

1. Duty Cycle

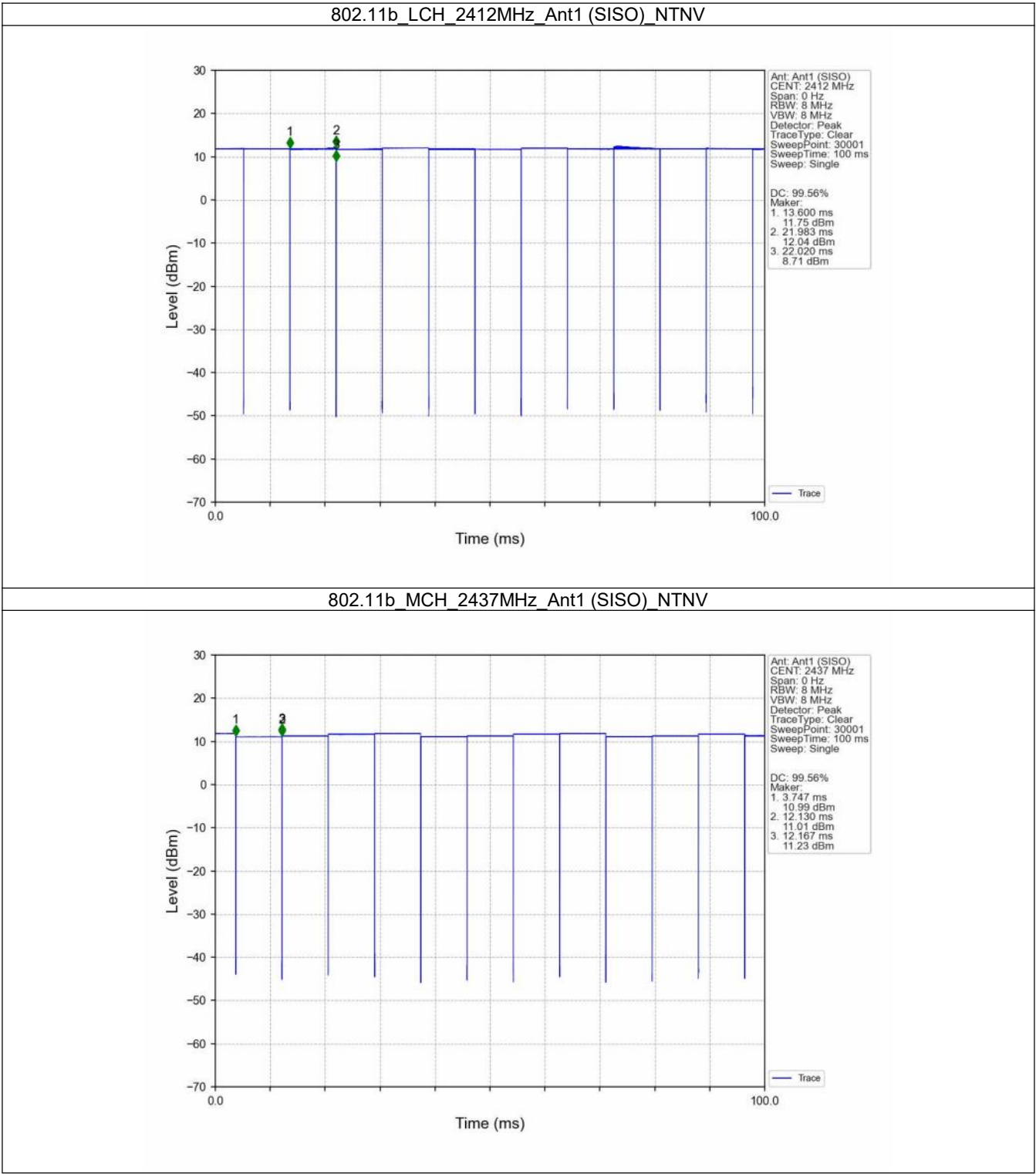
1.1 Test Result

1.1.1 Ant1

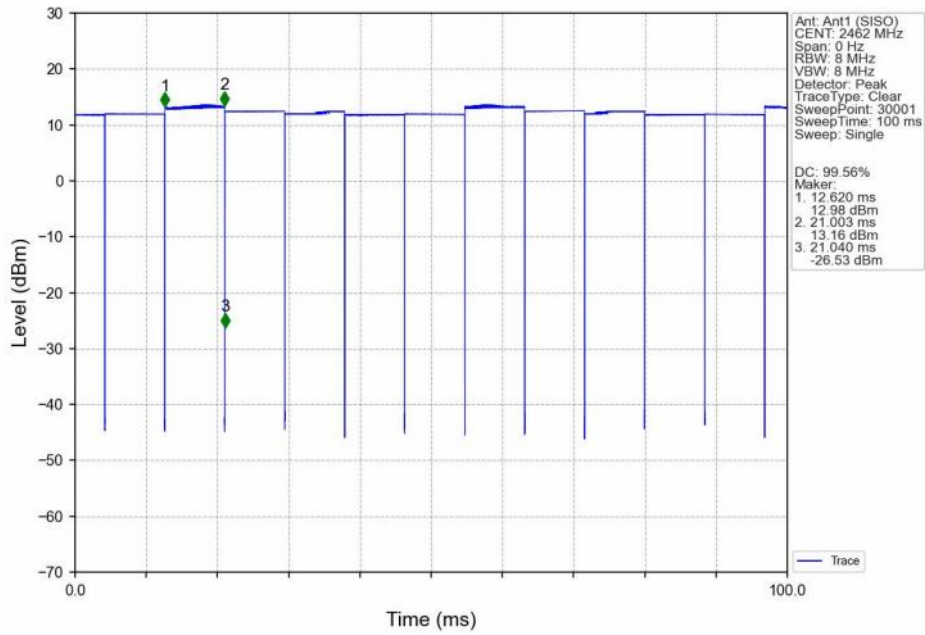
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.383	8.420	99.56	0.02	0.04
		2437	8.383	8.420	99.56	0.02	0.04
		2462	8.383	8.420	99.56	0.02	0.04
802.11g	SISO	2412	1.394	1.436	97.08	0.13	0.00
		2437	1.393	1.436	97.01	0.13	0.03
		2462	1.394	1.436	97.08	0.13	0.00
802.11n (HT20)	SISO	2412	1.302	1.344	96.88	0.14	0.03
		2437	1.302	1.344	96.88	0.14	0.03
		2462	1.302	1.344	96.88	0.14	0.03

1.2 Test Graph

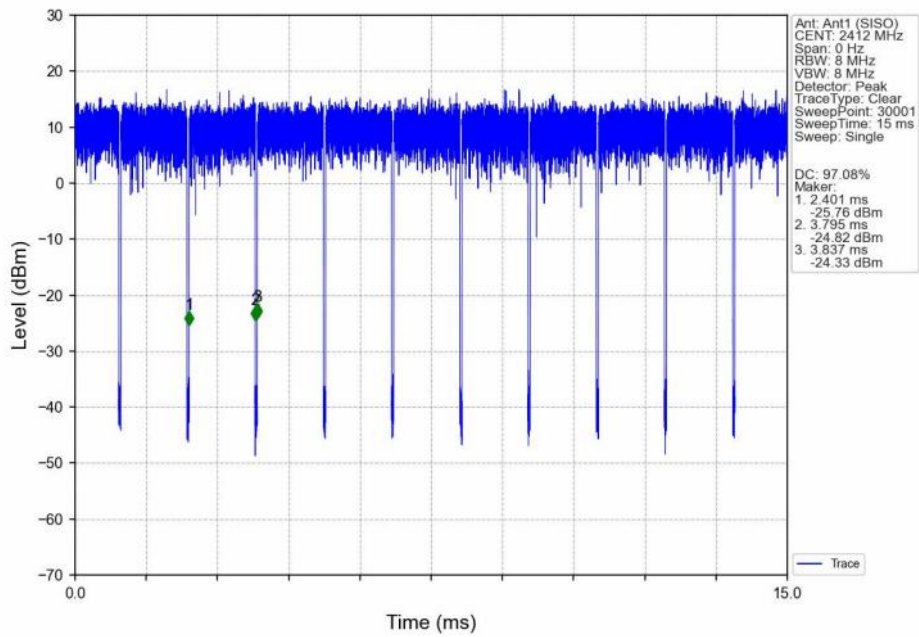
1.2.1 Ant1



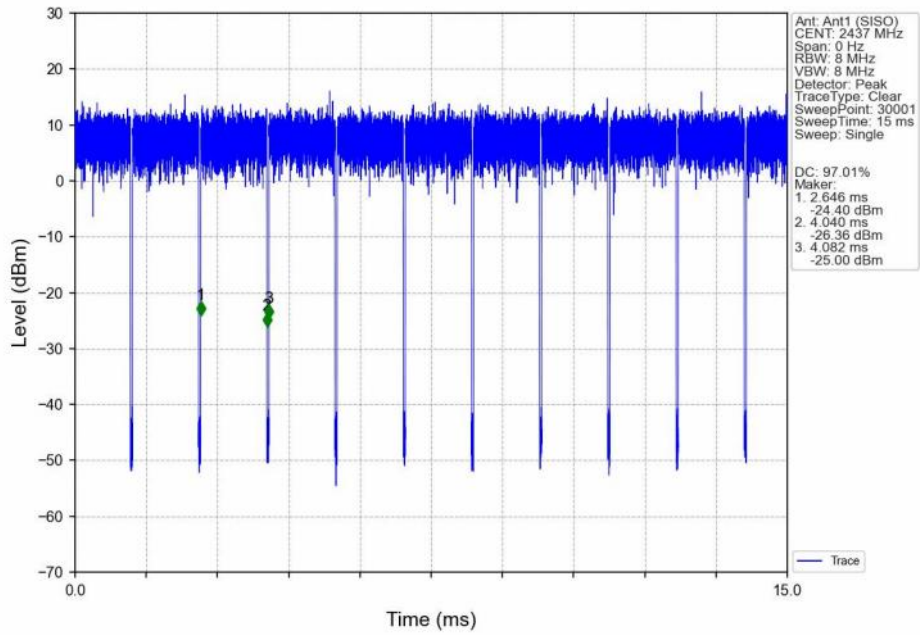
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



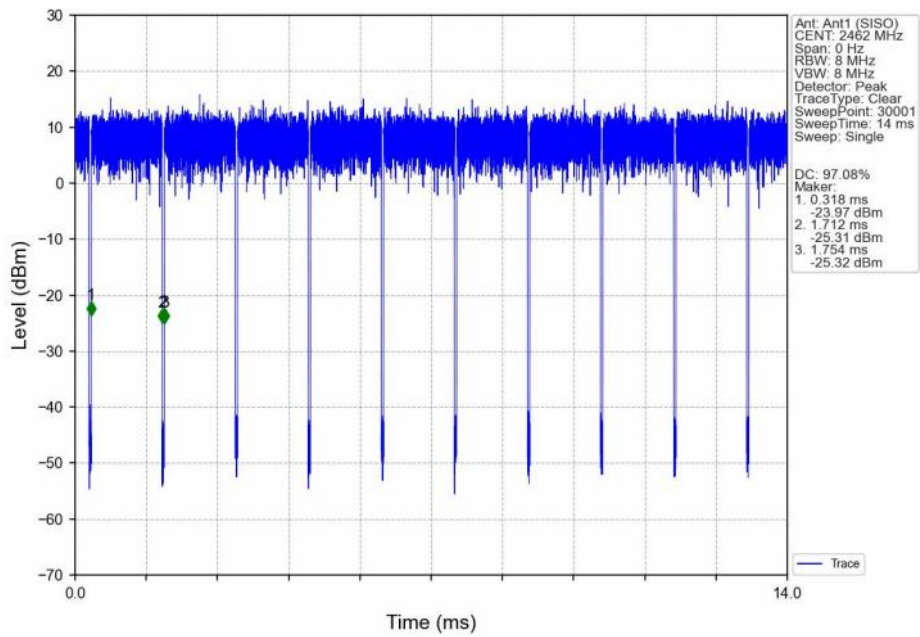
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



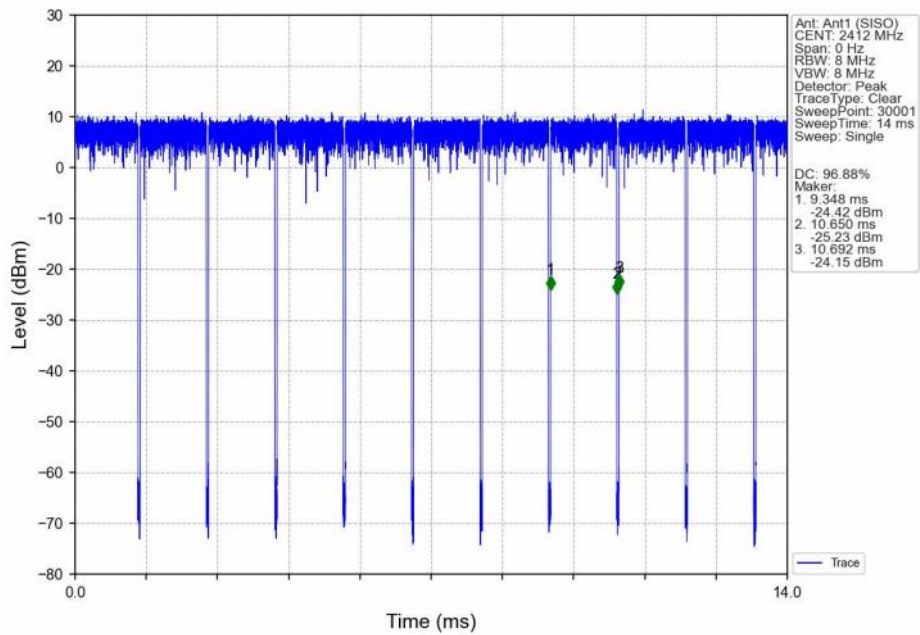
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



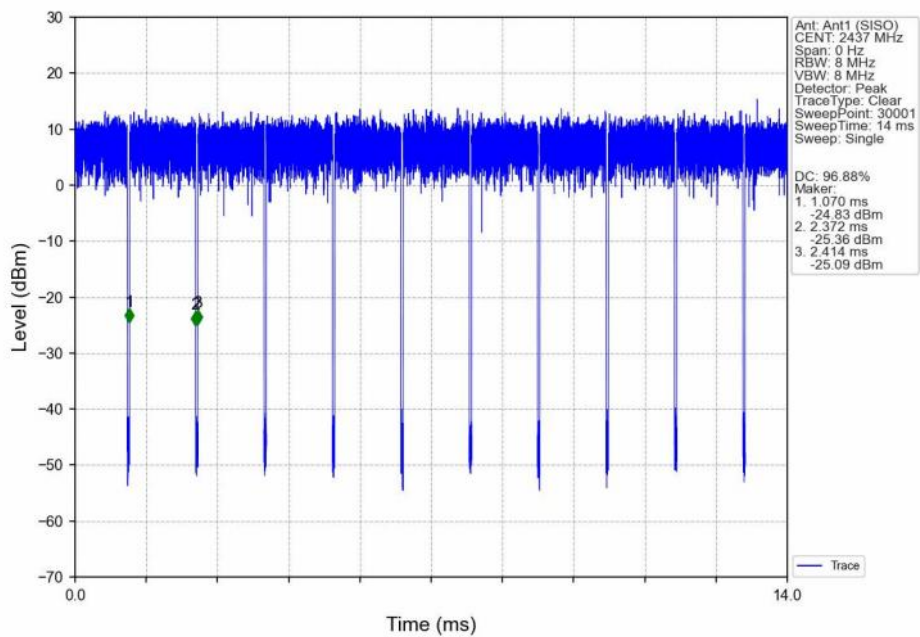
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



