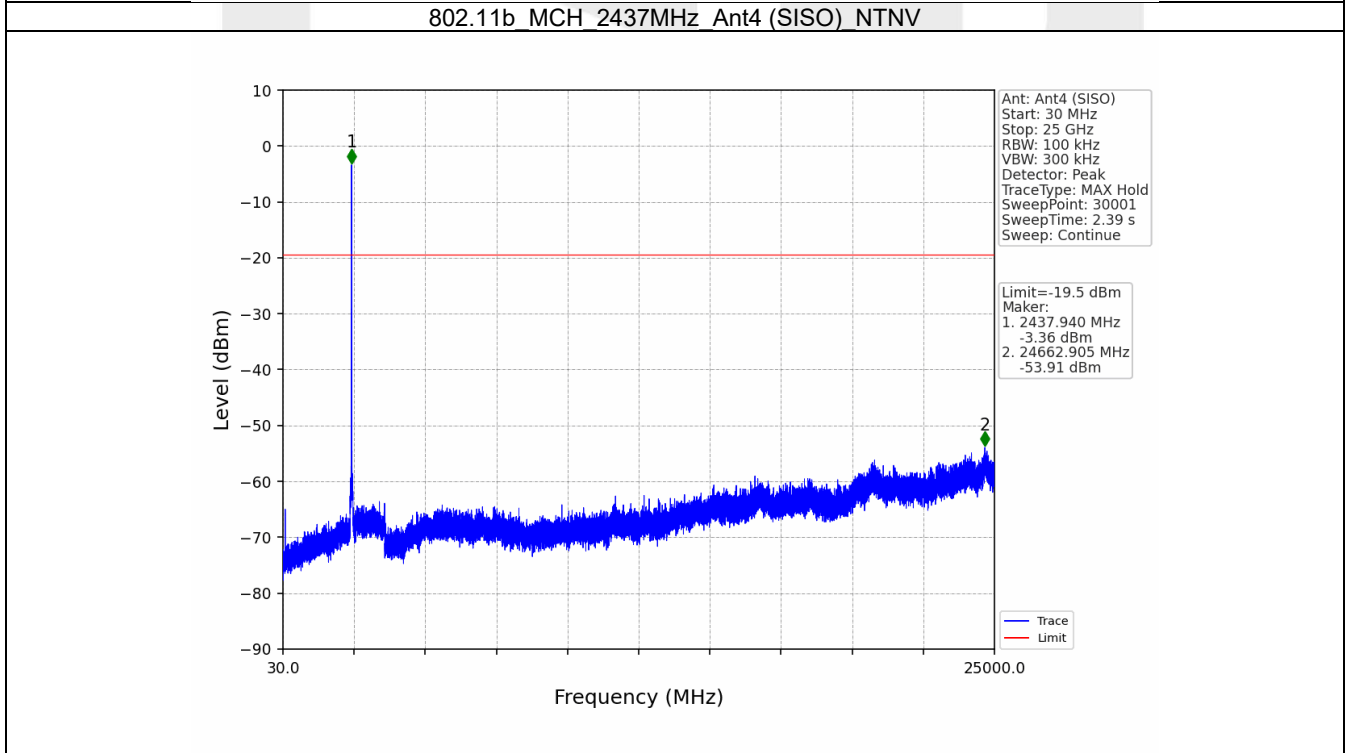
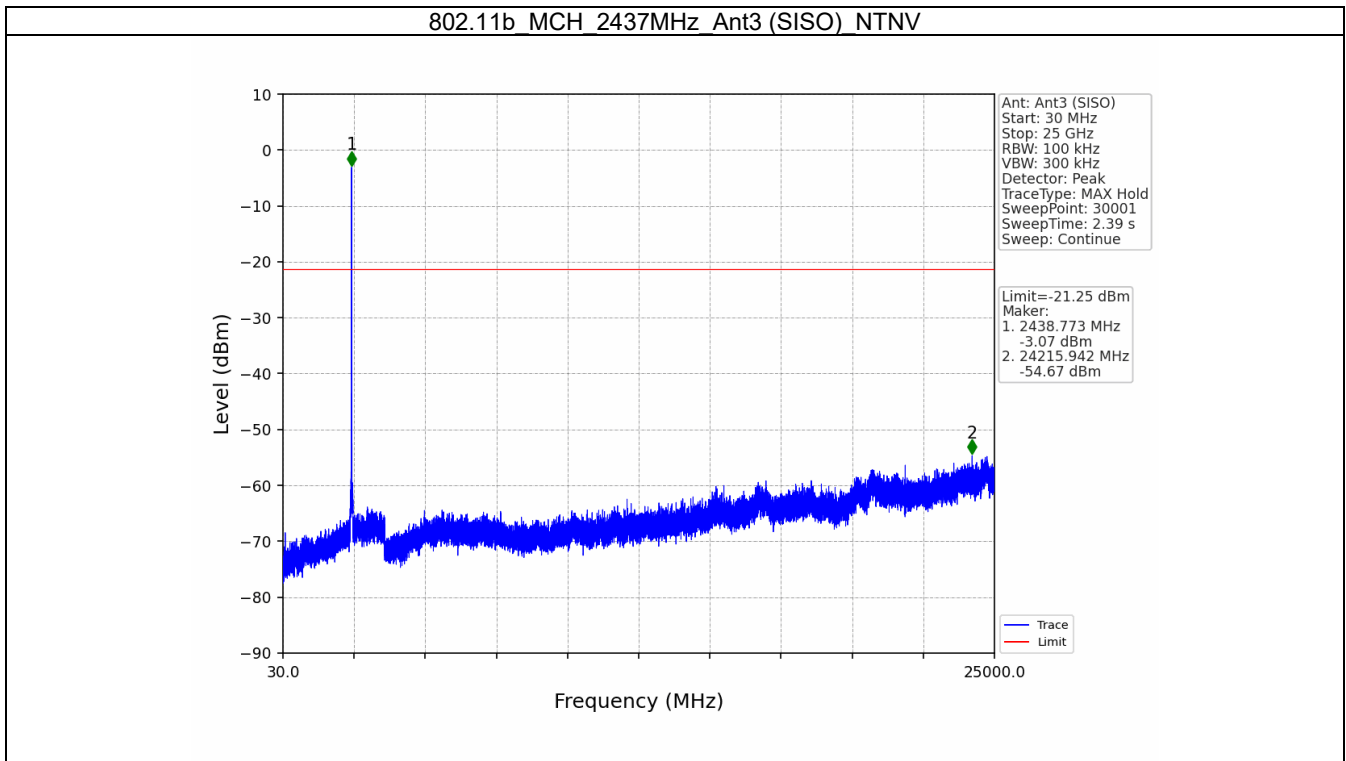
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	3	-1.25	-21.25	Pass
			4	0.50	-19.50	Pass
		2437	3	-1.25	-21.25	Pass
			4	0.50	-19.50	Pass
		2462	3	-1.25	-21.25	Pass
			4	0.50	-19.50	Pass
802.11g	SISO	2412	3	-6.47	-26.47	Pass
			4	-5.48	-25.48	Pass
		2437	3	-6.47	-26.47	Pass
			4	-5.48	-25.48	Pass
		2462	3	-6.47	-26.47	Pass
			4	-5.48	-25.48	Pass
802.11n (HT20)	SISO	2412	3	-7.84	-27.84	Pass
			4	-7.08	-27.08	Pass
		2437	3	-7.84	-27.84	Pass
			4	-7.08	-27.08	Pass
		2462	3	-7.84	-27.84	Pass
			4	-7.08	-27.08	Pass
802.11n (HT40)	SISO	2422	3	-12.22	-32.22	Pass
			4	-12.19	-32.19	Pass
		2437	3	-12.22	-32.22	Pass
			4	-12.19	-32.19	Pass
		2452	3	-12.22	-32.22	Pass
			4	-12.19	-32.19	Pass

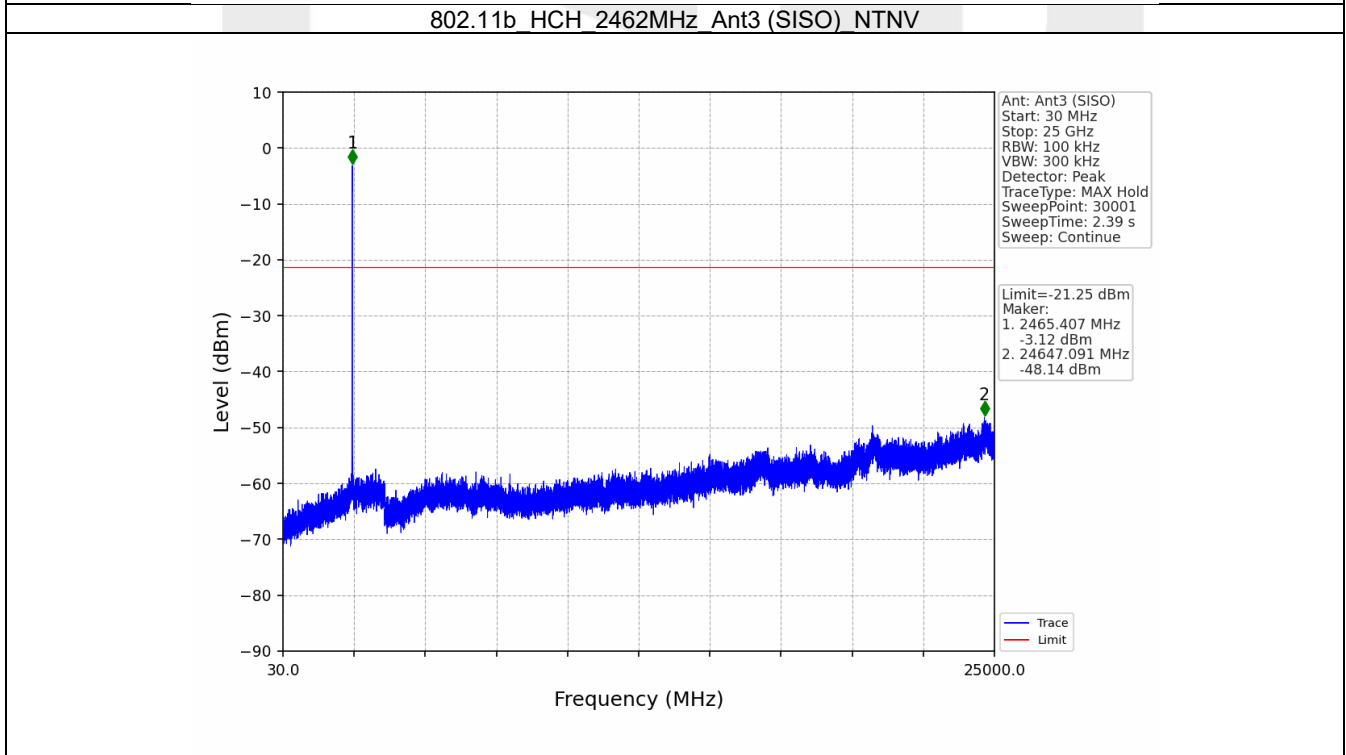
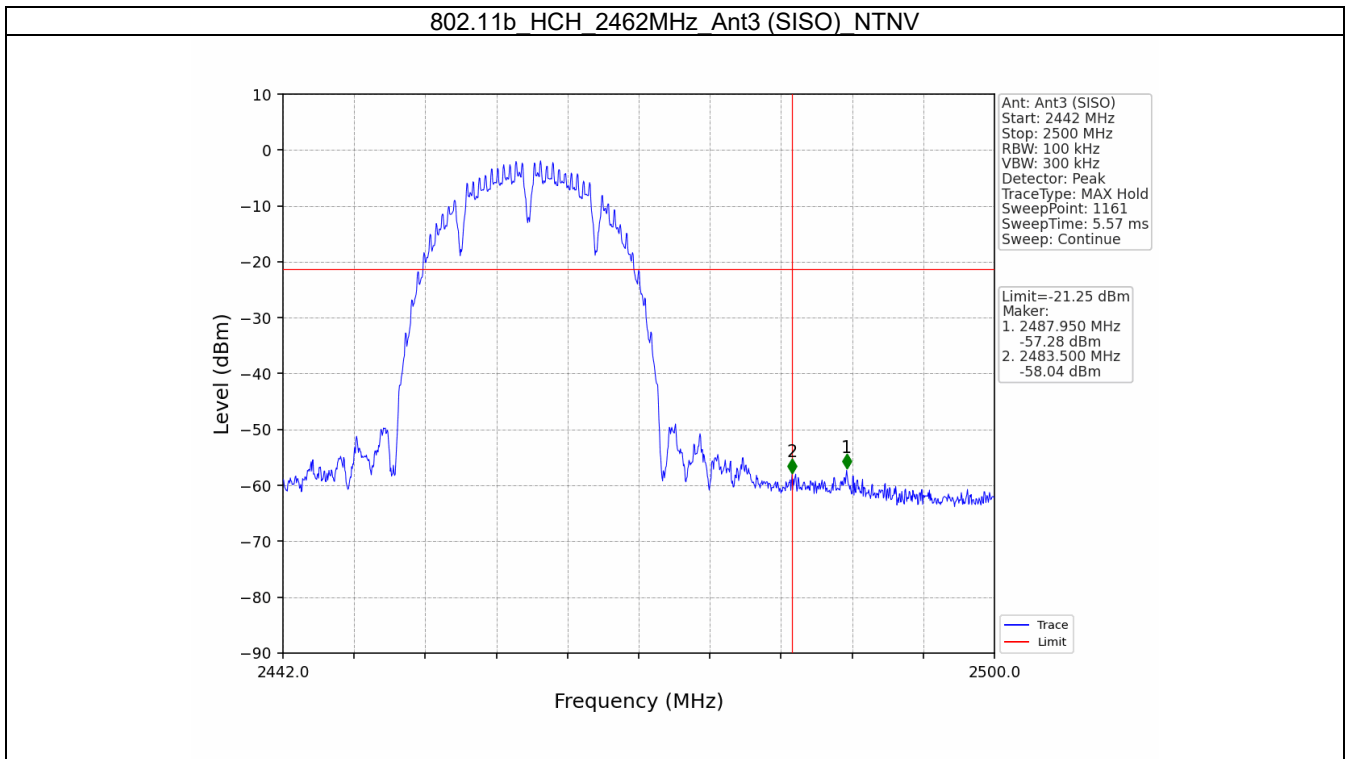
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

