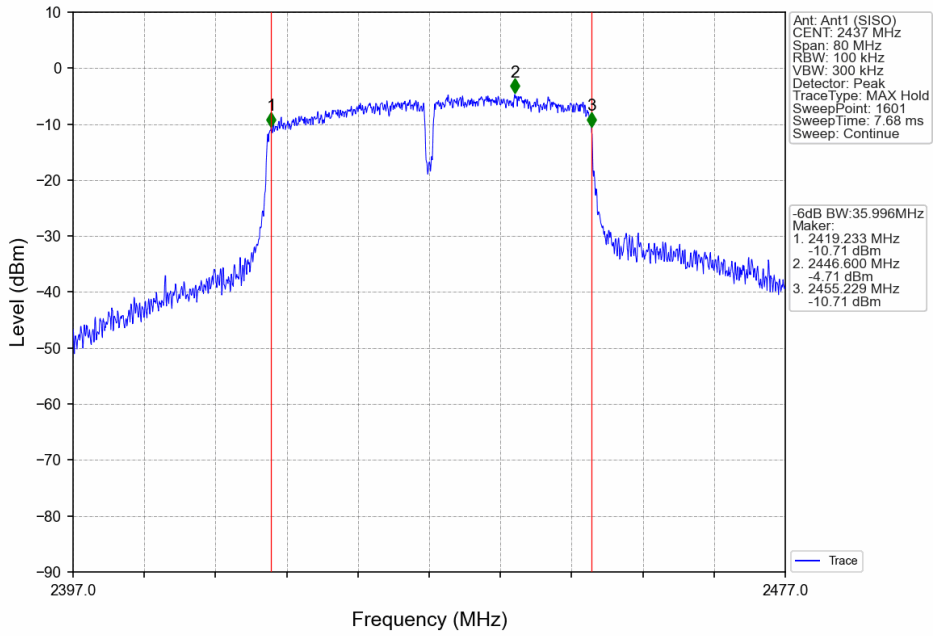
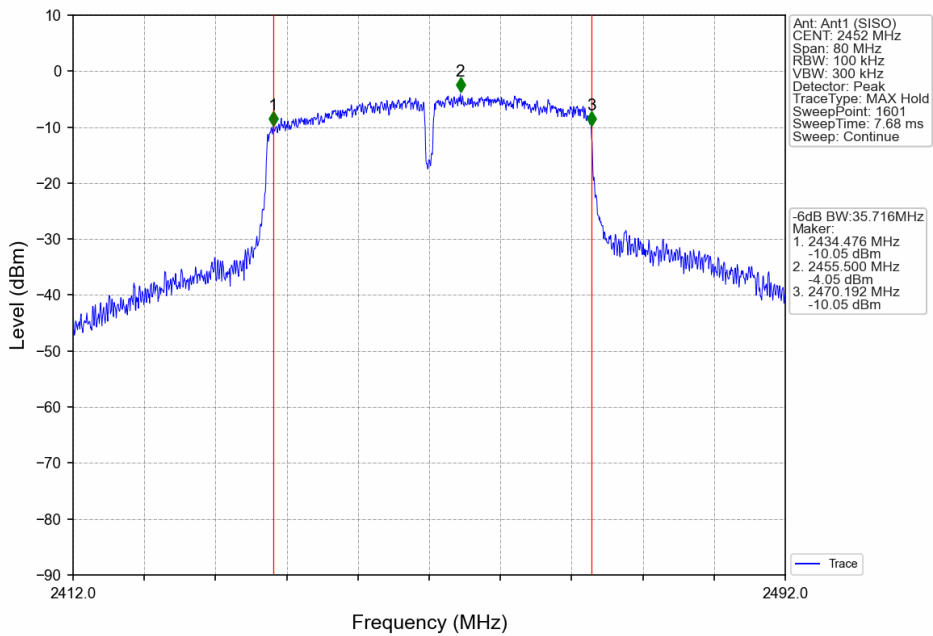


802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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	Limit	
802.11b	SISO	2412	15.51	<=30	Pass
		2437	15.44	<=30	Pass
		2462	16.22	<=30	Pass
802.11g	SISO	2412	19.82	<=30	Pass
		2437	20.08	<=30	Pass
		2462	20.43	<=30	Pass
802.11n (HT20)	SISO	2412	18.76	<=30	Pass
		2437	19.97	<=30	Pass
		2462	20.43	<=30	Pass
802.11n (HT40)	SISO	2422	16.45	<=30	Pass
		2437	19.41	<=30	Pass
		2452	19.82	<=30	Pass

Note1: Antenna Gain: Ant1: 1.09dBi;

4. Maximum Power Spectral Density

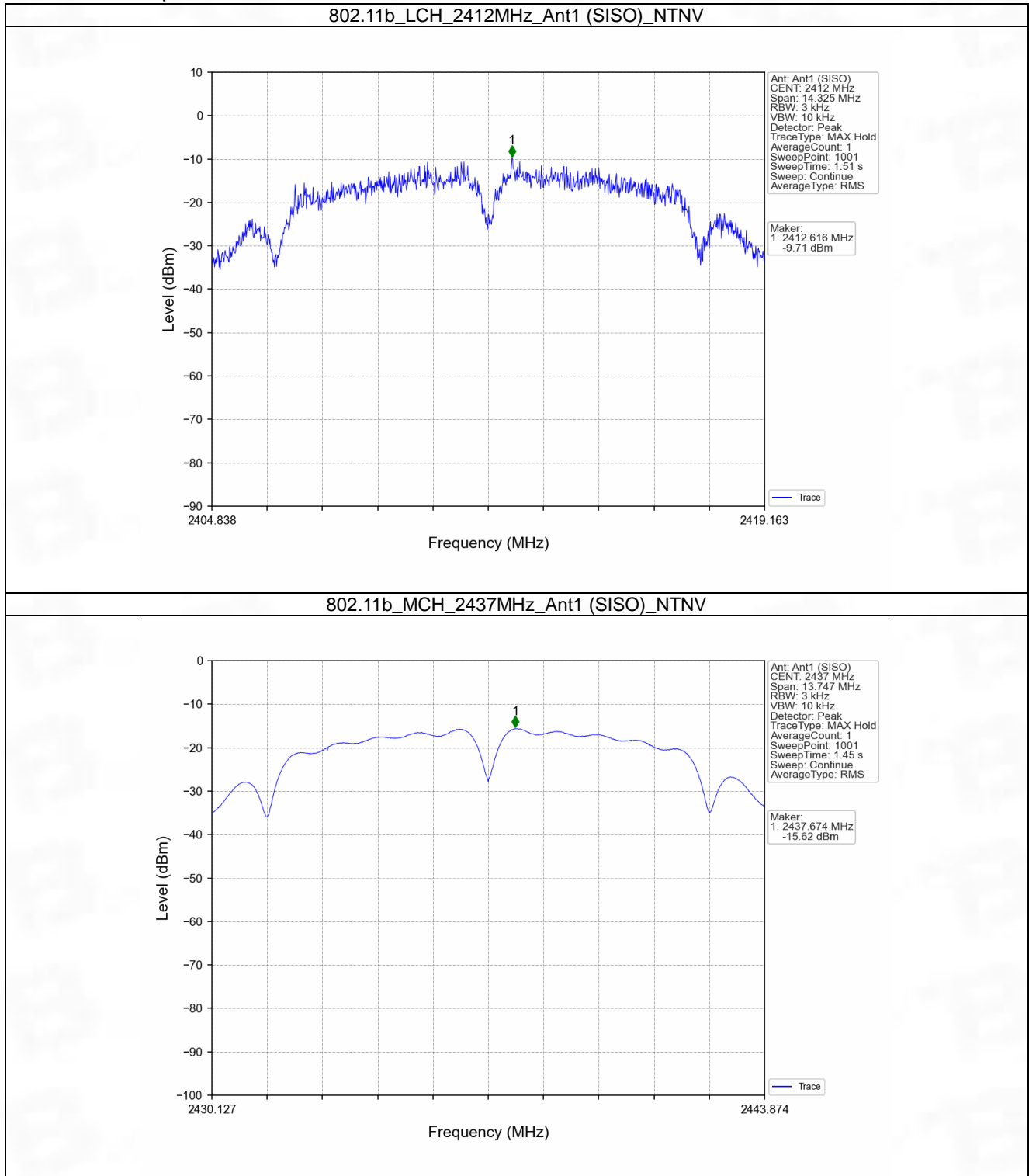
4.1 PSD

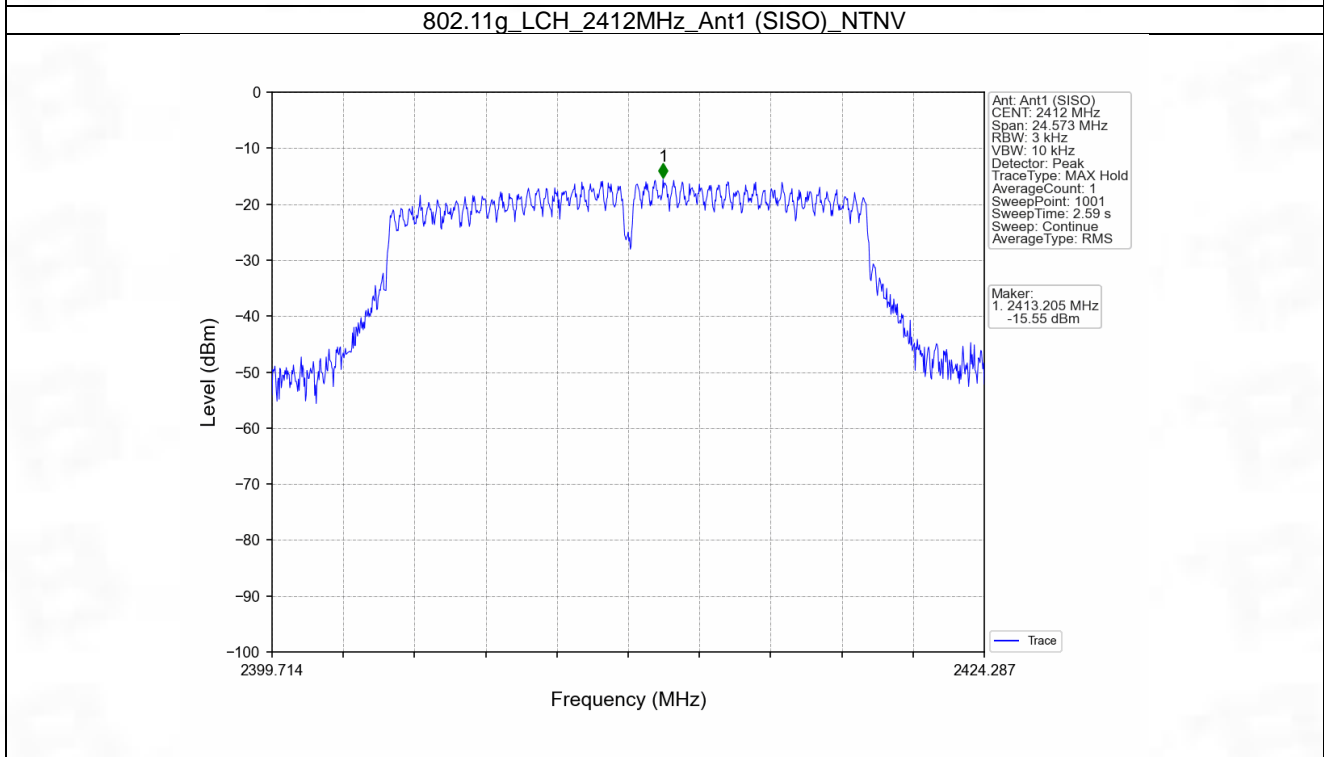
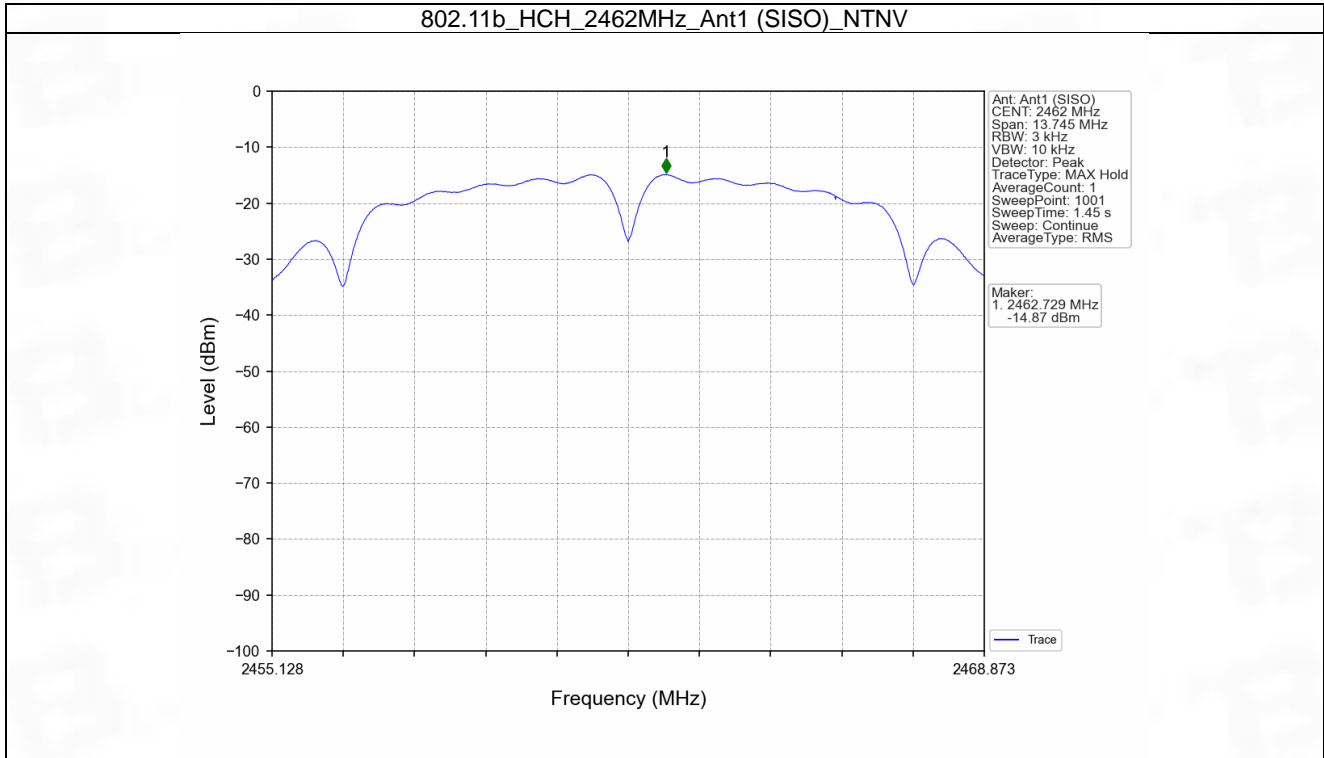
4.1.1 Test Result

