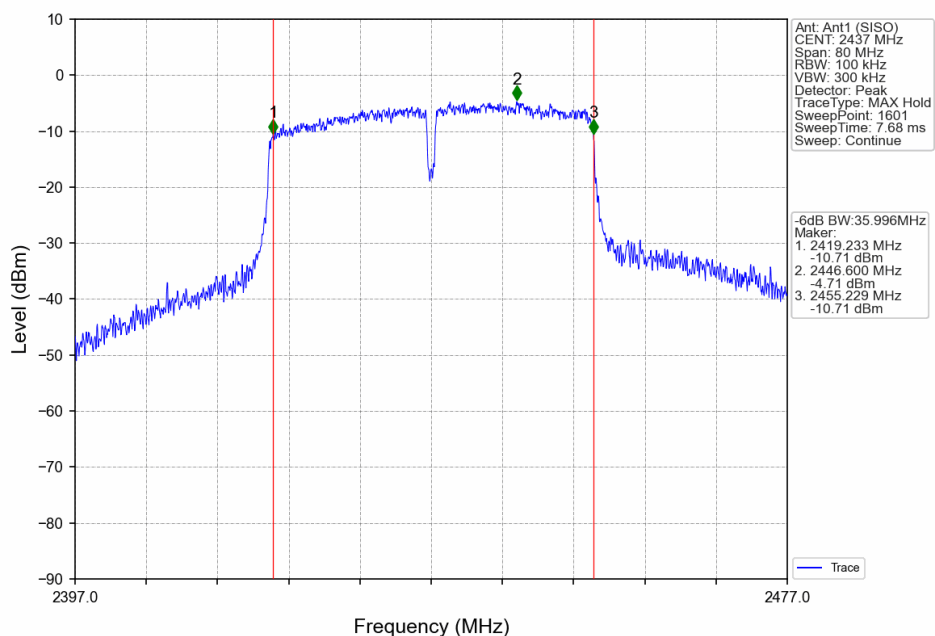
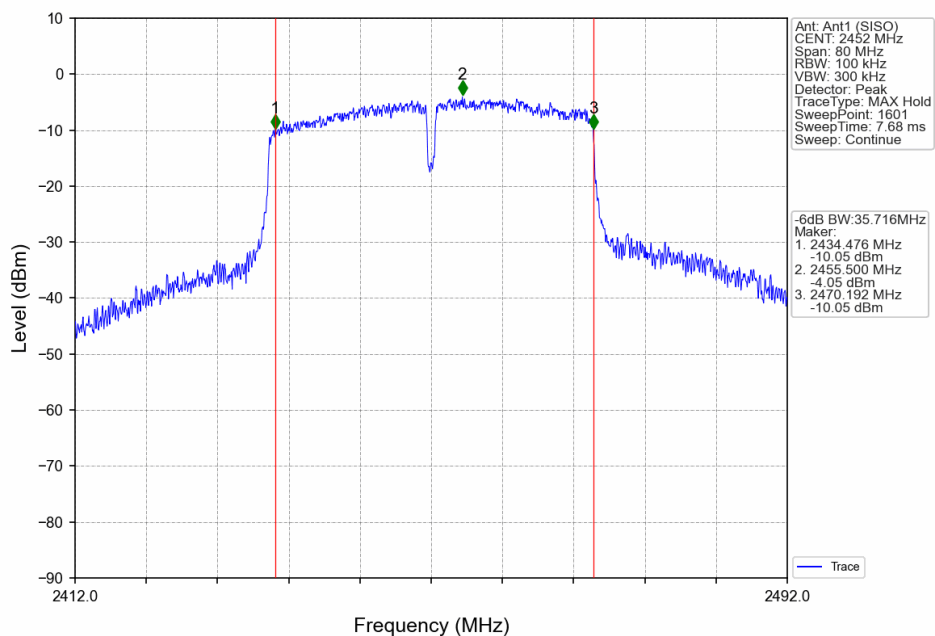


802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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

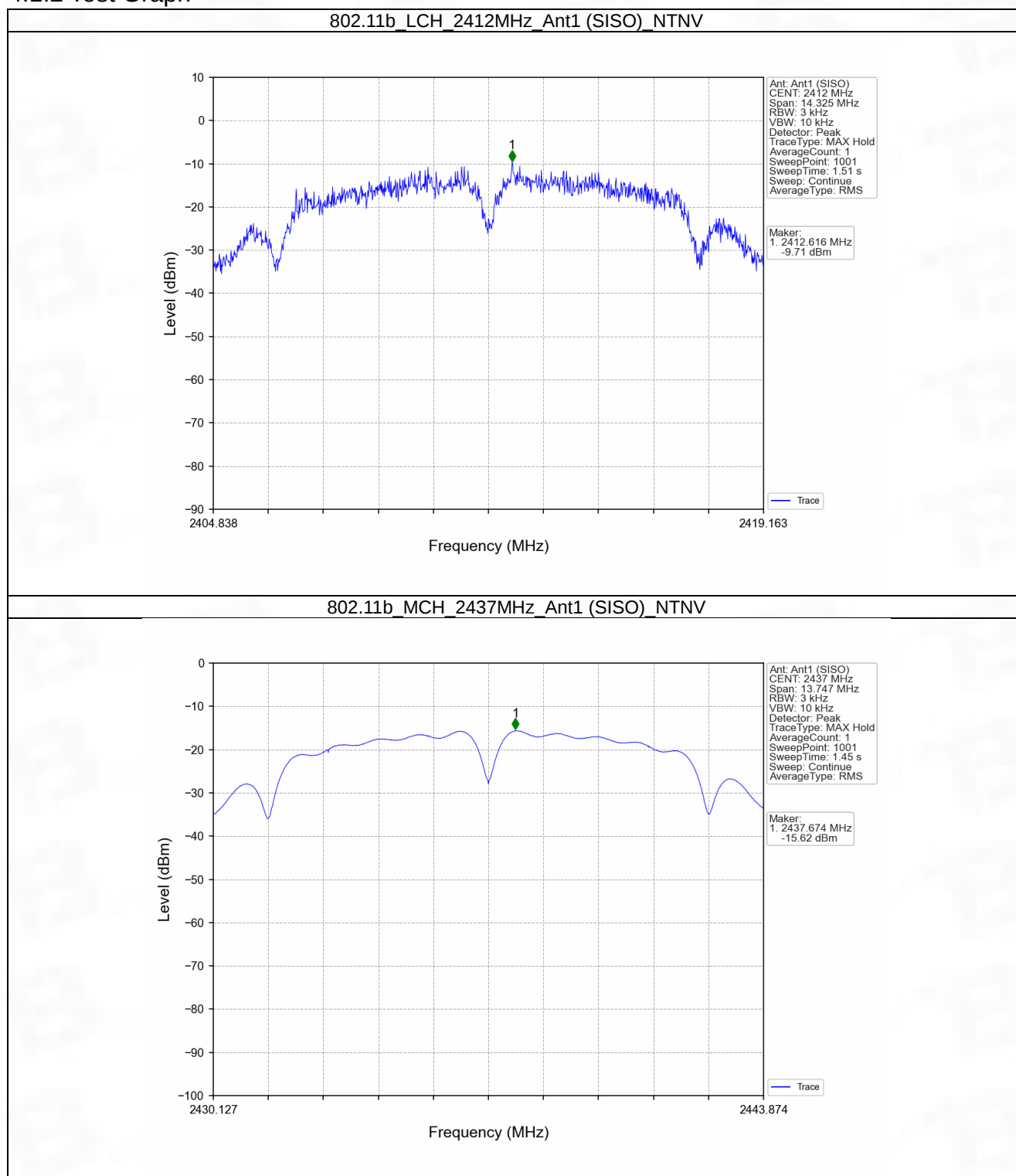
4.1 PSD

4.1.1 Test Result

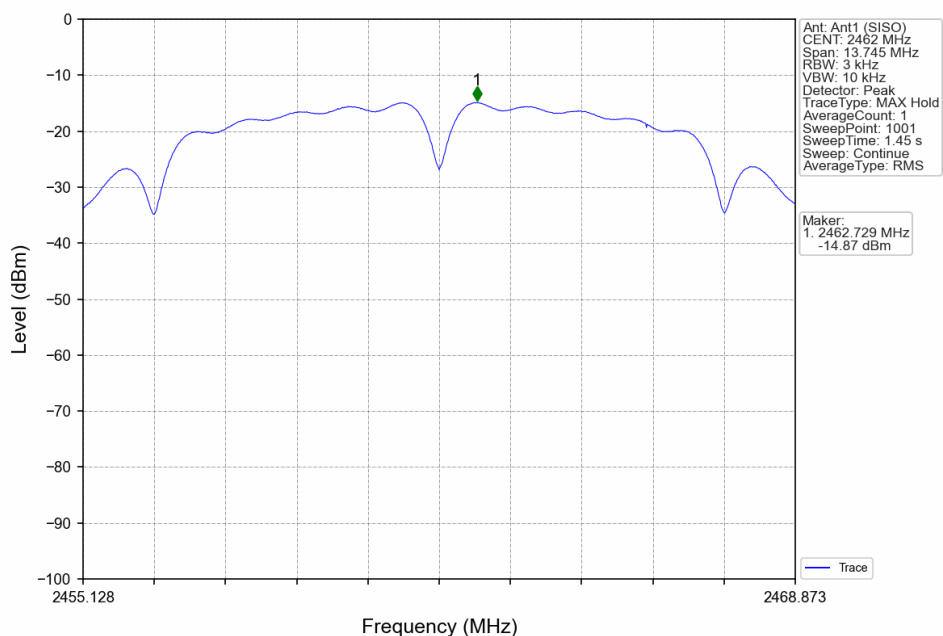
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-9.71	<=8	Pass
		2437	-15.62	<=8	Pass
		2462	-14.87	<=8	Pass
802.11g	SISO	2412	-15.55	<=8	Pass
		2437	-14.65	<=8	Pass
		2462	-14.14	<=8	Pass
802.11n (HT20)	SISO	2412	-16.16	<=8	Pass
		2437	-14.99	<=8	Pass
	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