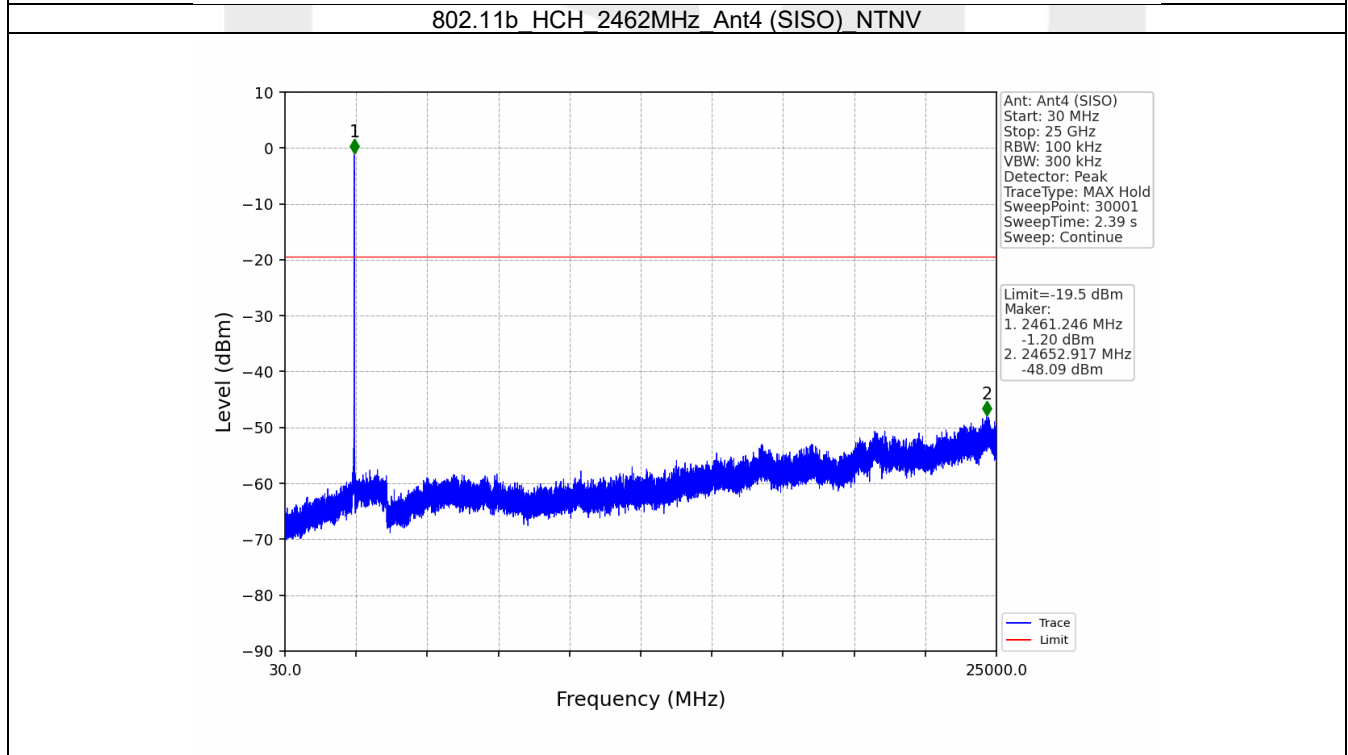
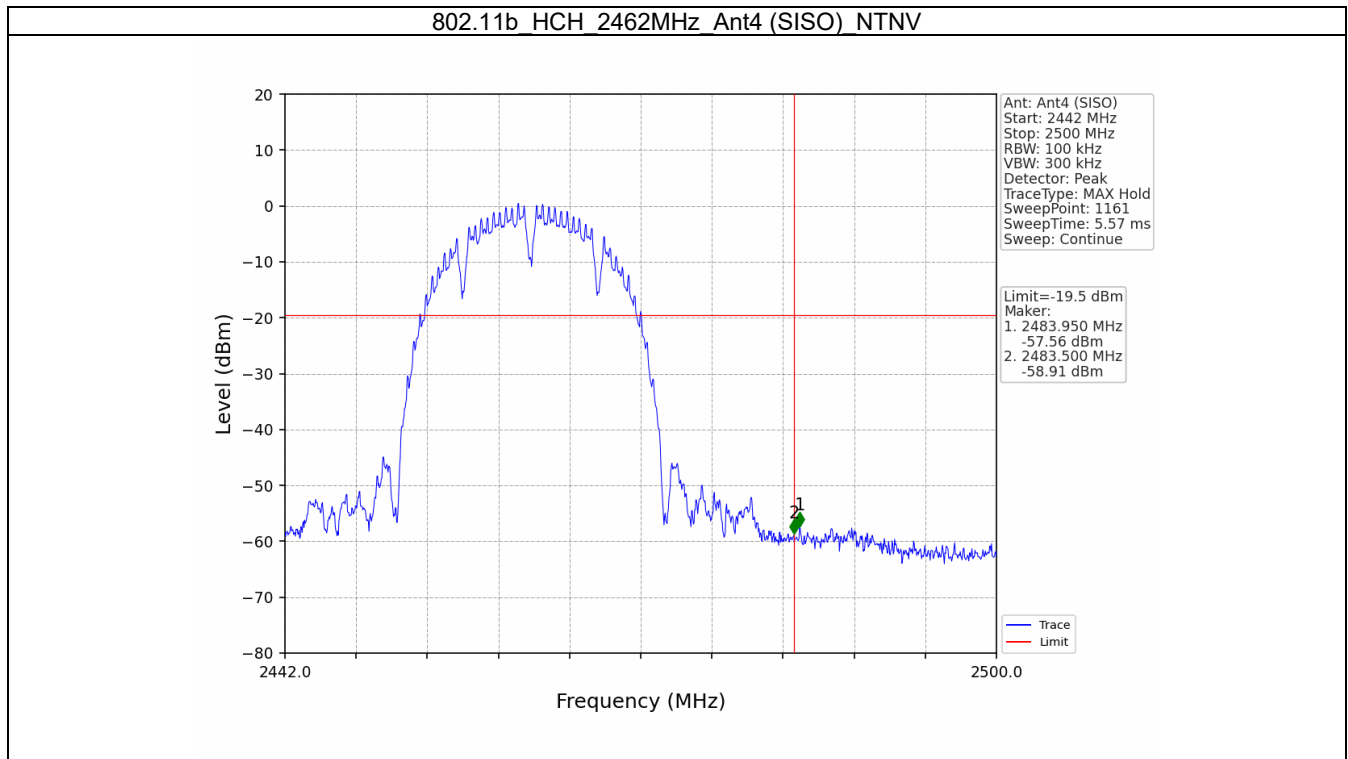
5.2.2.2 Test Graph

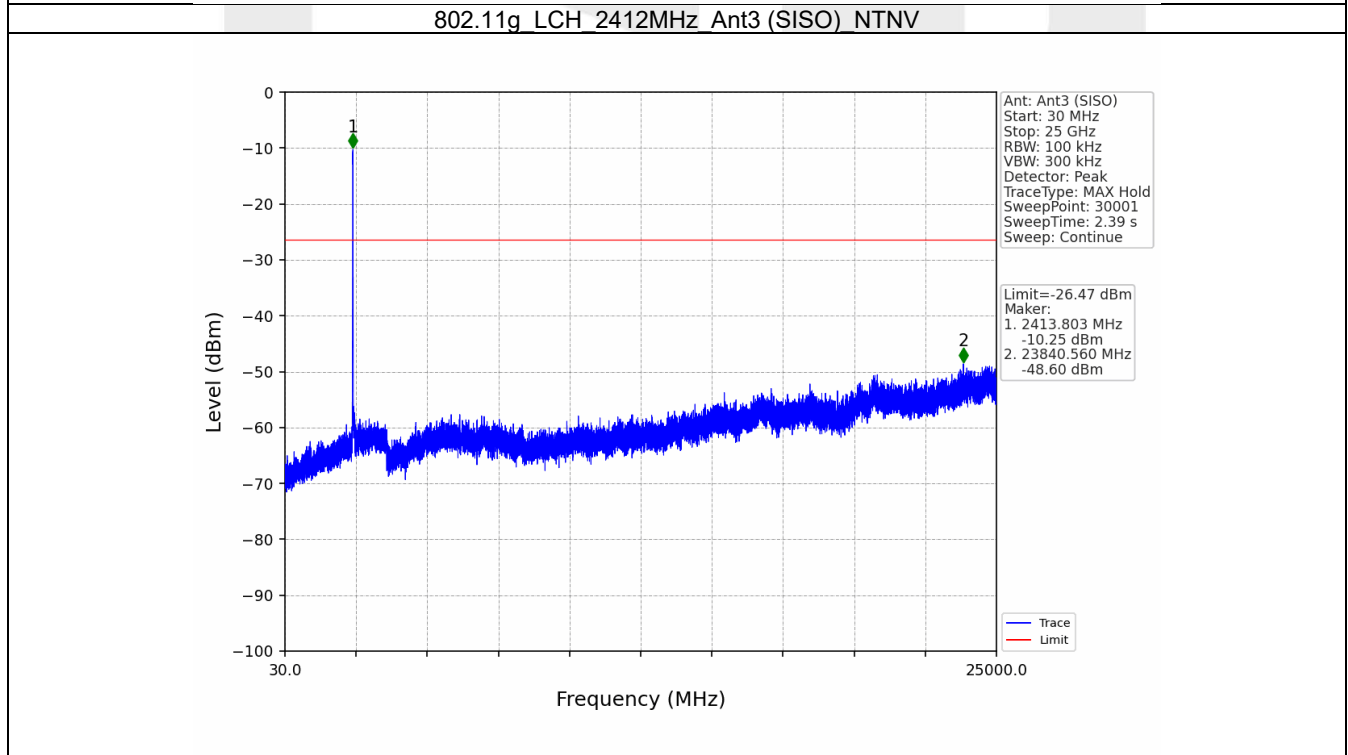
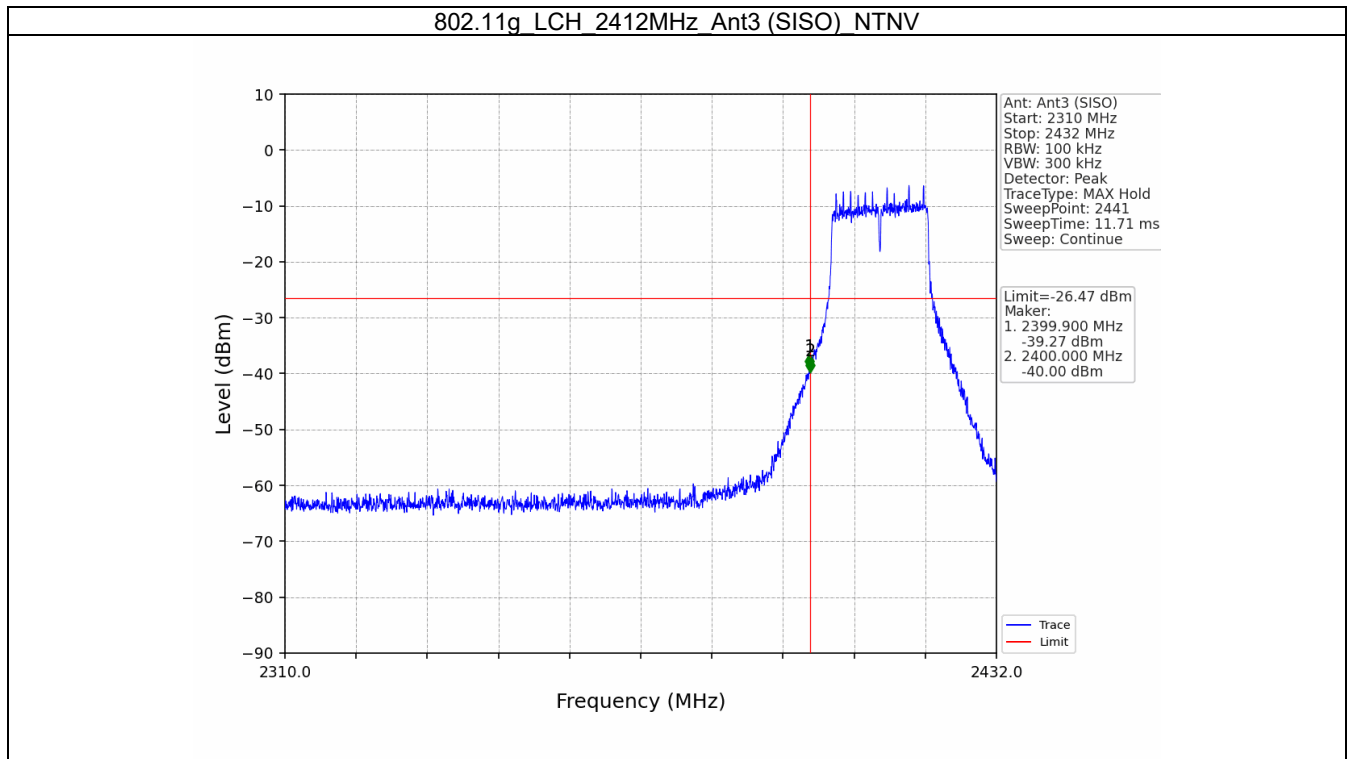