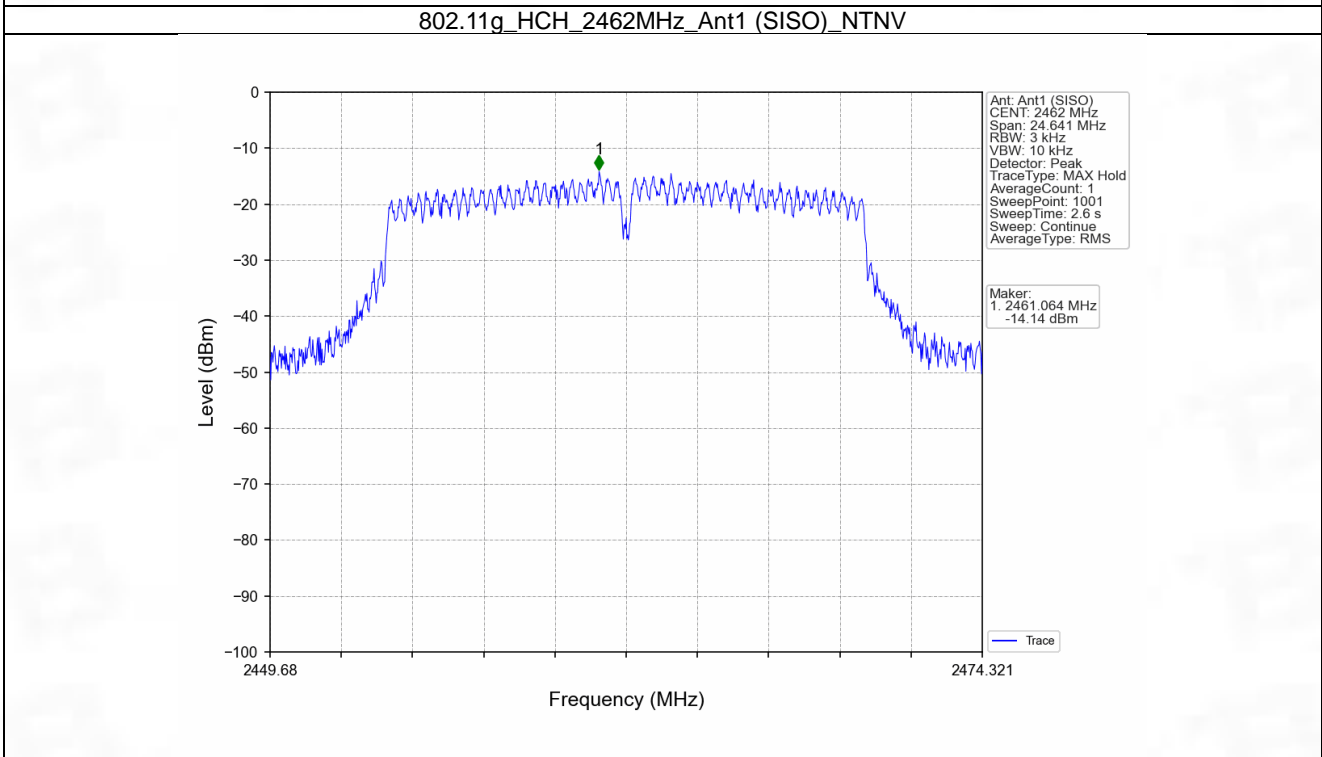
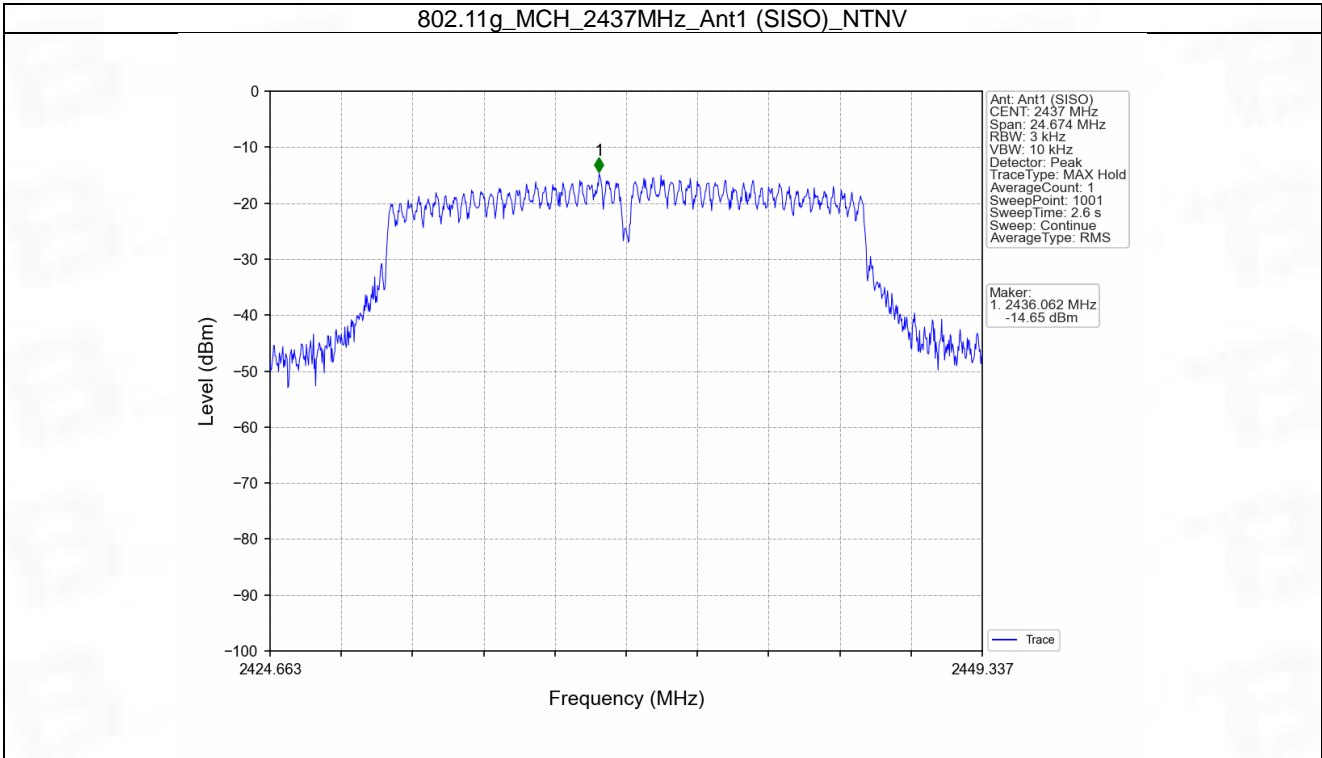
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-9.71	<=8	Pass
		2437	-15.62	<=8	Pass
		2462	-14.87	<=8	Pass
802.11g	SISO	2412	-15.55	<=8	Pass
		2437	-14.65	<=8	Pass
		2462	-14.14	<=8	Pass
802.11n (HT20)	SISO	2412	-16.16	<=8	Pass
		2437	-14.99	<=8	Pass
		2462	-14.66	<=8	Pass
802.11n (HT40)	SISO	2422	-20.12	<=8	Pass
		2437	-16.06	<=8	Pass
		2452	-17.27	<=8	Pass

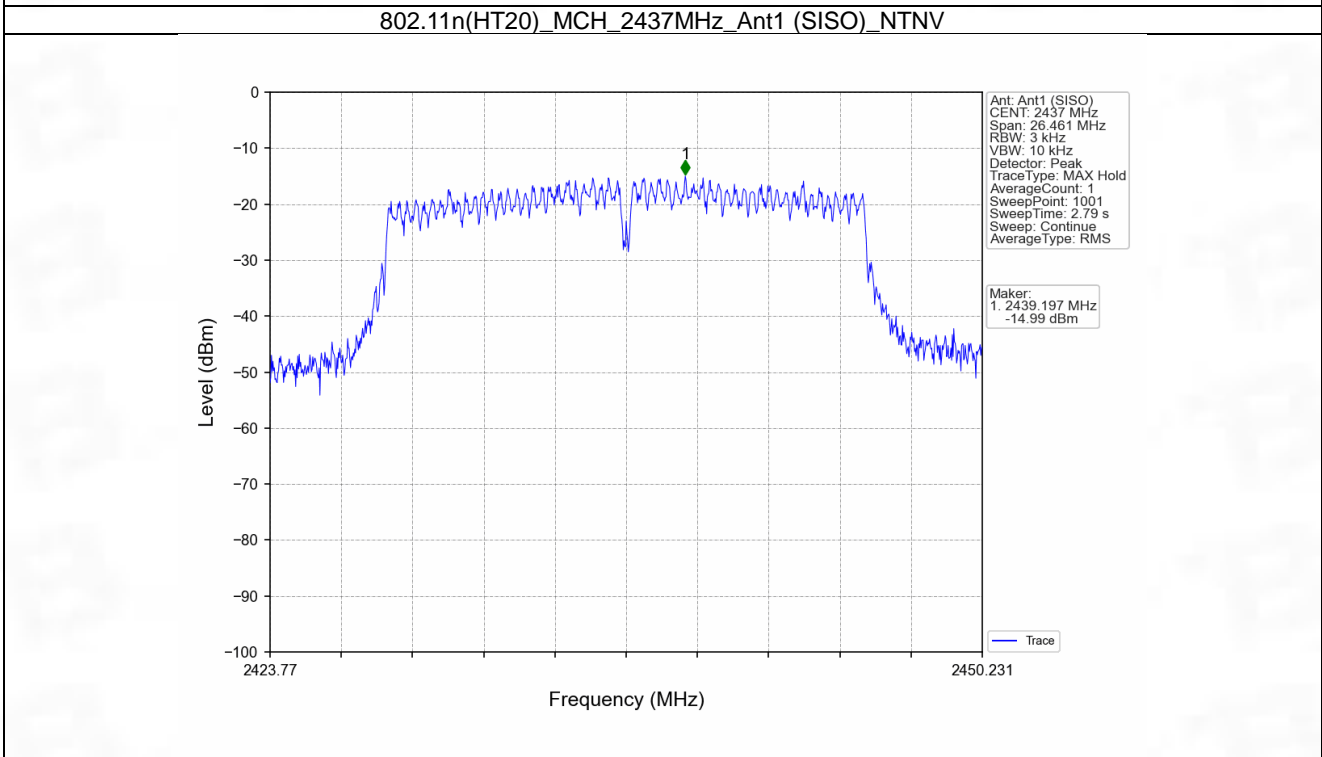
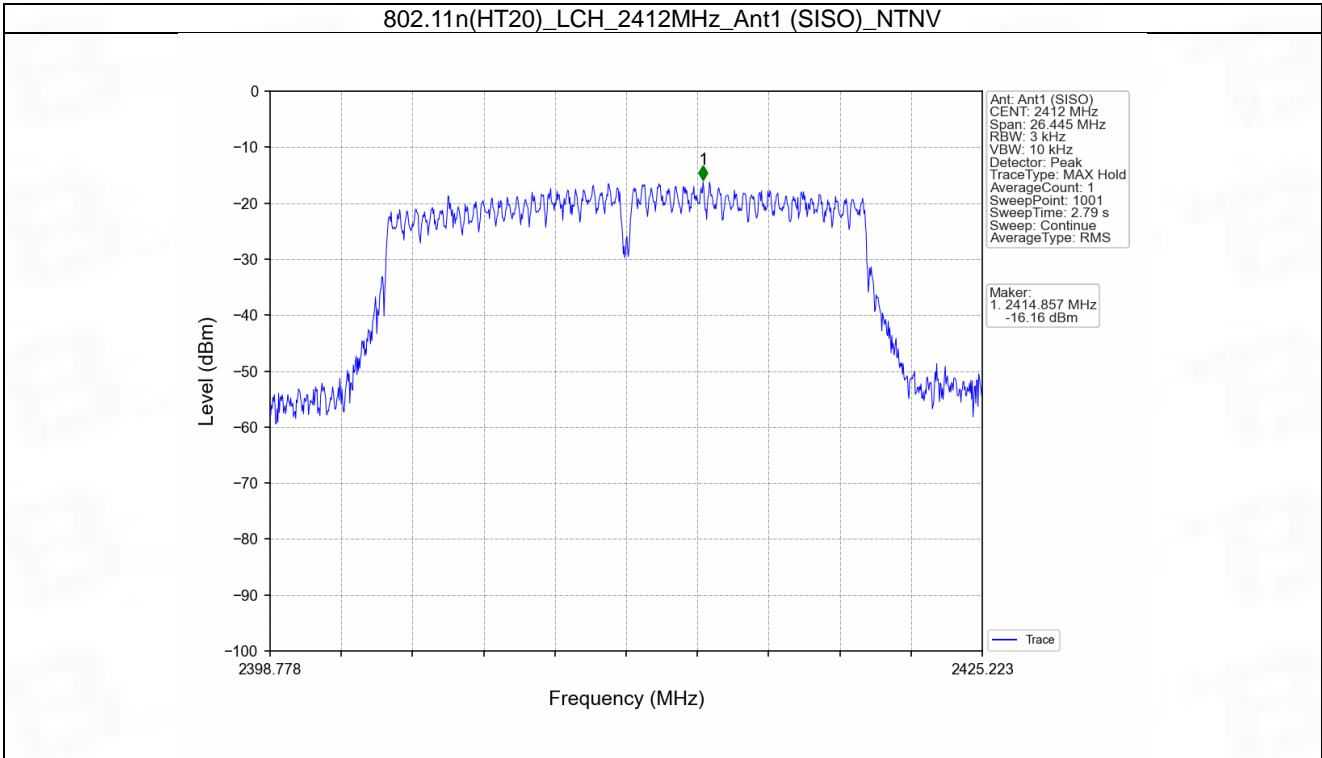
Note1: Antenna Gain: Ant1: 1.09dBi;