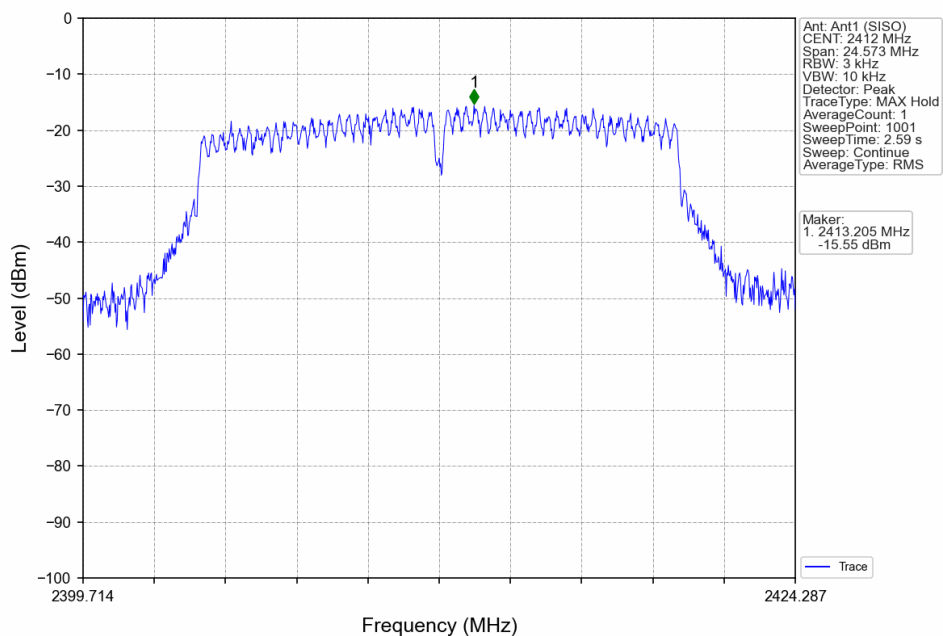
4.1.2 Test Graph



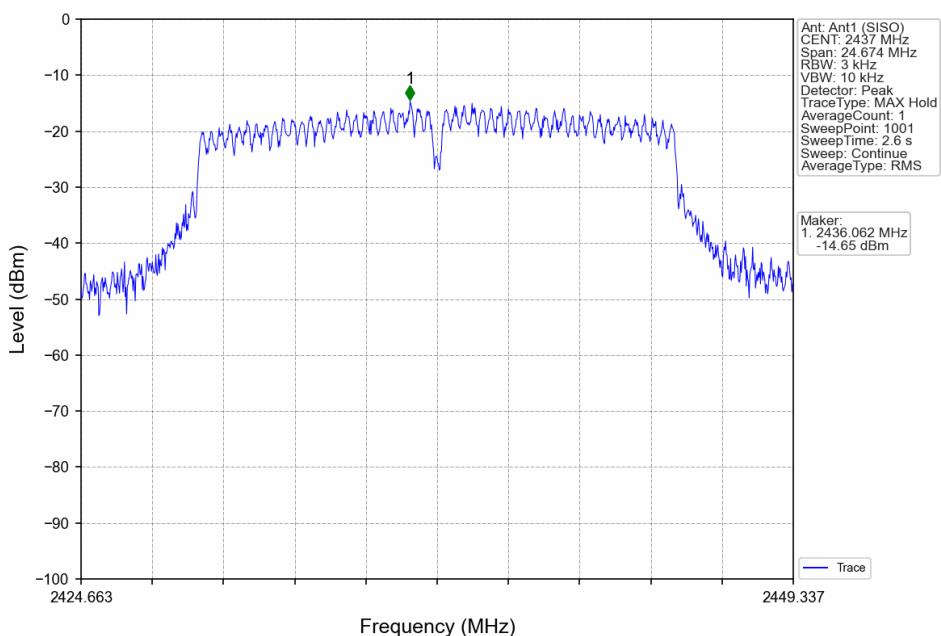
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



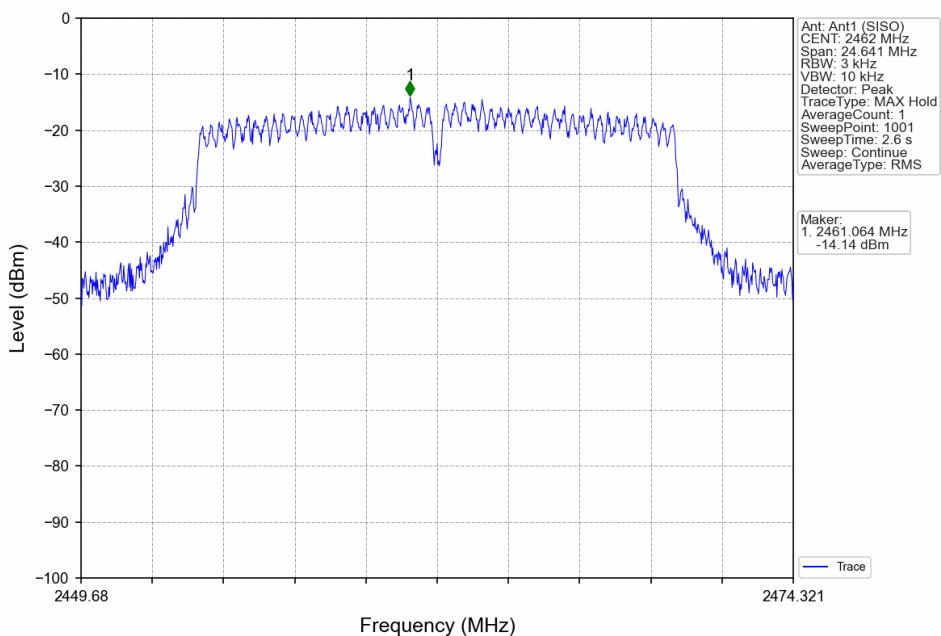
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



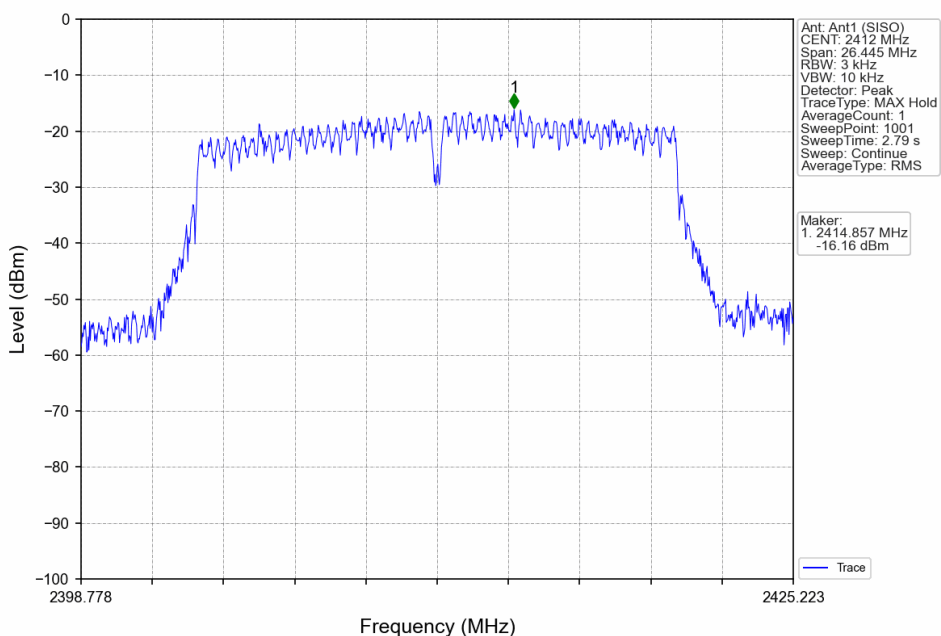
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



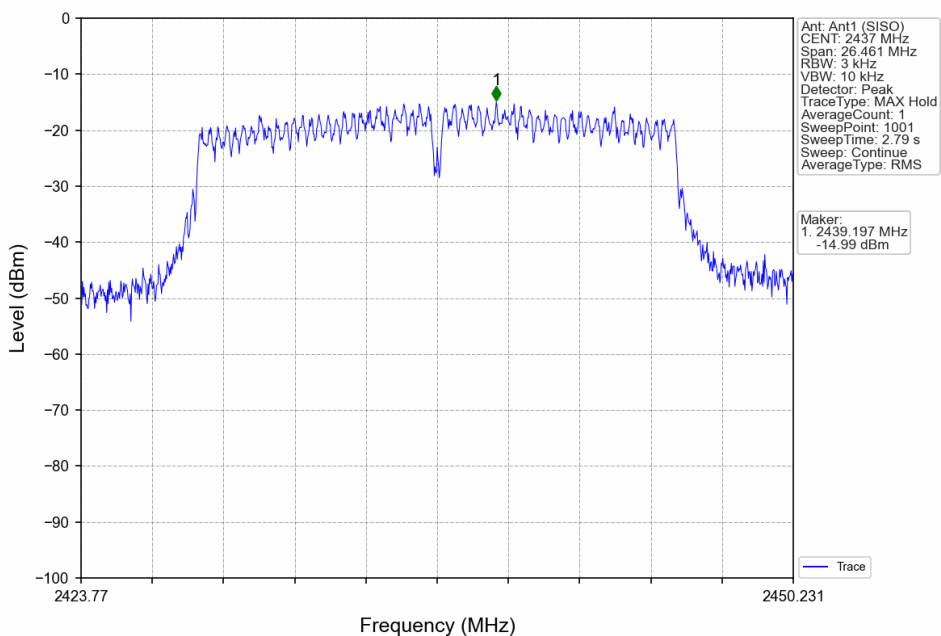
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



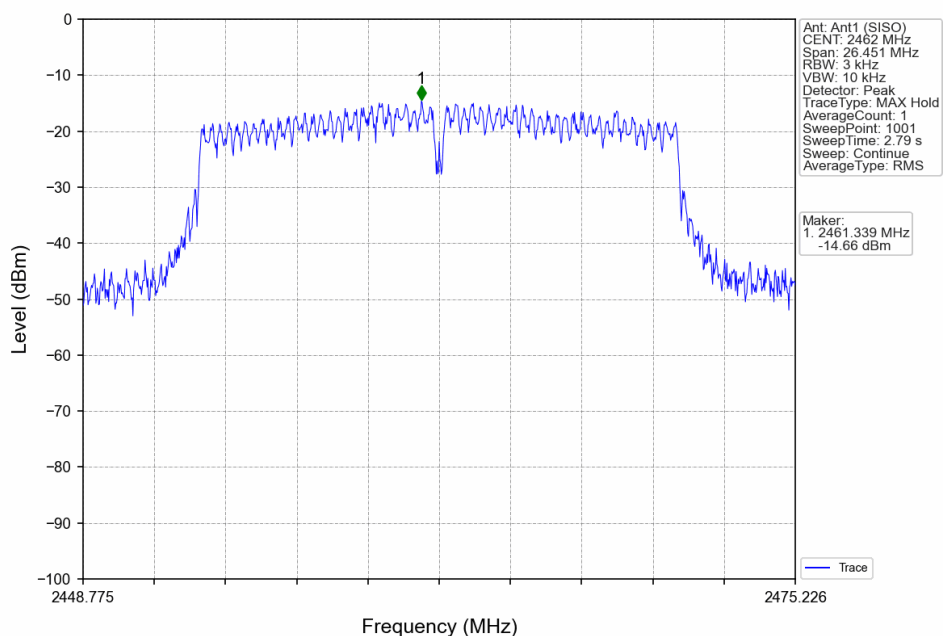
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