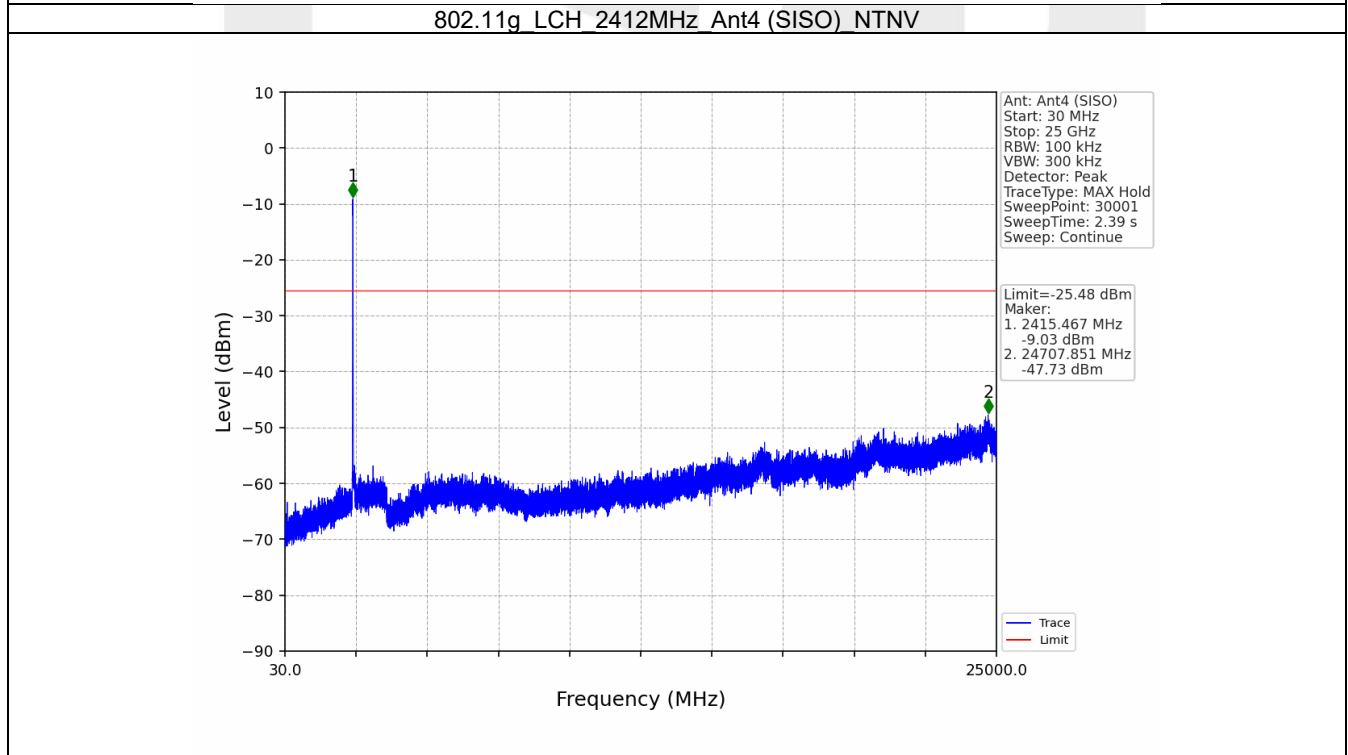
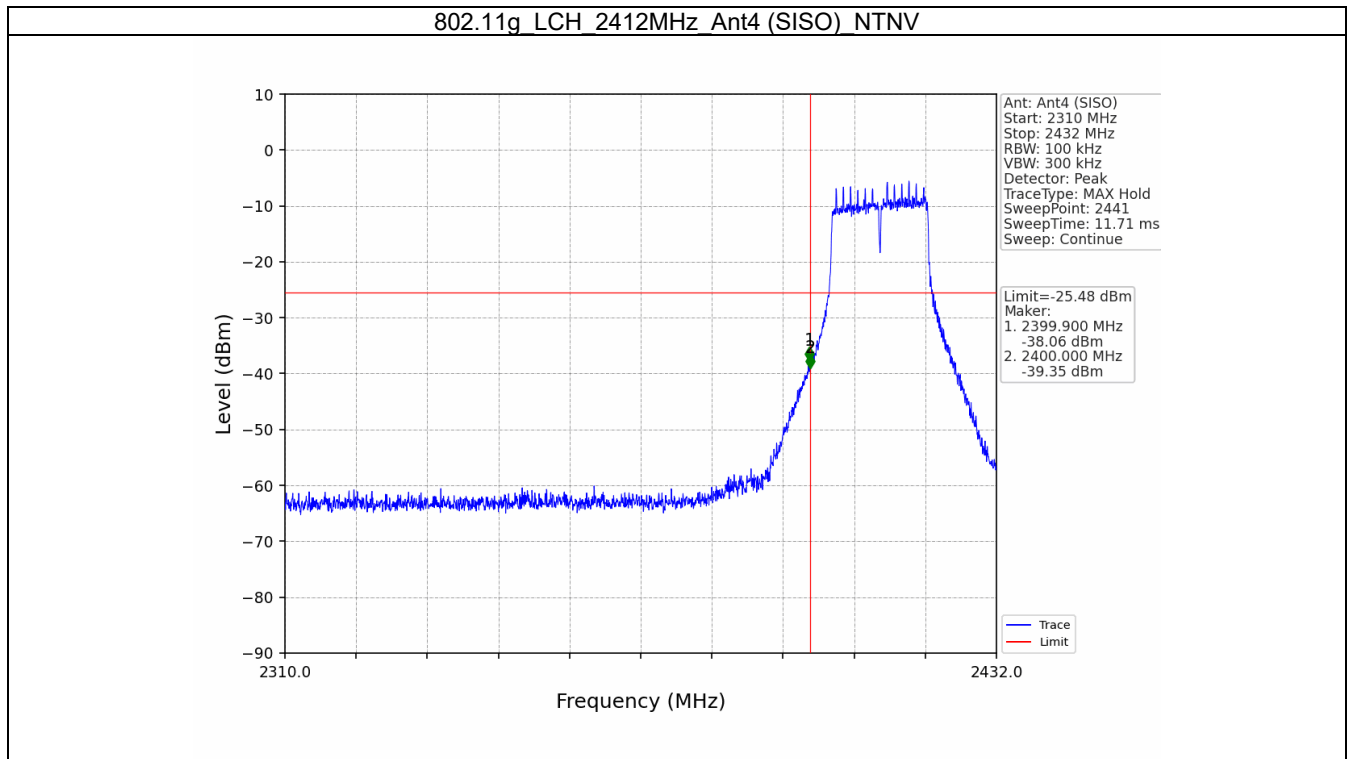


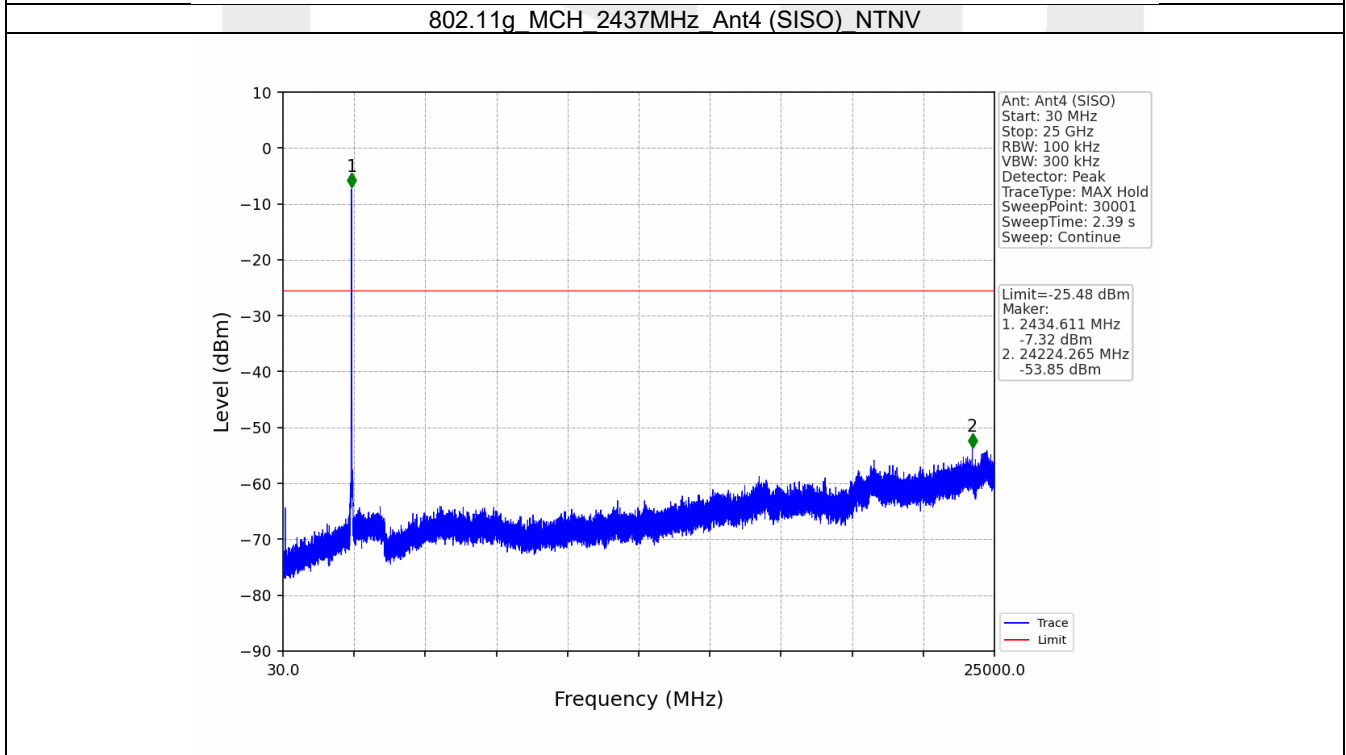
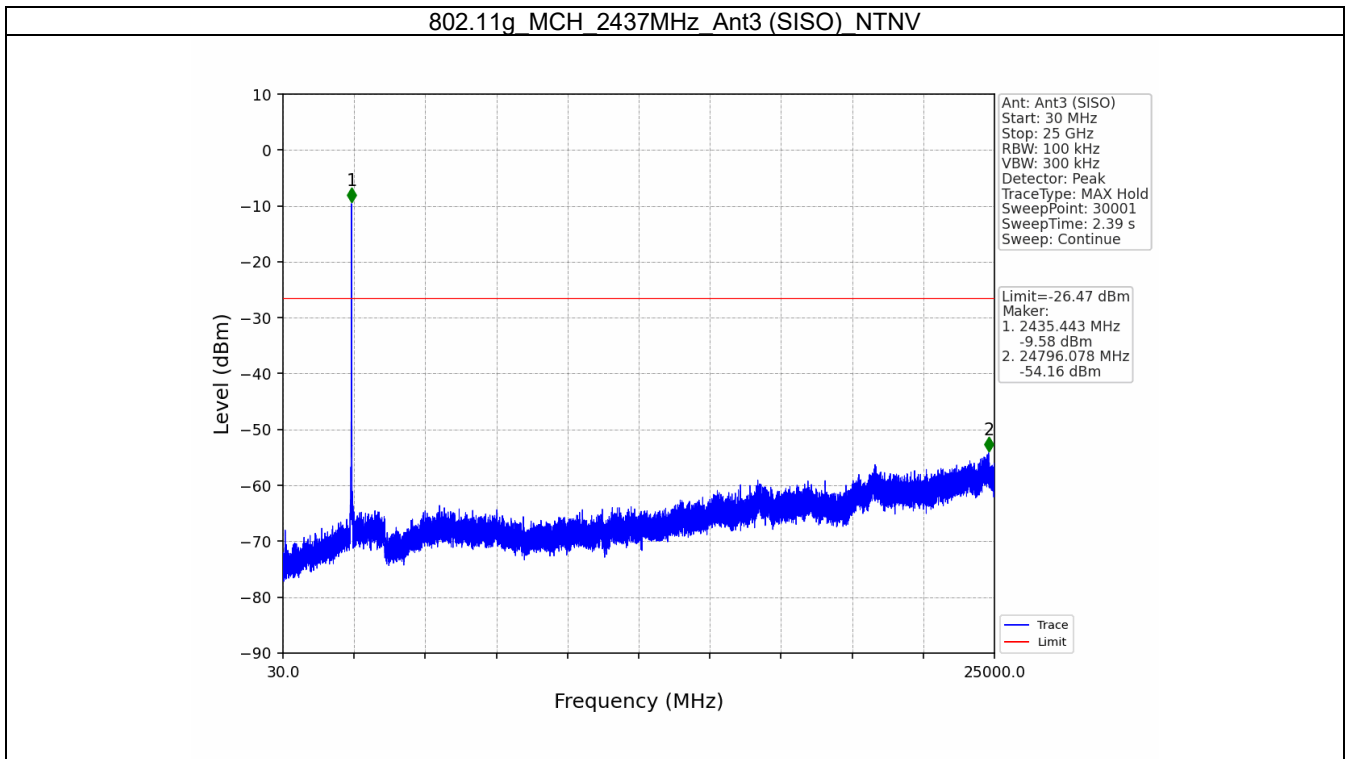


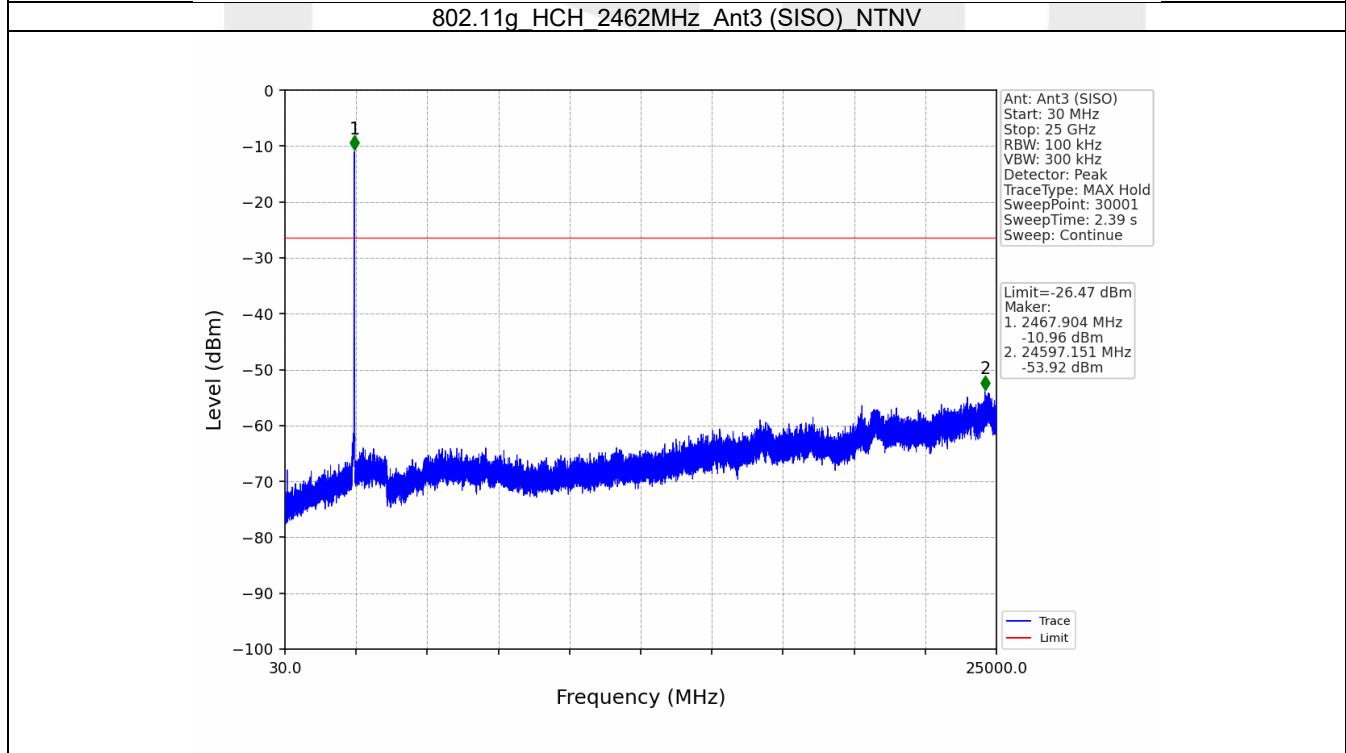
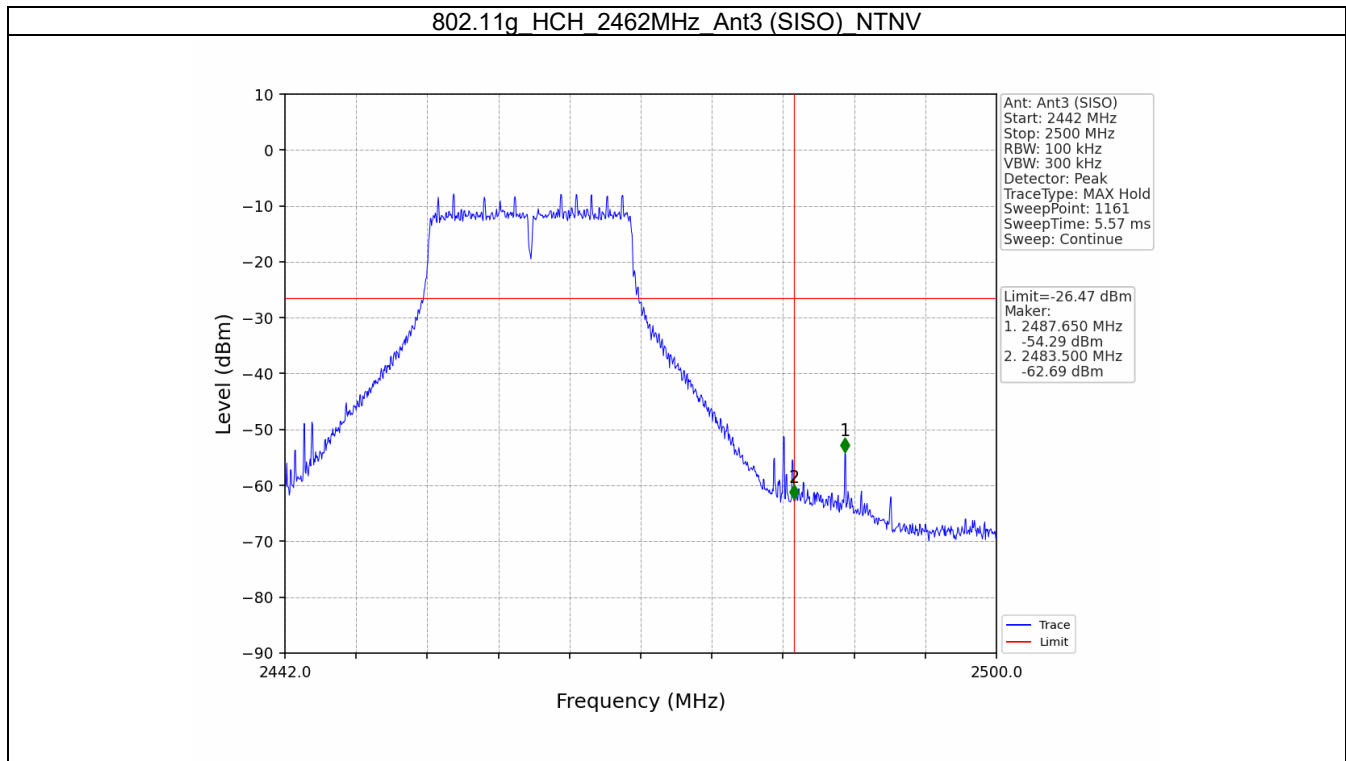