### 4.1.2 Test Graph

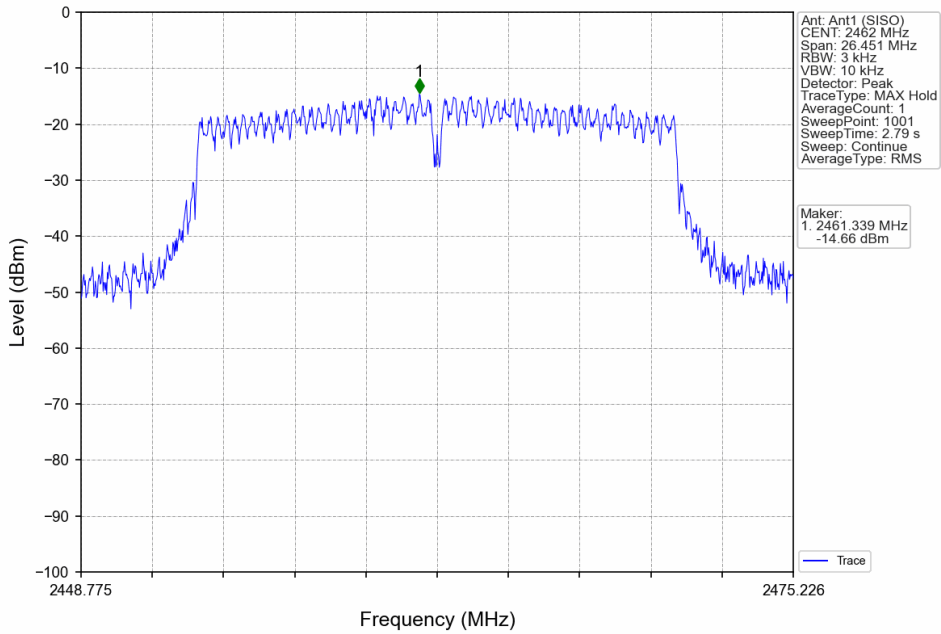




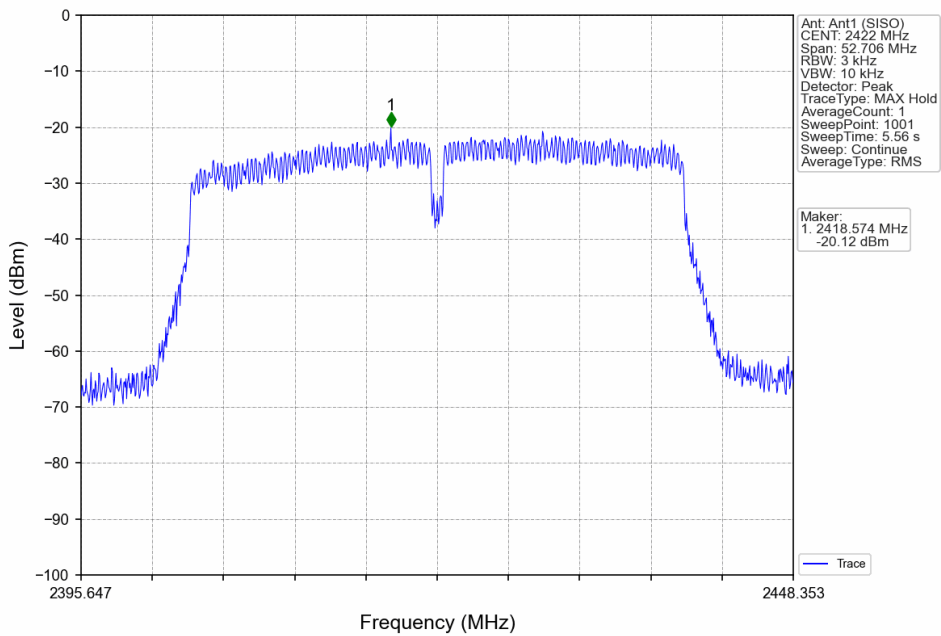




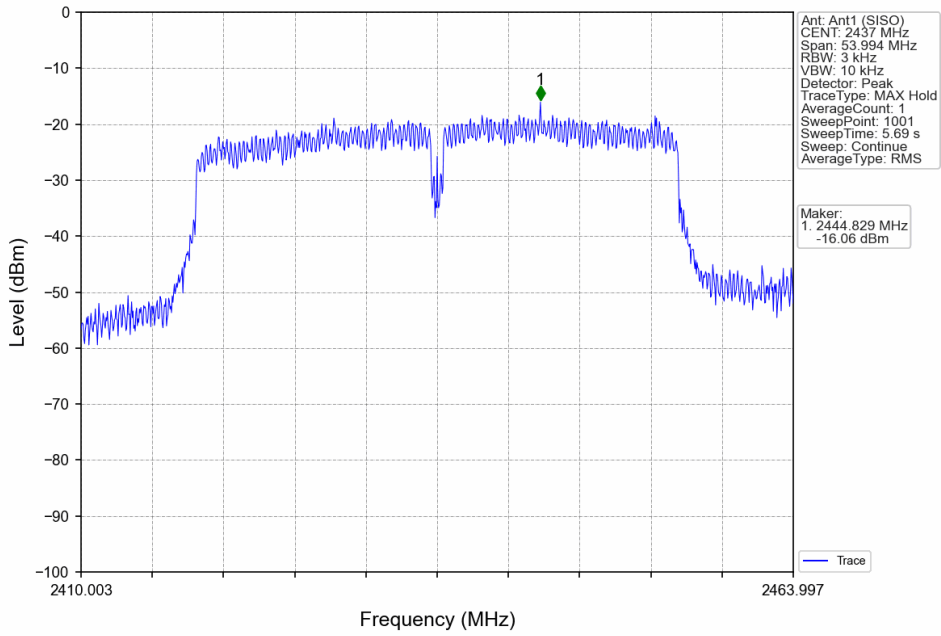
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



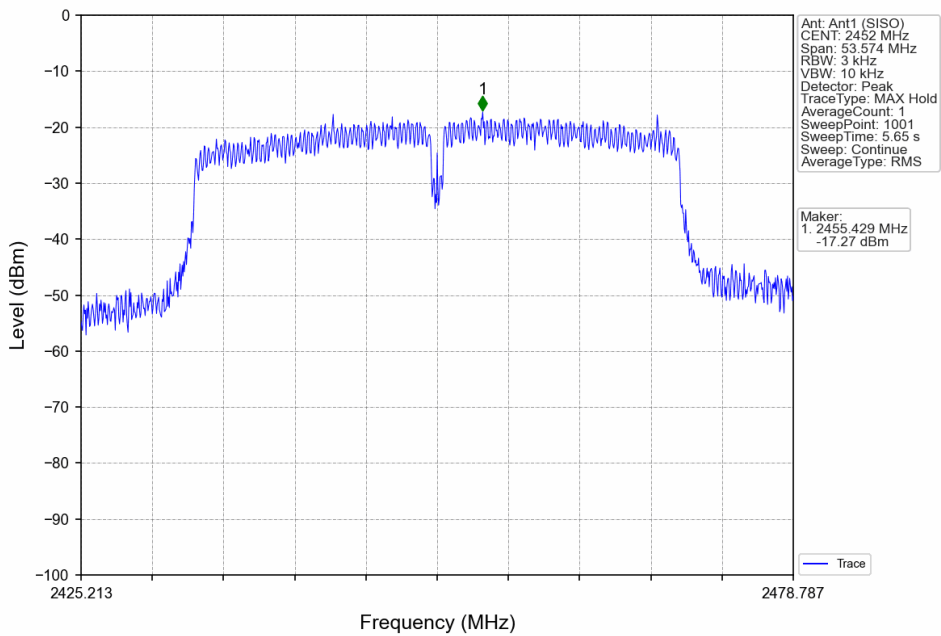
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV





5. Unwanted Emissions In Non-restricted Frequency Bands

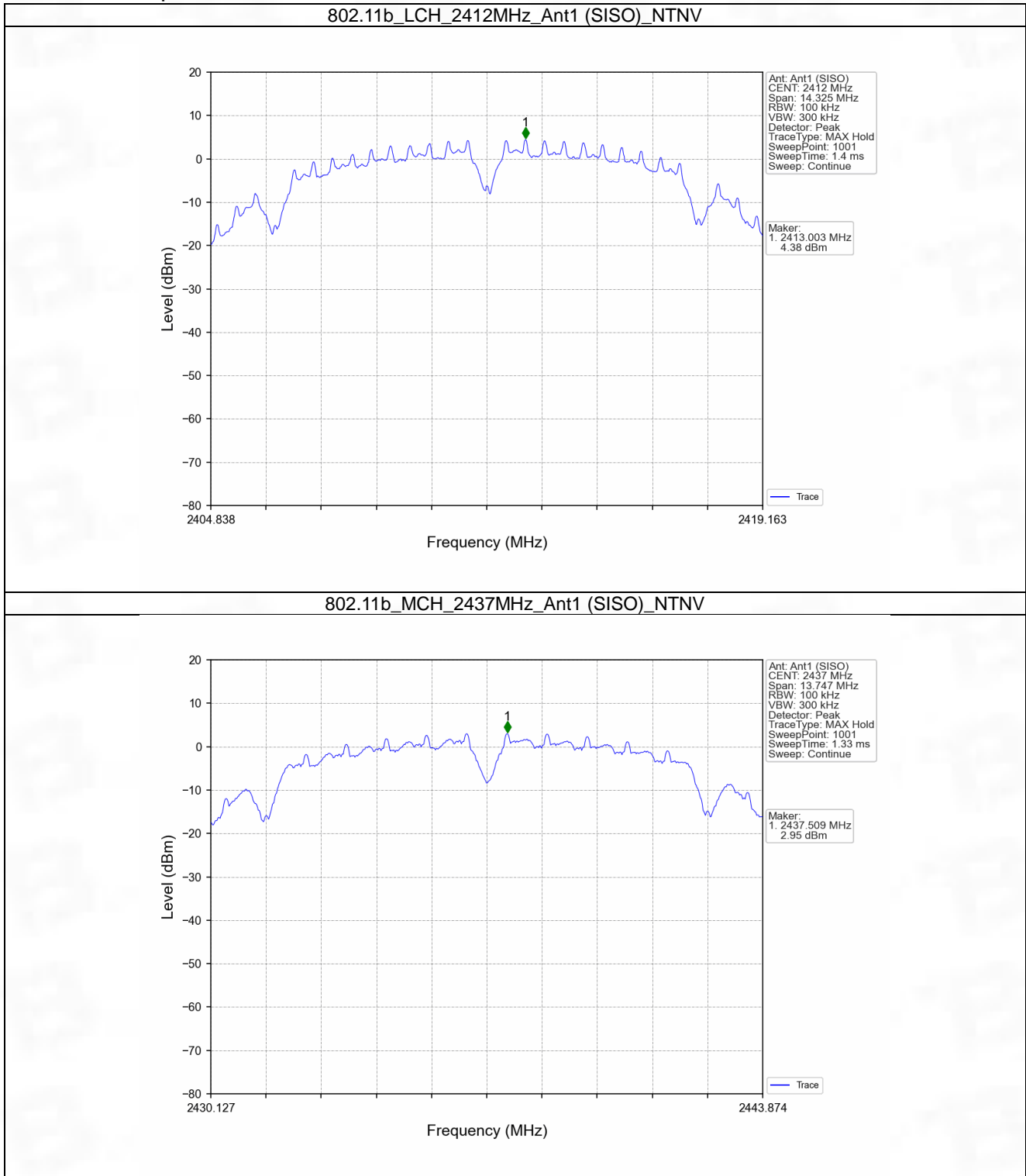
5.1 Ref

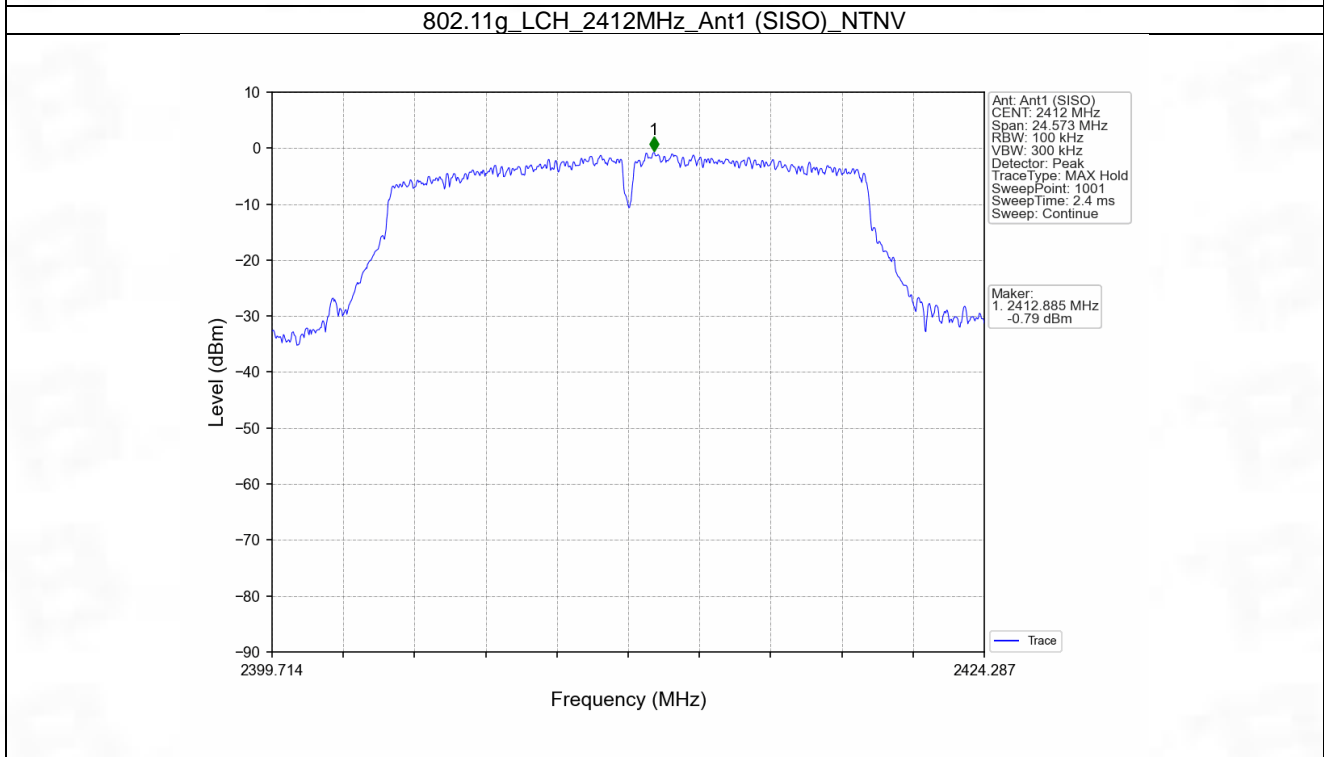
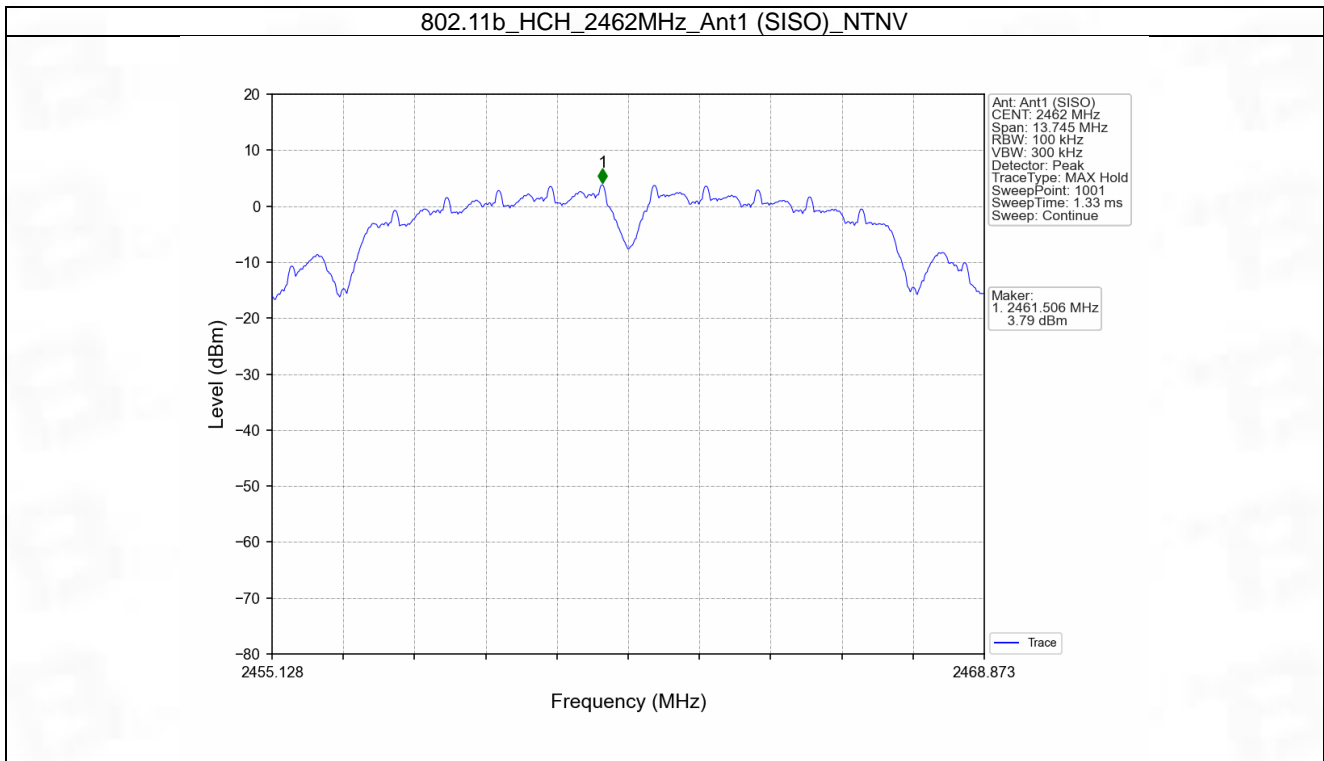
5.1.1 Test Result