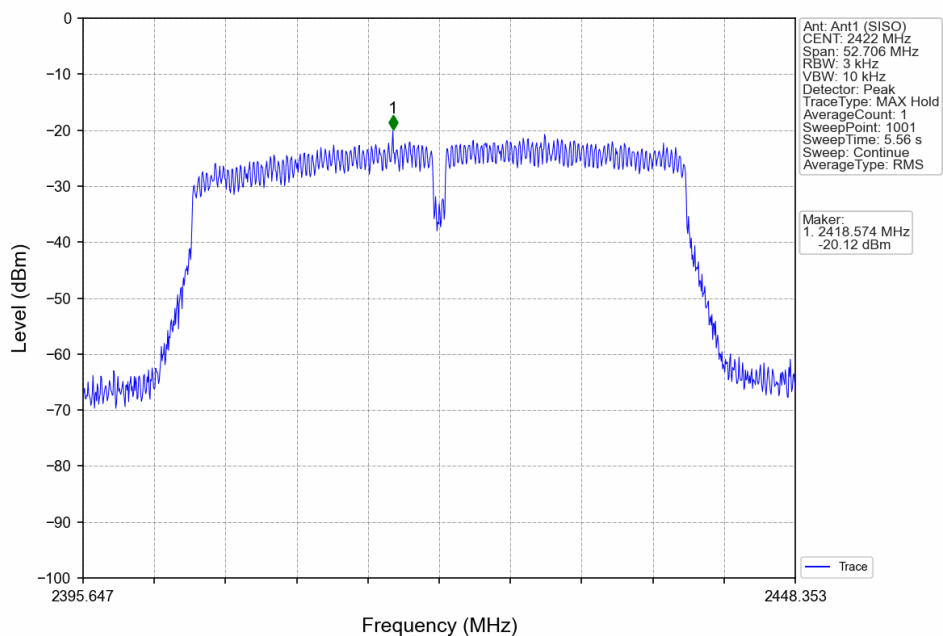
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



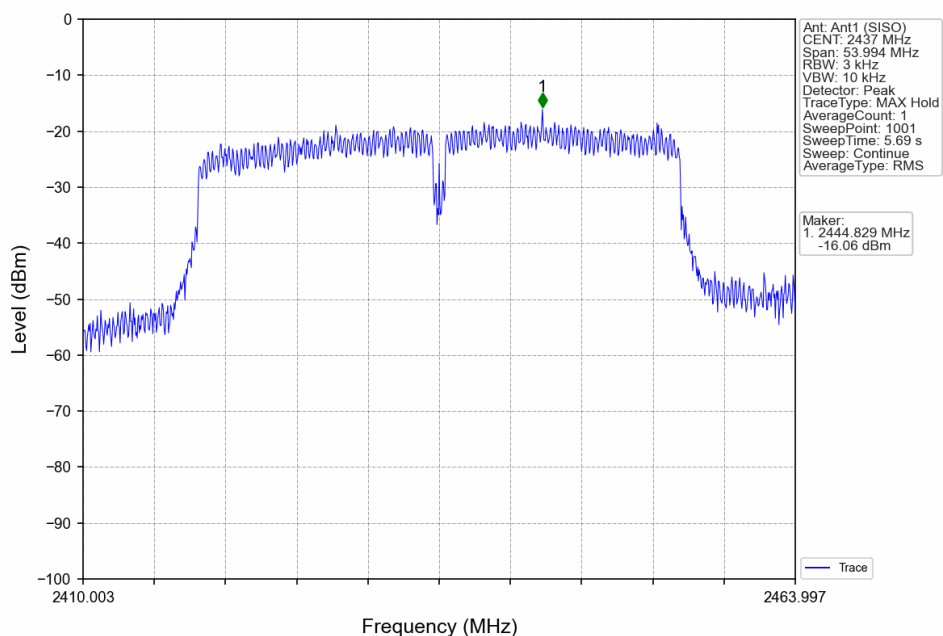
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



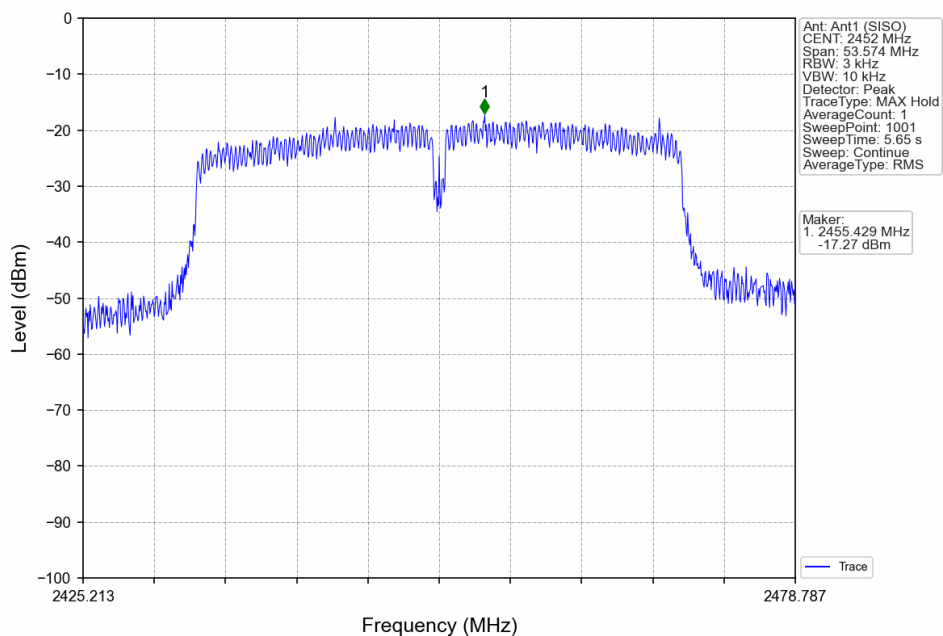
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

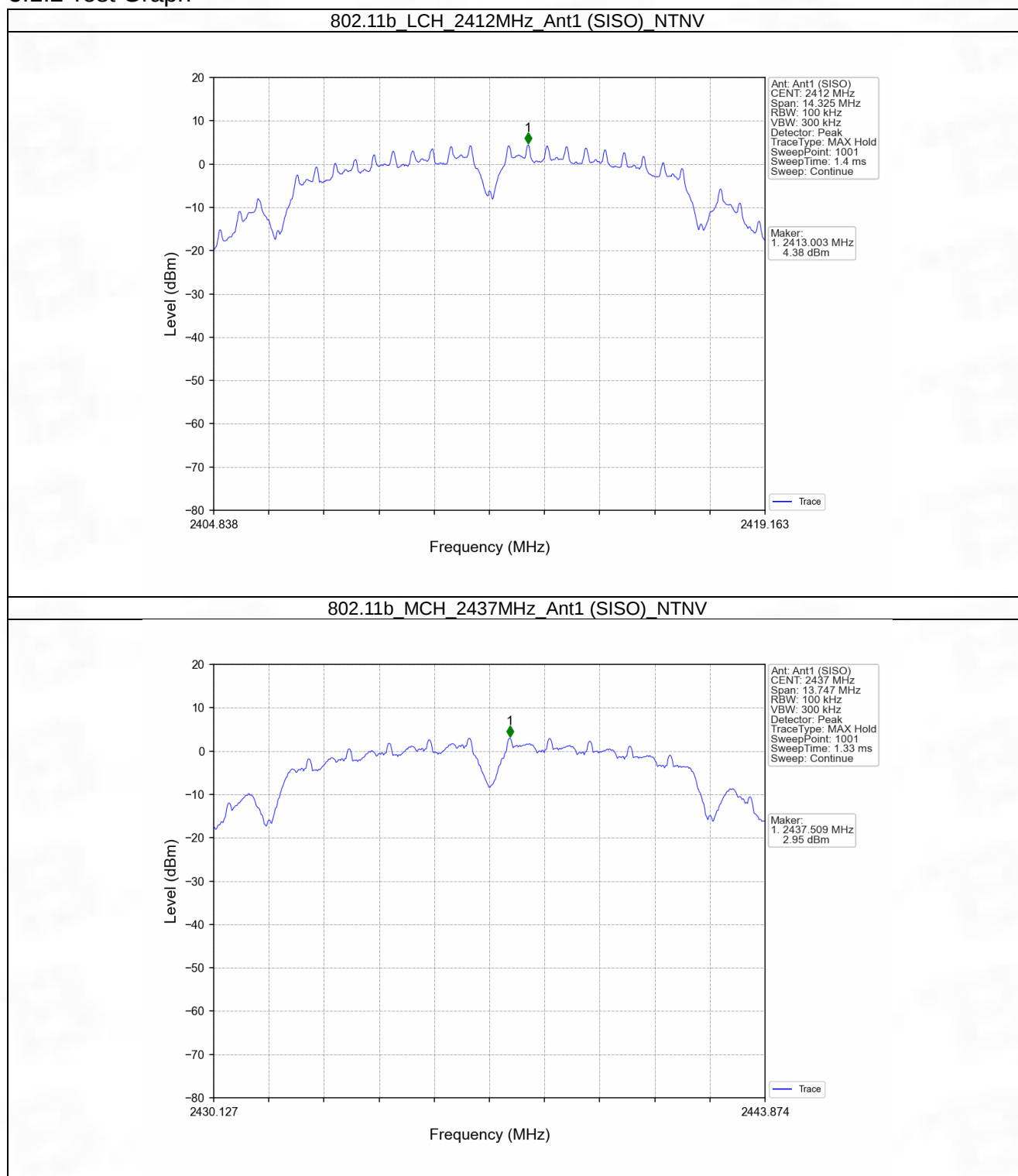
5.1 Ref

5.1.1 Test Result

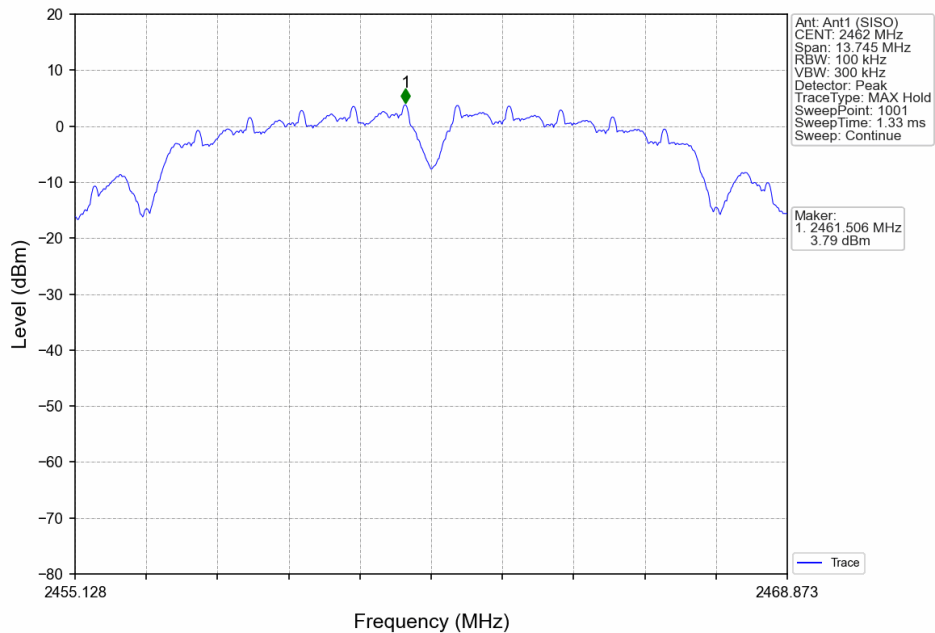
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	4.38
		2437	1	2.95
		2462	1	3.79
802.11g	SISO	2412	1	-0.79
		2437	1	-0.73
		2462	1	-0.53
802.11n (HT20)	SISO	2412	1	-2.07
		2437	1	-1.03
		2462	1	-0.42
802.11n (HT40)	SISO	2422	1	-7.48
		2437	1	-4.67
		2452	1	-4.09

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.