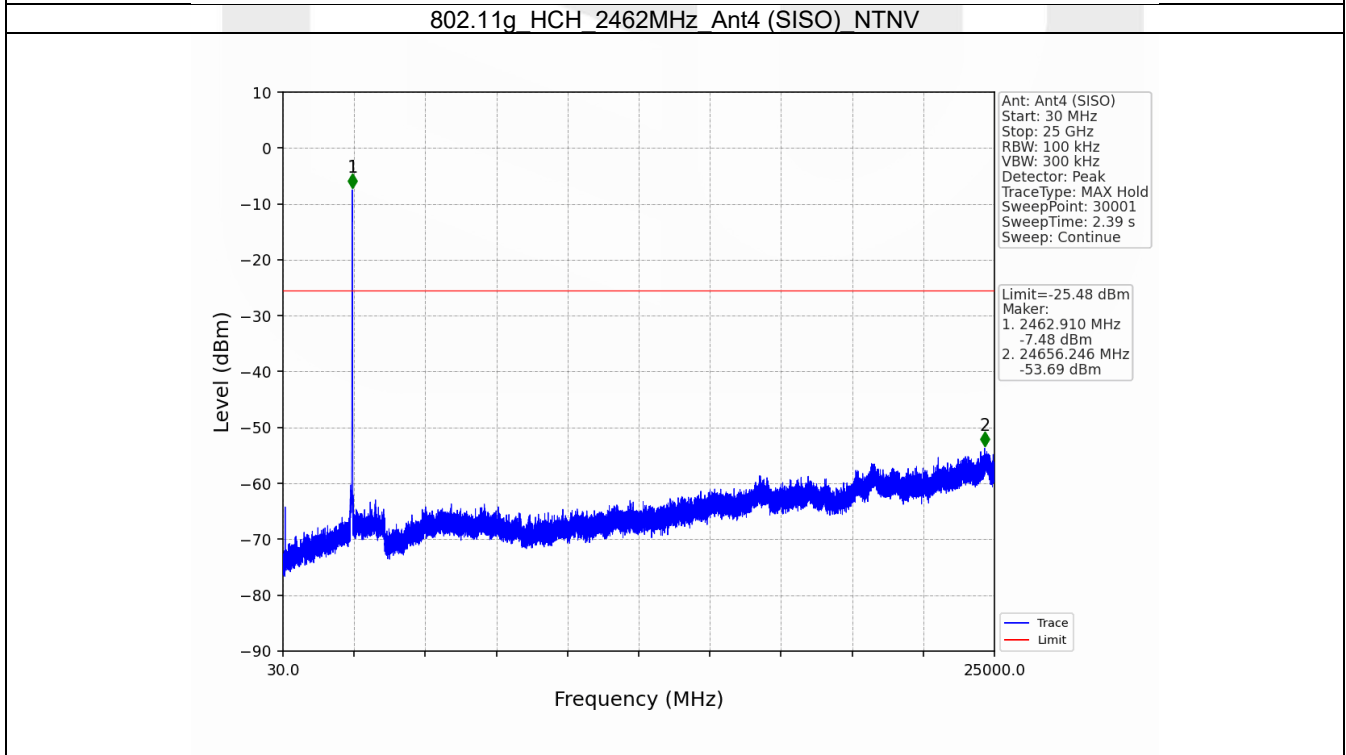
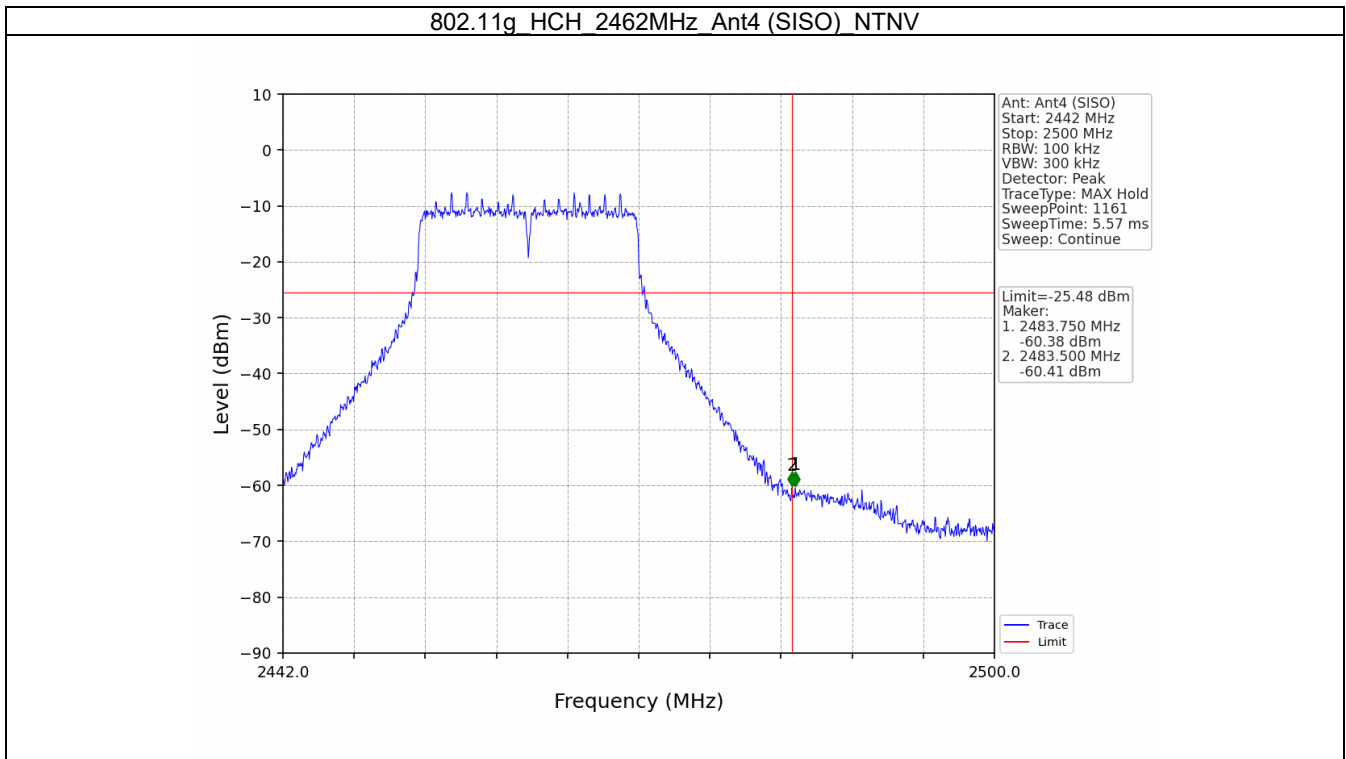


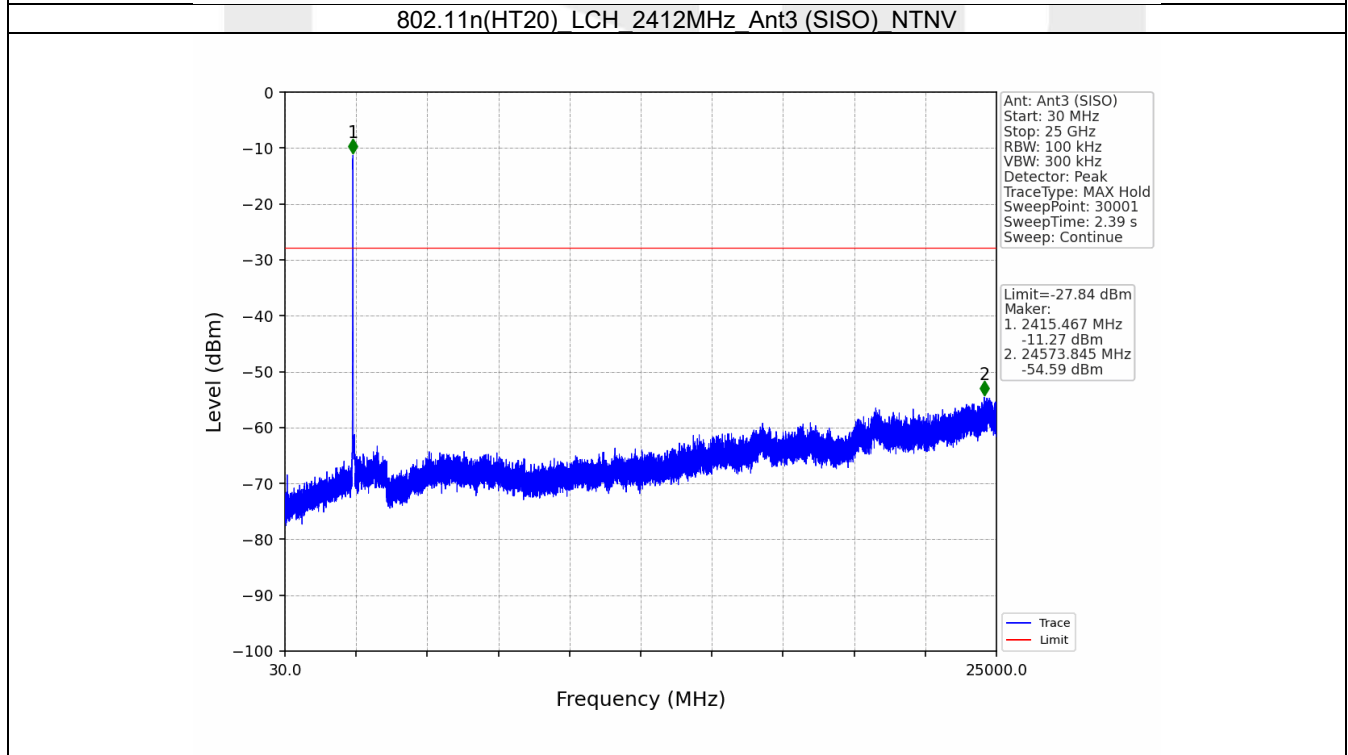
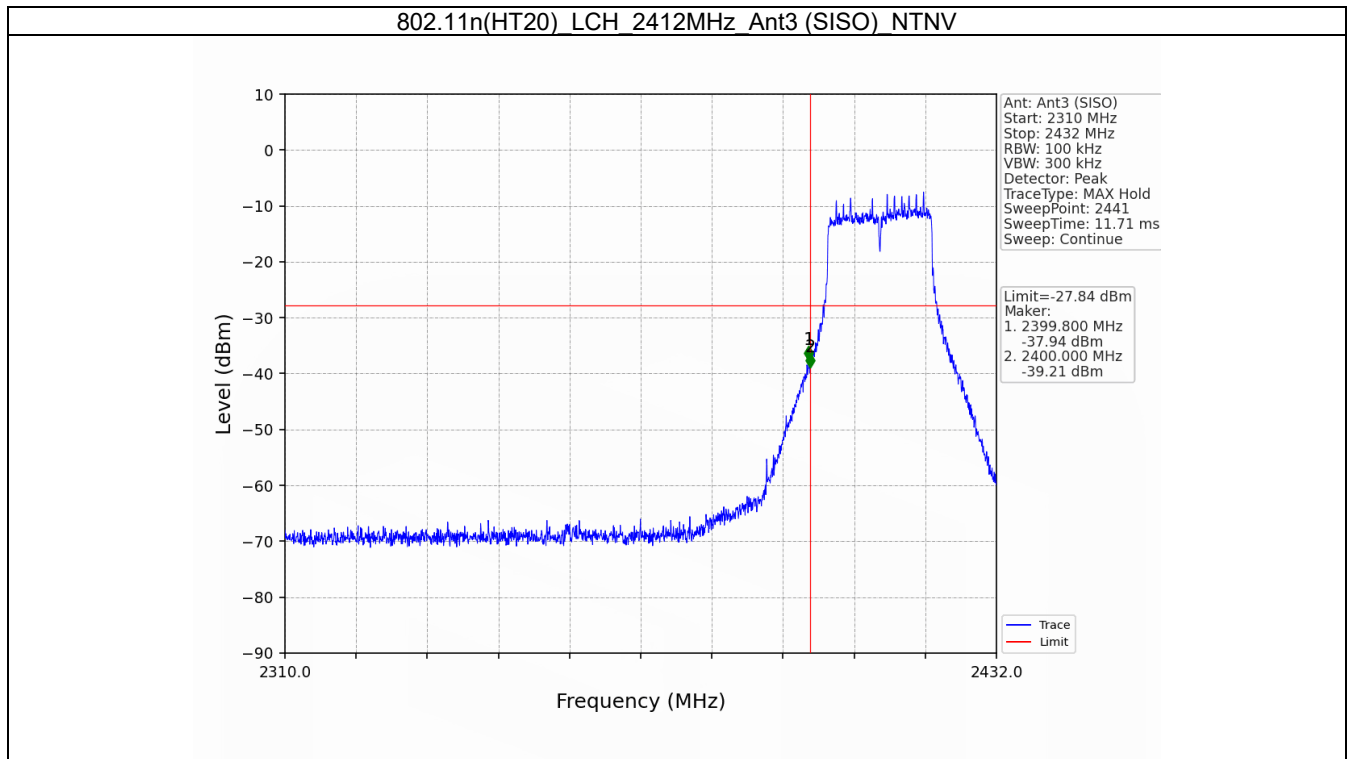