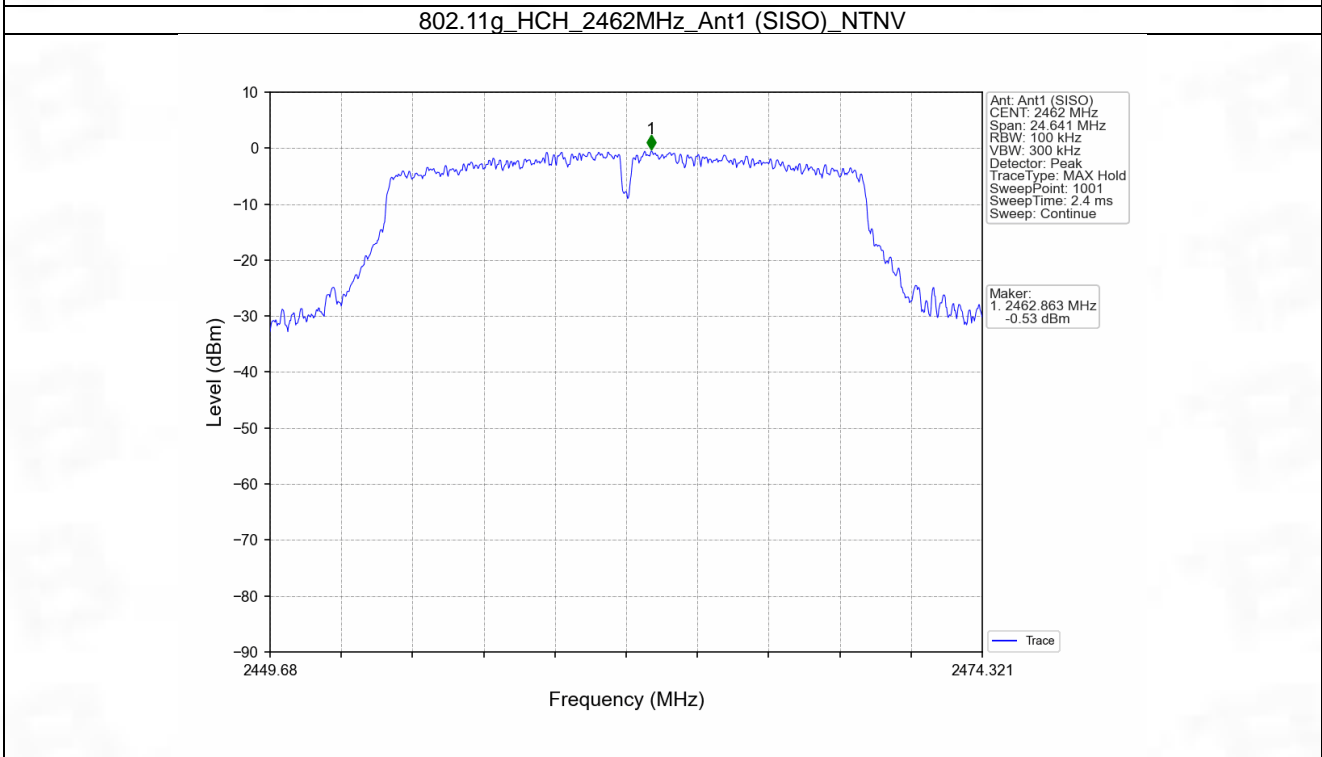
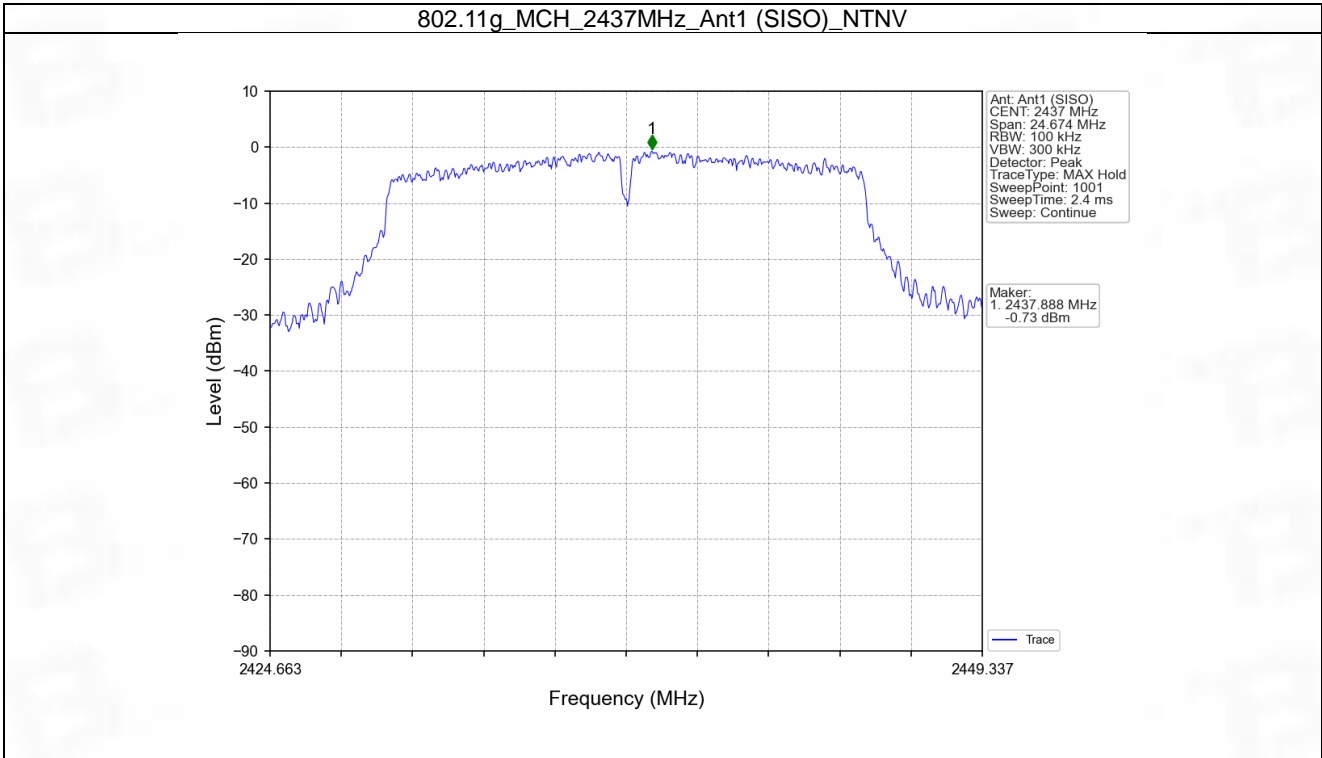
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	4.38
		2437	1	2.95
		2462	1	3.79
802.11g	SISO	2412	1	-0.79
		2437	1	-0.73
		2462	1	-0.53
802.11n (HT20)	SISO	2412	1	-2.07
		2437	1	-1.03
		2462	1	-0.42
802.11n (HT40)	SISO	2422	1	-7.48
		2437	1	-4.67
		2452	1	-4.09

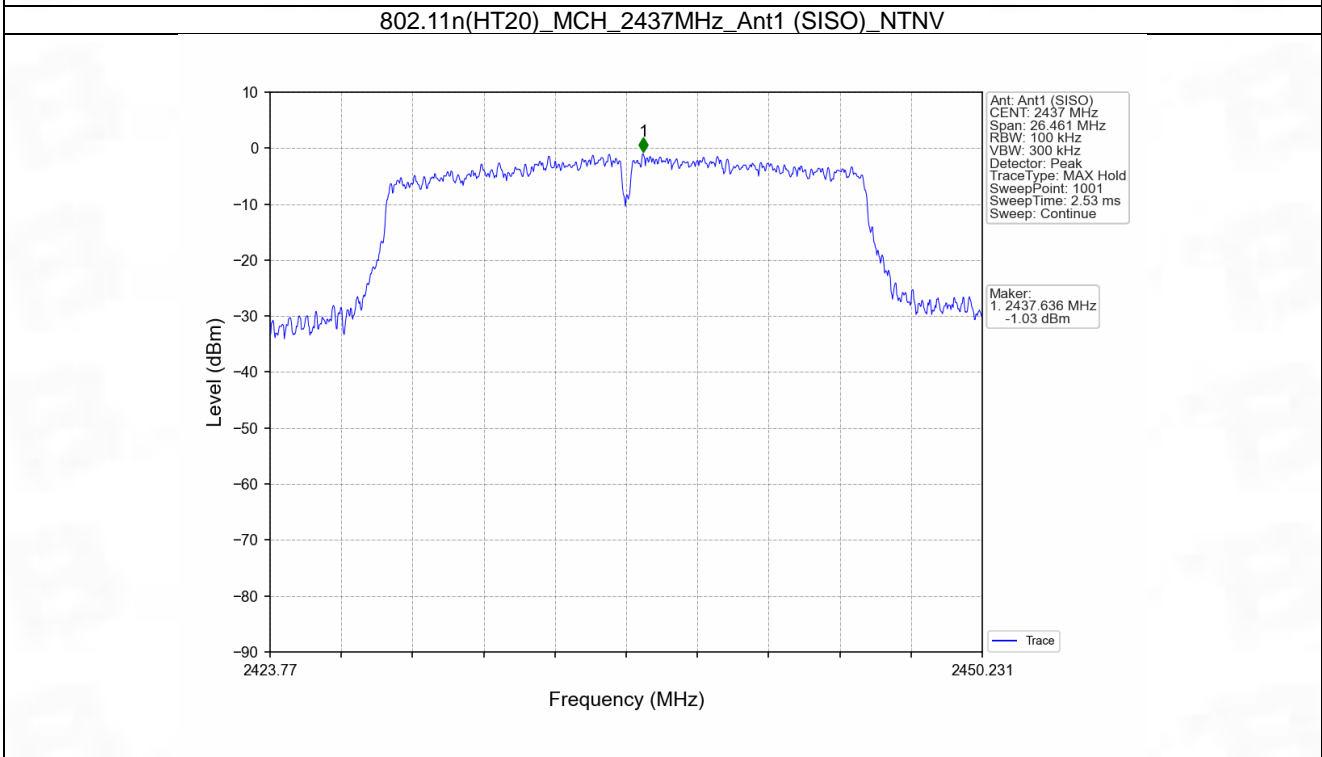
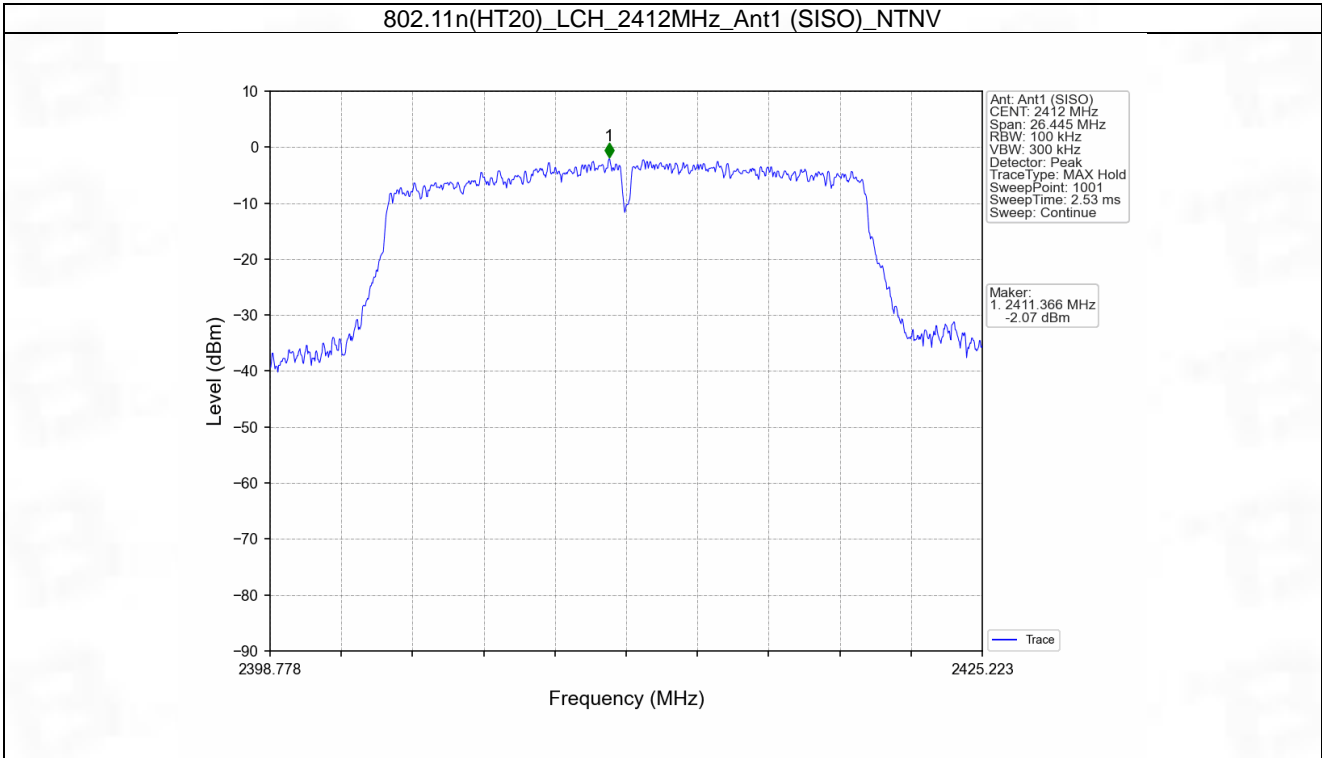
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