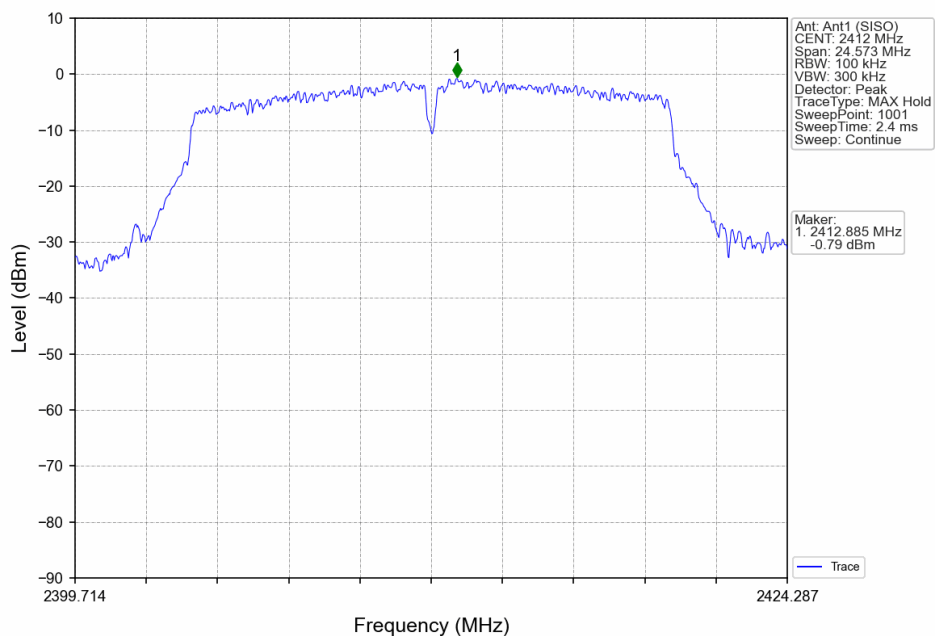
5.1.2 Test Graph



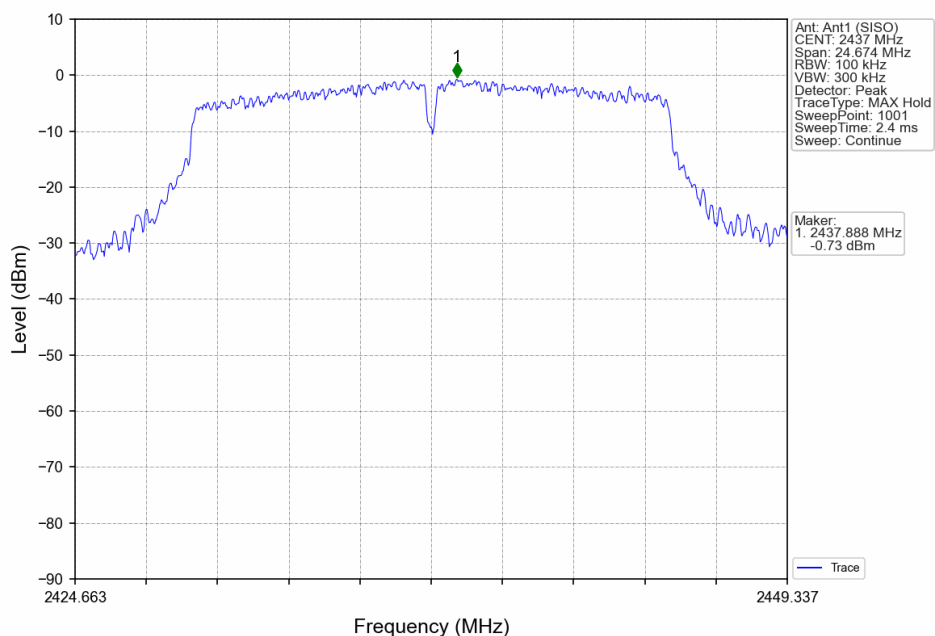
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



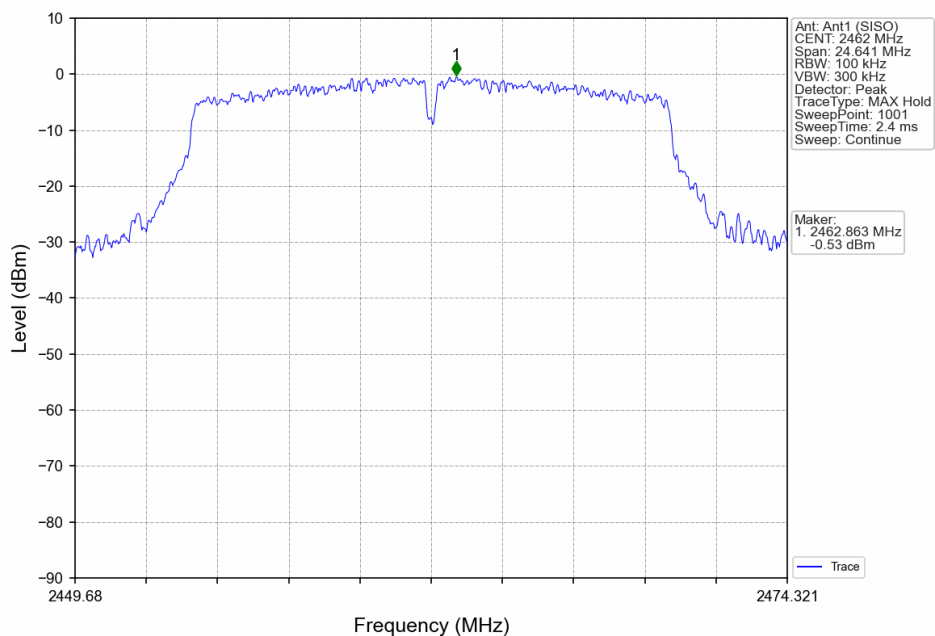
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



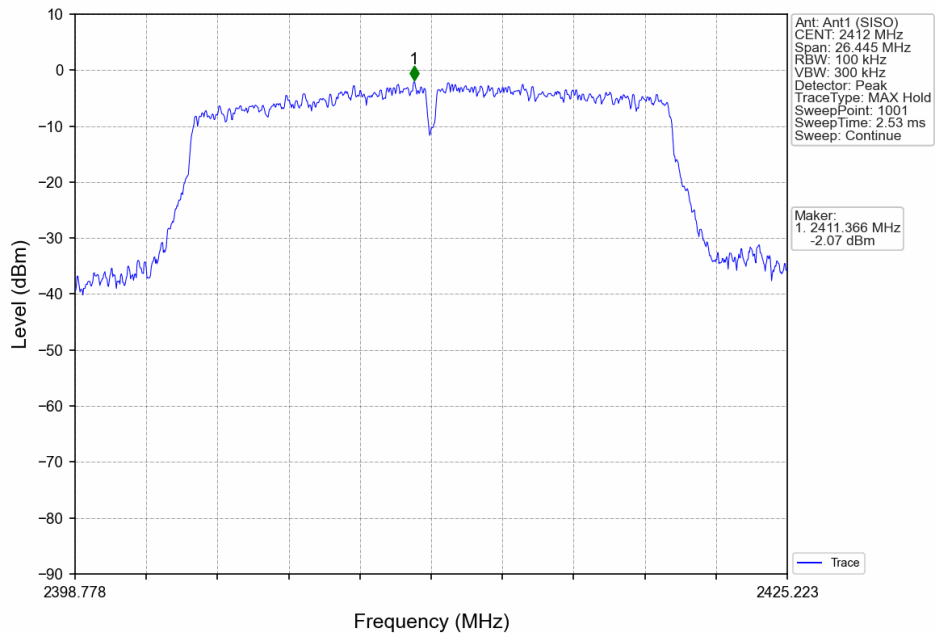
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



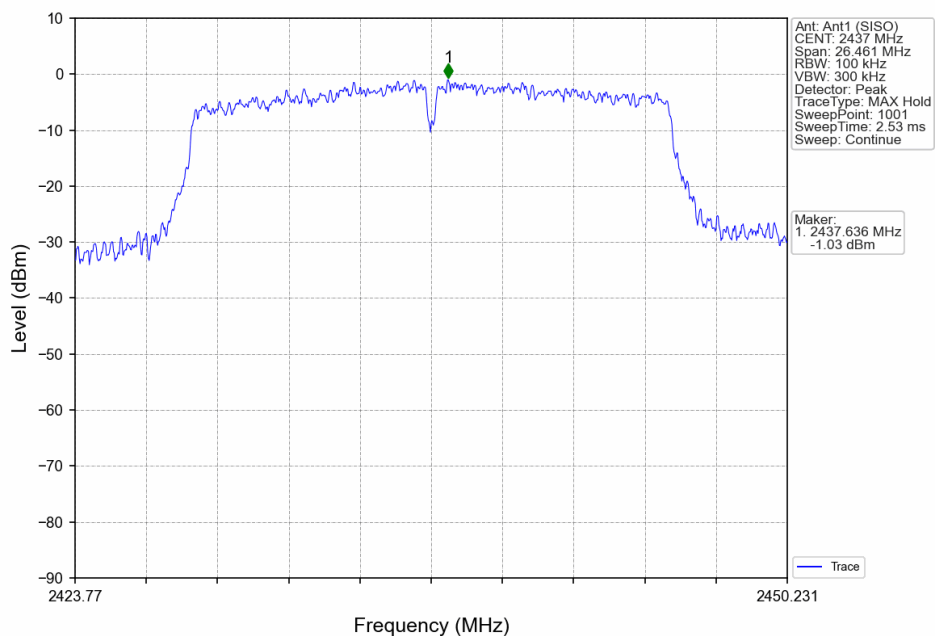
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



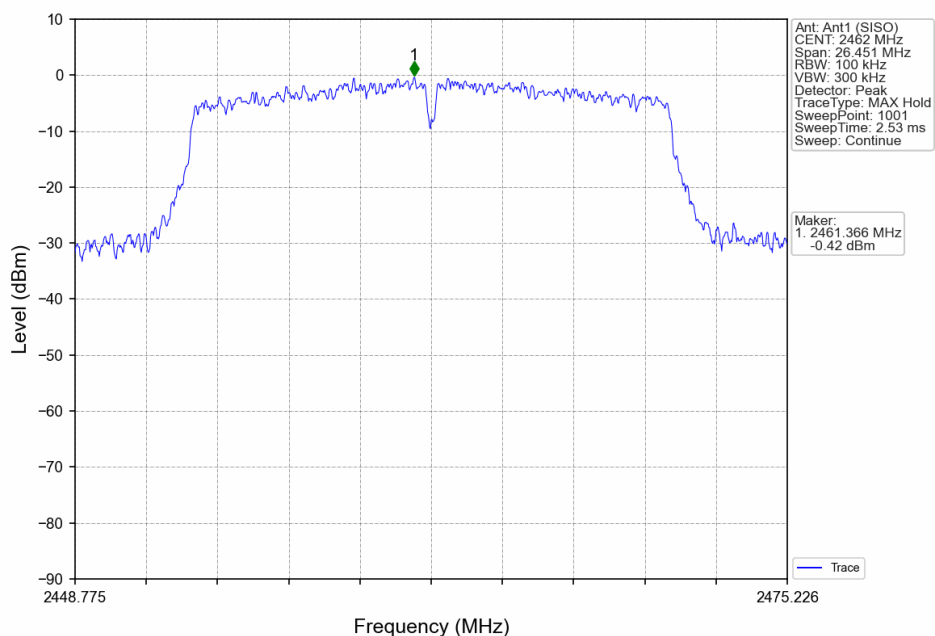
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