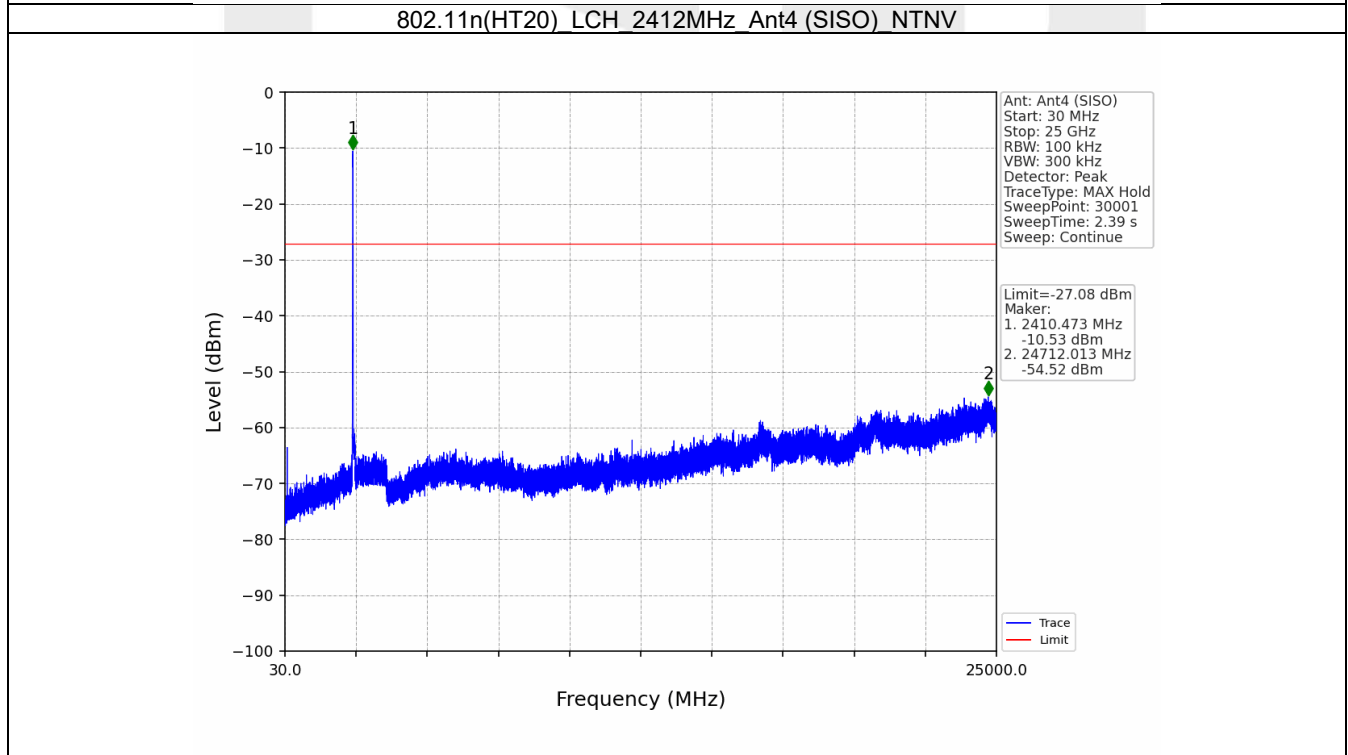
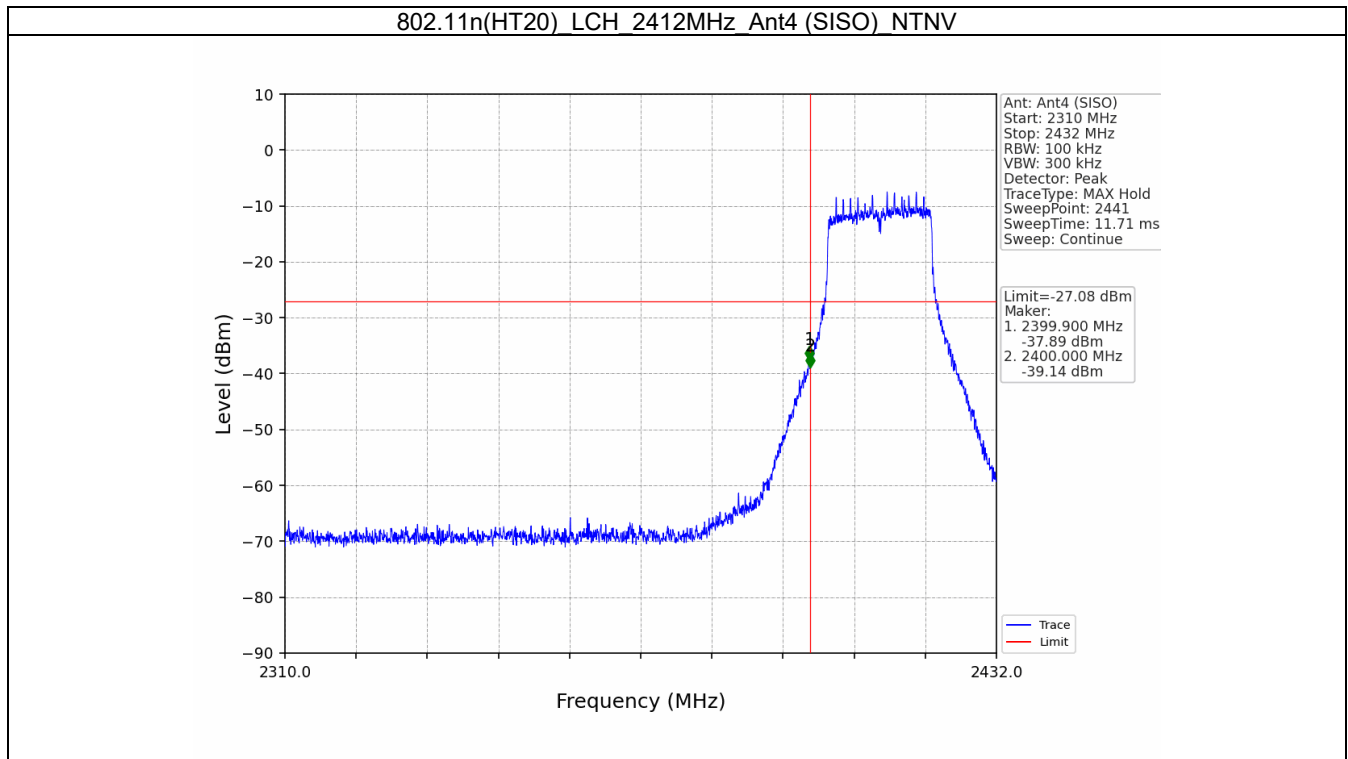


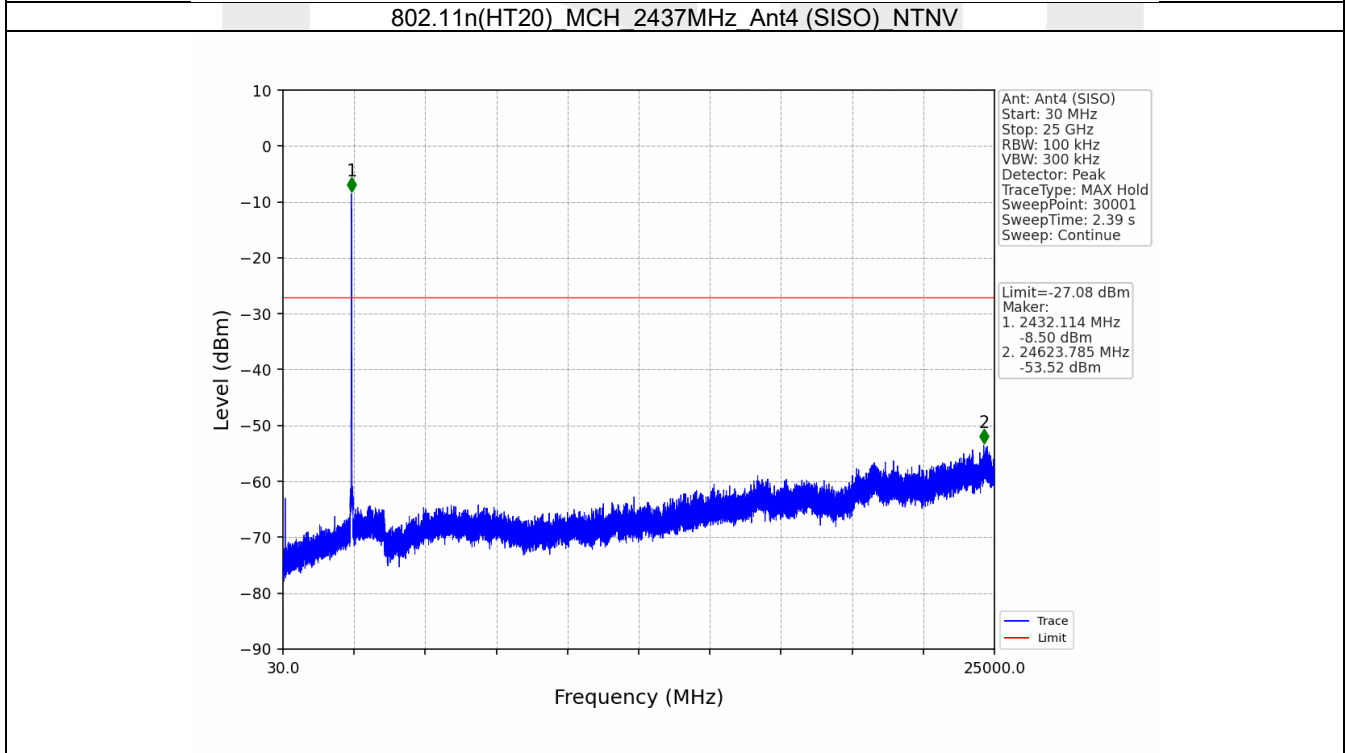
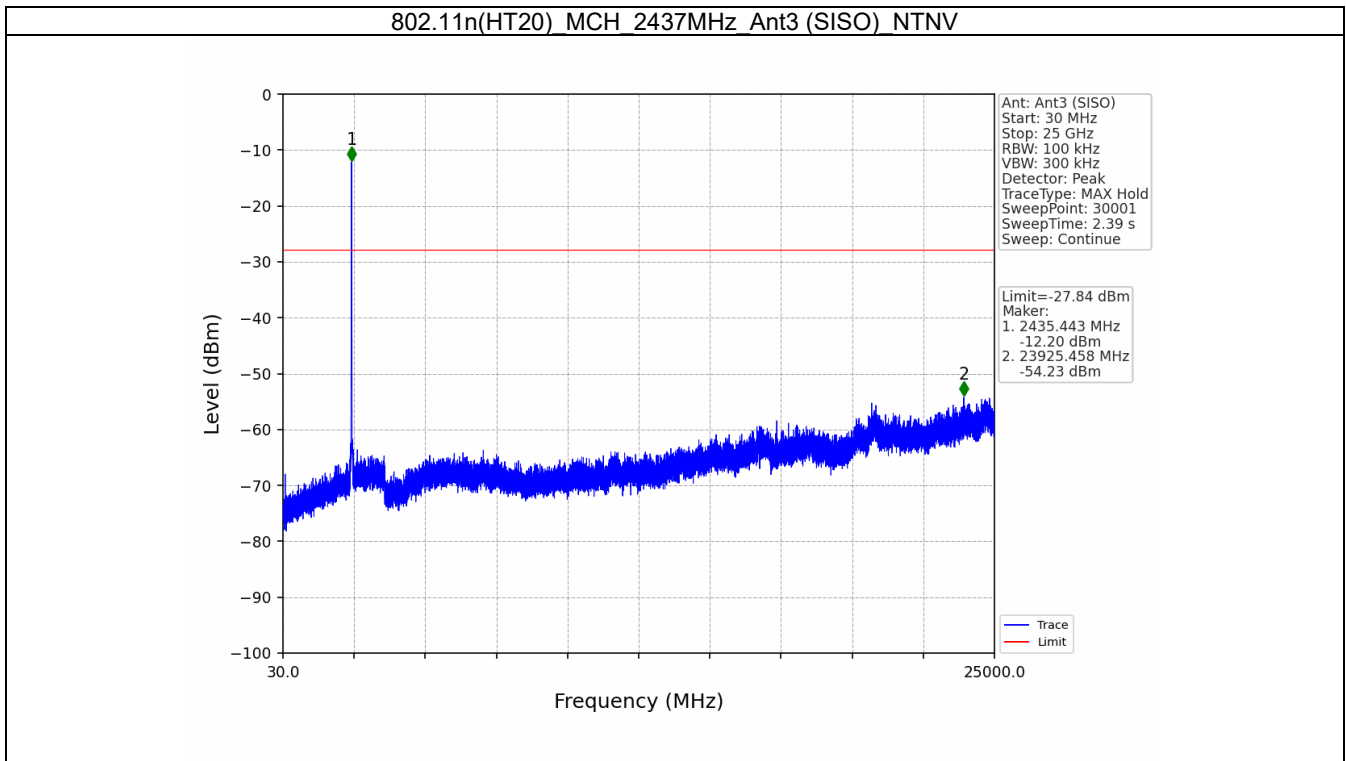