### 5.1.2 Test Graph

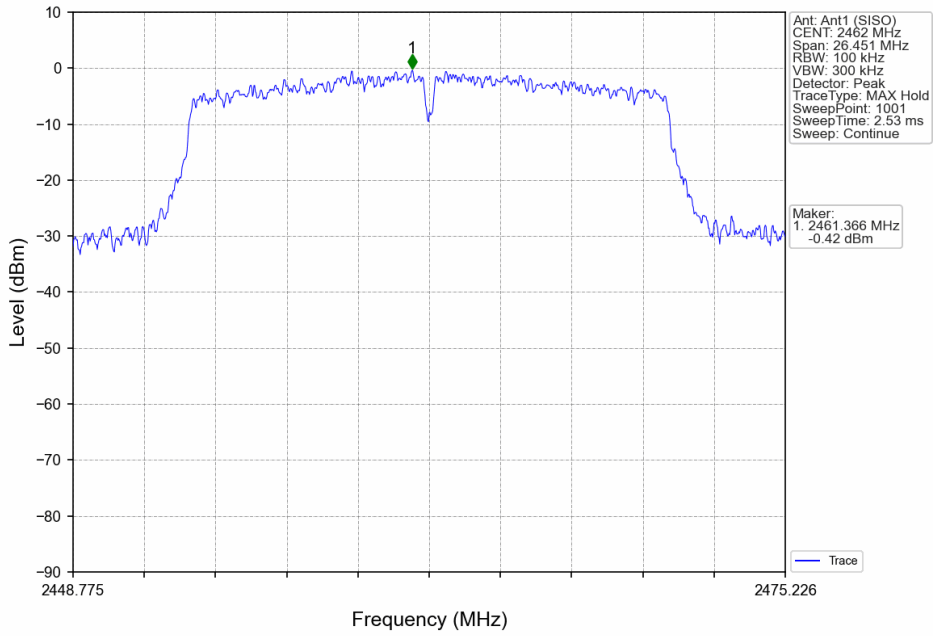




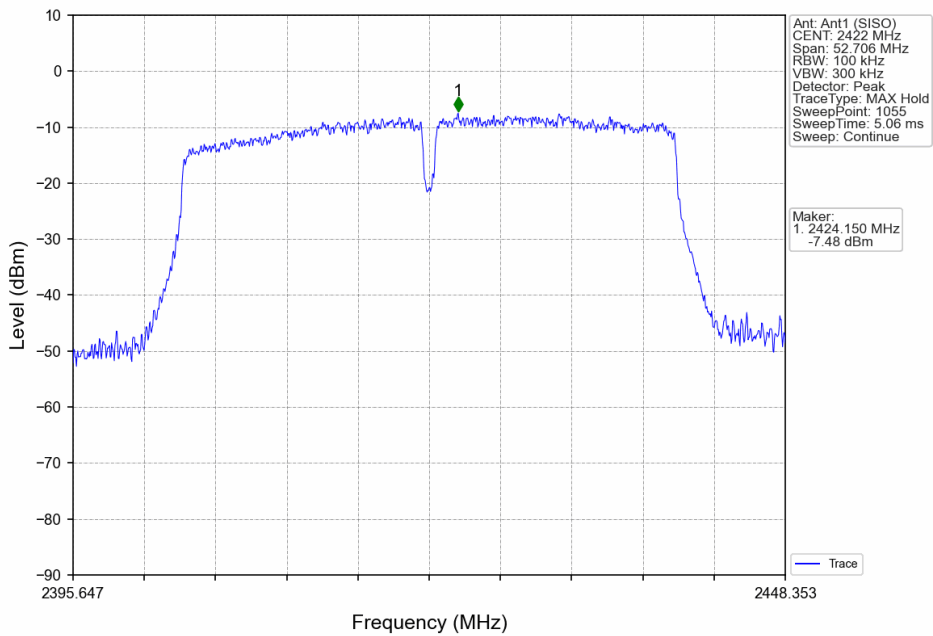




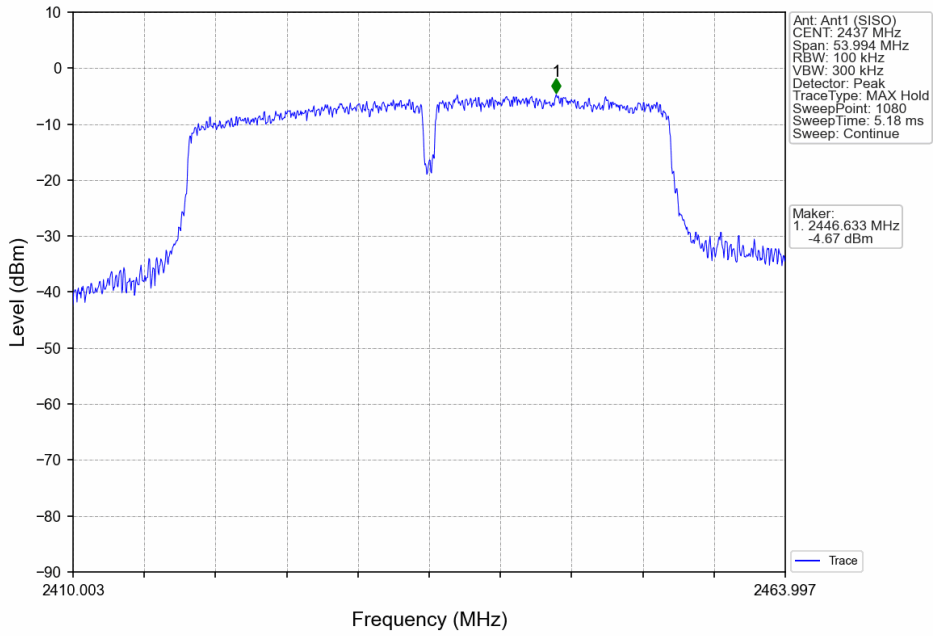
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



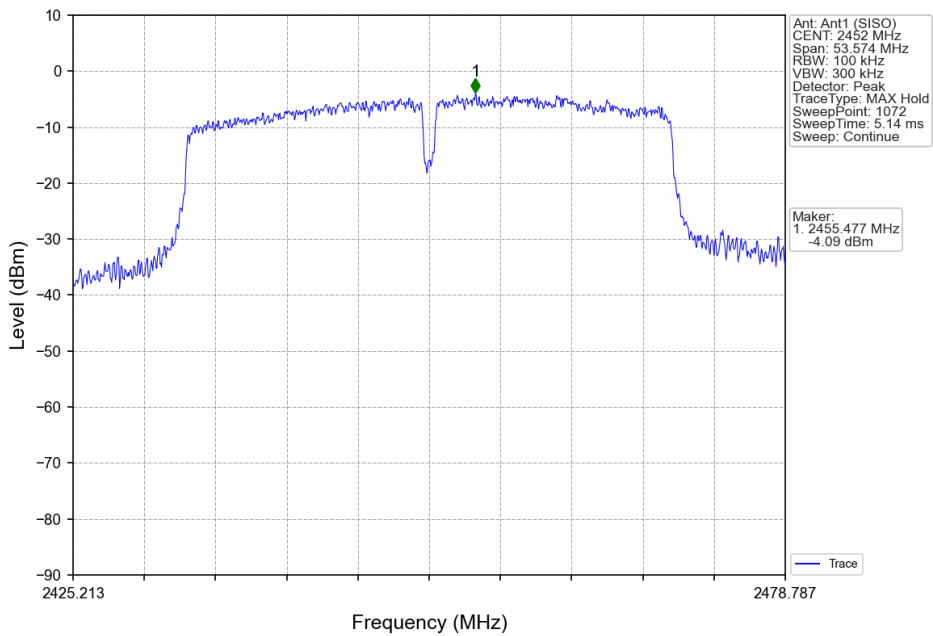
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



5.2 CSE

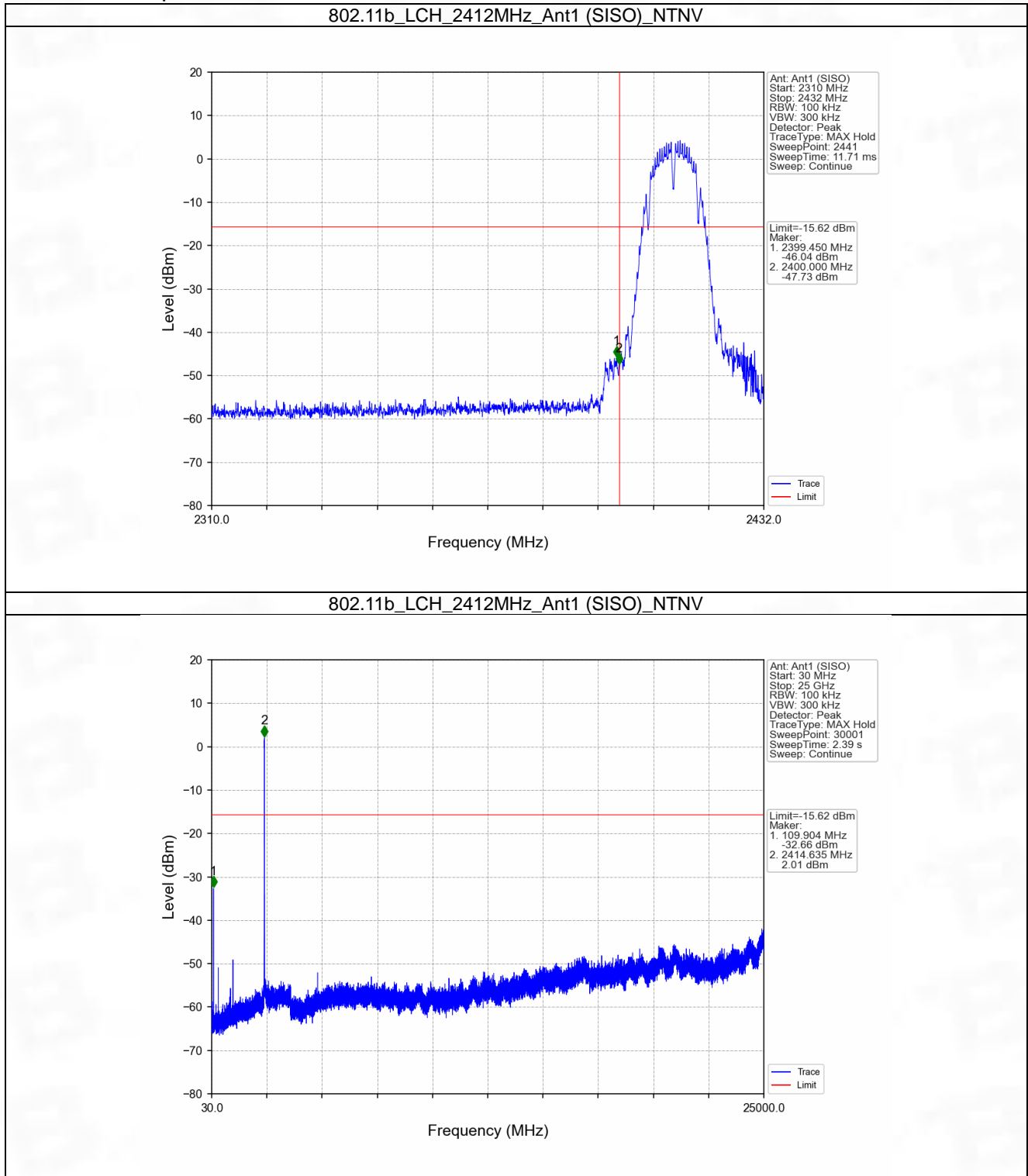
5.2.1 Test Result

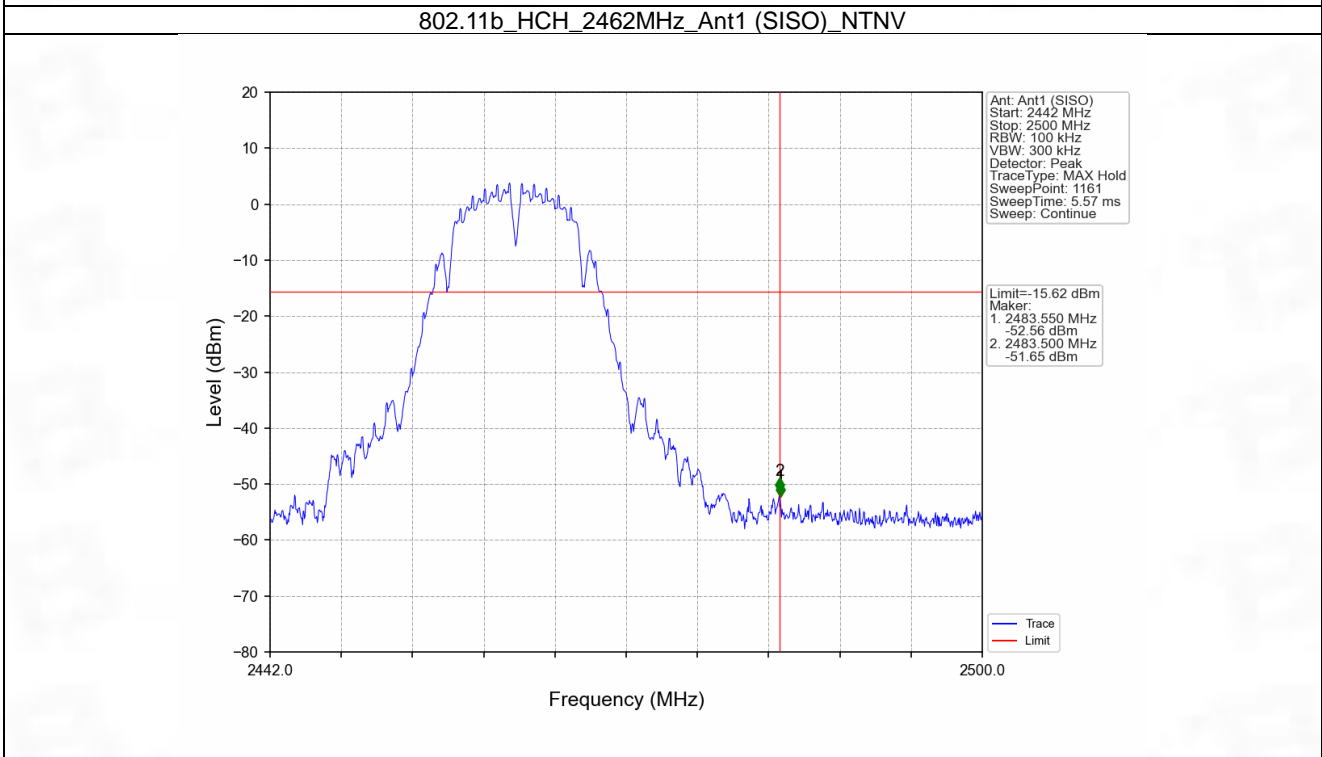
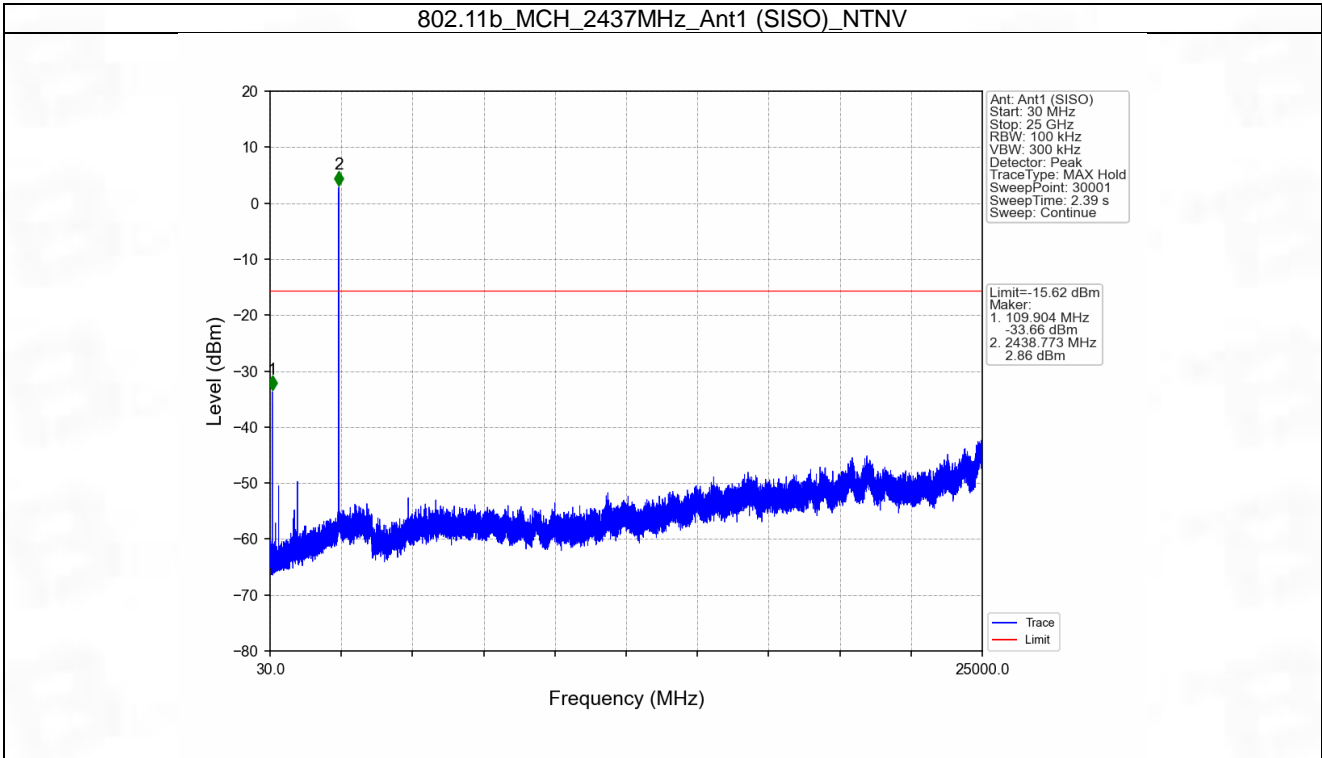
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	4.38	-15.62	Pass
		2437	1	4.38	-15.62	Pass
		2462	1	4.38	-15.62	Pass
802.11g	SISO	2412	1	-0.53	-20.53	Pass
		2437	1	-0.53	-20.53	Pass
		2462	1	-0.53	-20.53	Pass
802.11n (HT20)	SISO	2412	1	-0.42	-20.42	Pass
		2437	1	-0.42	-20.42	Pass
		2462	1	-0.42	-20.42	Pass
802.11n (HT40)	SISO	2422	1	-4.09	-24.09	Pass
		2437	1	-4.09	-24.09	Pass
		2452	1	-4.09	-24.09	Pass