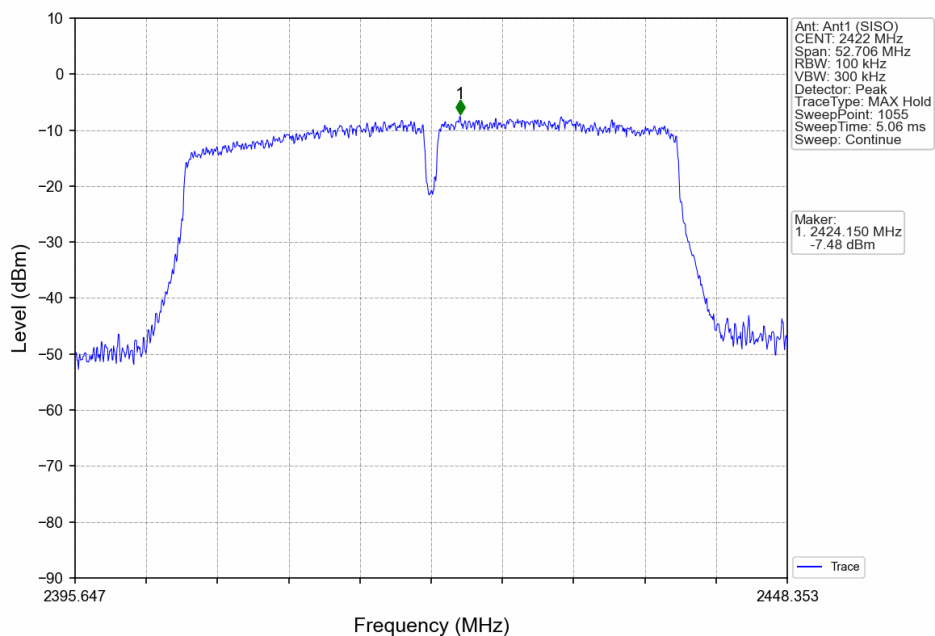
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



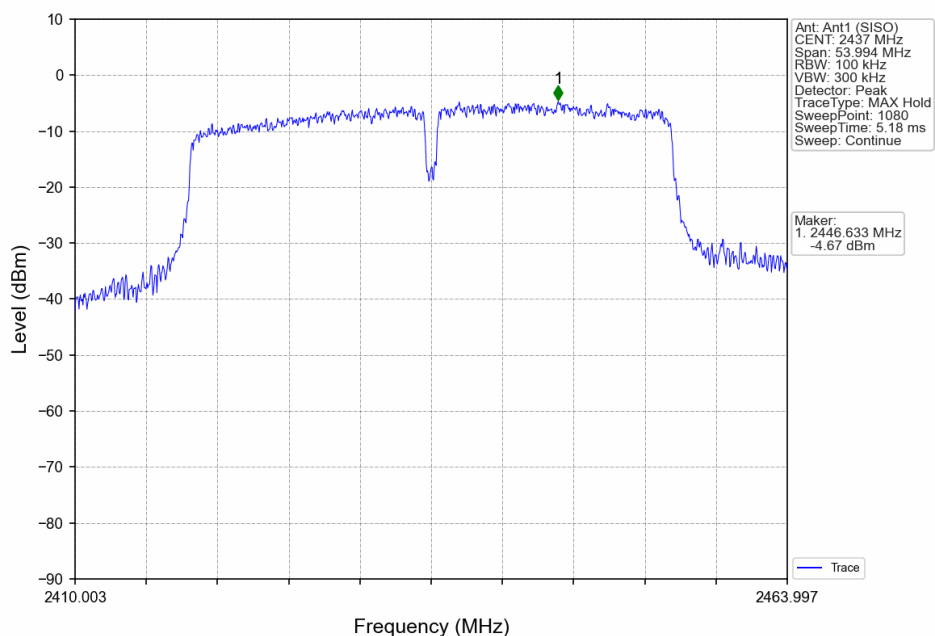
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



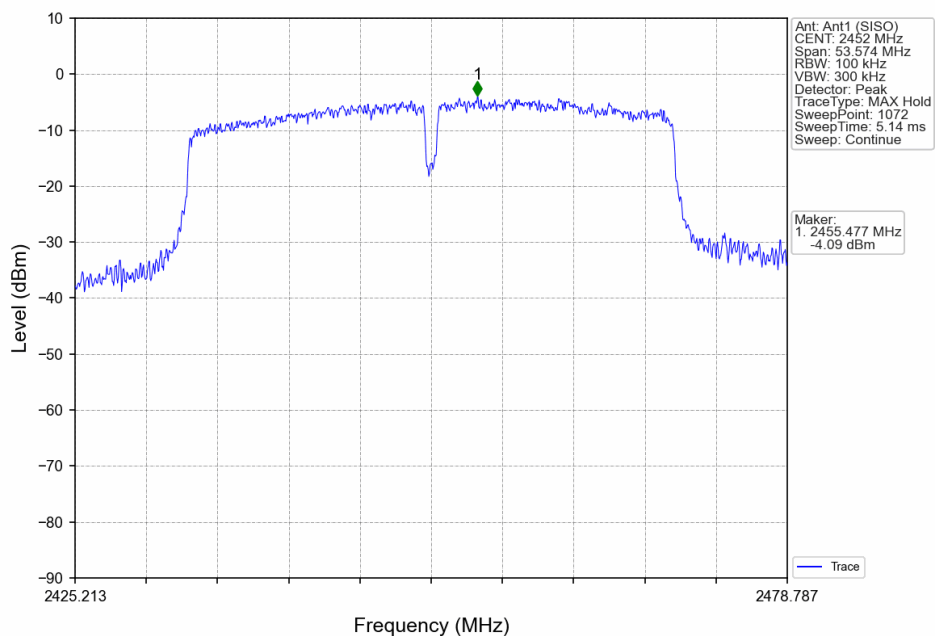
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



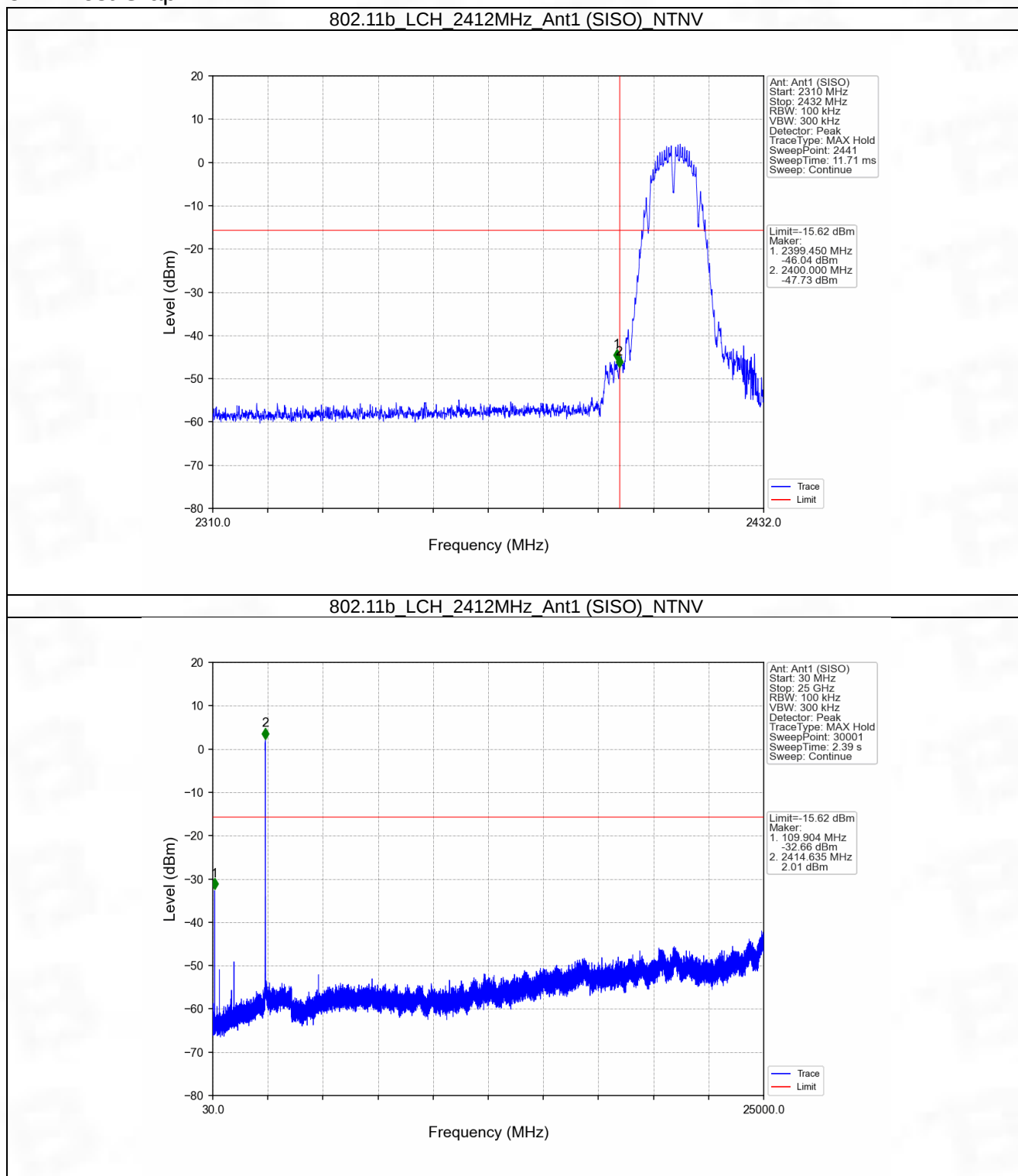
5.2 CSE

5.2.1 Test Result

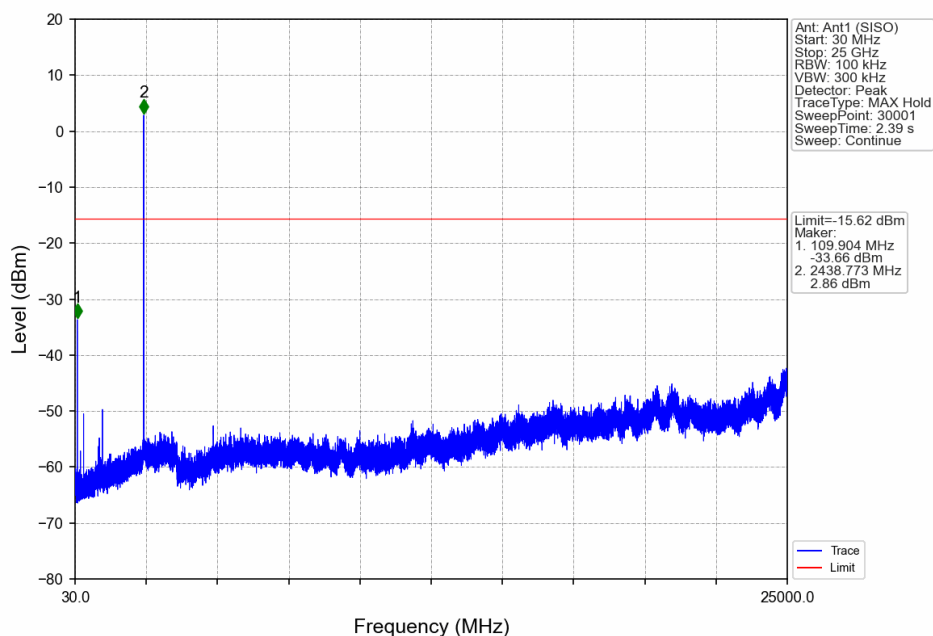
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	4.38	-15.62	Pass
		2437	1	4.38	-15.62	Pass
		2462	1	4.38	-15.62	Pass
802.11g	SISO	2412	1	-0.53	-20.53	Pass
		2437	1	-0.53	-20.53	Pass
		2462	1	-0.53	-20.53	Pass
802.11n (HT20)	SISO	2412	1	-0.42	-20.42	Pass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