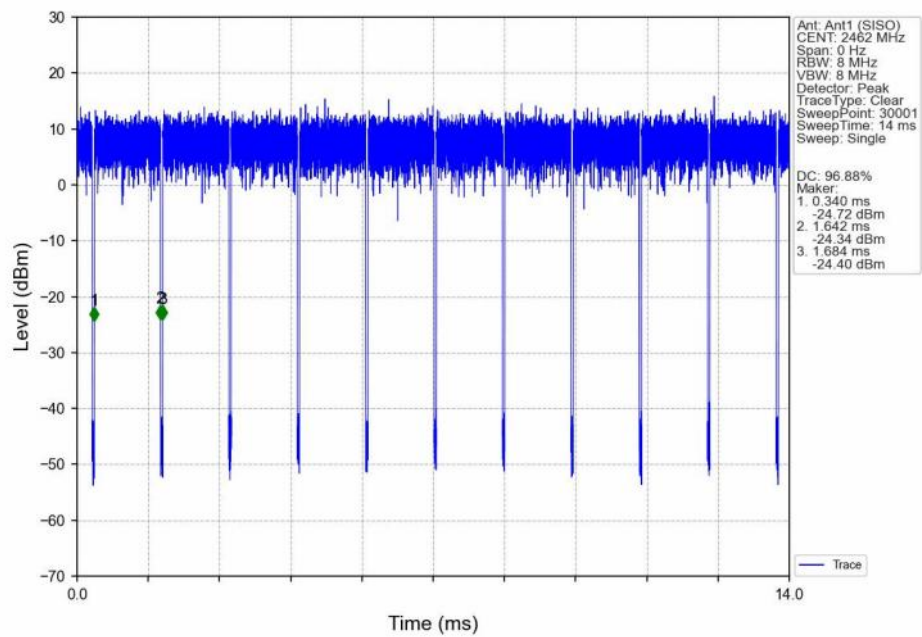
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



2. -6 dB Bandwidth and 99% Bandwidth Measurement

2. Bandwidth

2.1 Test Result

2.1.1 OBW

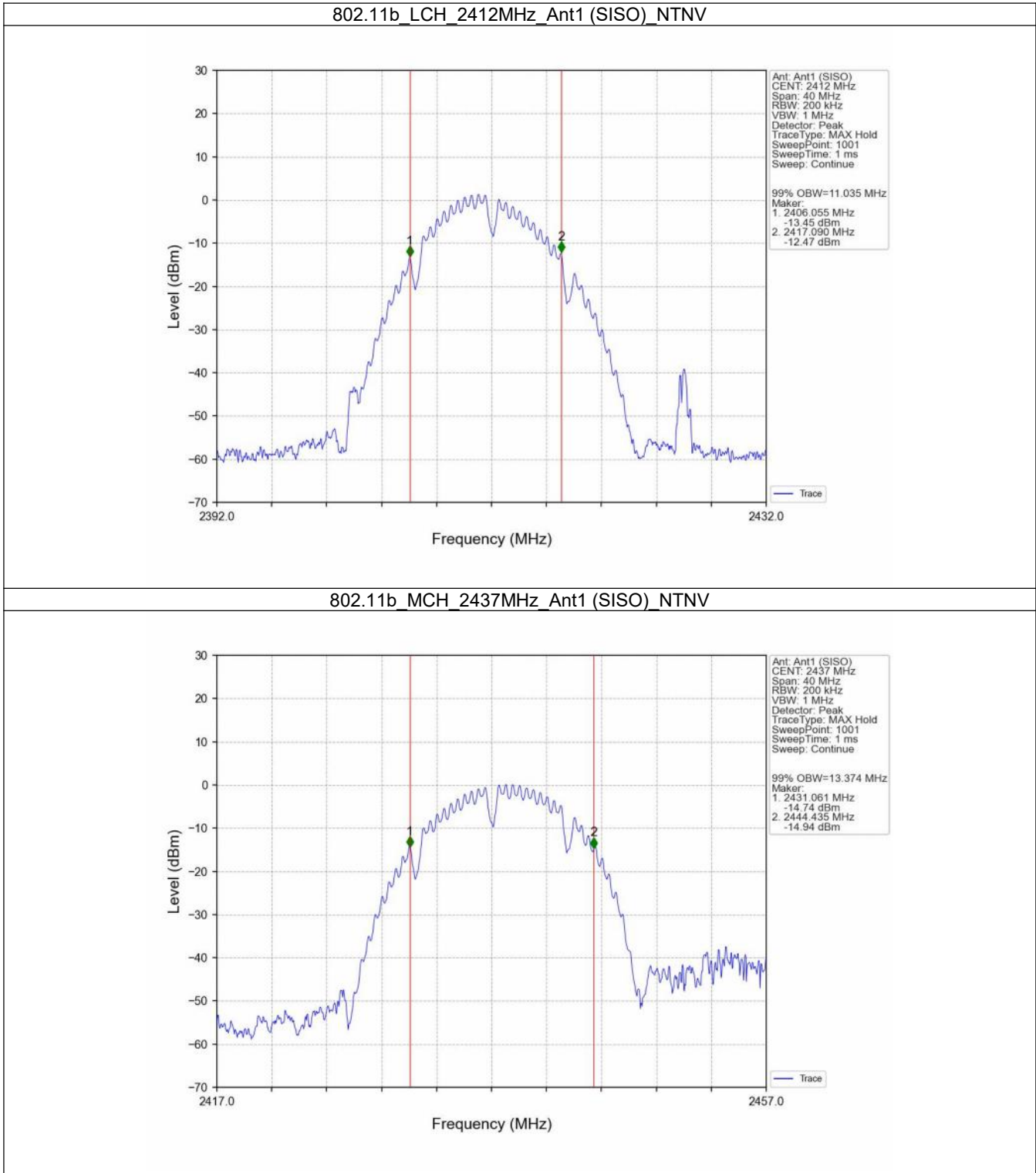
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	11.035	/	Pass
		2437	1	13.374	/	Pass
		2462	1	13.591	/	Pass
802.11g	SISO	2412	1	15.765	/	Pass
		2437	1	16.973	/	Pass
		2462	1	17.040	/	Pass
802.11n (HT20)	SISO	2412	1	16.840	/	Pass
		2437	1	17.807	/	Pass
		2462	1	18.068	/	Pass

1.1.2 6dB BW

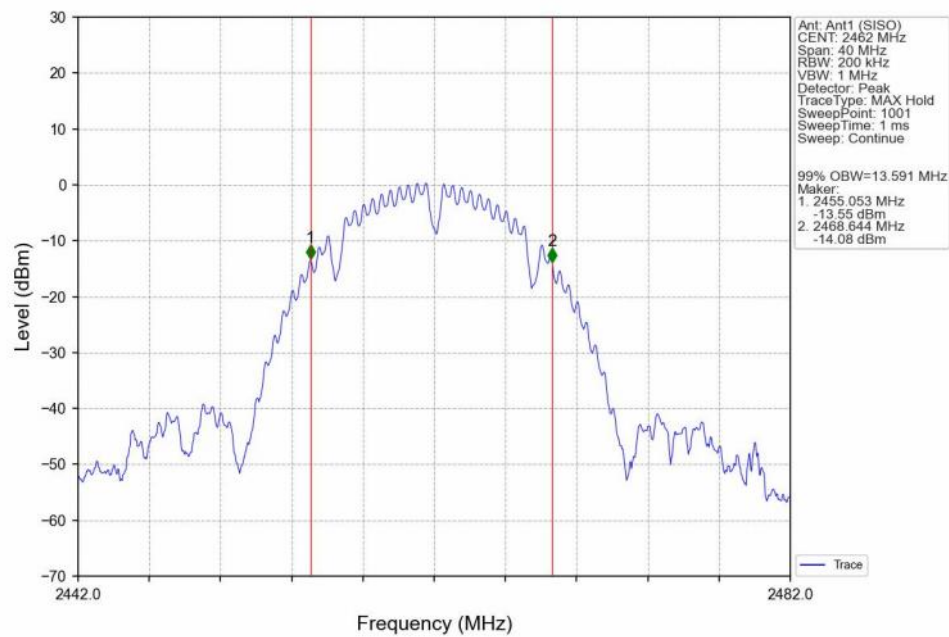
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	6.642	≥ 0.5	Pass
		2437	1	8.662	≥ 0.5	Pass
		2462	1	8.695	≥ 0.5	Pass
802.11g	SISO	2412	1	9.313	≥ 0.5	Pass
		2437	1	10.919	≥ 0.5	Pass
		2462	1	16.521	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	9.030	≥ 0.5	Pass
		2437	1	11.552	≥ 0.5	Pass
		2462	1	17.864	≥ 0.5	Pass

2.2 Test Graph

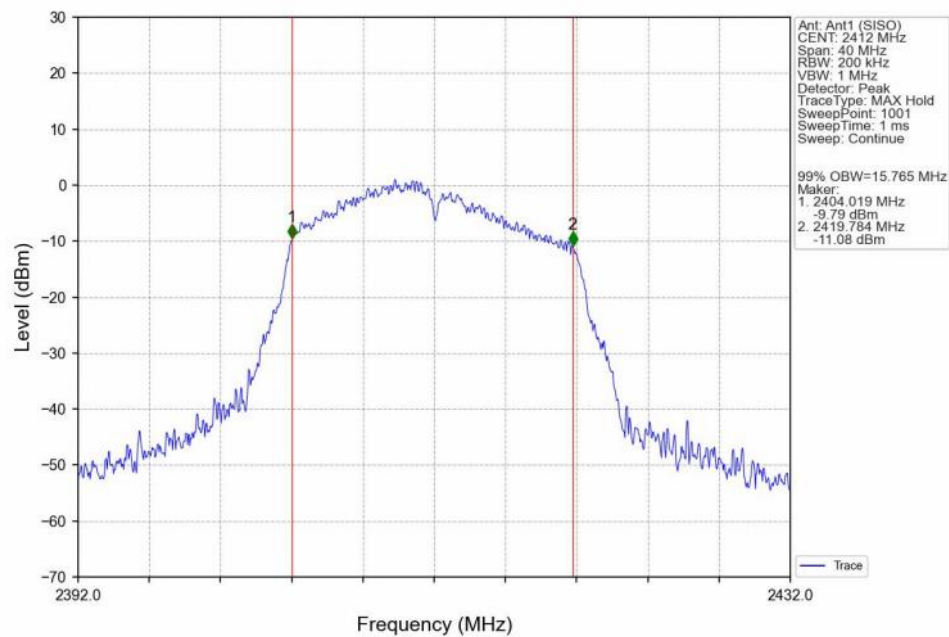
2.2.1 OBW



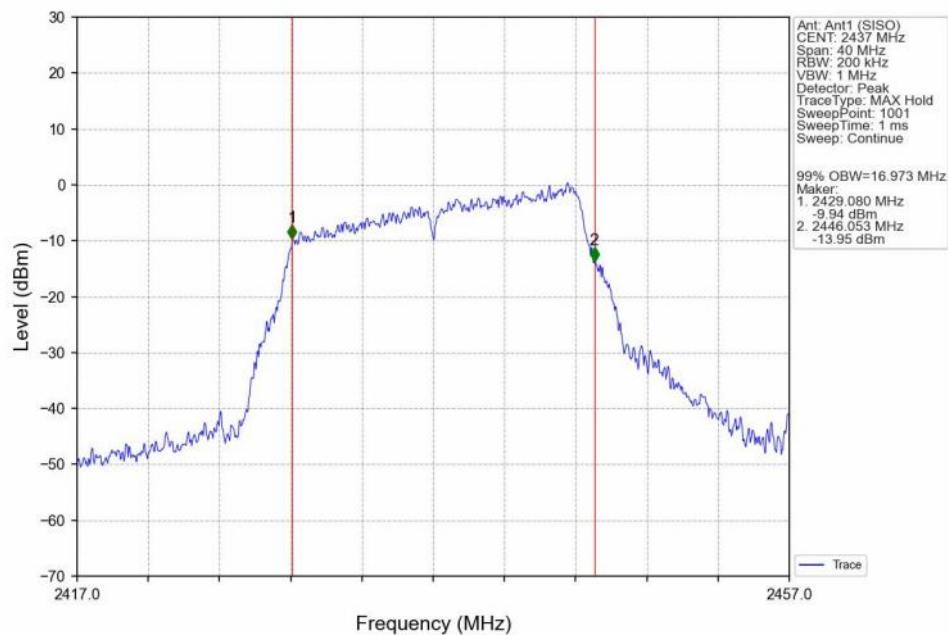
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



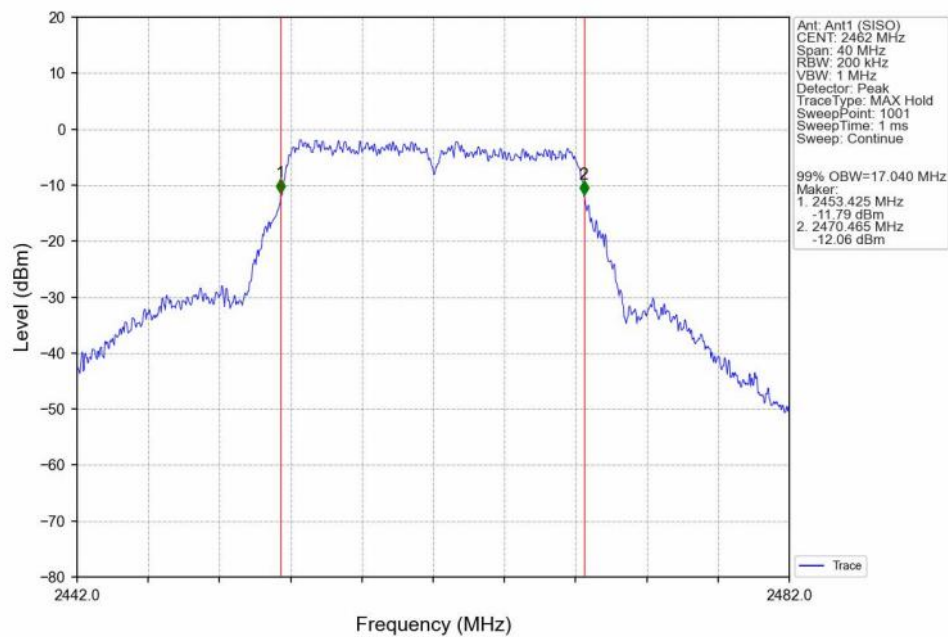
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