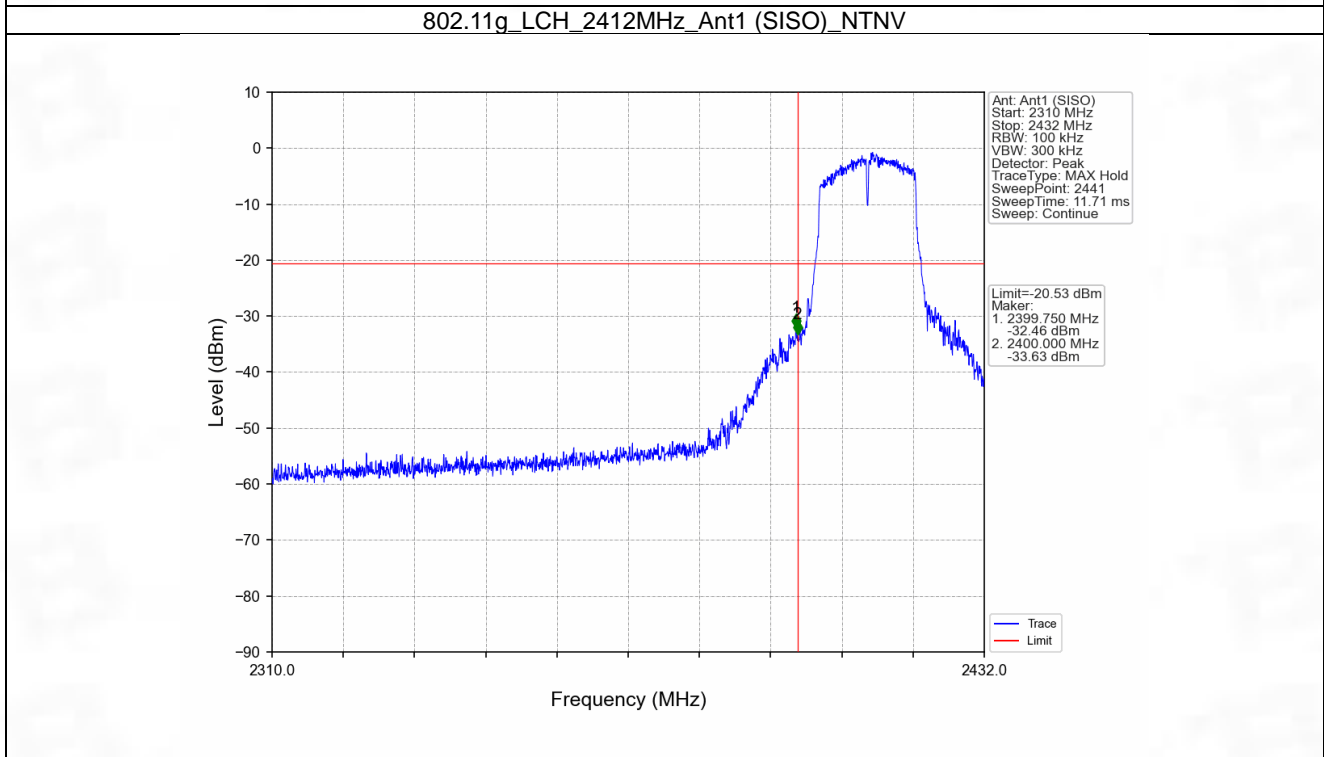
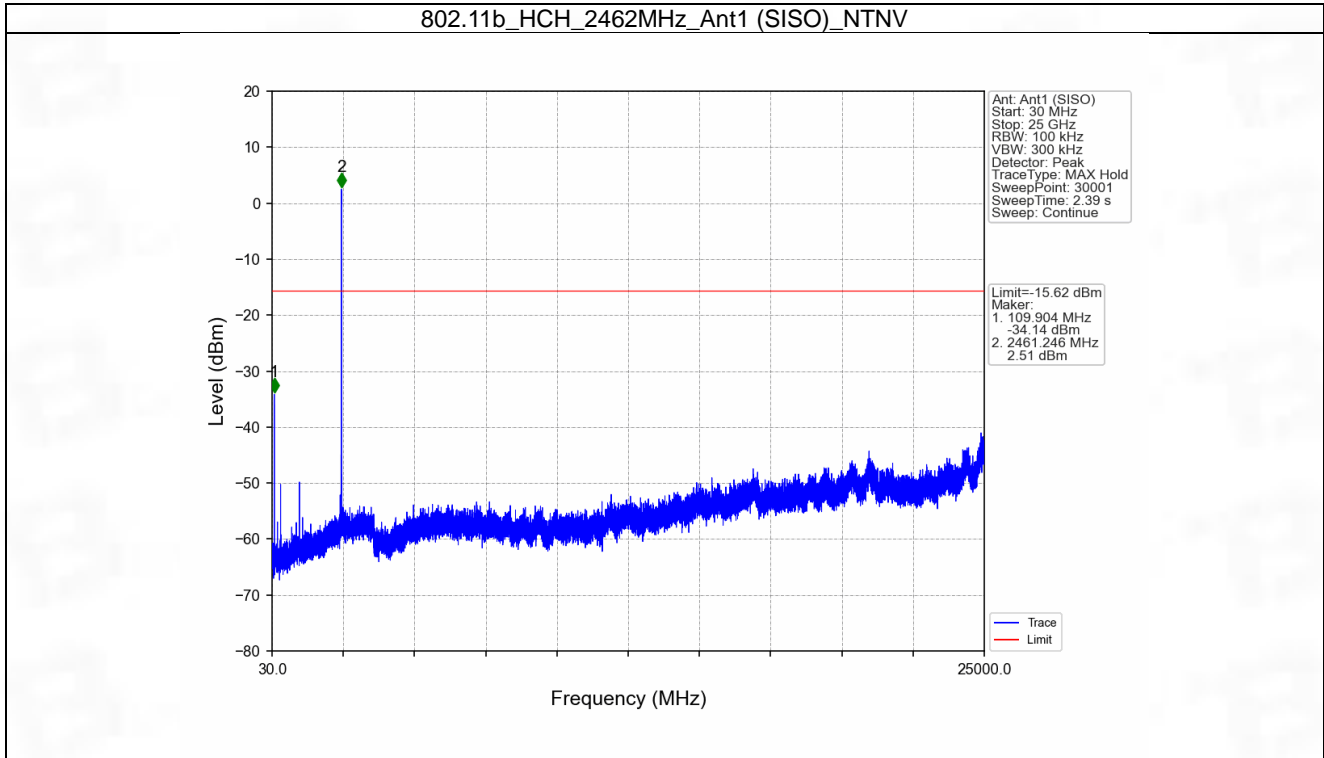
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

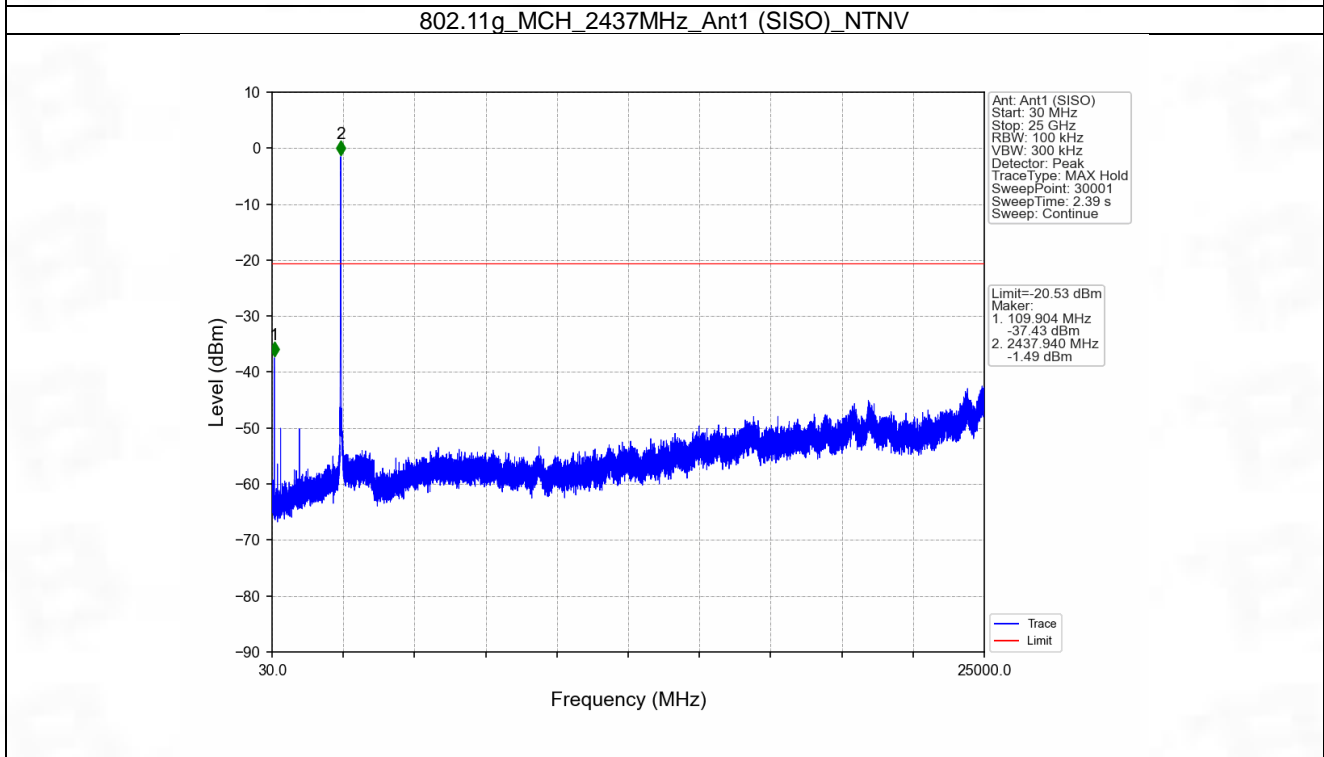
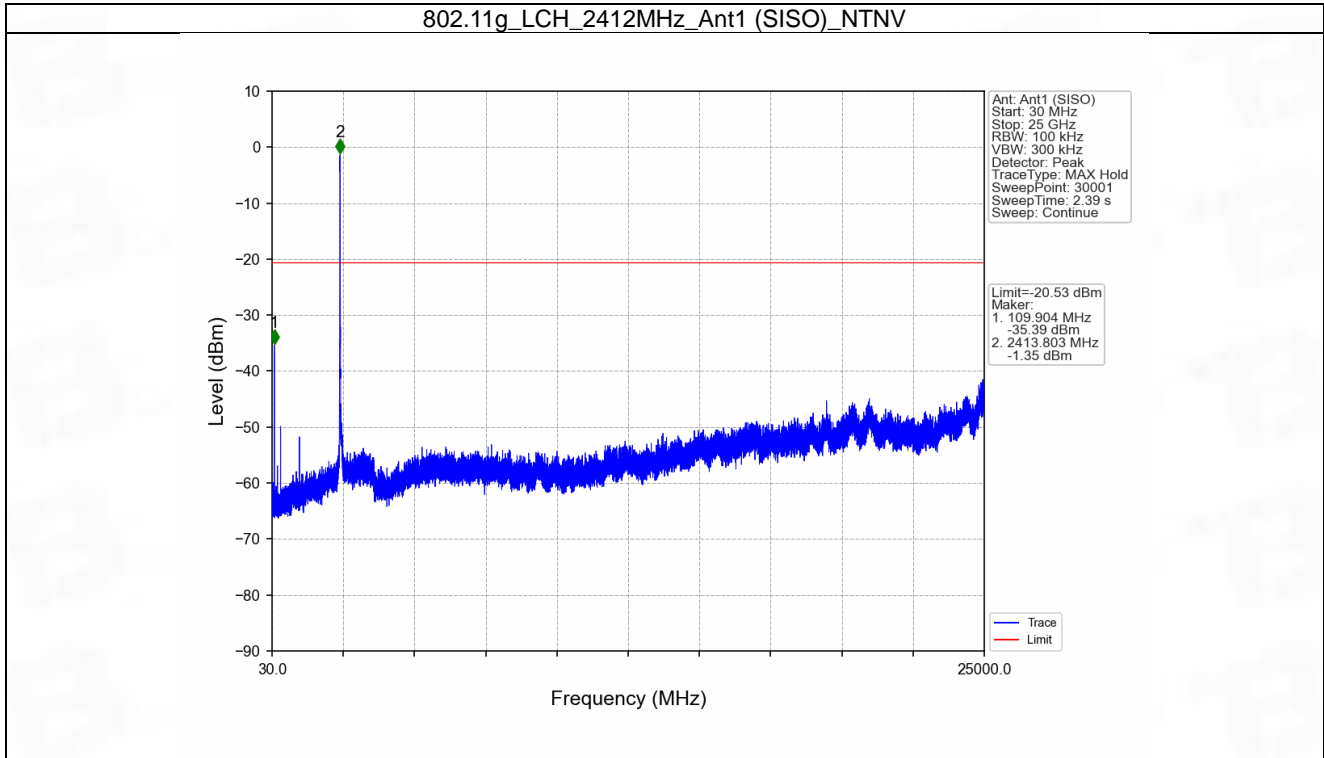