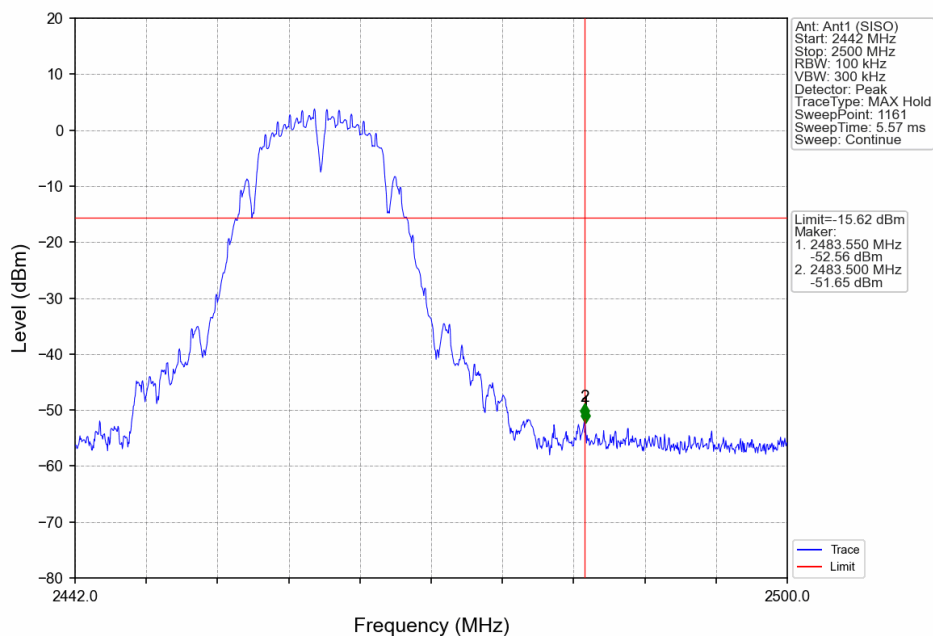
5.2.2 Test Graph



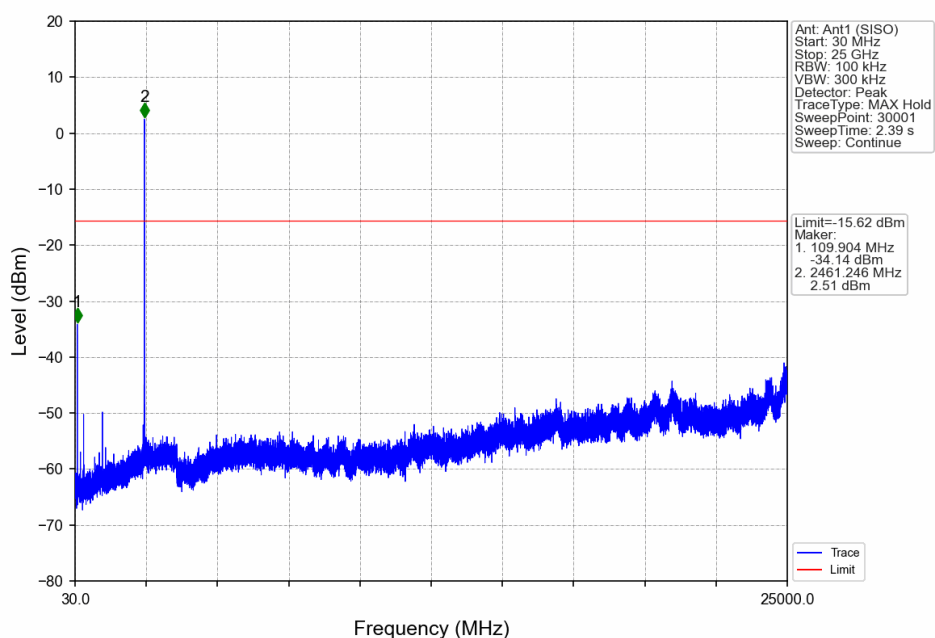
802.11b MCH 2437MHz_Ant1 (SISO)_NTNV



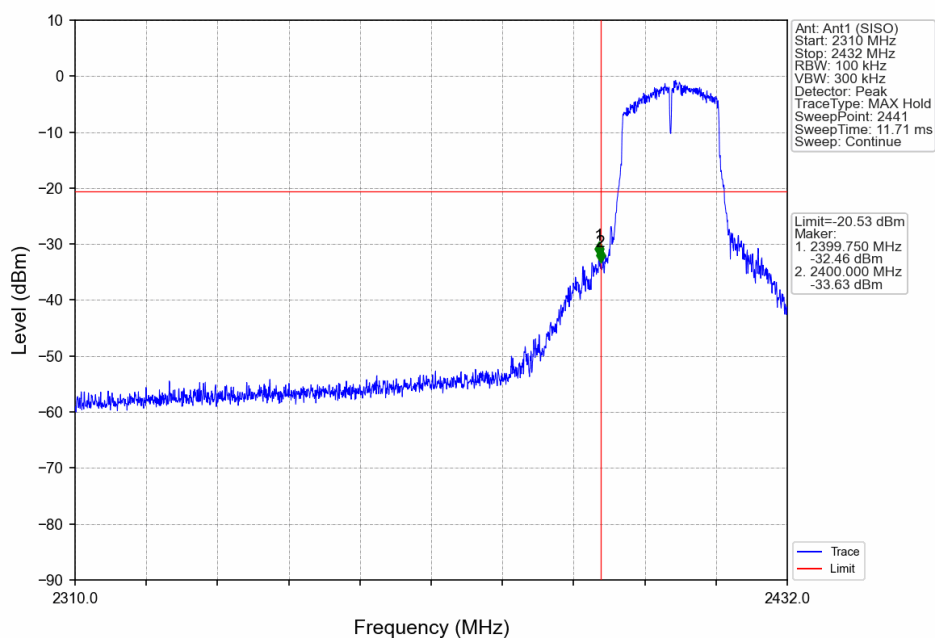
802.11b HCH 2462MHz_Ant1 (SISO)_NTNV



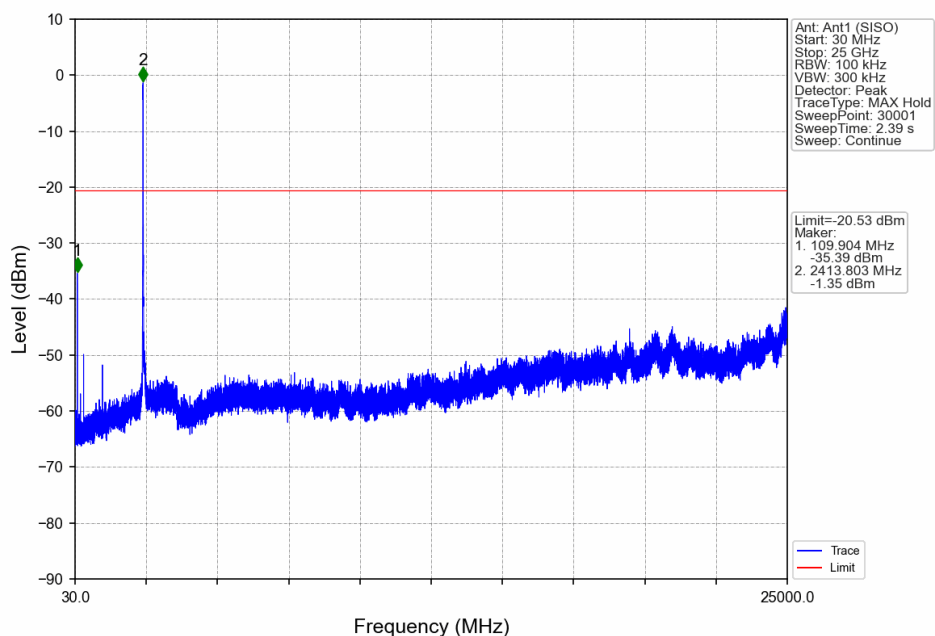
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



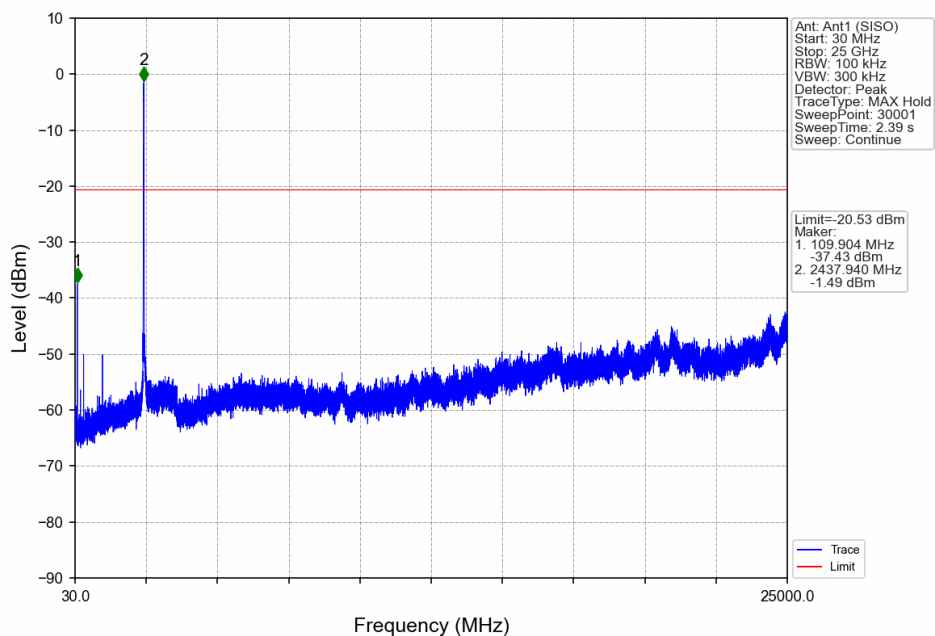
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