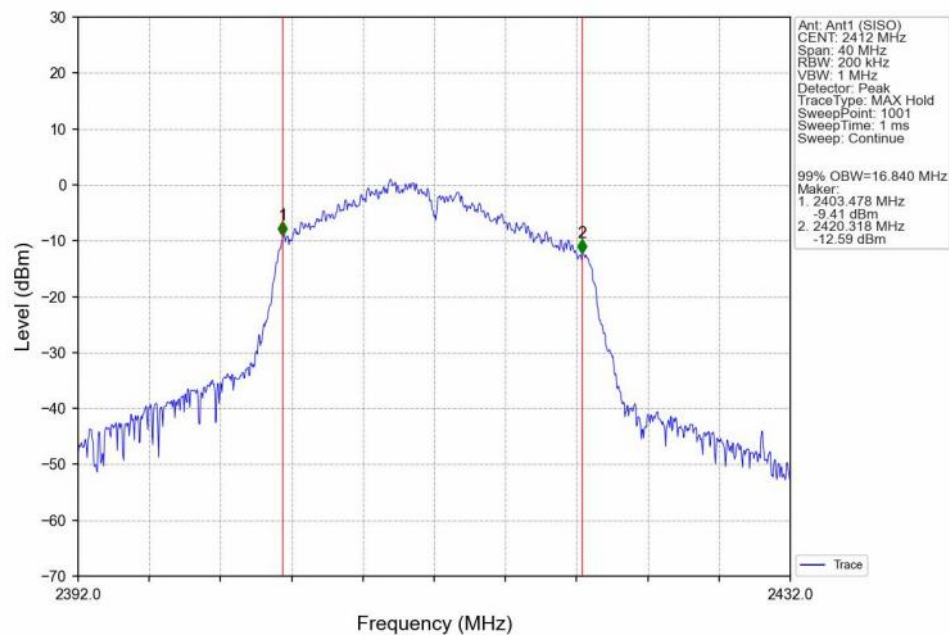
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



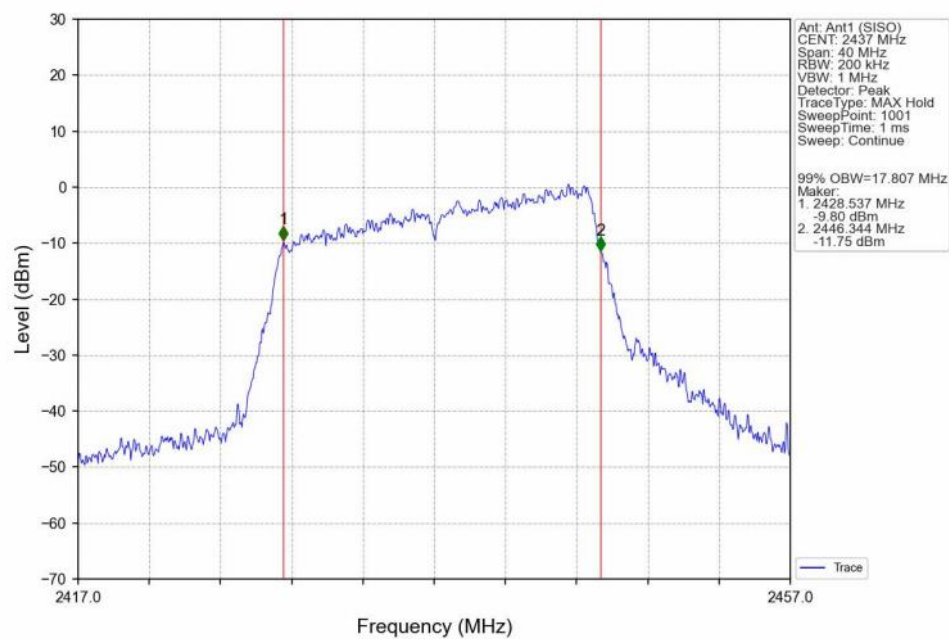
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



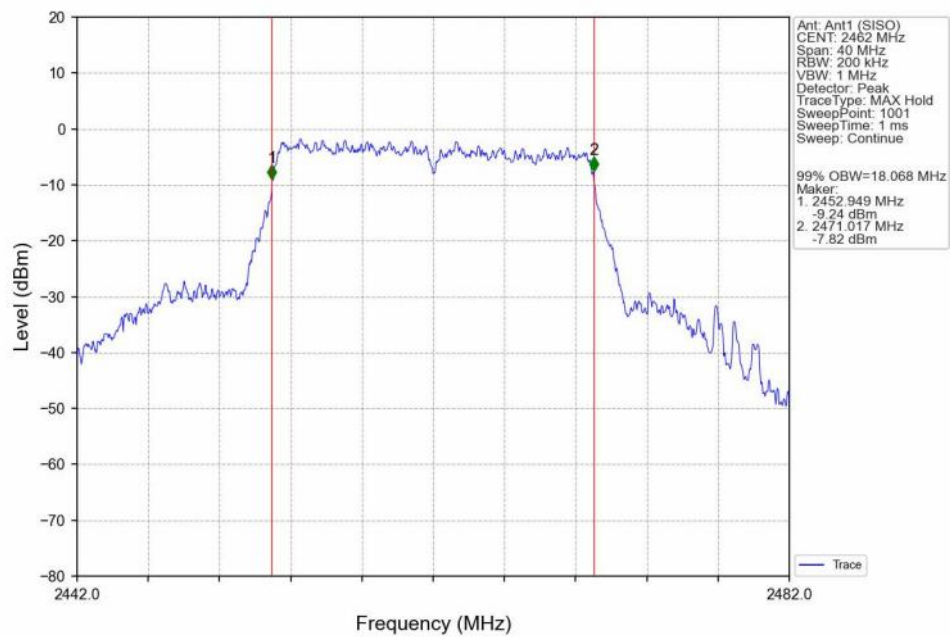
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



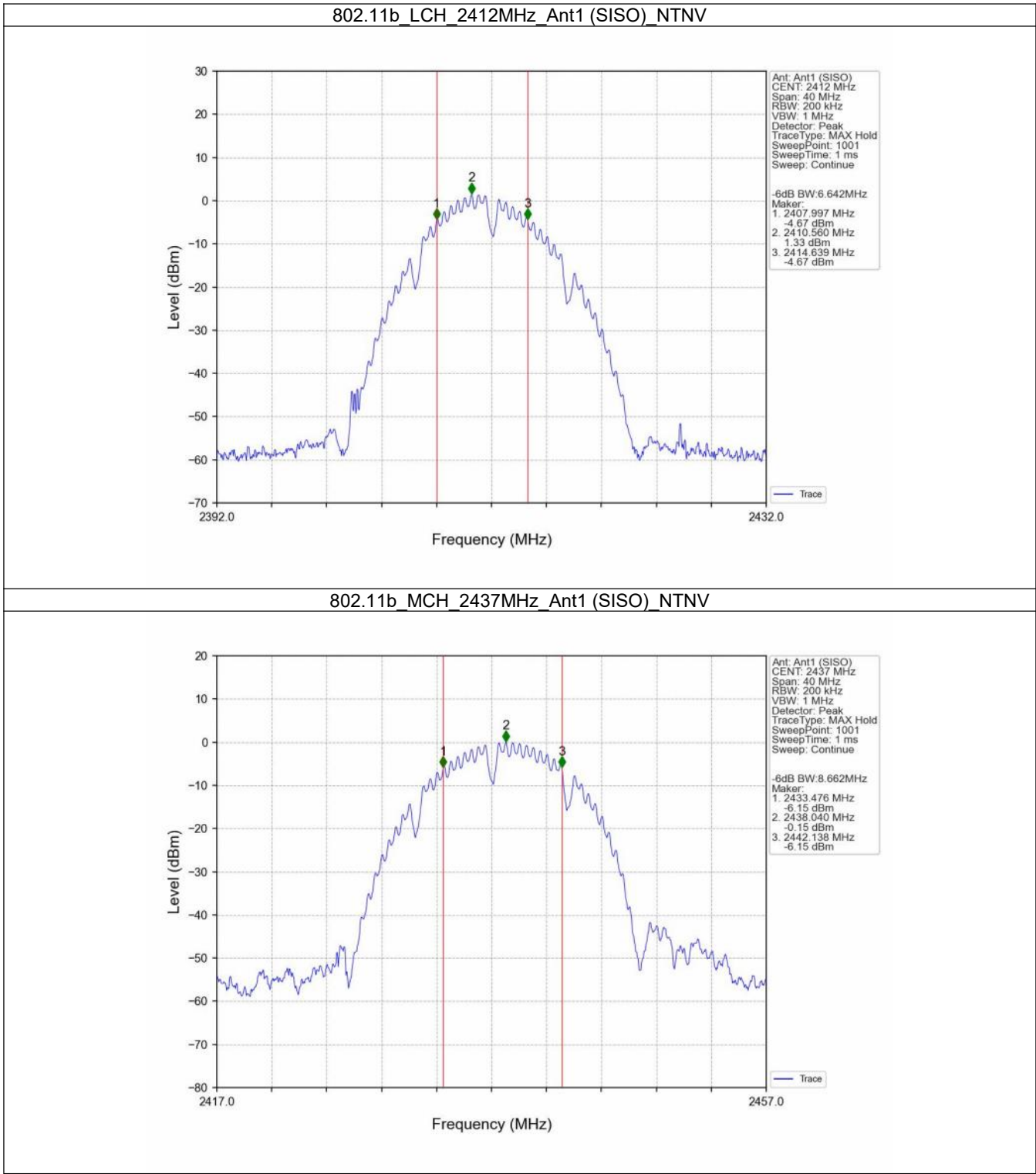
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



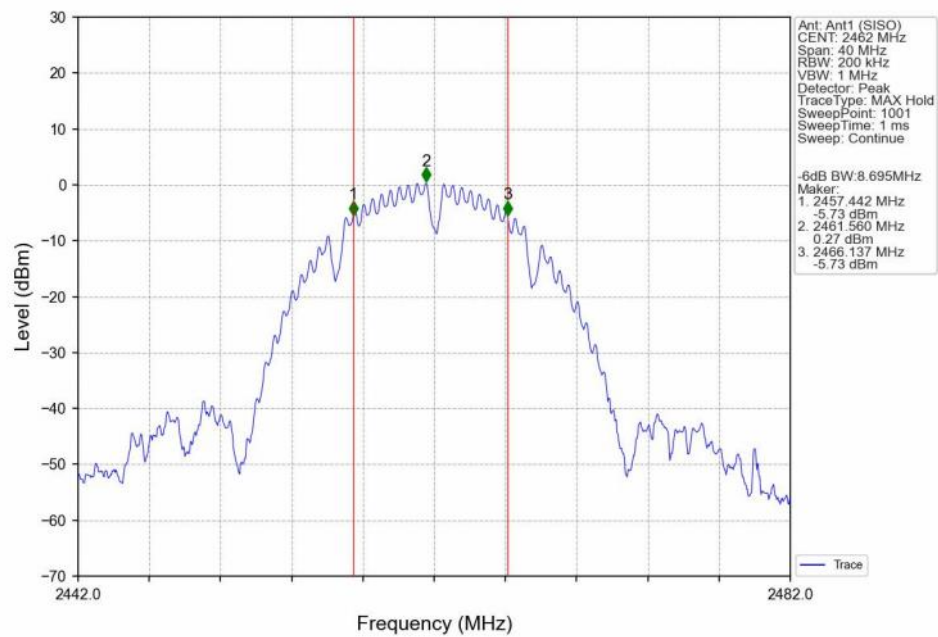
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



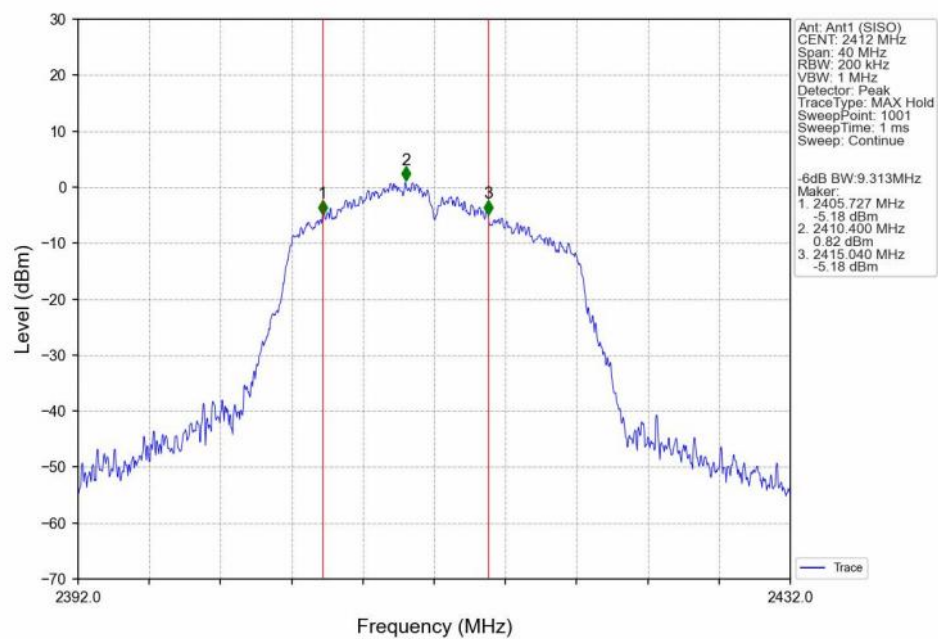
2.2.2 6dB BW



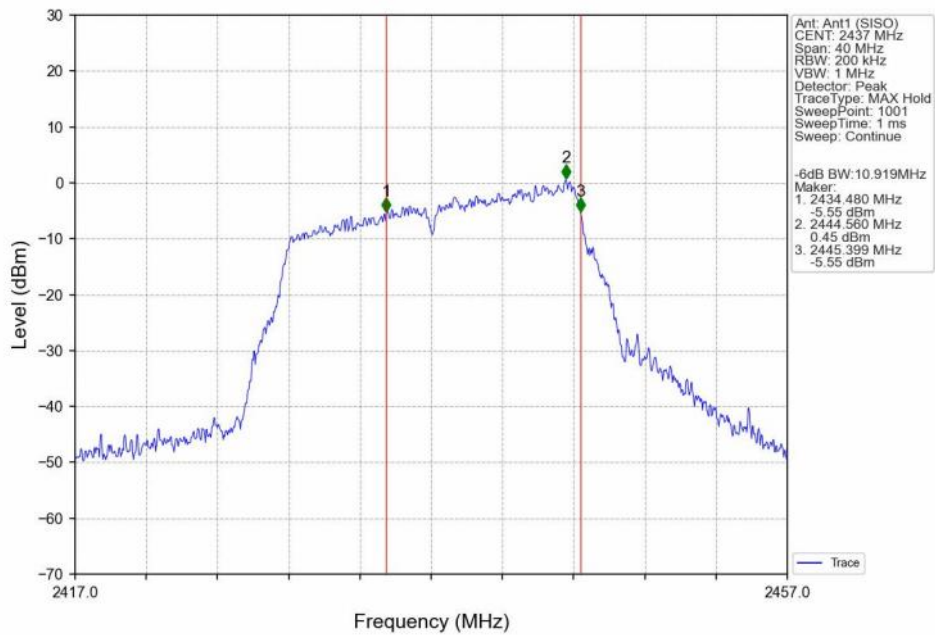
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