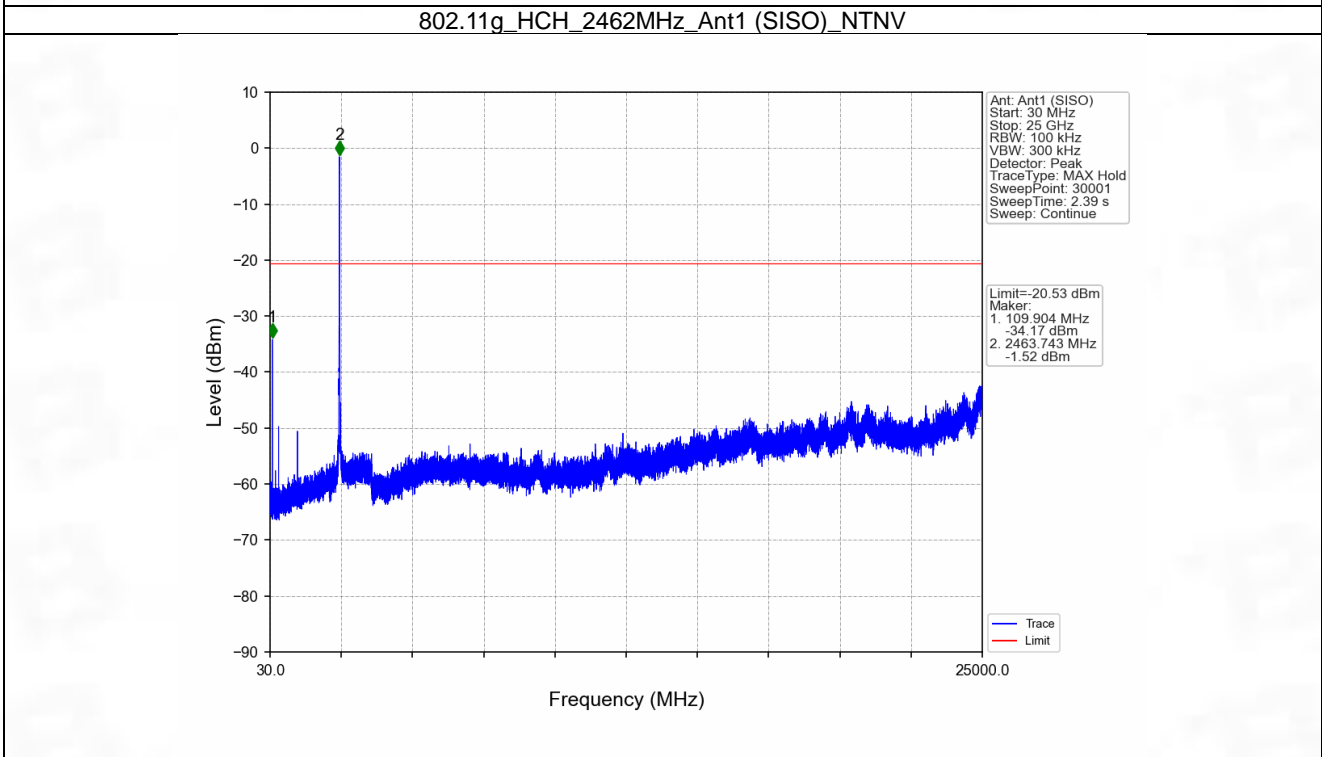
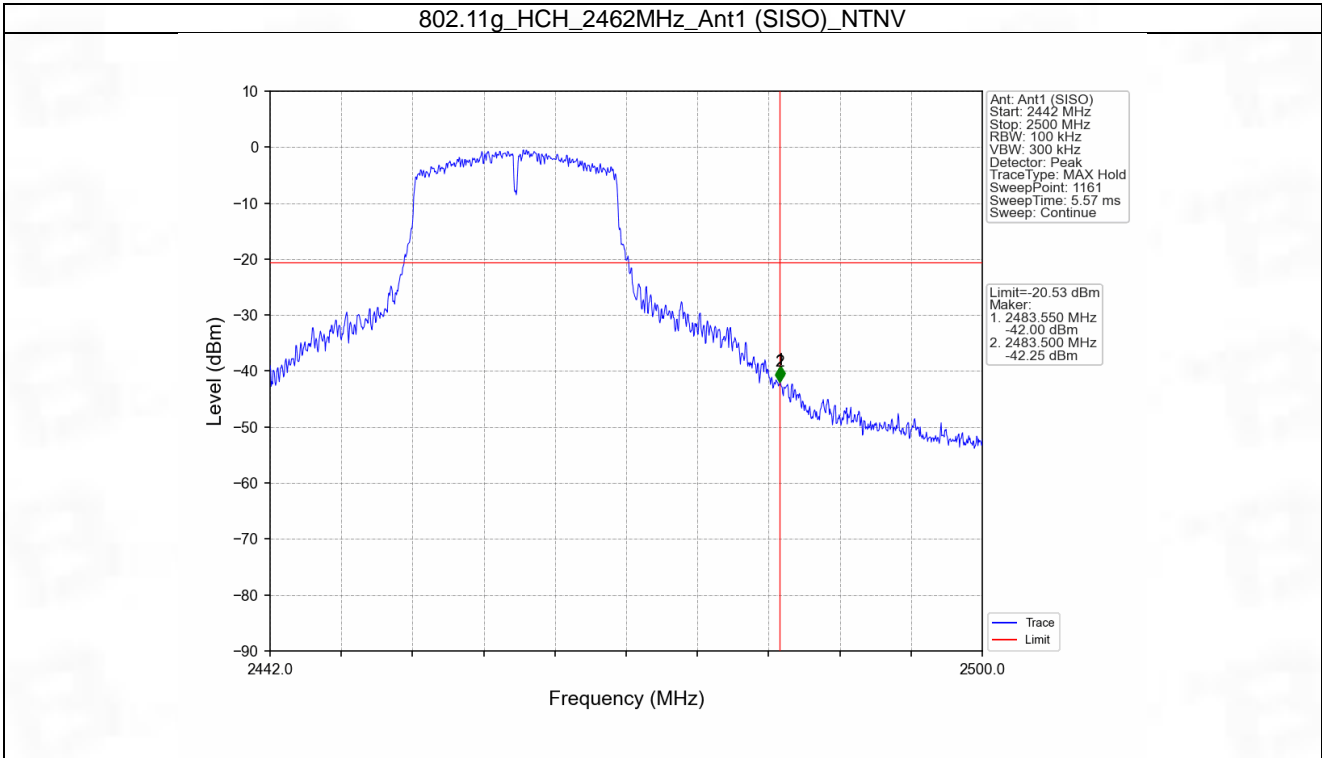
### 5.2.2 Test Graph



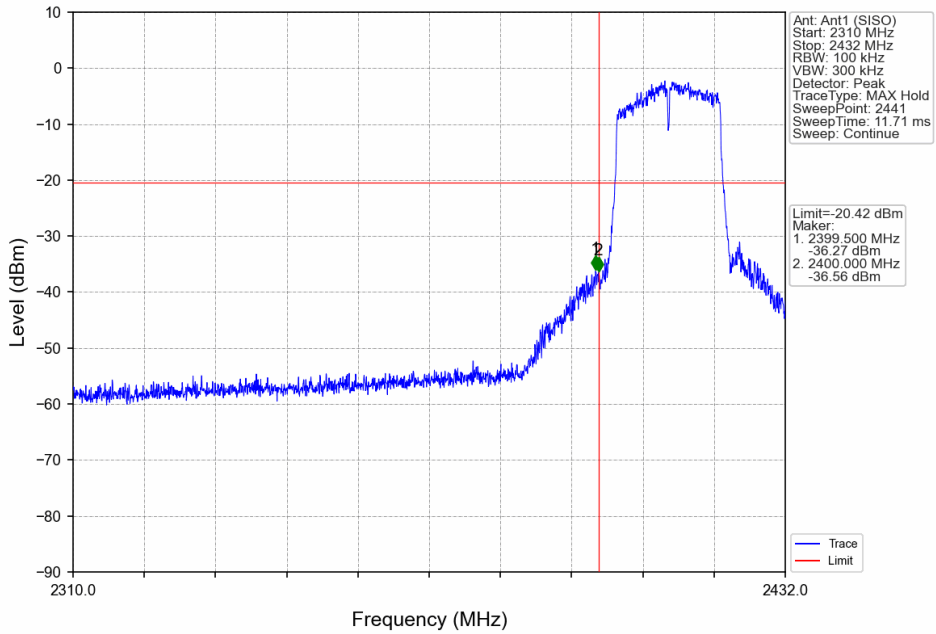




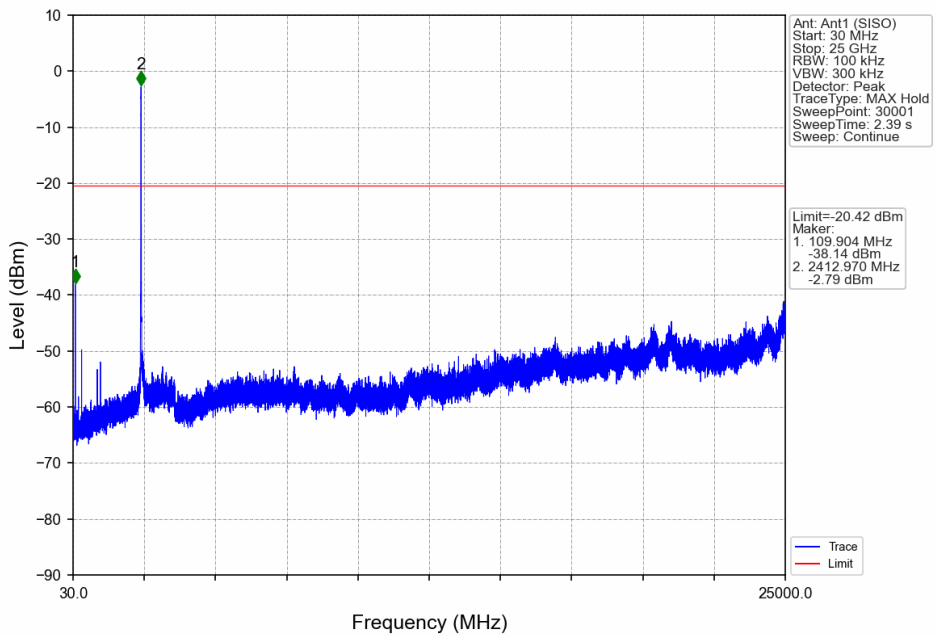




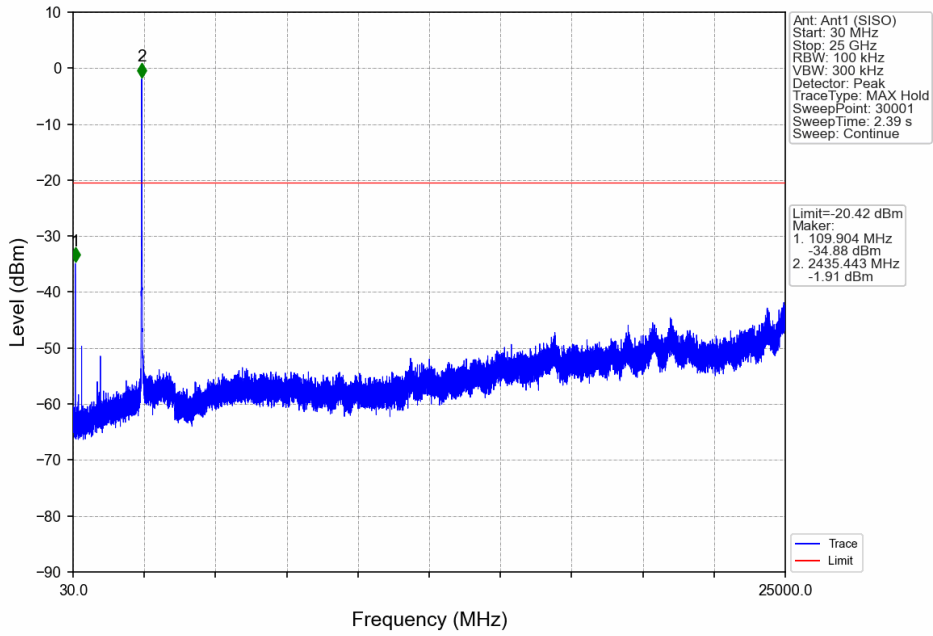
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



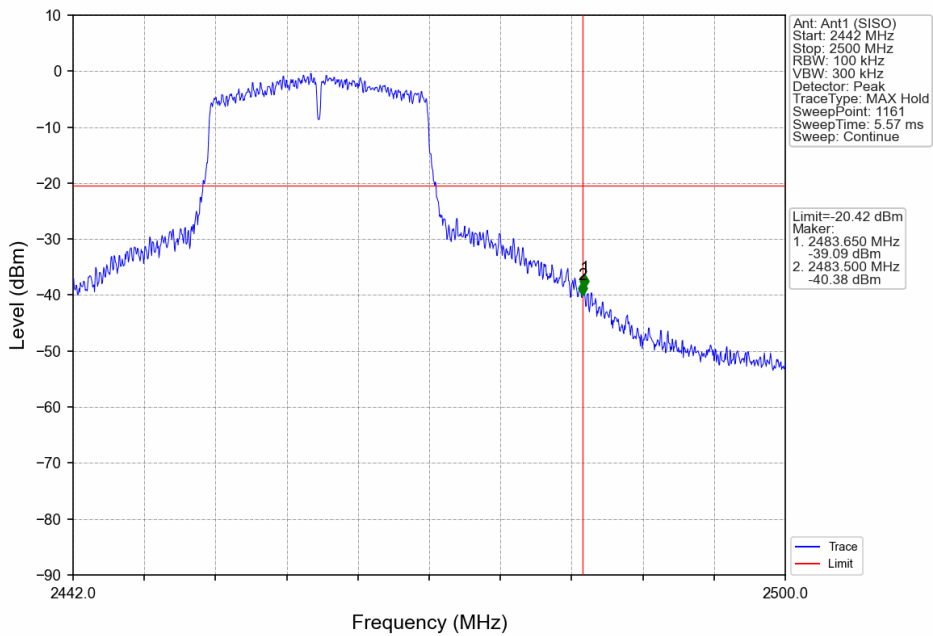
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