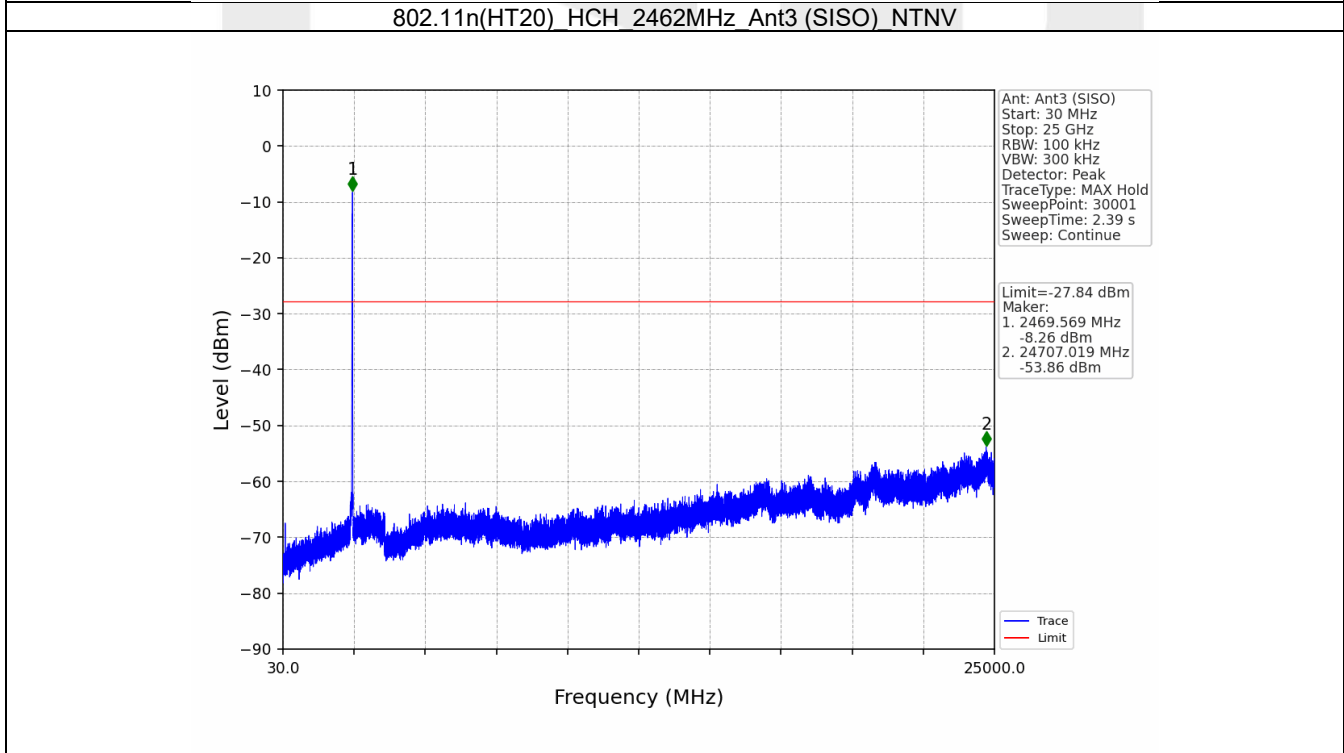
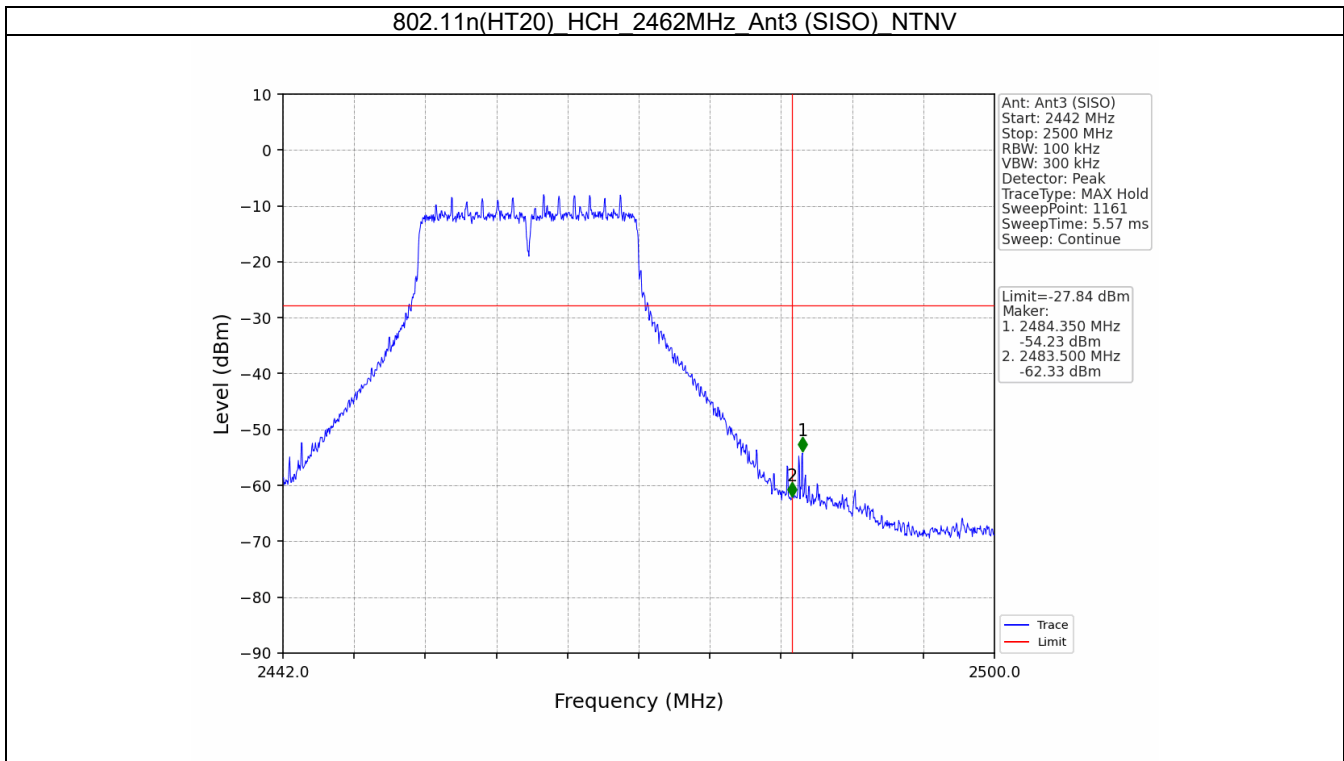


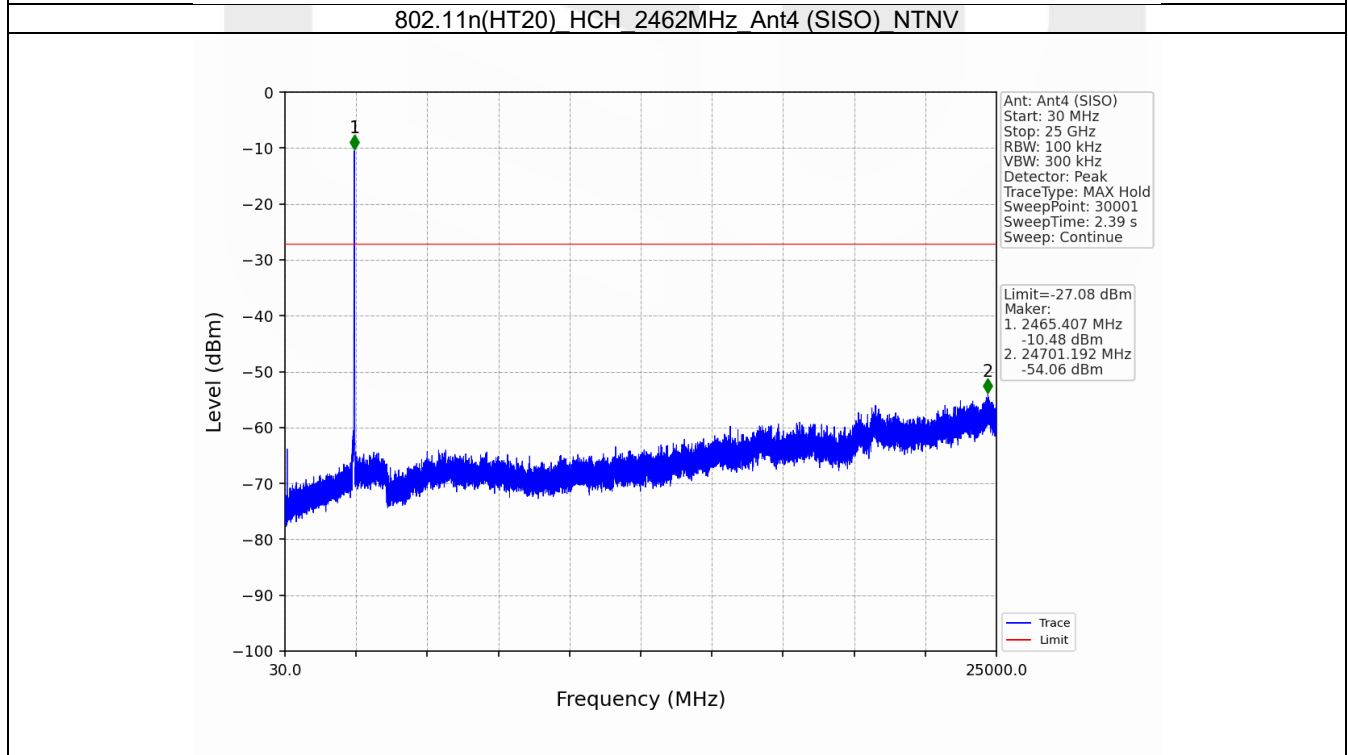
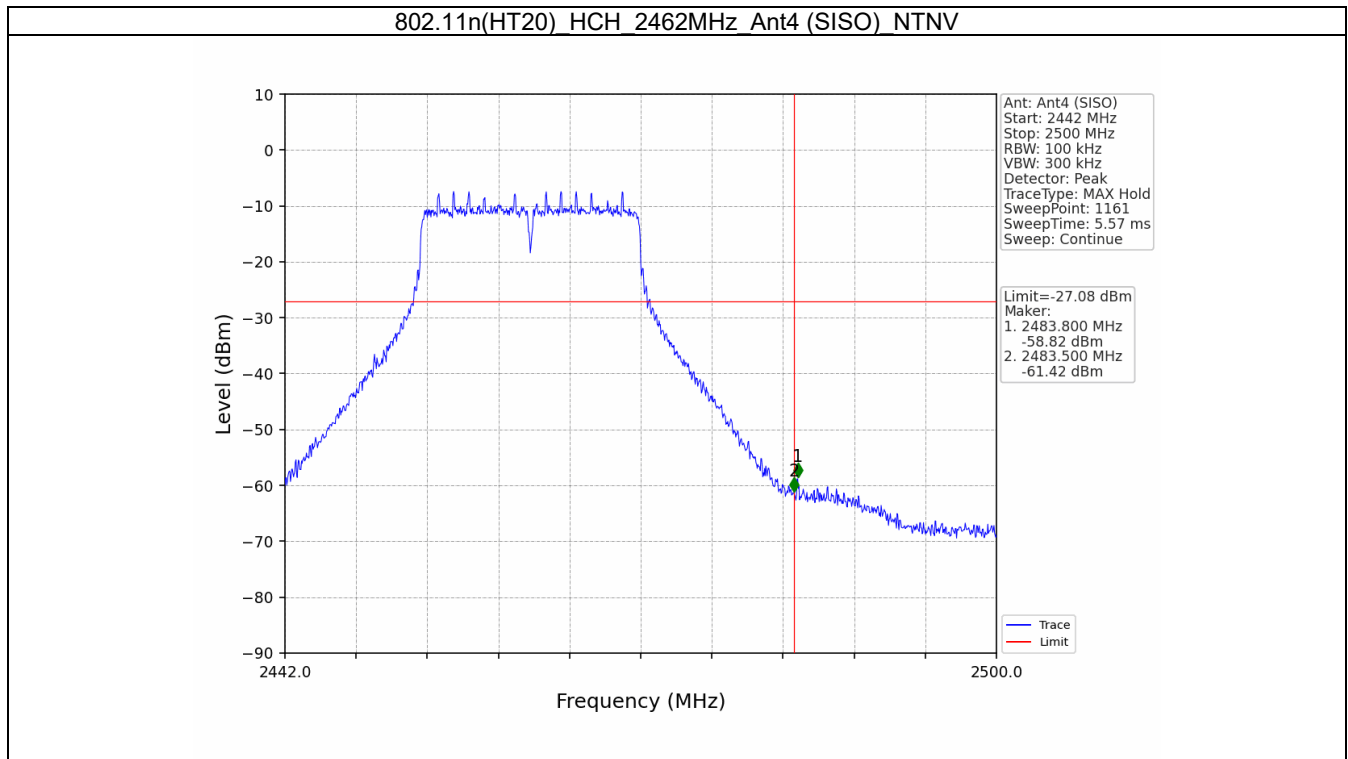