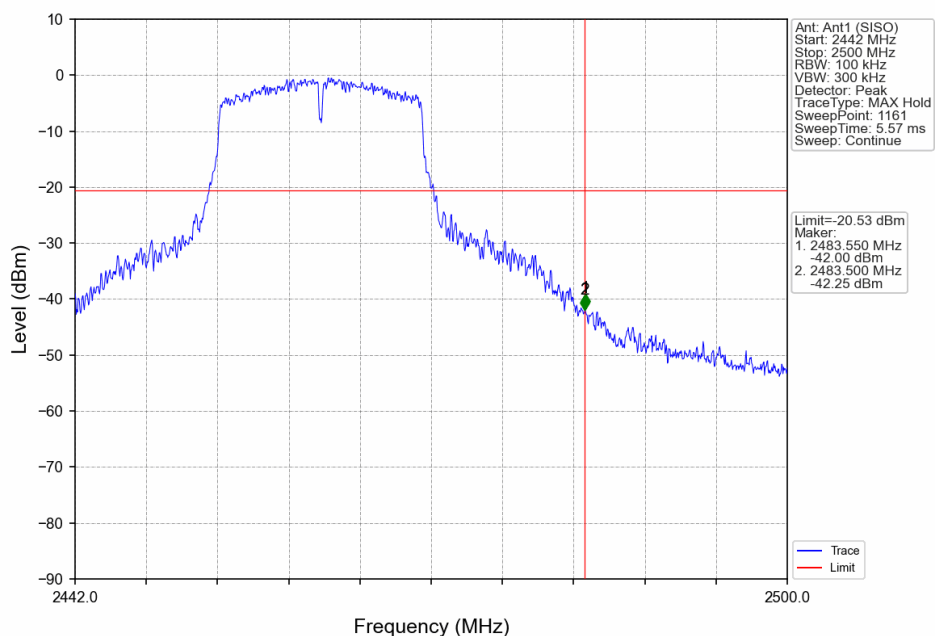
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



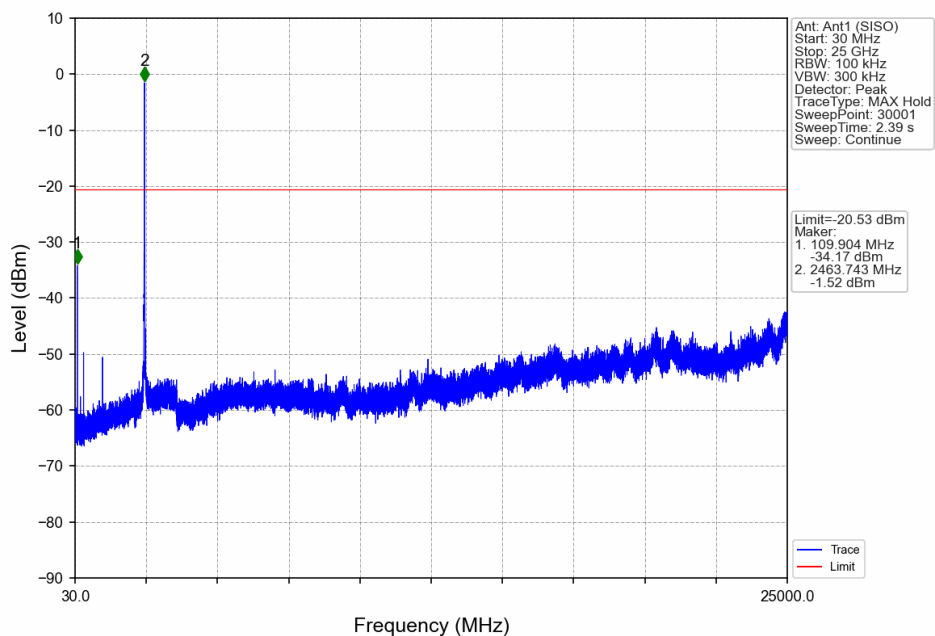
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



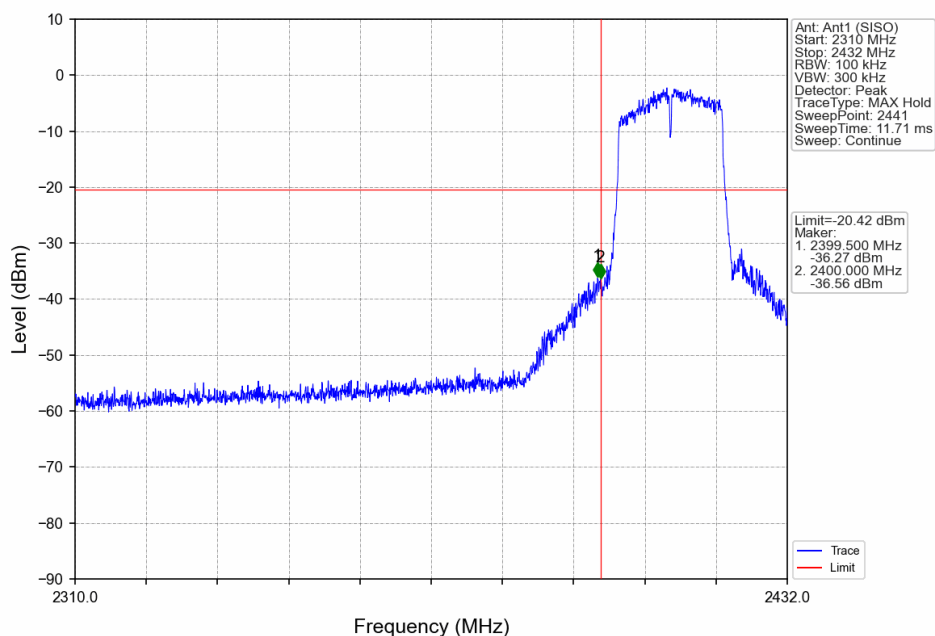
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



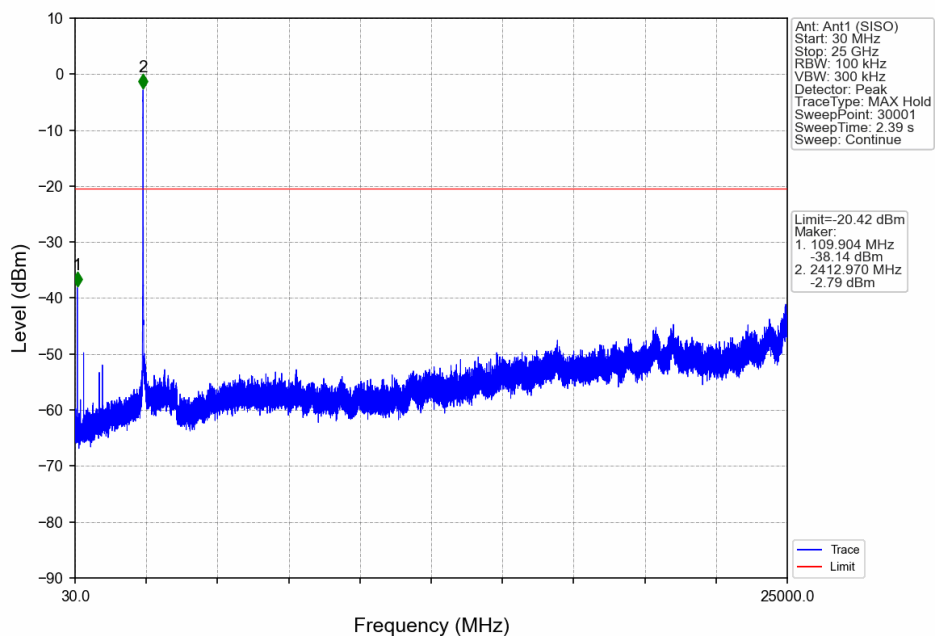
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



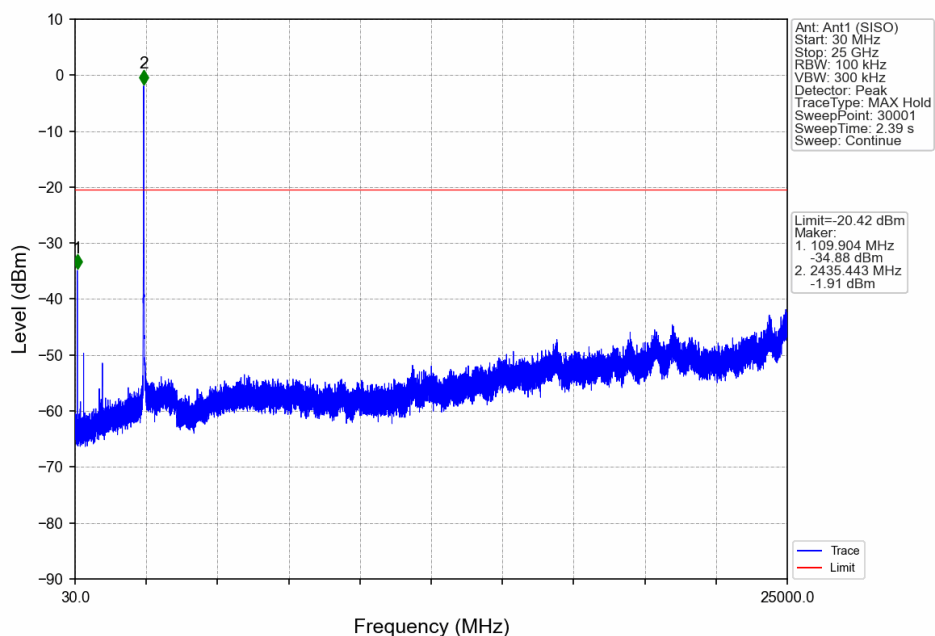
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



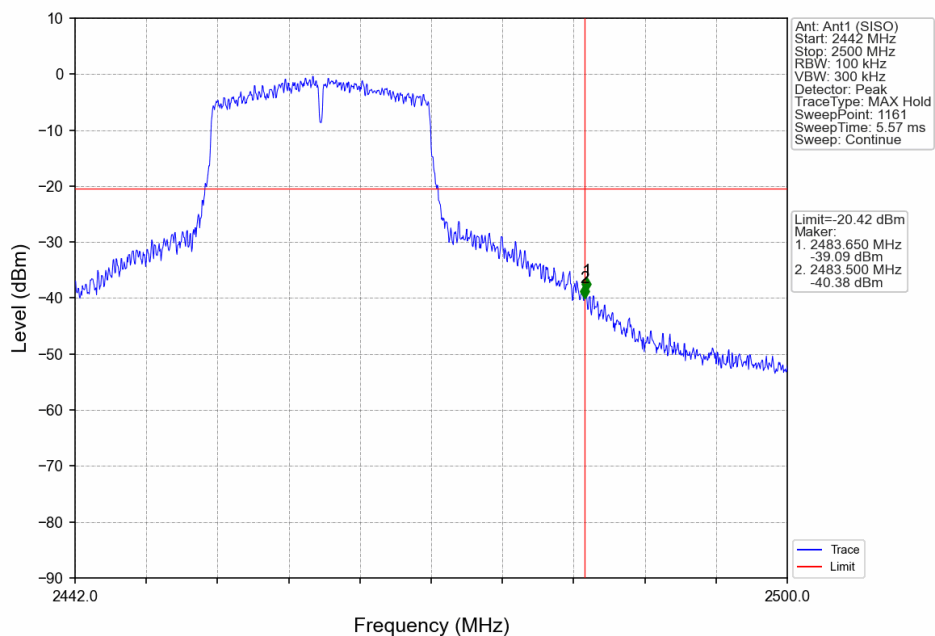
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