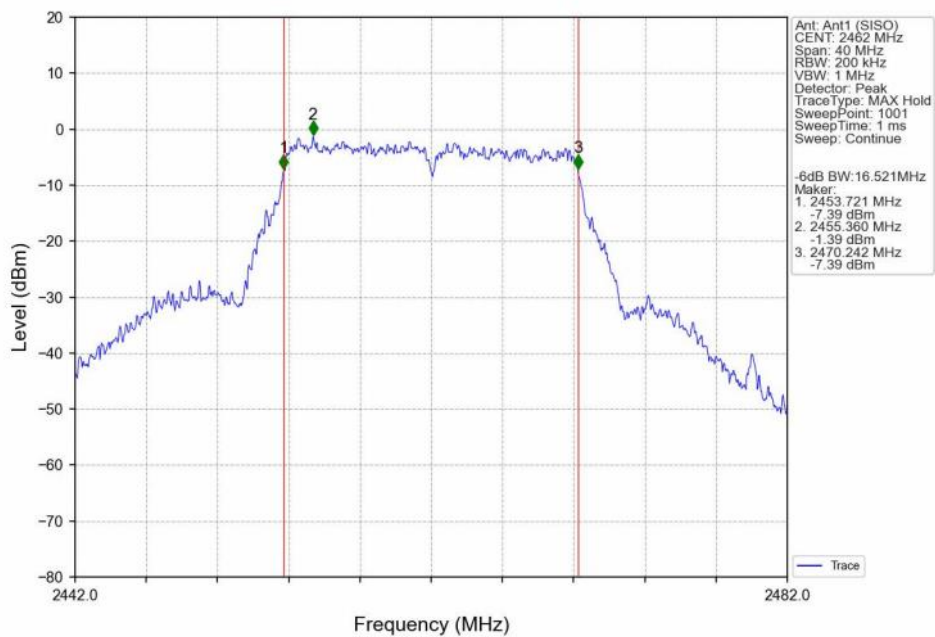
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



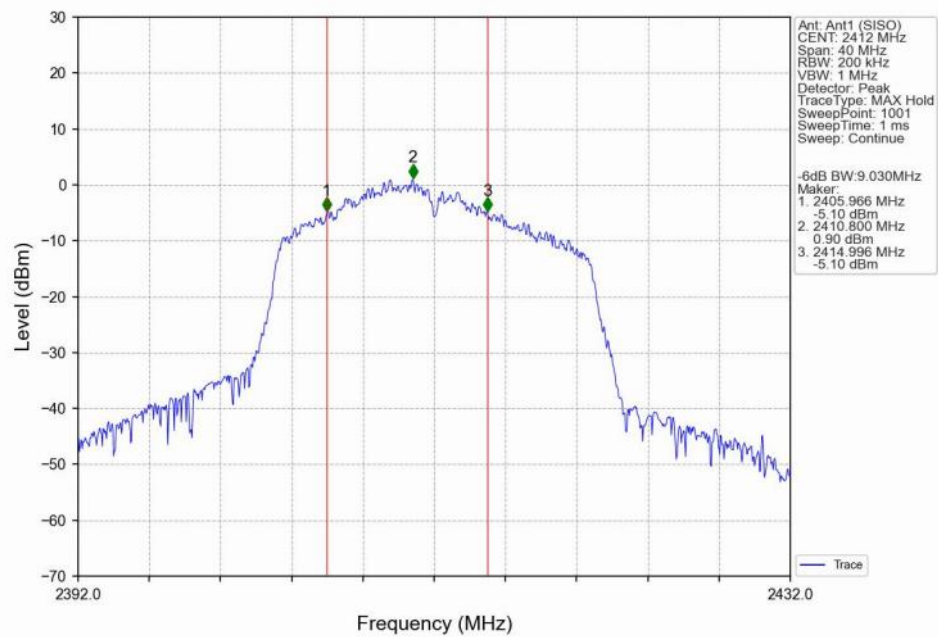
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



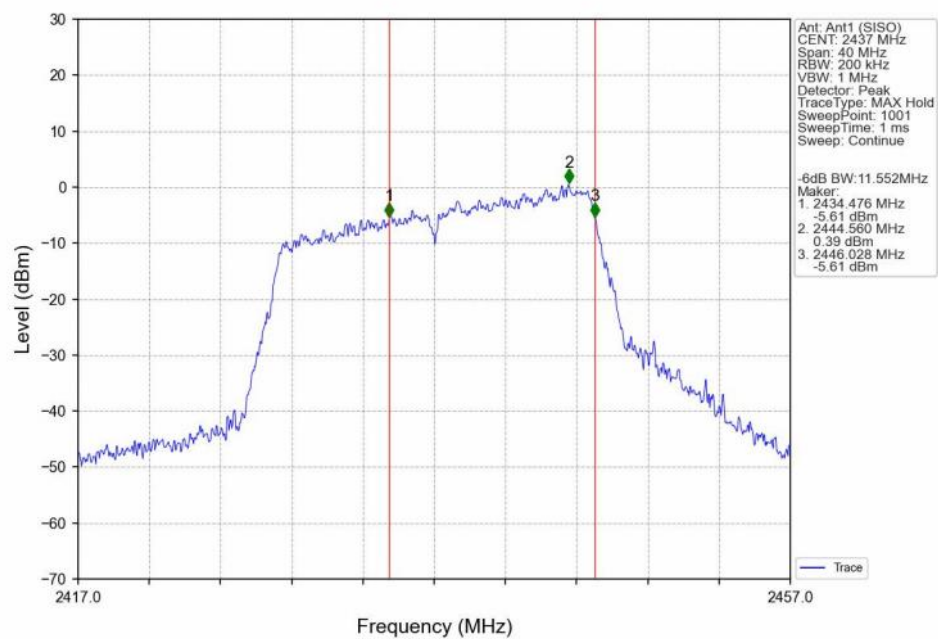
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



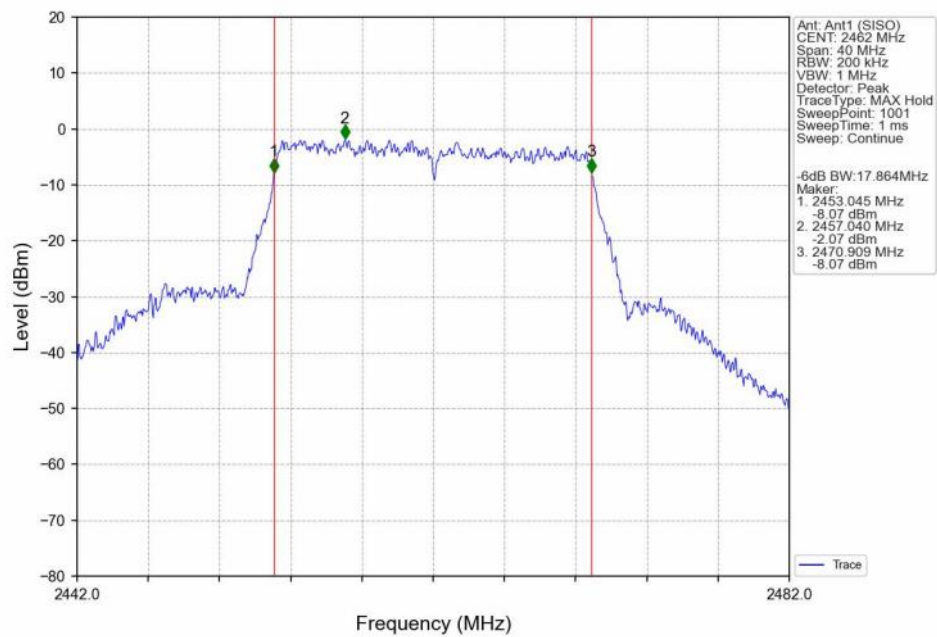
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

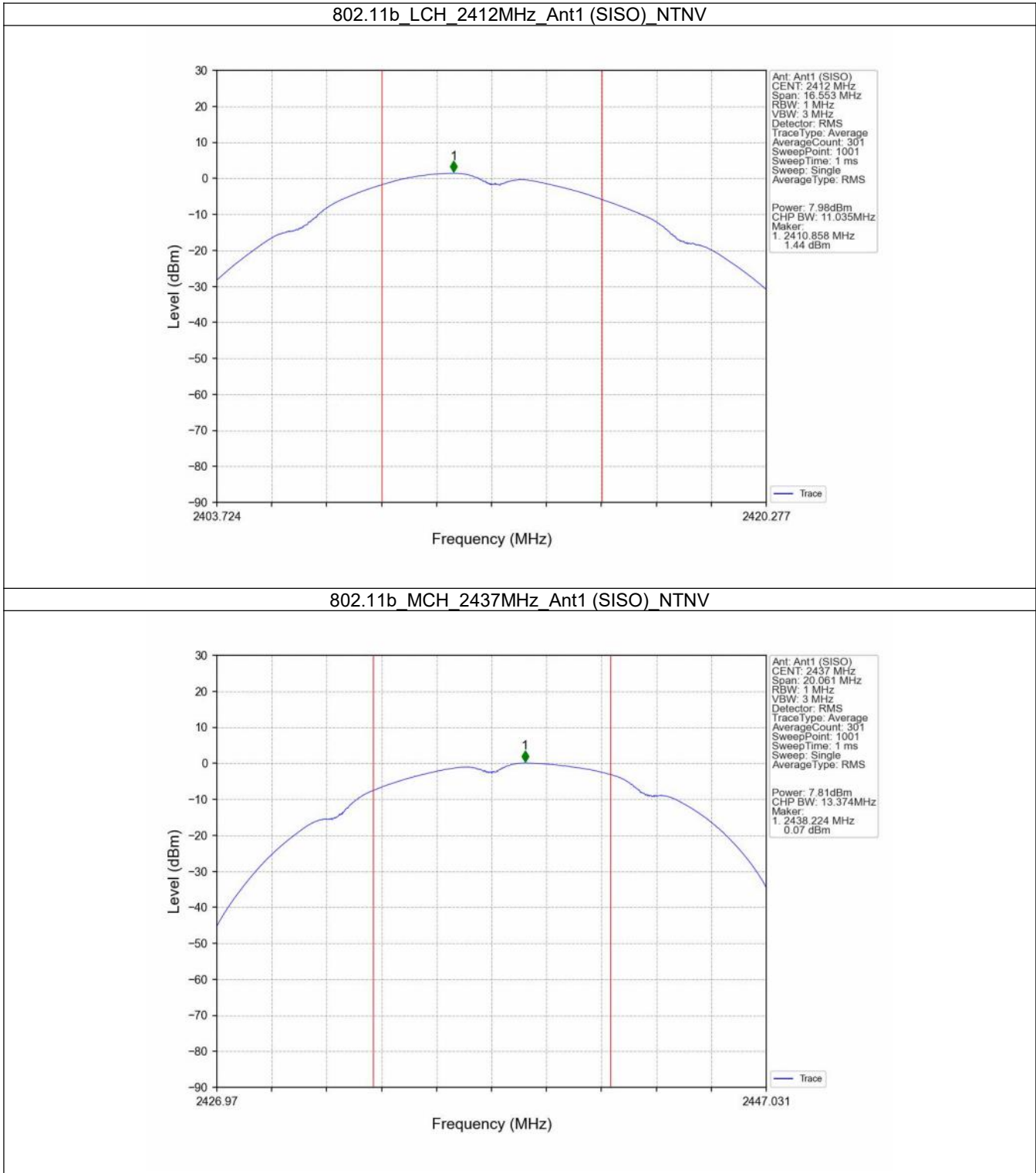
3.1 Test Result

3.1.1 Power

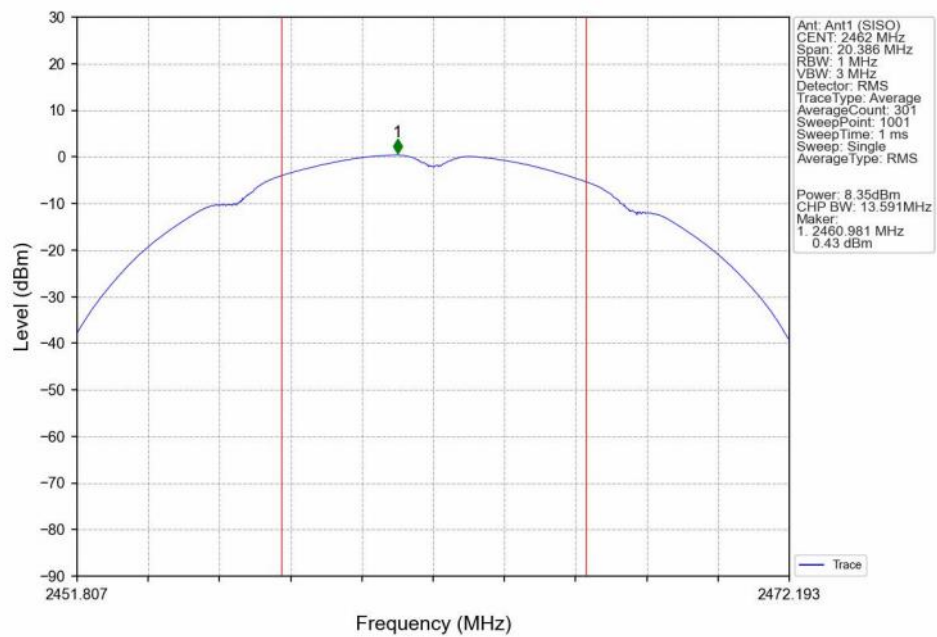
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	7.98	<=30	Pass
		2437	7.81	<=30	Pass
		2462	8.35	<=30	Pass
802.11g	SISO	2412	7.96	<=30	Pass
		2437	7.67	<=30	Pass
		2462	7.94	<=30	Pass
802.11n (HT20)	SISO	2412	7.87	<=30	Pass
		2437	7.77	<=30	Pass
		2462	8.11	<=30	Pass
Note1: Antenna Gain: Ant1: 2.3dBi:					