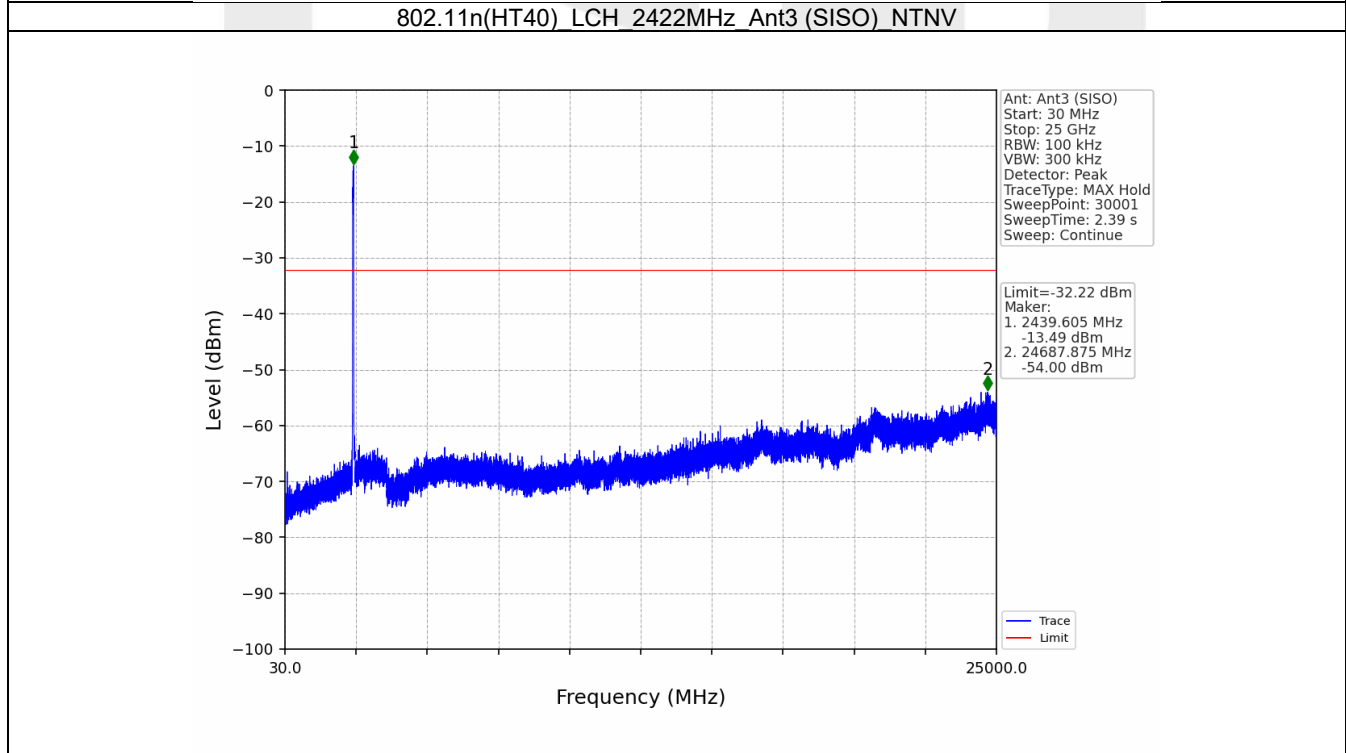
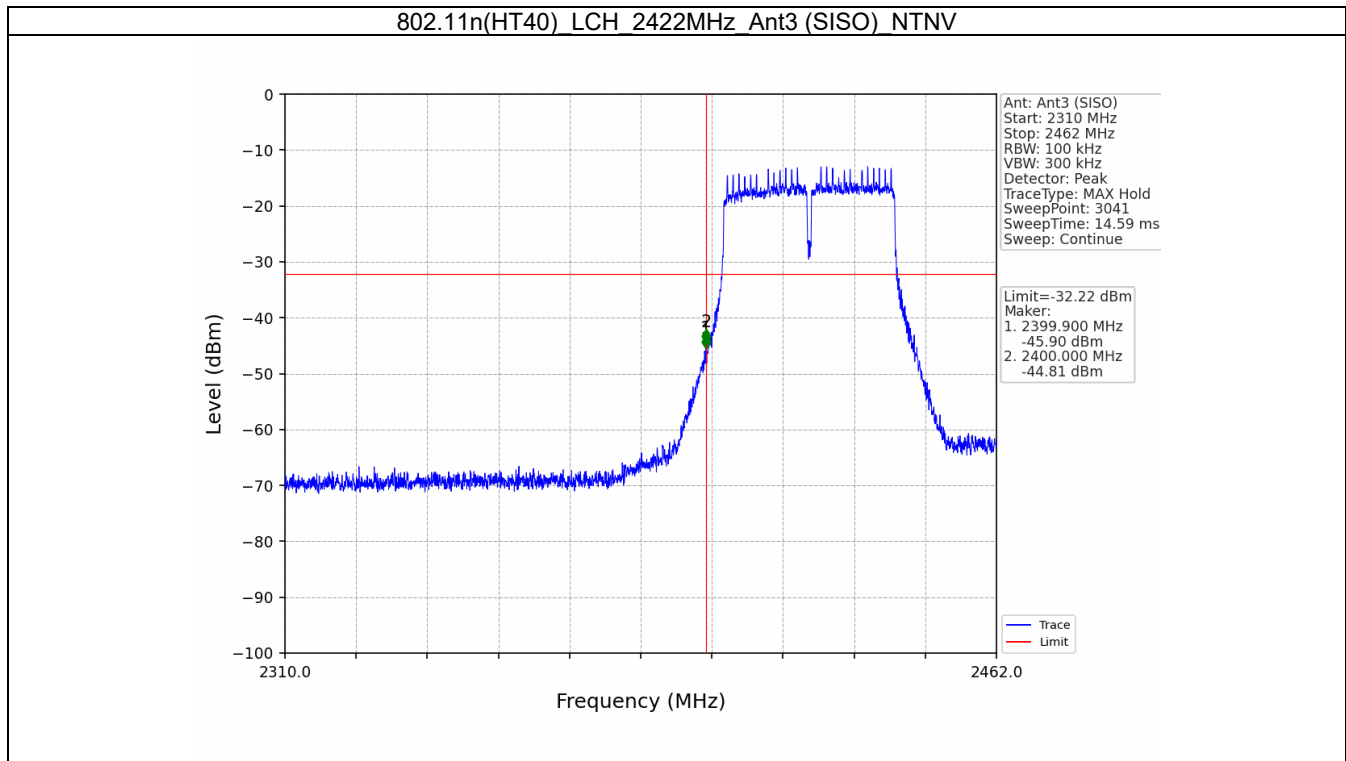


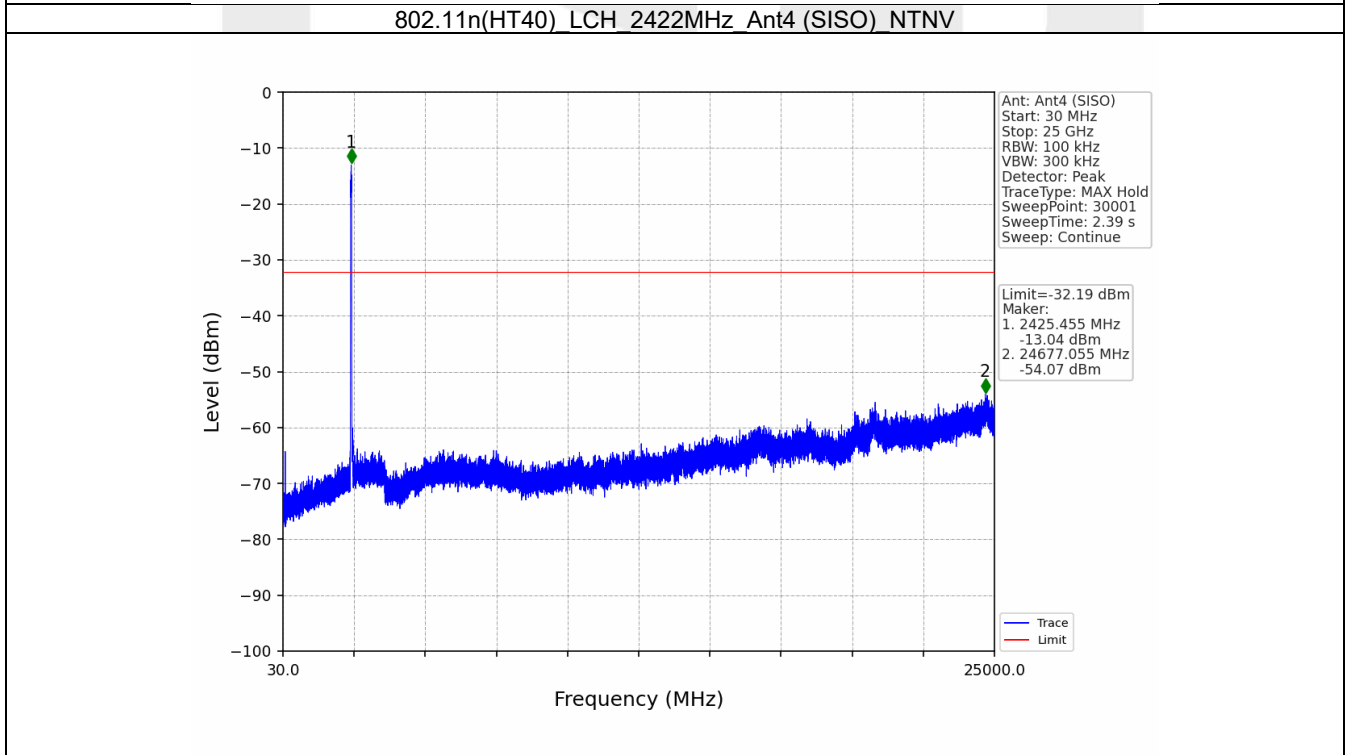
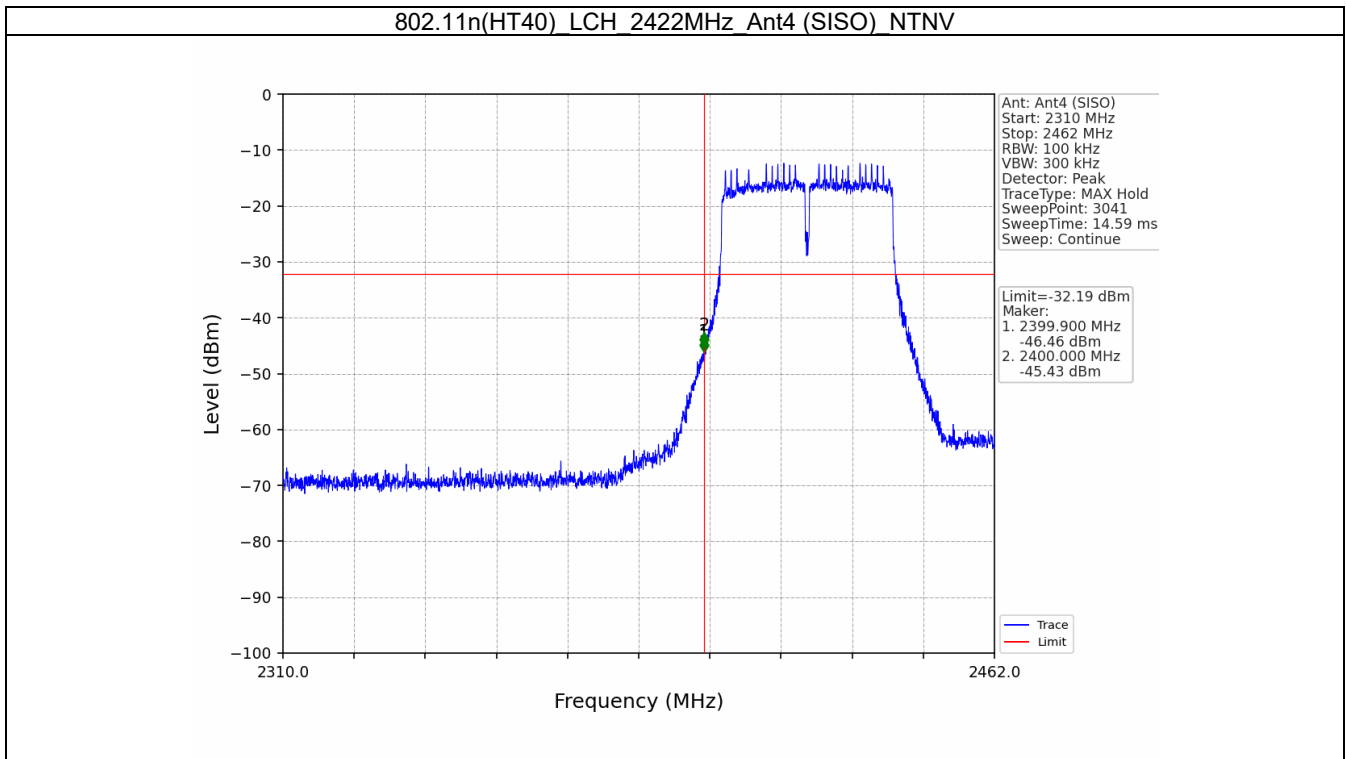


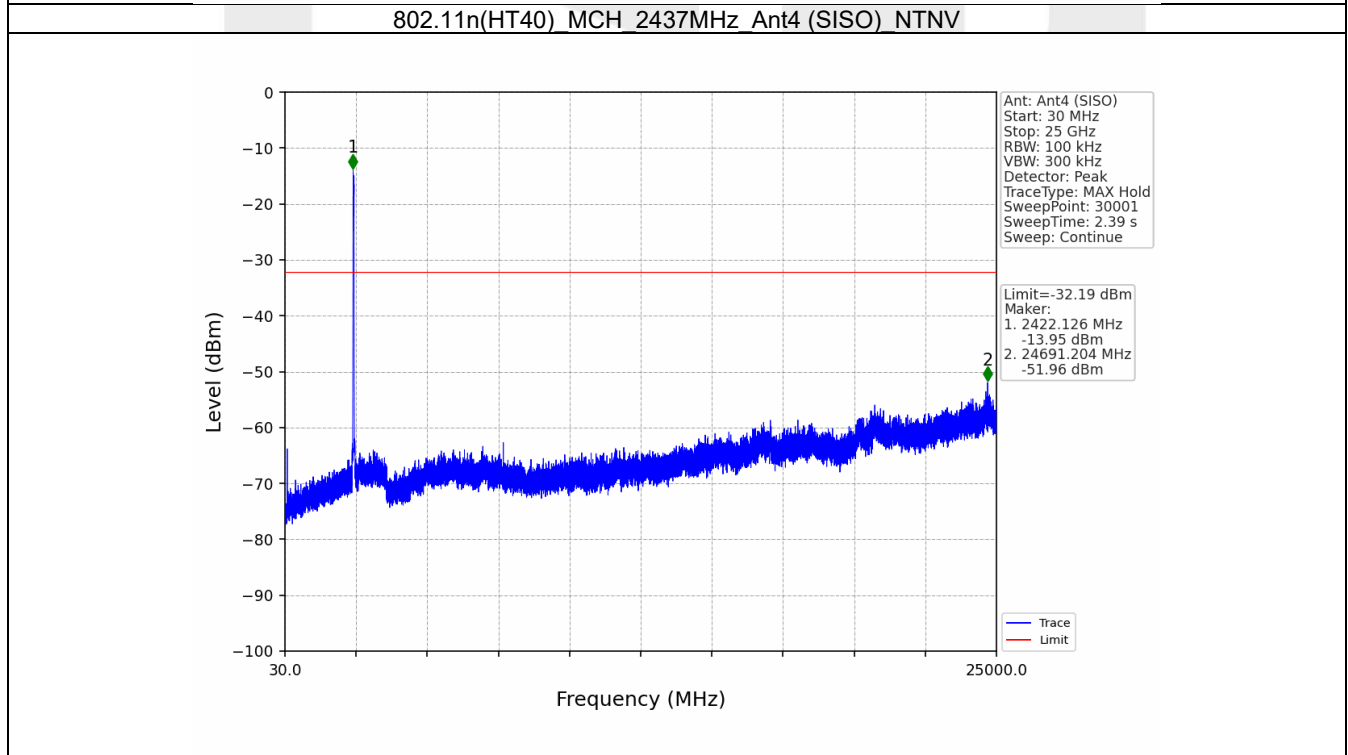
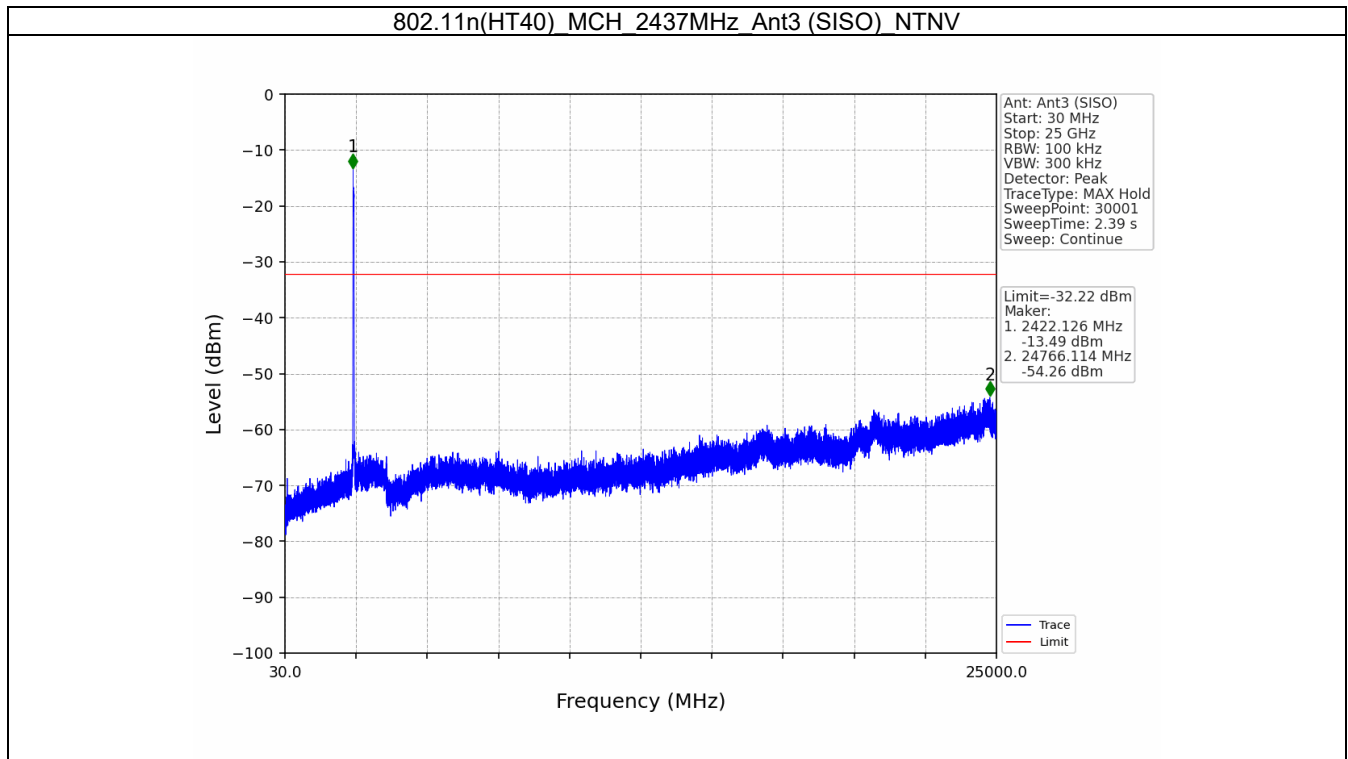