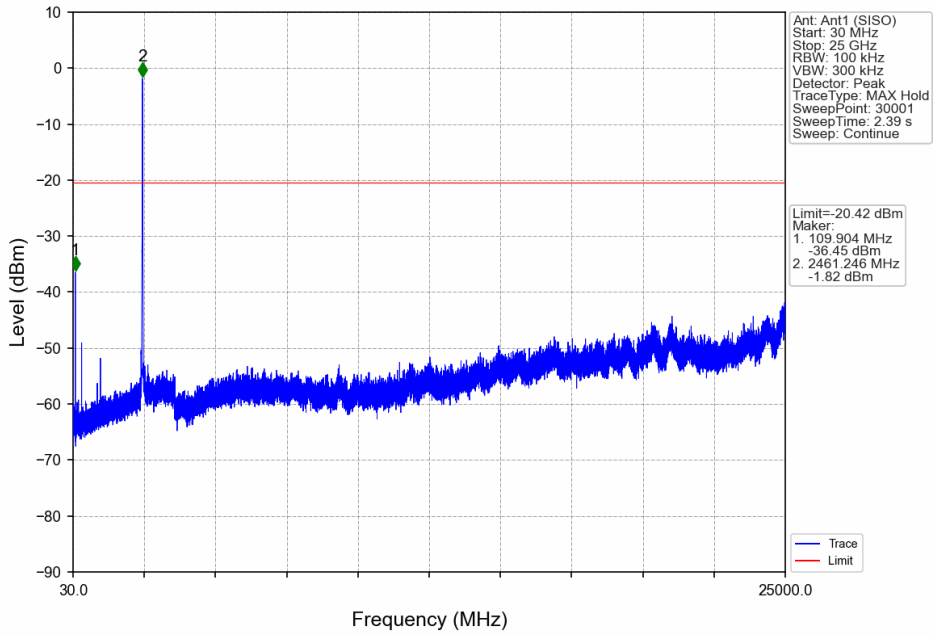
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



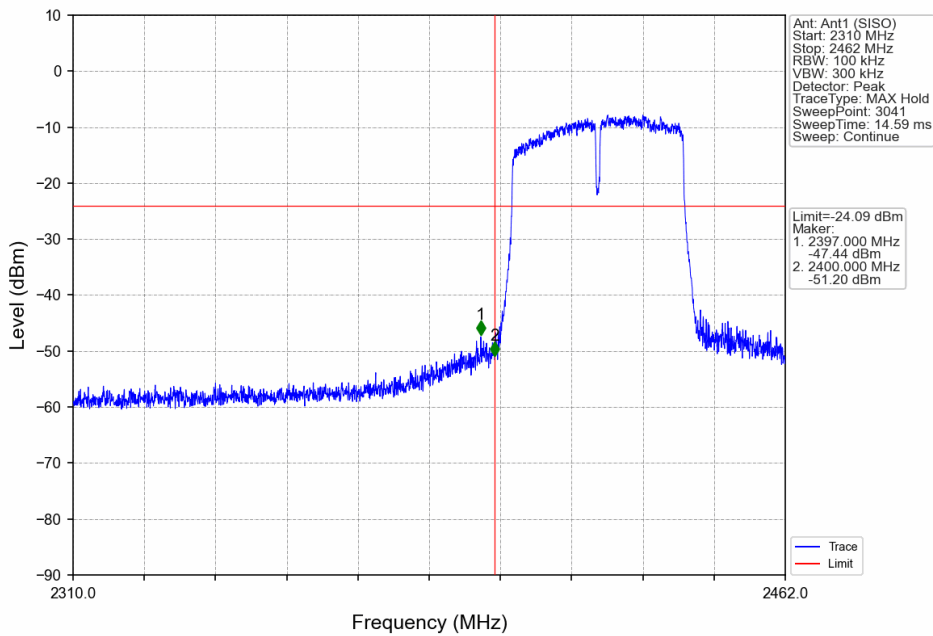
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



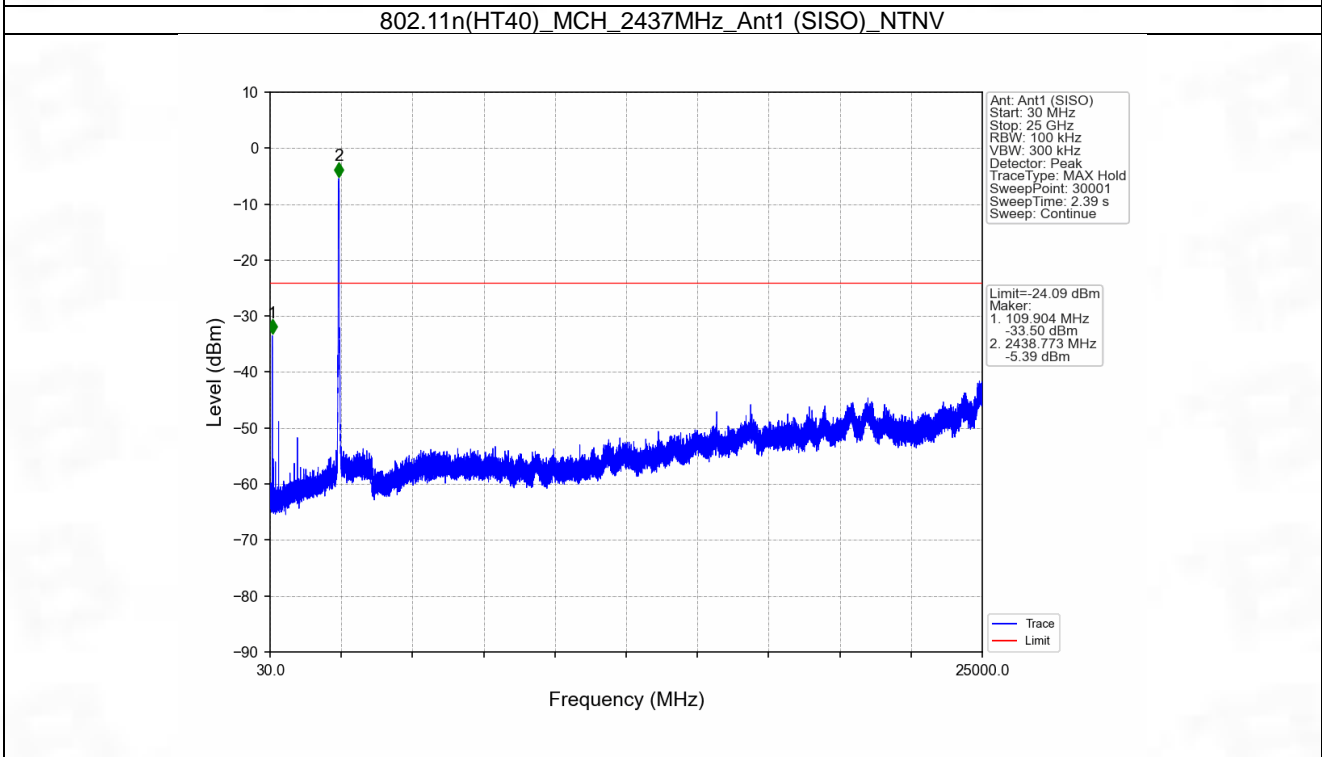
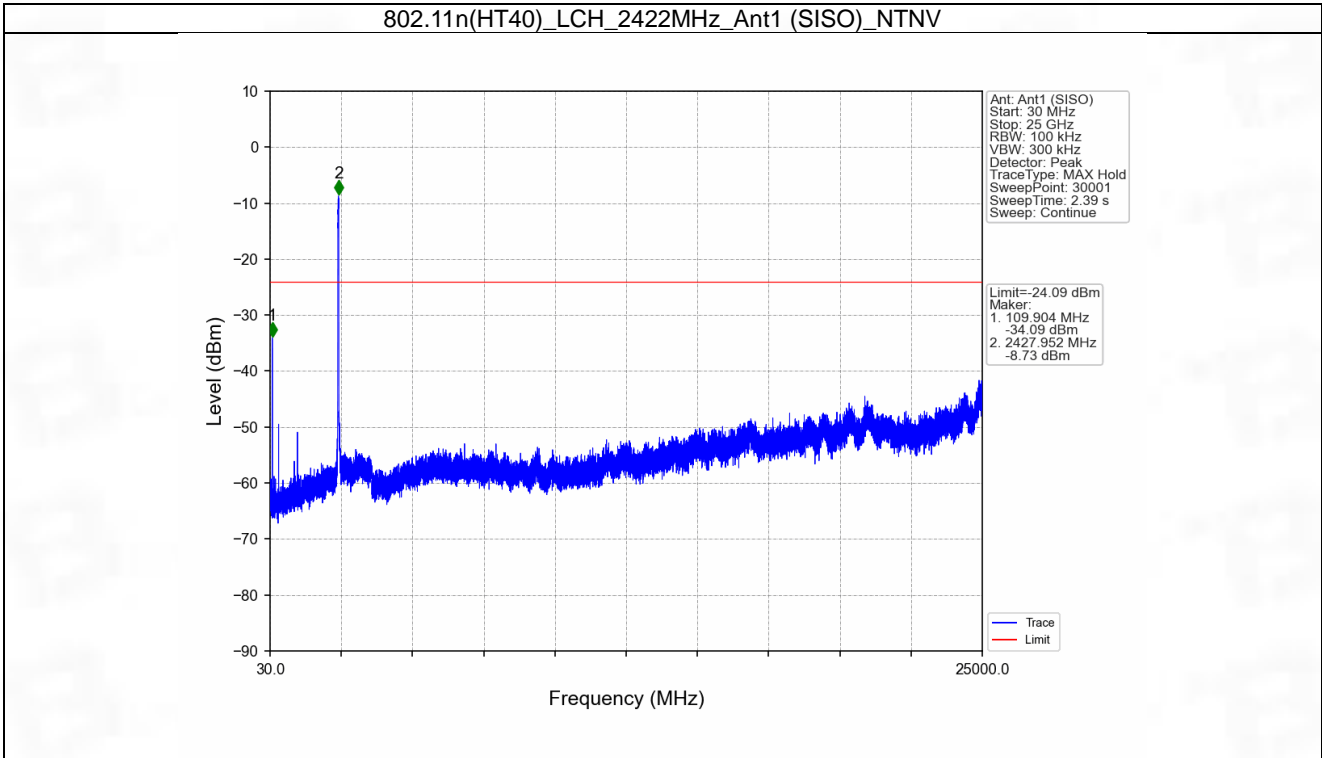
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



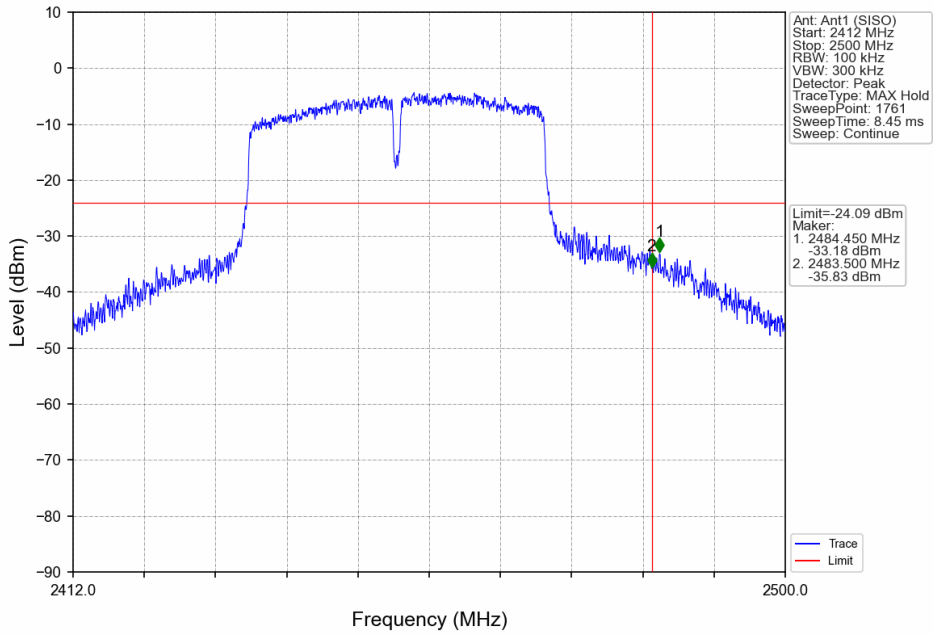
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



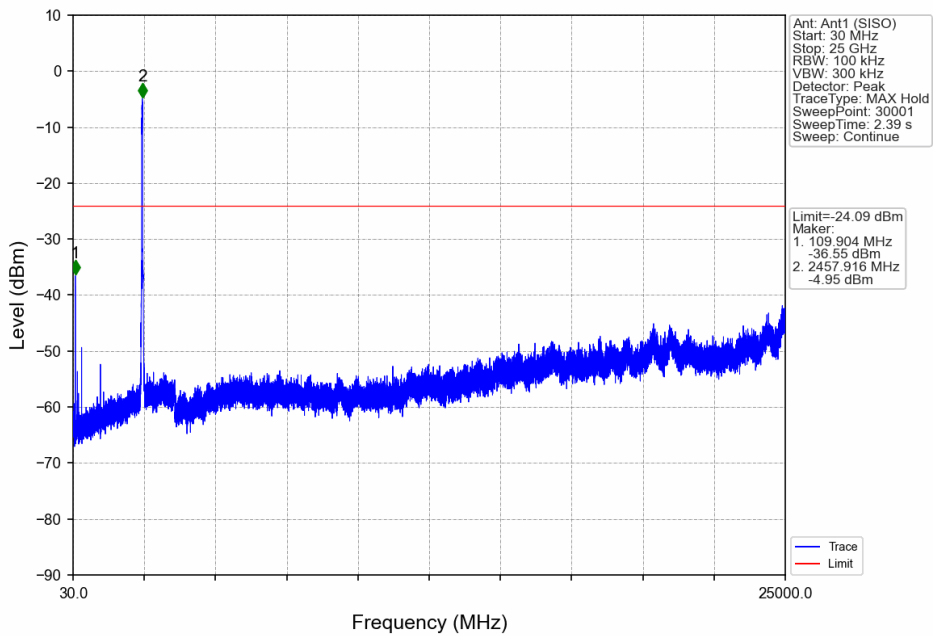




802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



## 6. Form731

## 6.1 Form731

## 6.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2412	2462	0.1104	20.43
2422	2452	0.0959	19.82



Test Report Number: BTF230810R00503



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**-- END OF REPORT --**