3.2 Test Graph

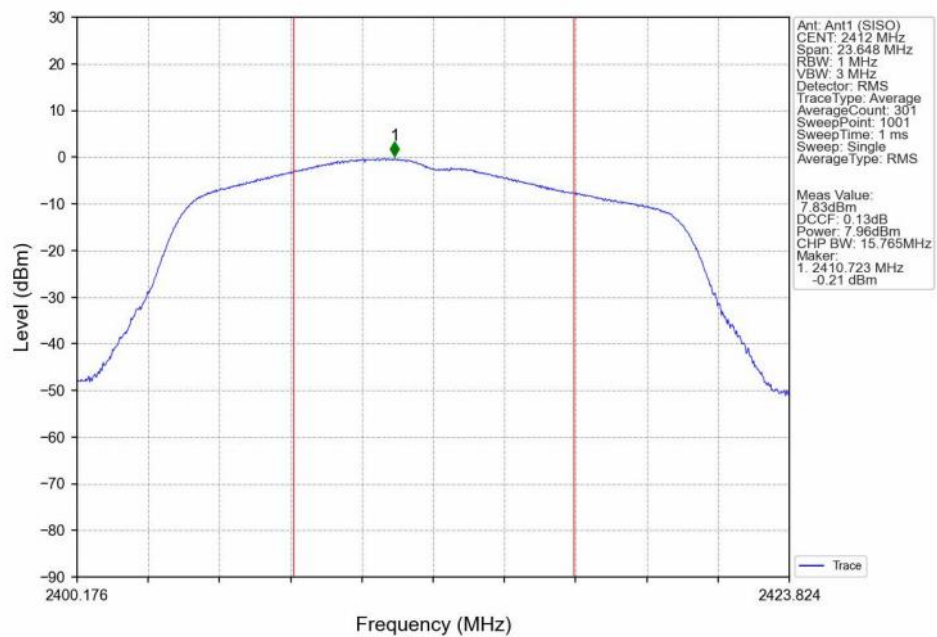
3.2.1 Power



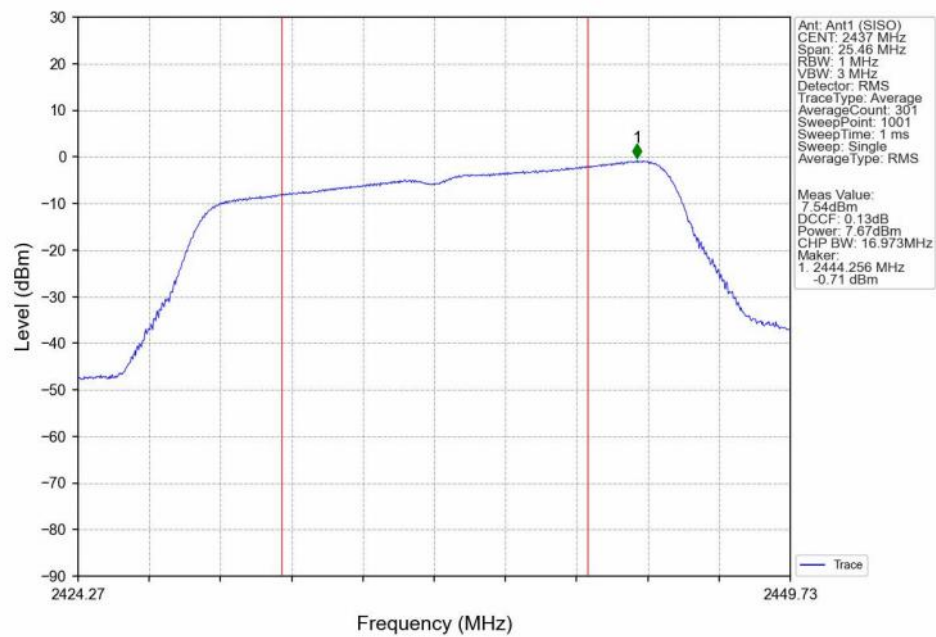
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



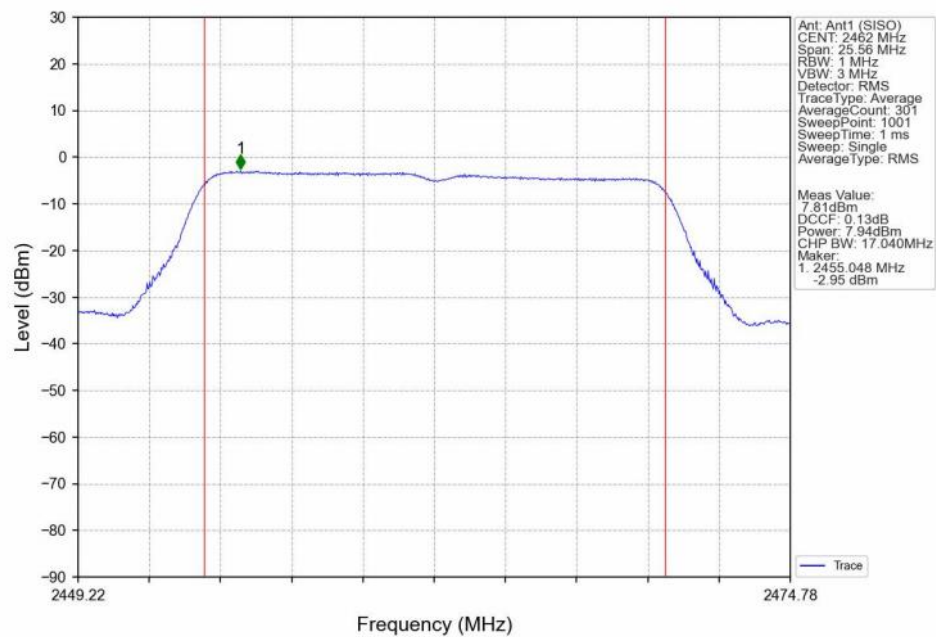
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



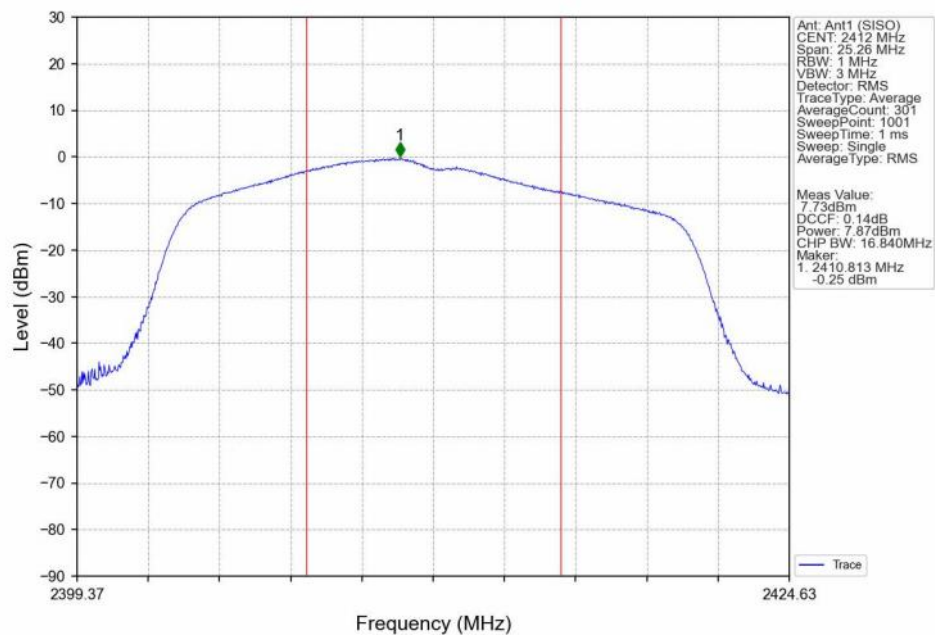
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



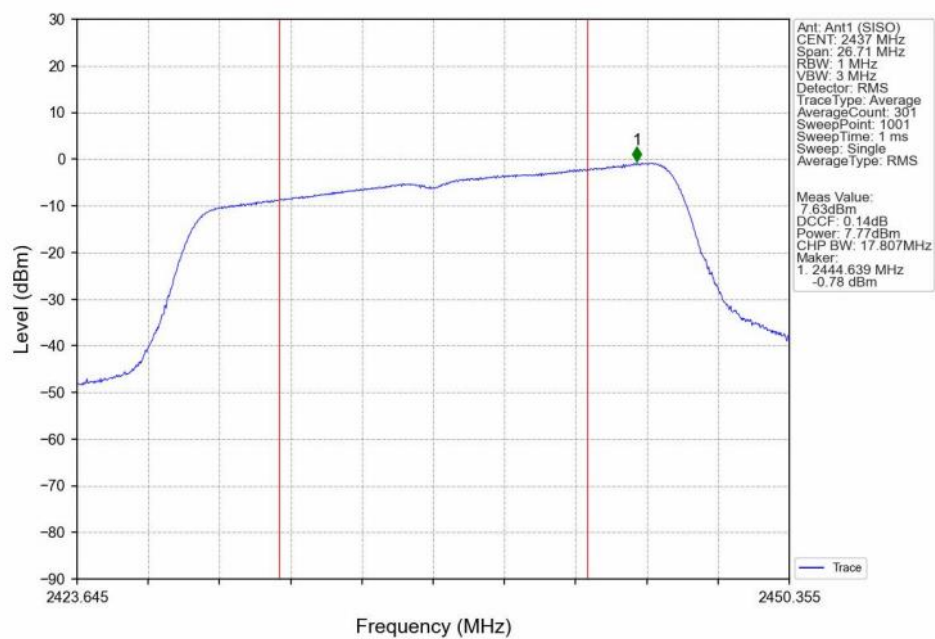
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



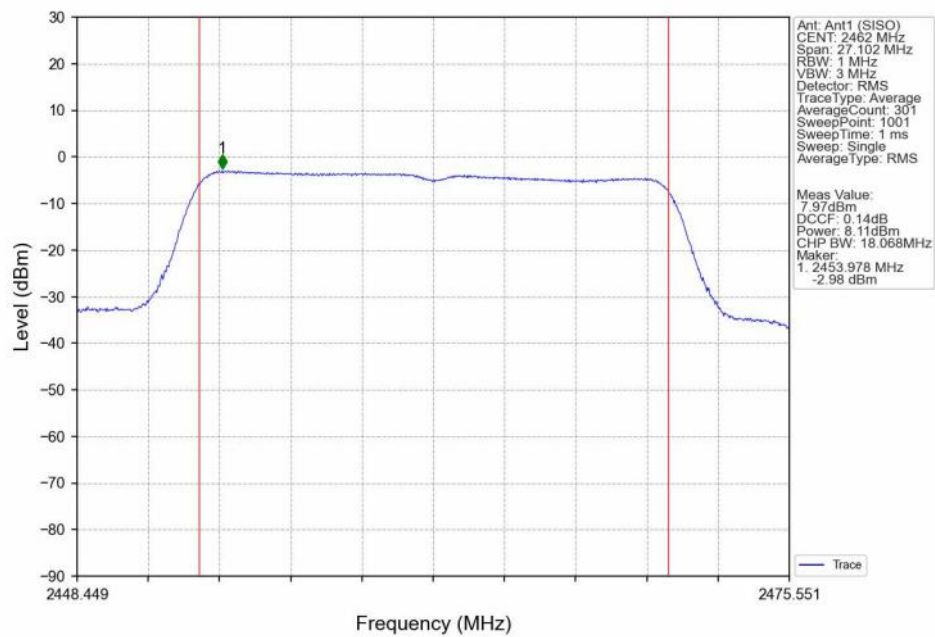
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



4. Maximum Power Spectral Density

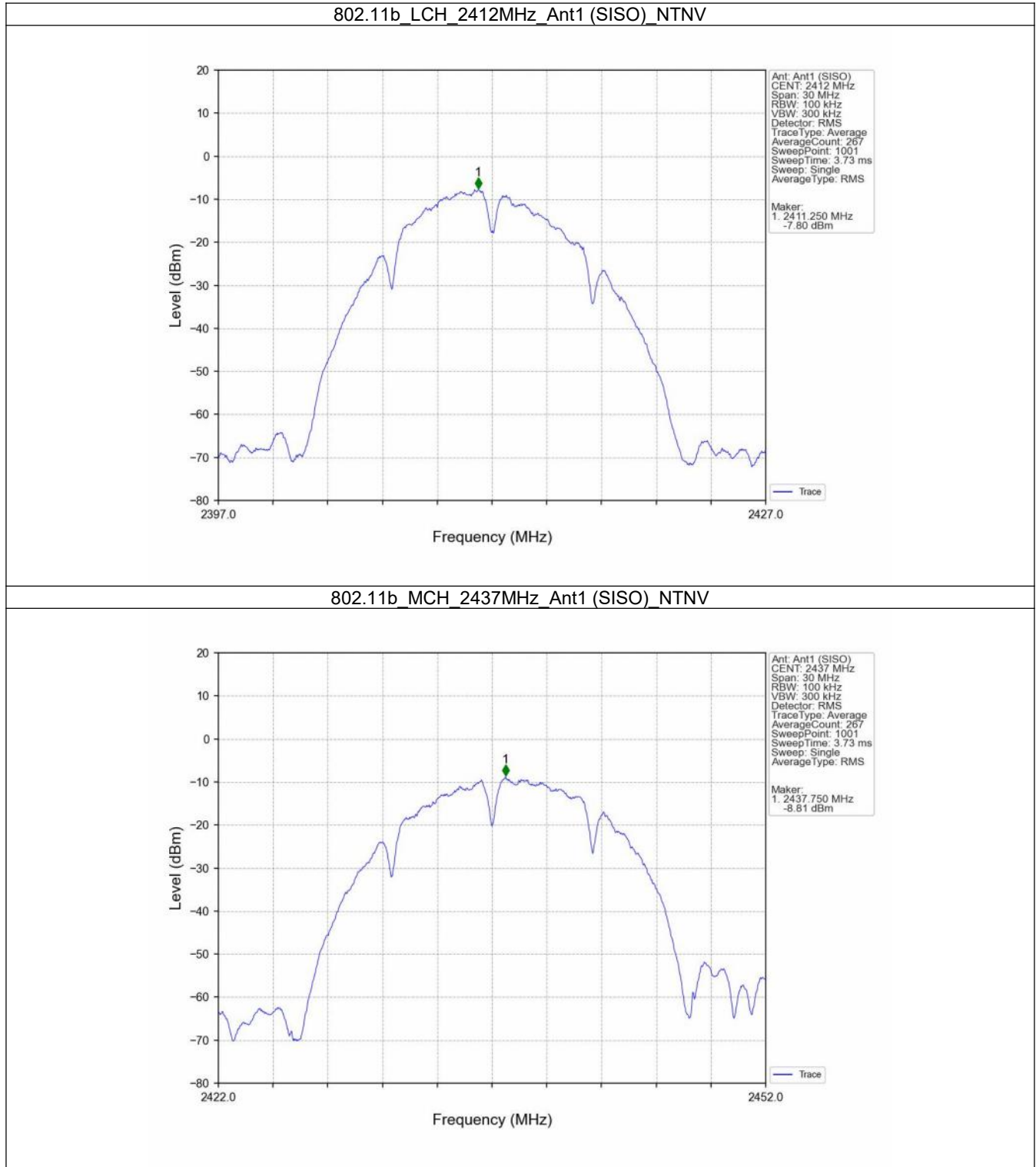
4.1 Test Result

4.1.1 PSD

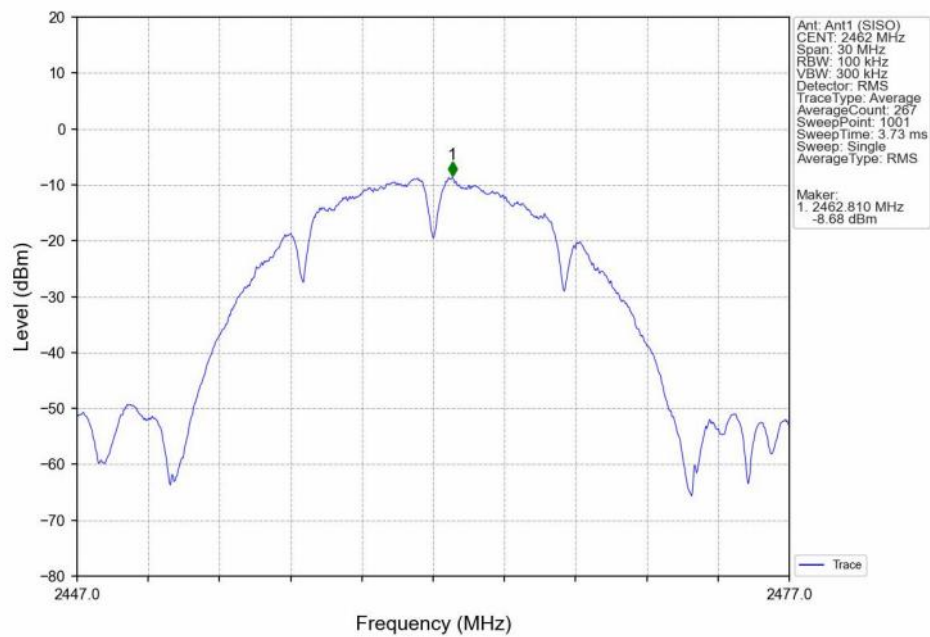
Mode	TX Type	Frequency (MHz)	Maximum PSD		Verdict
			ANT1(dBm/100kHz)	Limit(dBm/3kHz)	
802.11b	SISO	2412	-7.80	<=8	Pass
		2437	-8.81	<=8	Pass
		2462	-8.68	<=8	Pass
802.11g	SISO	2412	-8.78	<=8	Pass
		2437	-9.58	<=8	Pass
		2462	-11.98	<=8	Pass
802.11n (HT20)	SISO	2412	-9.06	<=8	Pass
		2437	-9.23	<=8	Pass
		2462	-11.89	<=8	Pass
Note1: Antenna Gain: Ant1: 2.3dBi:					