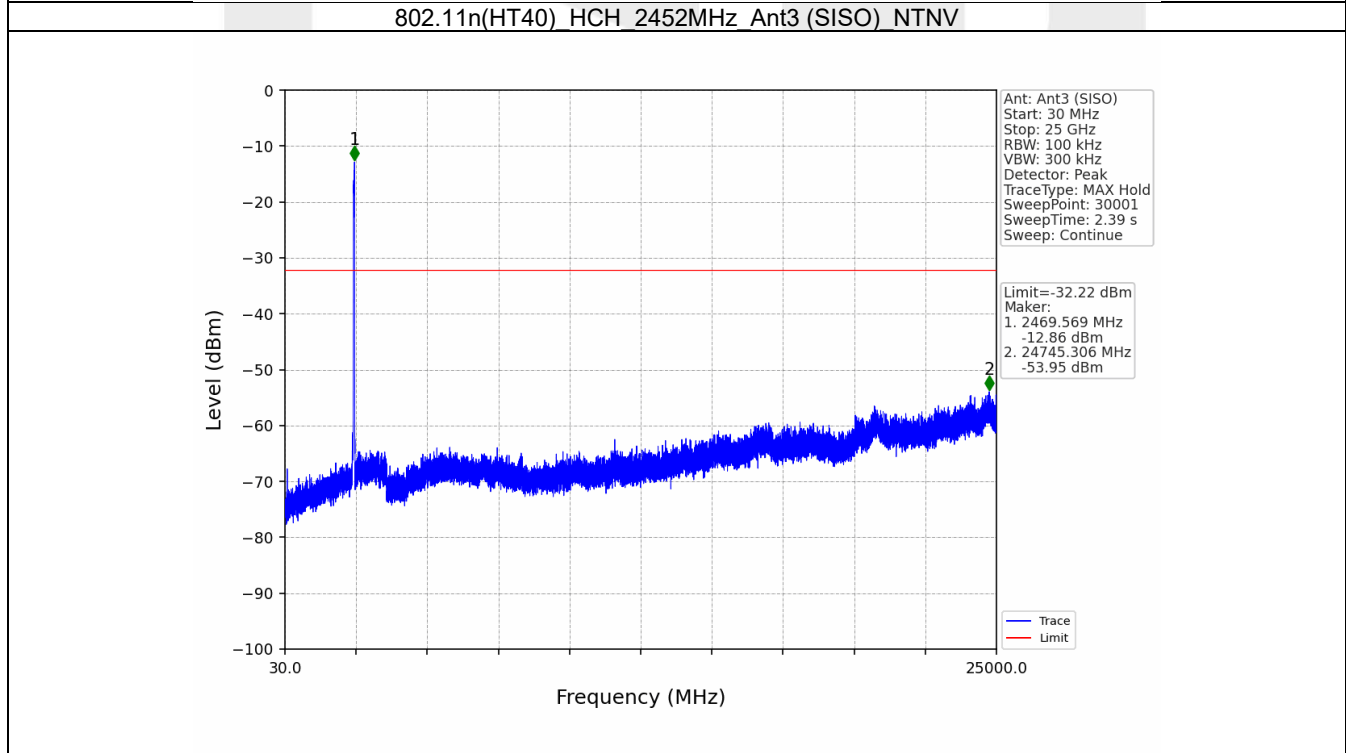
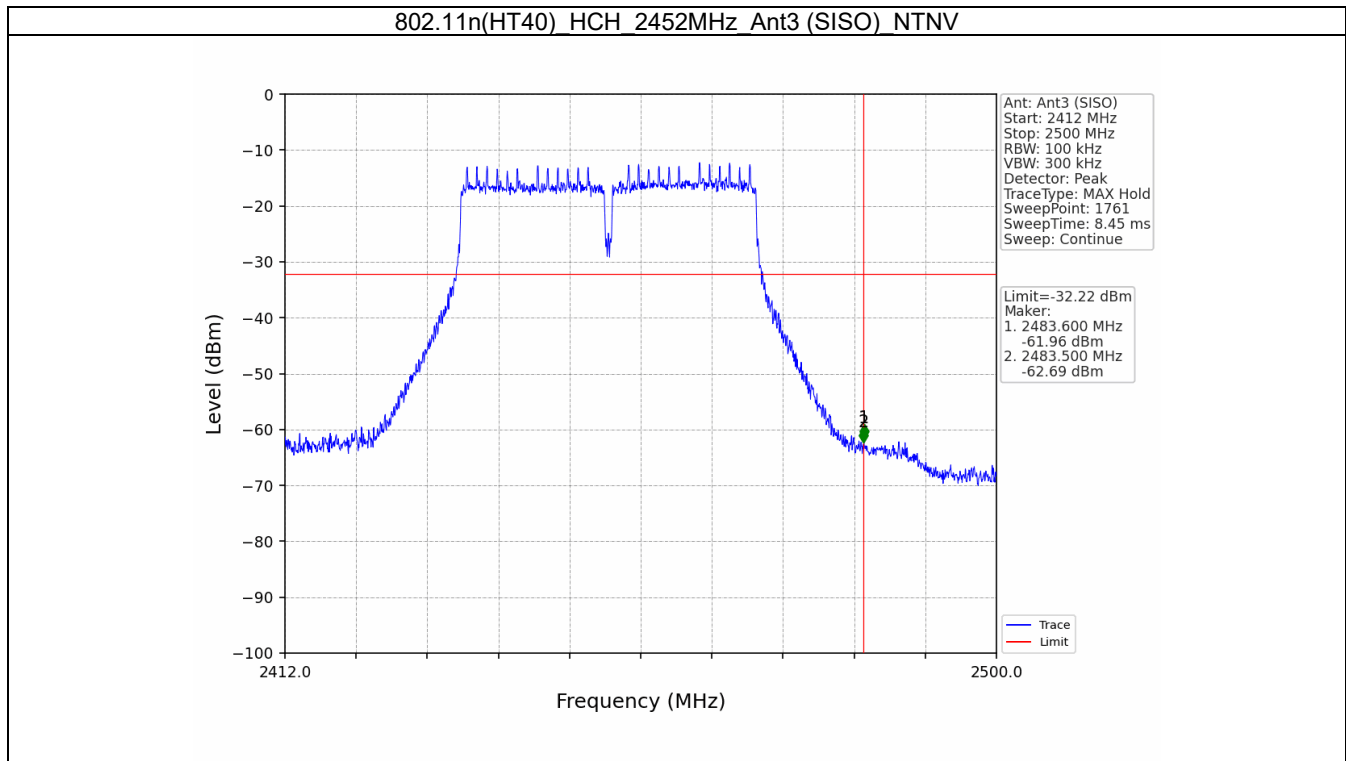


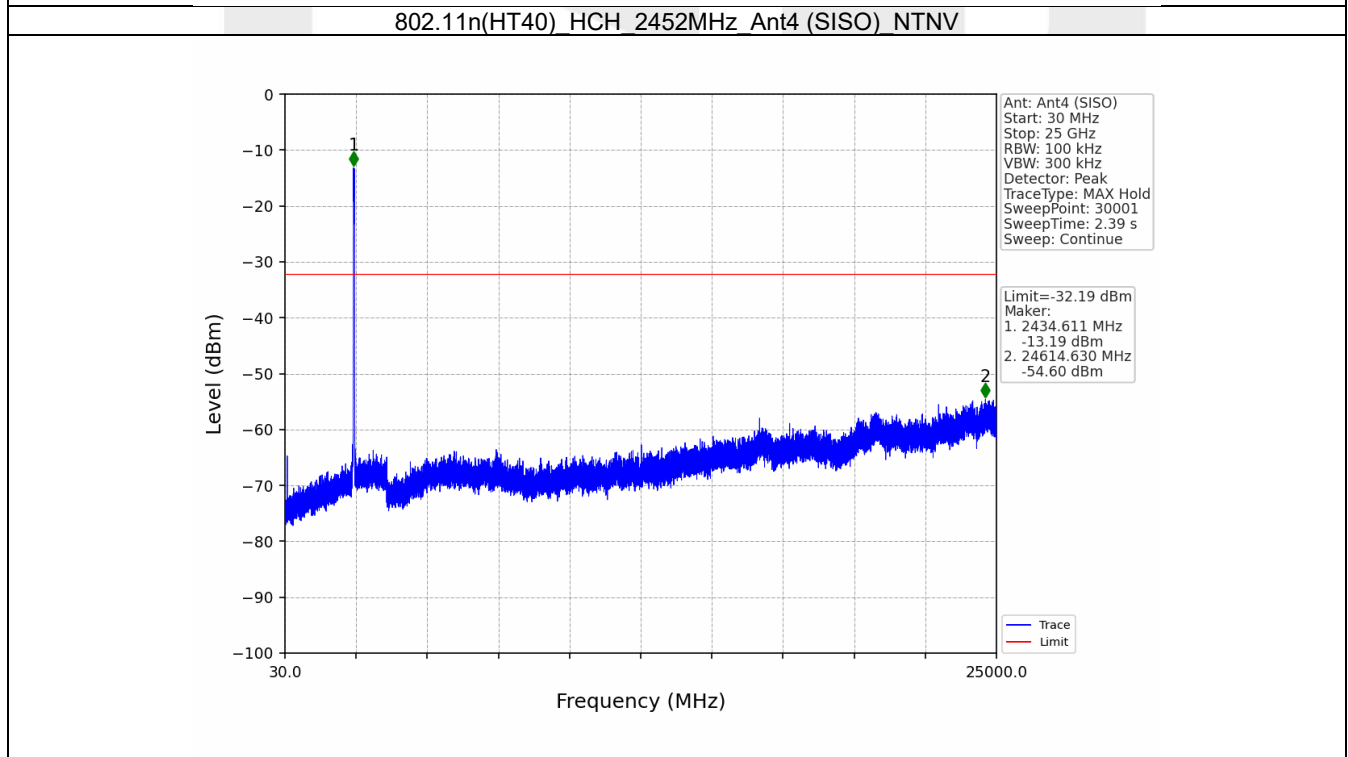
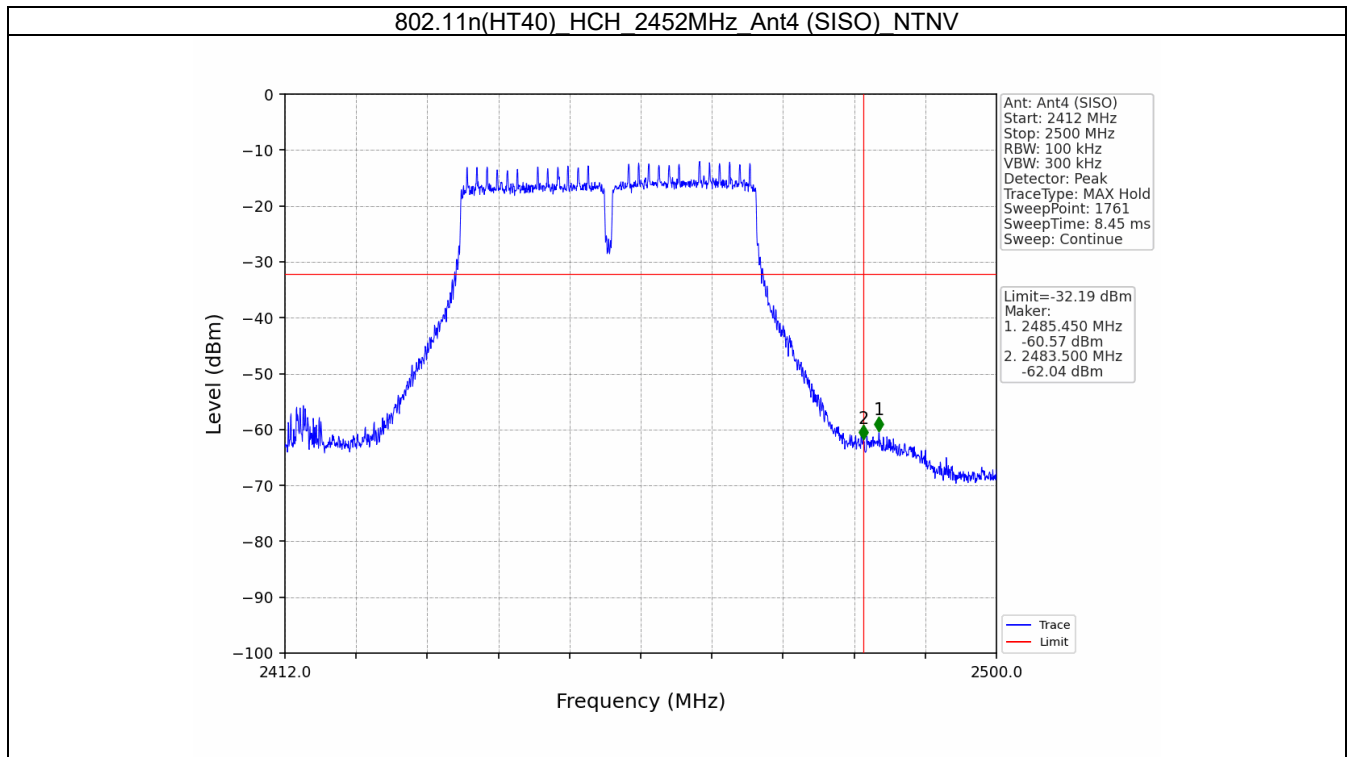












----- End of Report -----