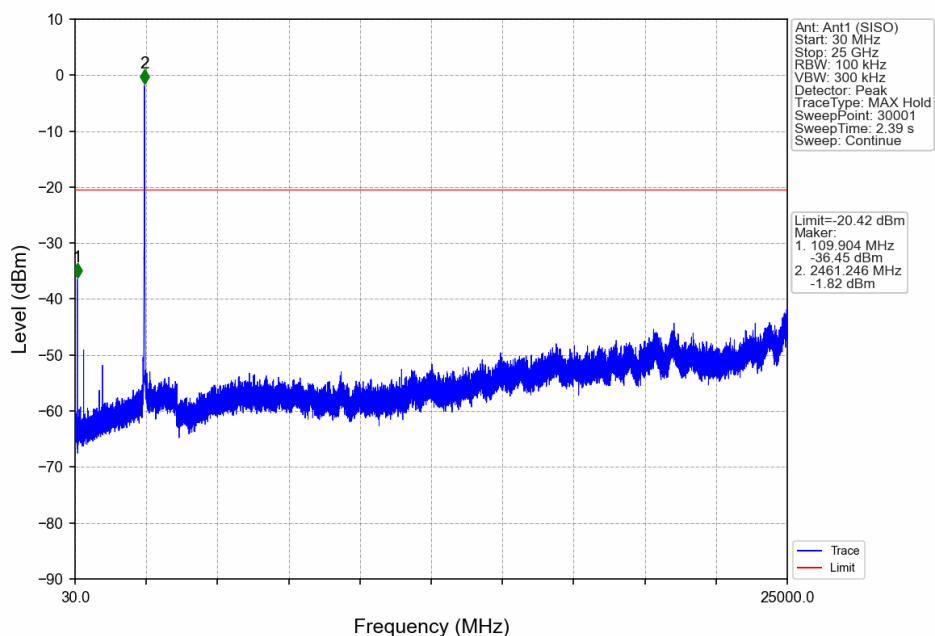
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



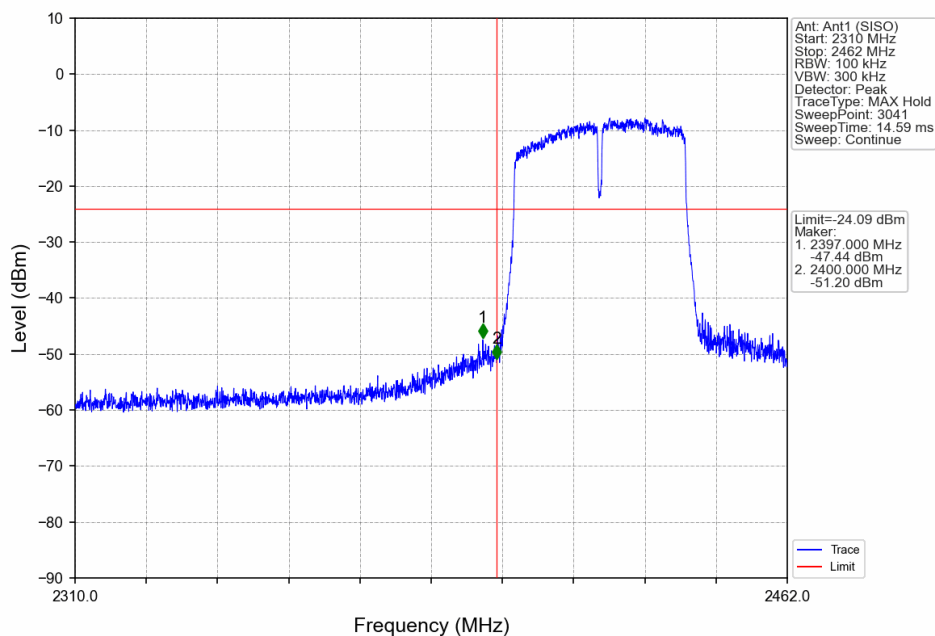
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



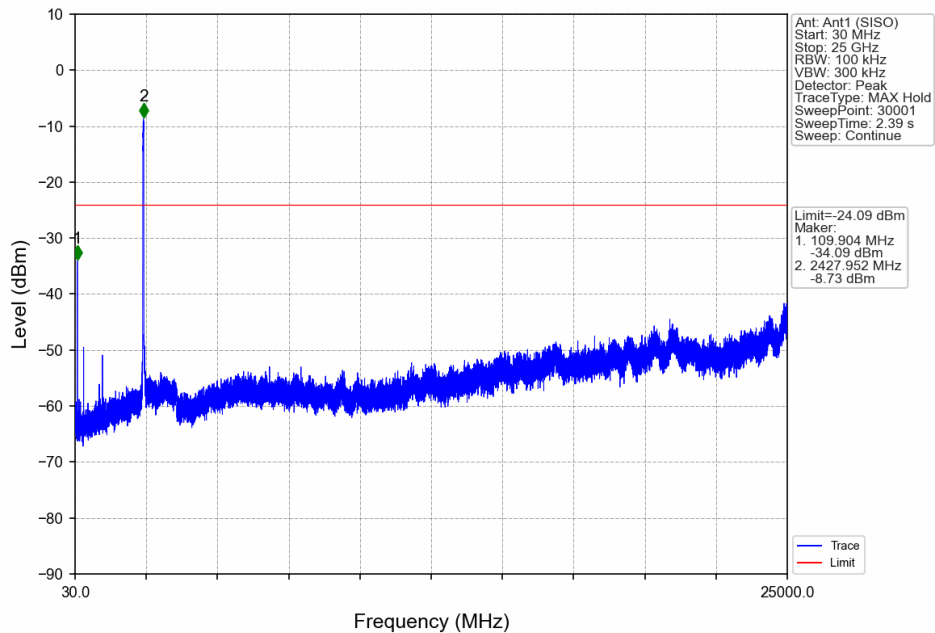
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



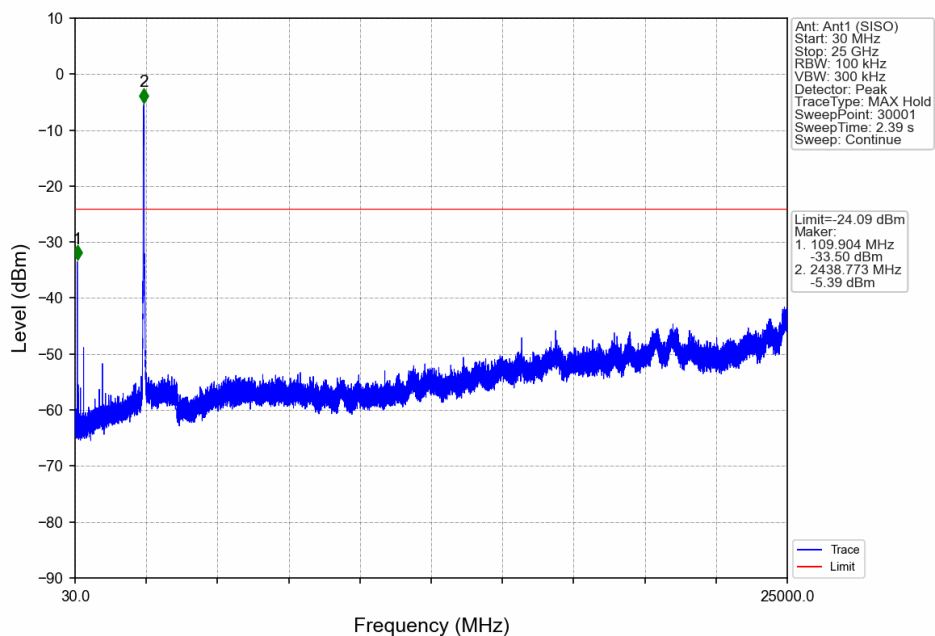
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



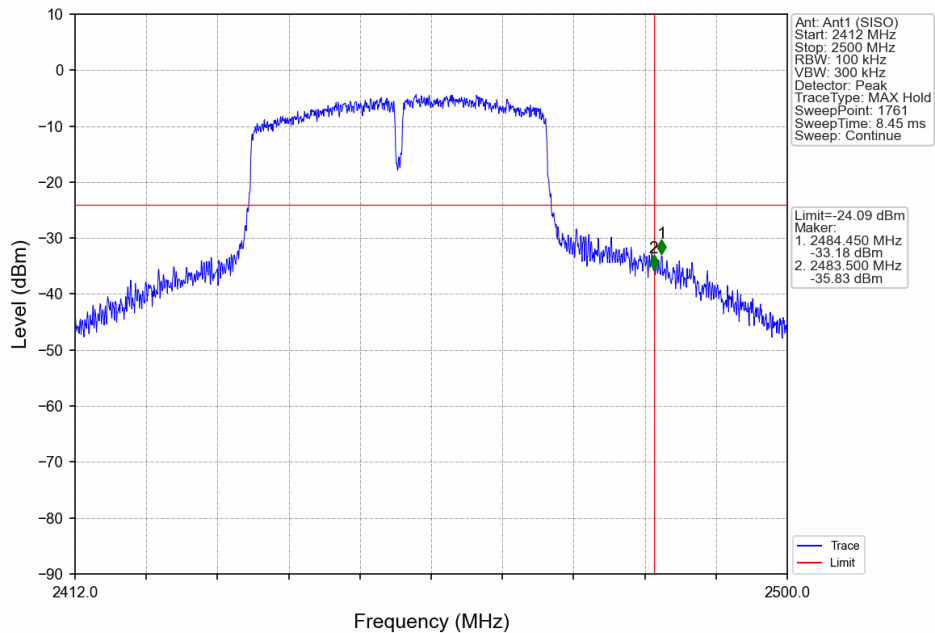
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



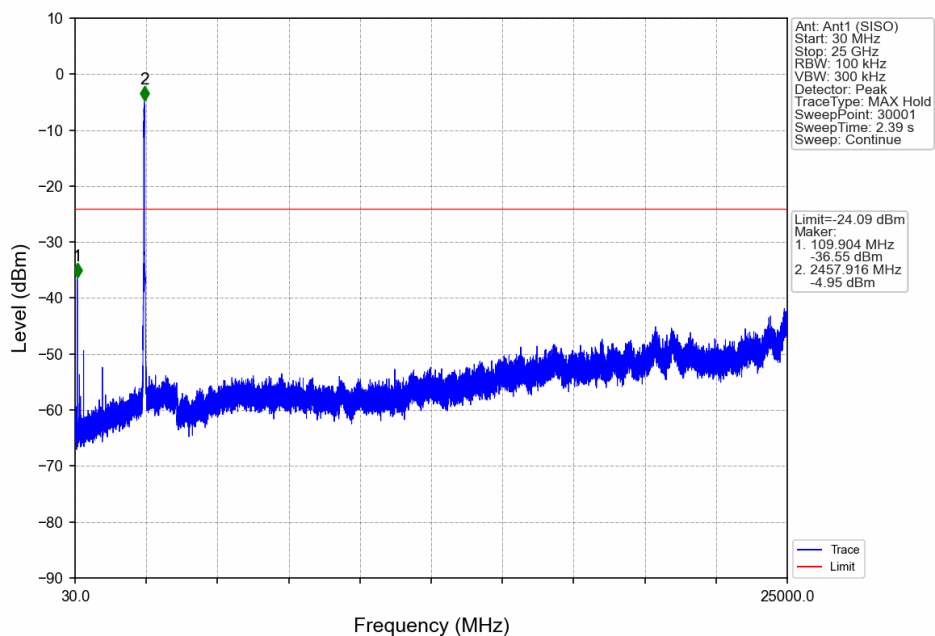
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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



BTF Testing Lab (Shenzhen) Co., Ltd.

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www.btf-lab.com

-- END OF REPORT --