4.2 Test Graph

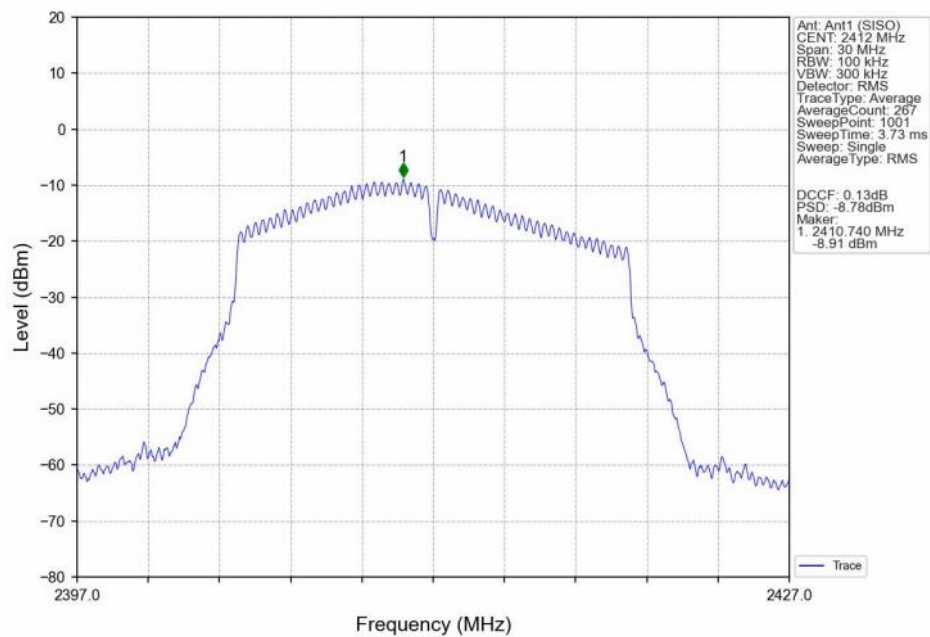
4.2.1 PSD



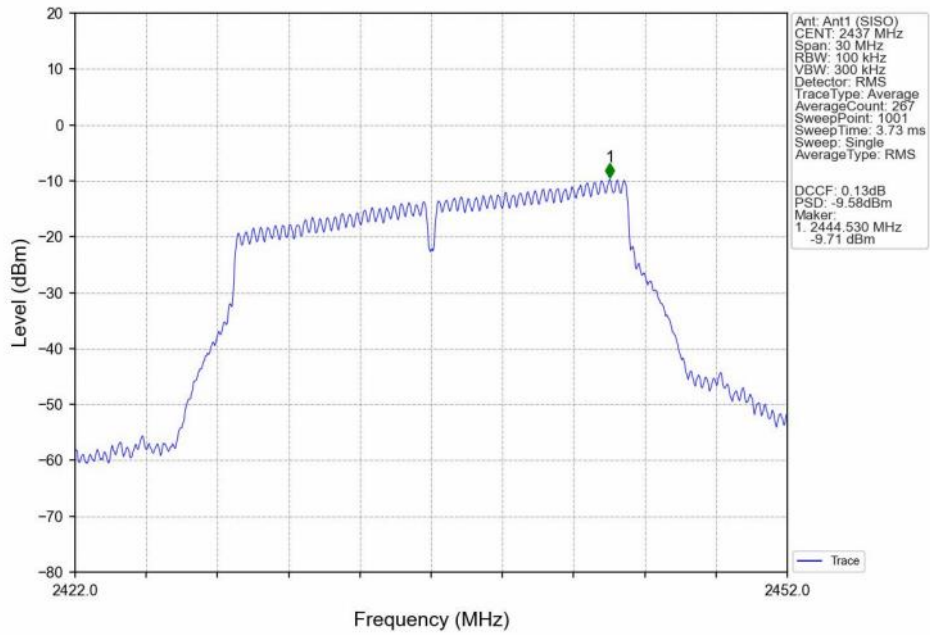
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



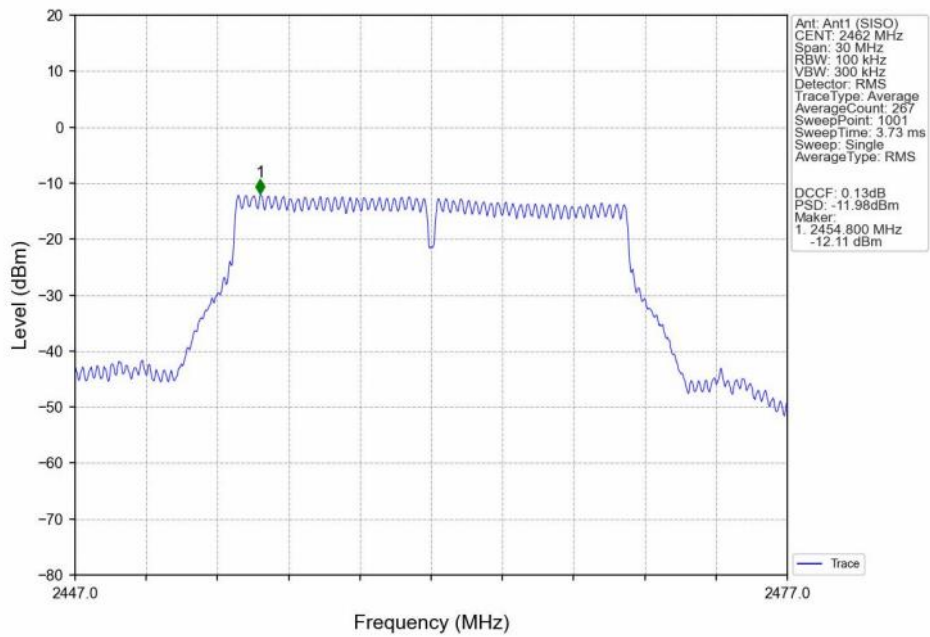
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



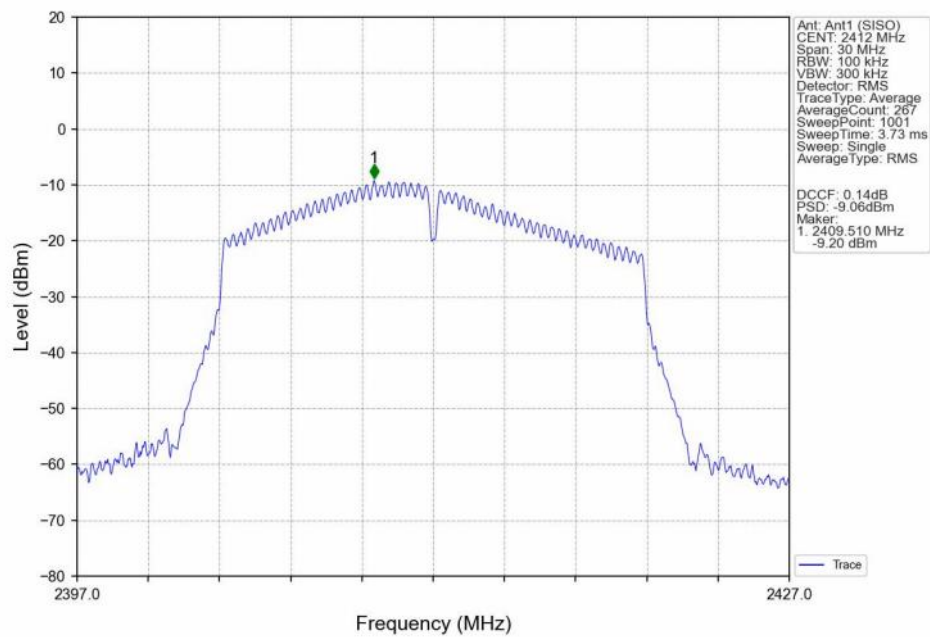
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



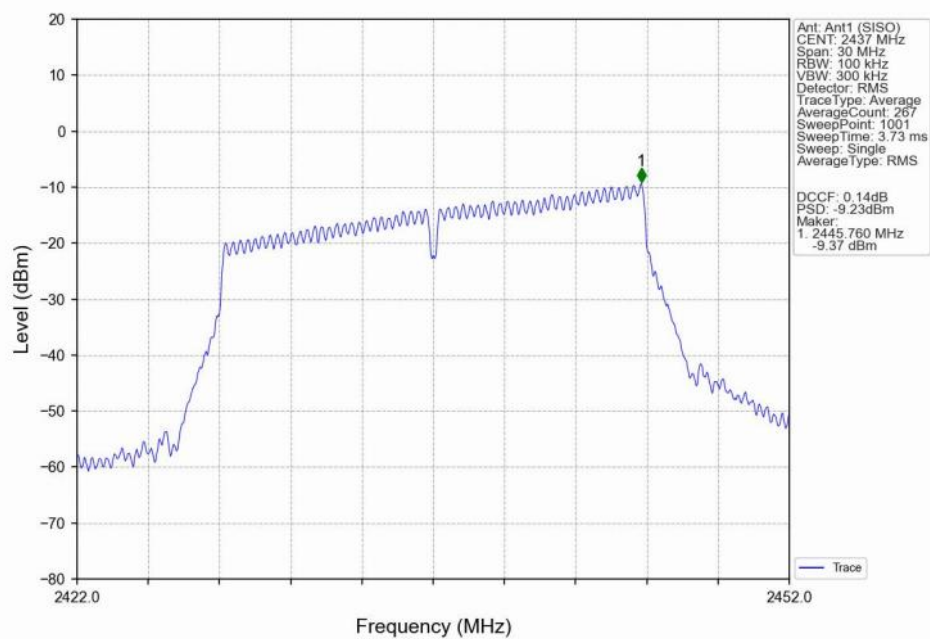
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



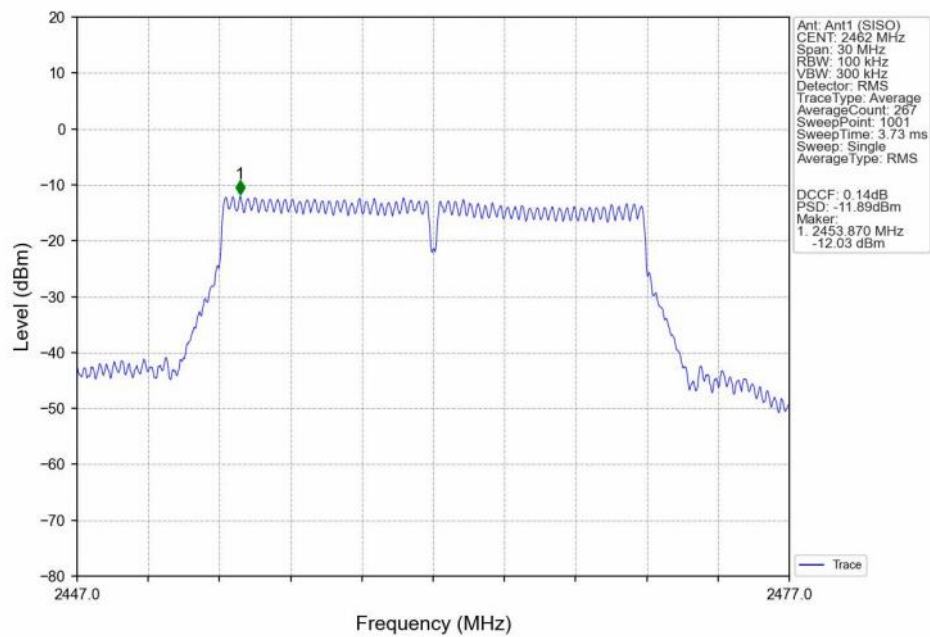
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	0.83
		2437	1	-0.14
		2462	1	0.19
802.11g	SISO	2412	1	-0.38
		2437	1	-0.82
		2462	1	-2.70
802.11n (HT20)	SISO	2412	1	-0.63
		2437	1	-0.33
		2462	1	-2.55

5.1.2 CSE

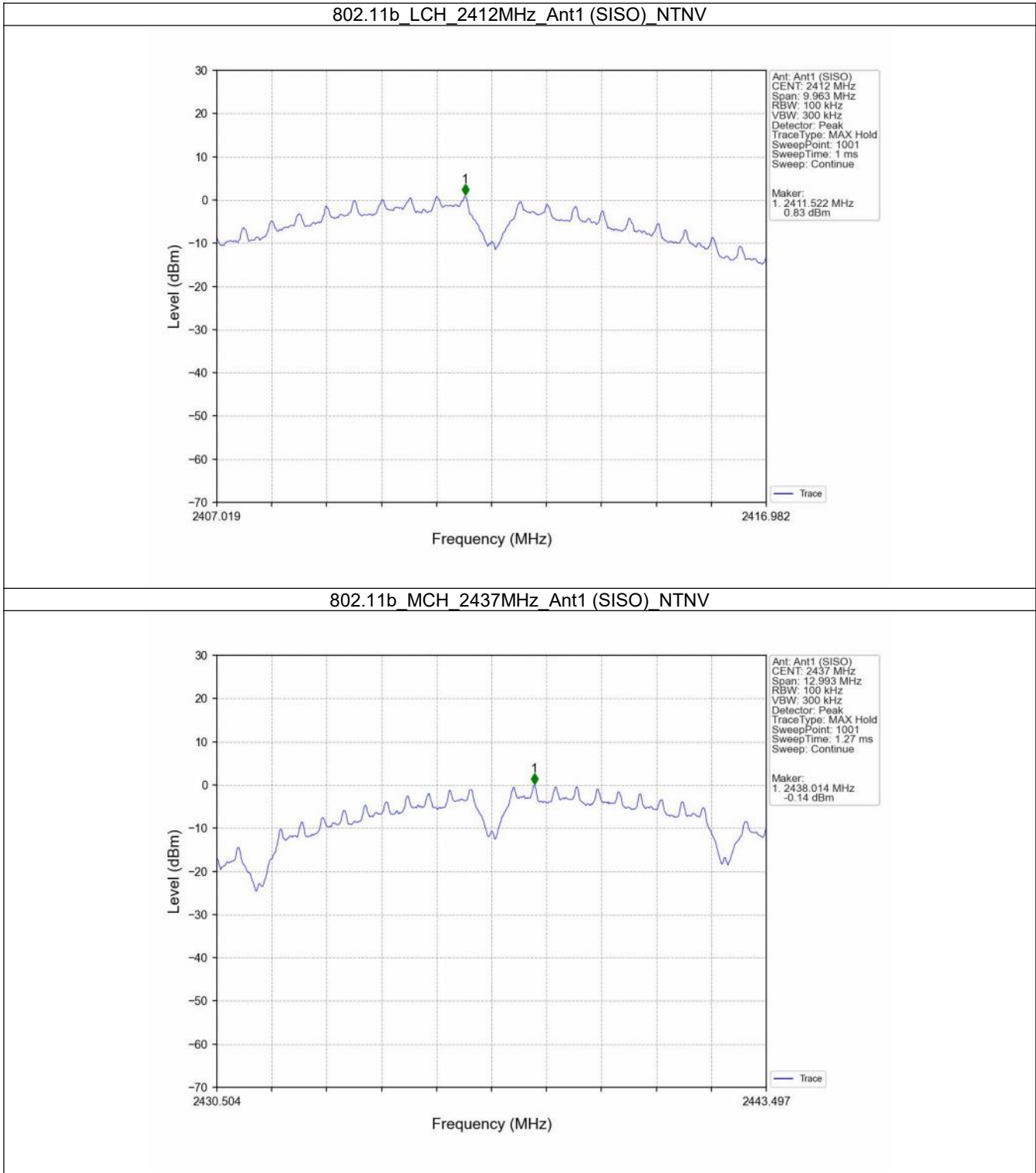
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	0.83	-29.17	Pass
		2437	1	-0.14	-30.14	Pass
		2462	1	0.19	-29.81	Pass
802.11g	SISO	2412	1	-0.38	-30.38	Pass
		2437	1	-0.82	-30.82	Pass
		2462	1	-2.70	-32.70	Pass
802.11n (HT20)	SISO	2412	1	-0.63	-30.63	Pass
		2437	1	-0.33	-30.33	Pass
		2462	1	-2.55	-32.55	Pass

5.1.3. Band Edge Measurement

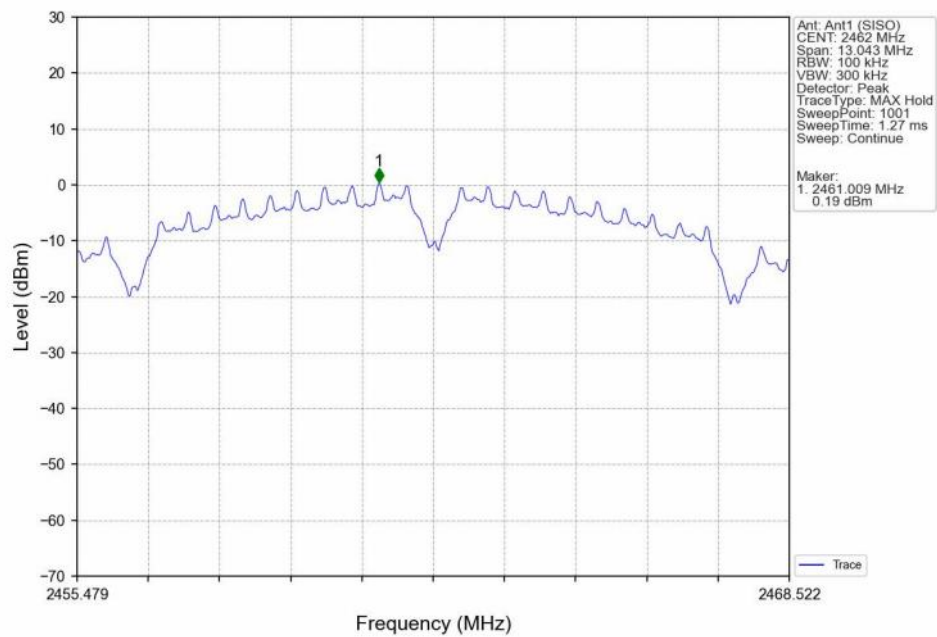
Mode	Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
802.11b	2412	-56.73	-29.17	Pass
	2462	-56.80	-29.81	Pass
802.11g	2412	-45.32	-30.38	Pass
	2462	-51.69	-32.70	Pass
802.11n (HT20)	2412	-40.48	-30.63	Pass
	2462	-49.59	-32.55	Pass

5.2 Test Graph

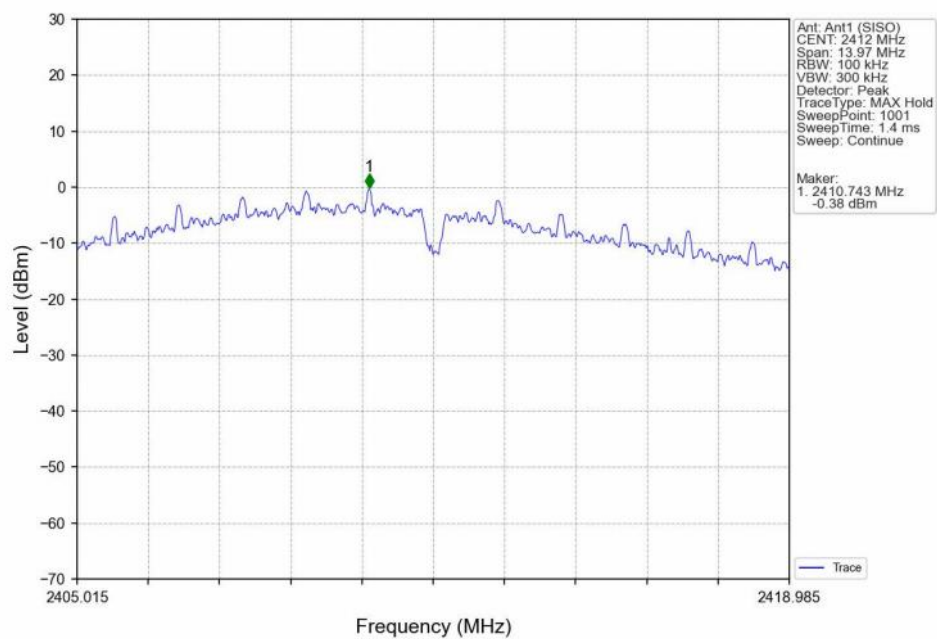
5.2.1 Ref



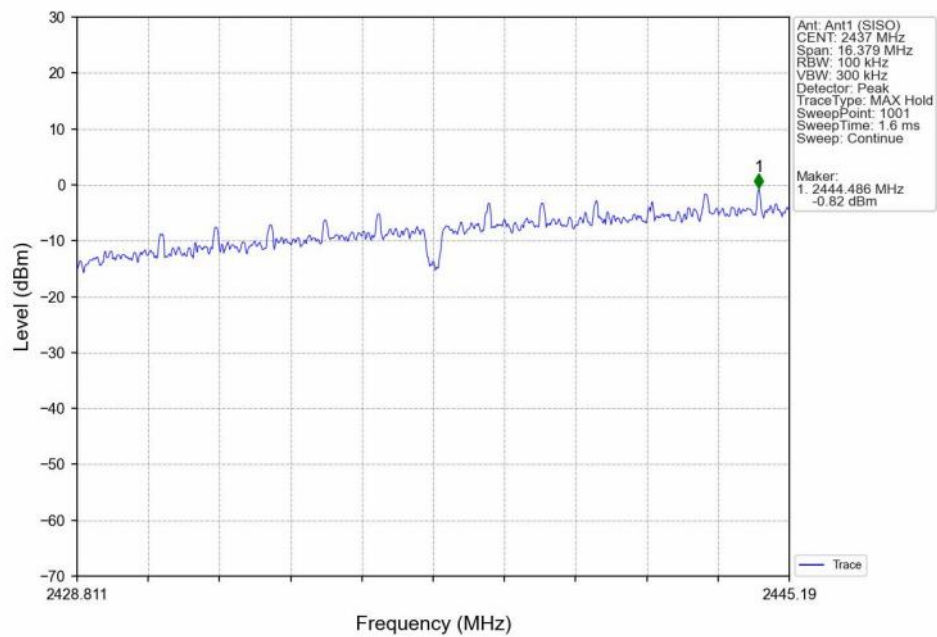
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



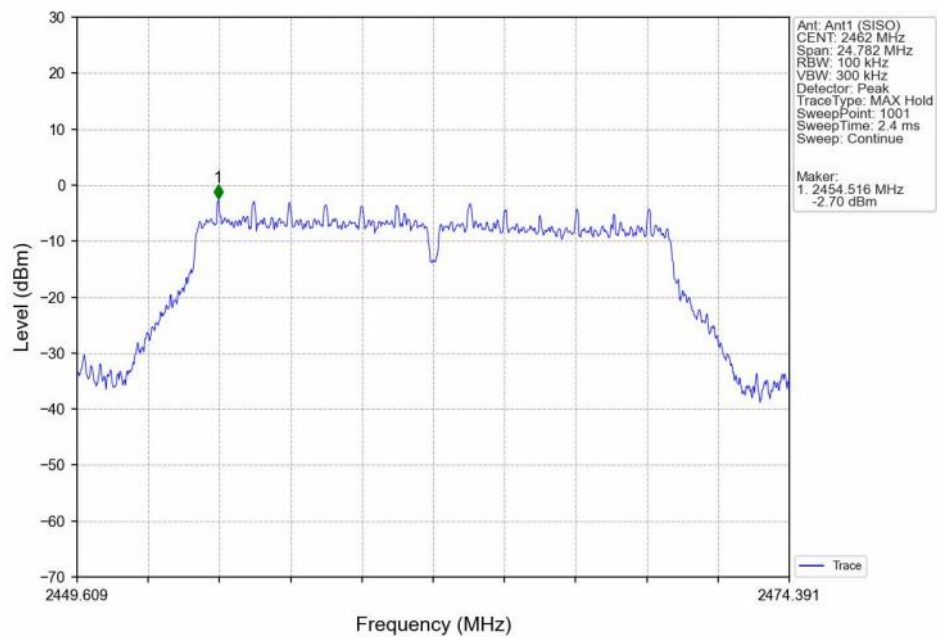
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



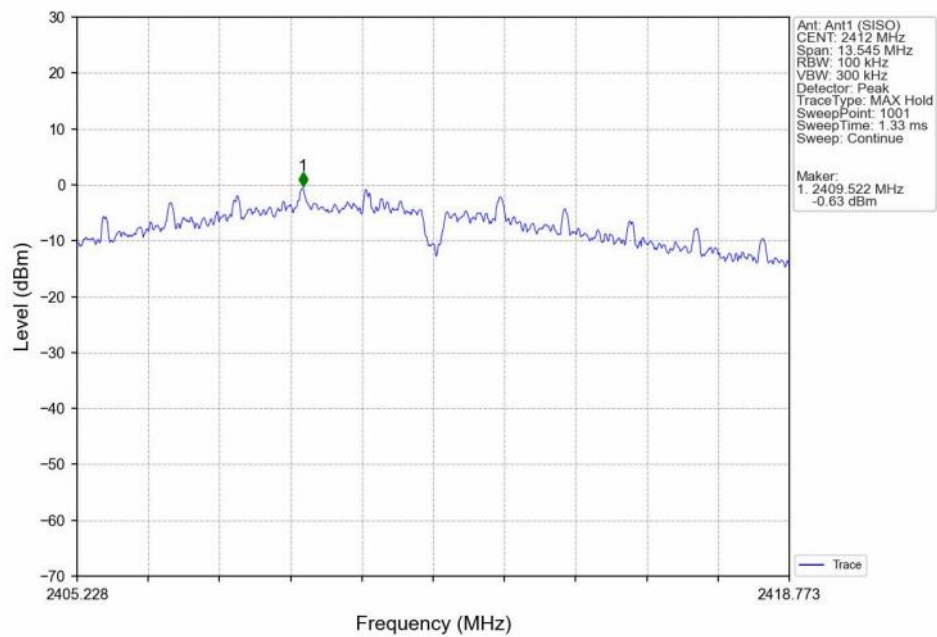
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



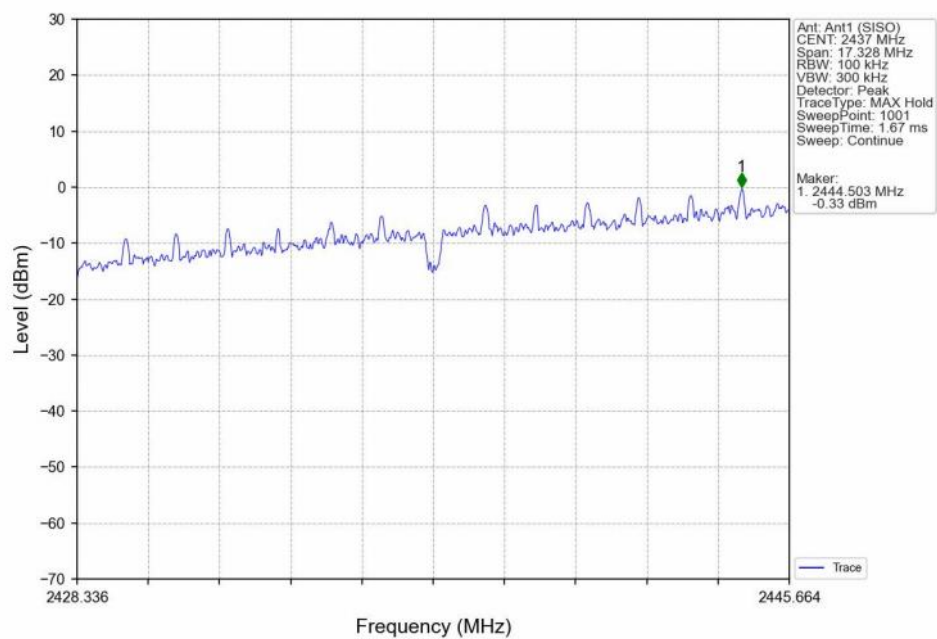
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



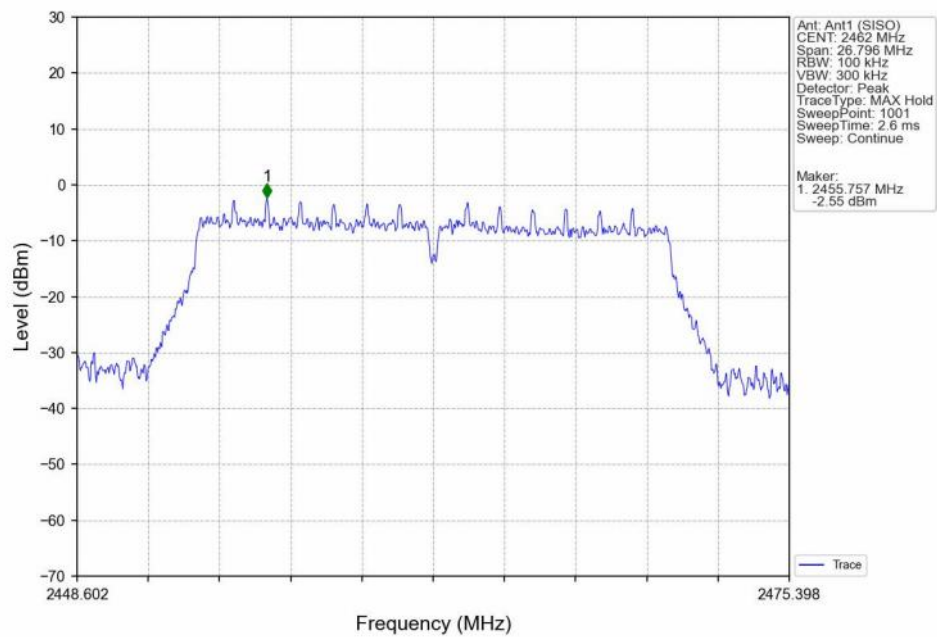
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



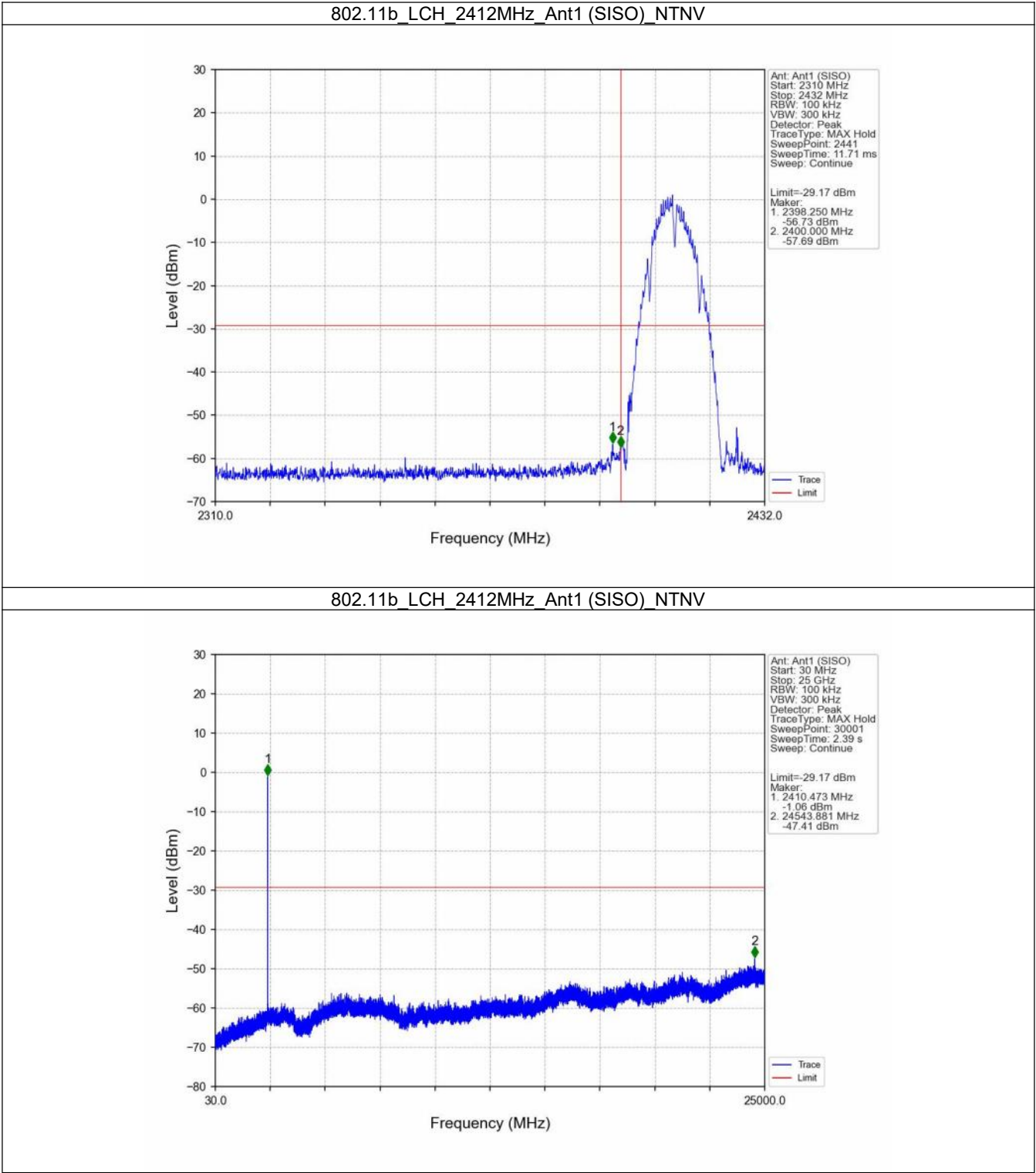
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



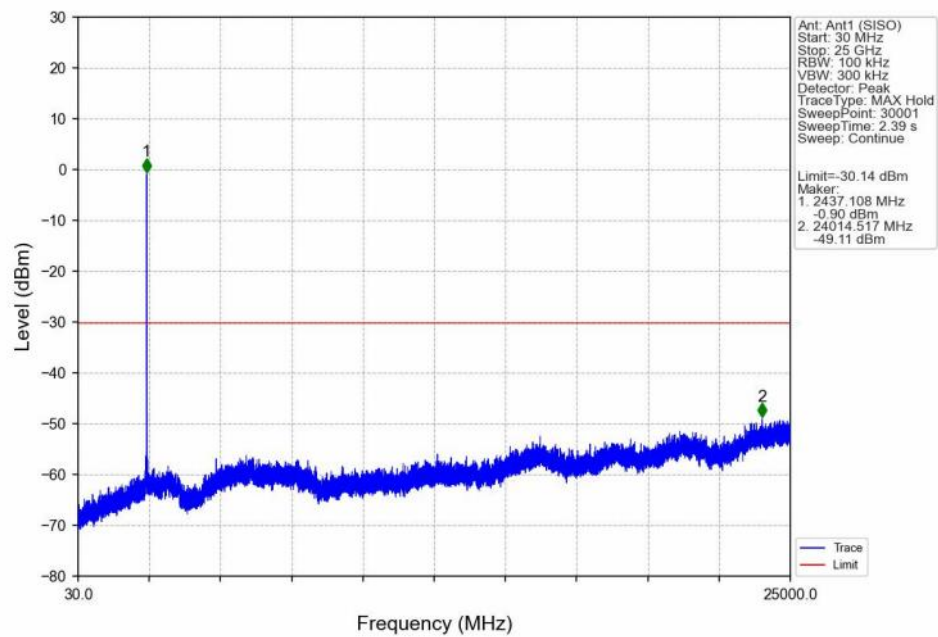
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



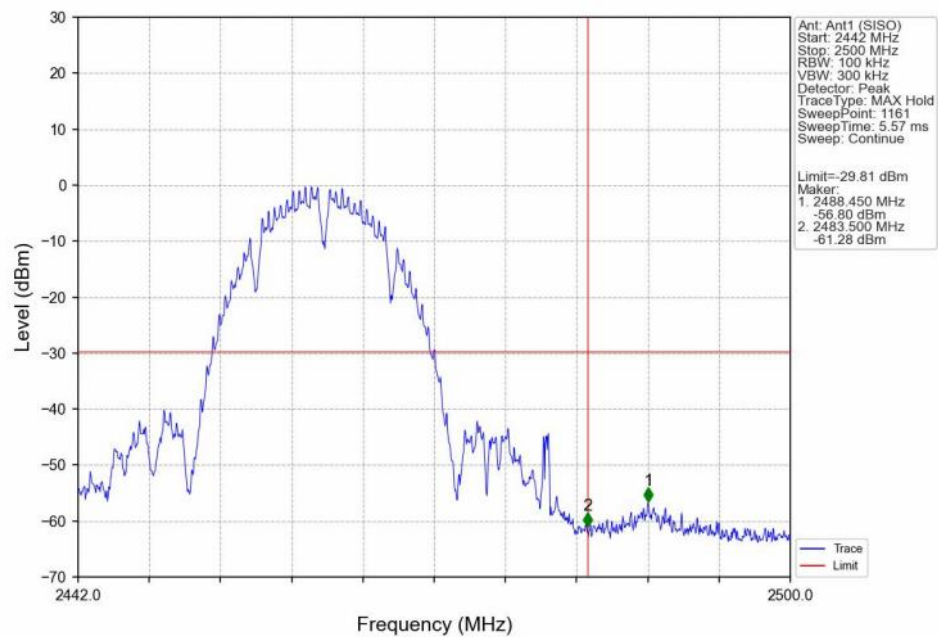
5.2.2 CSE



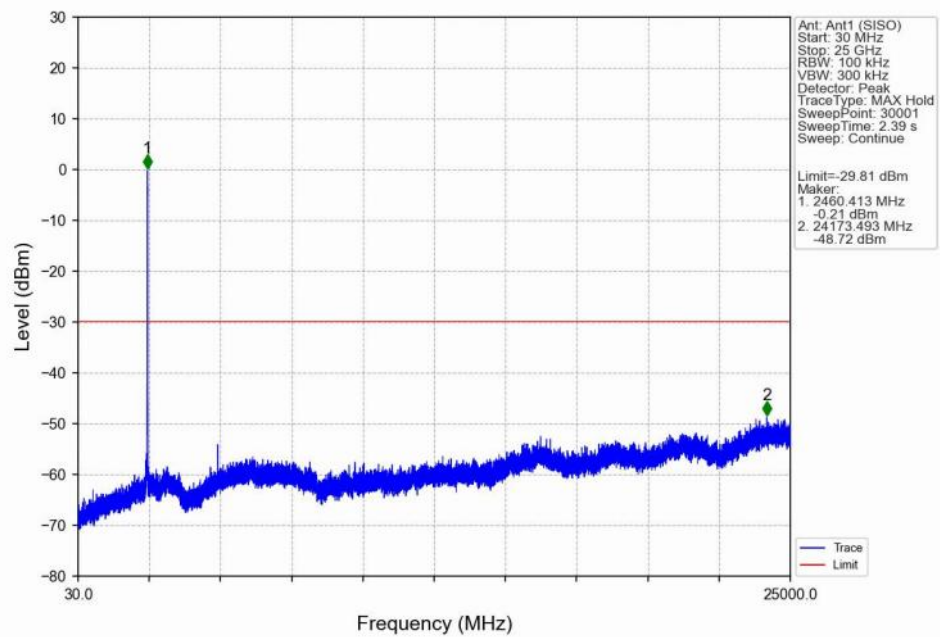
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



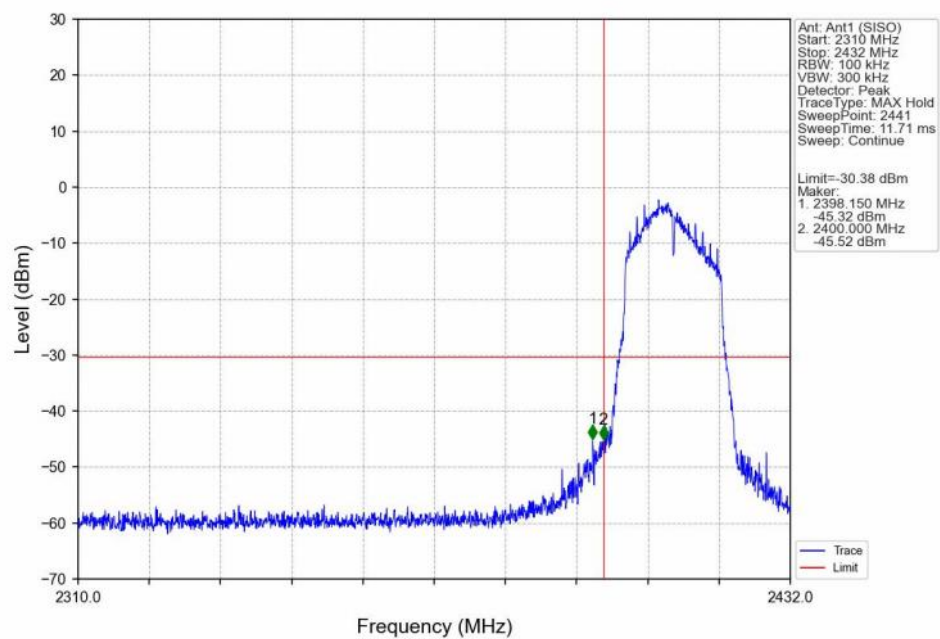
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



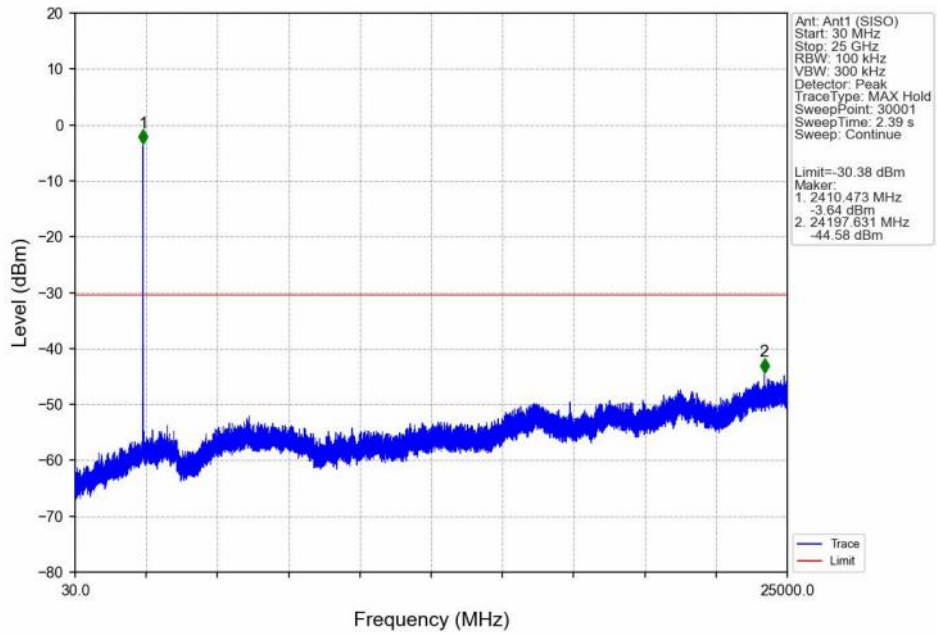
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



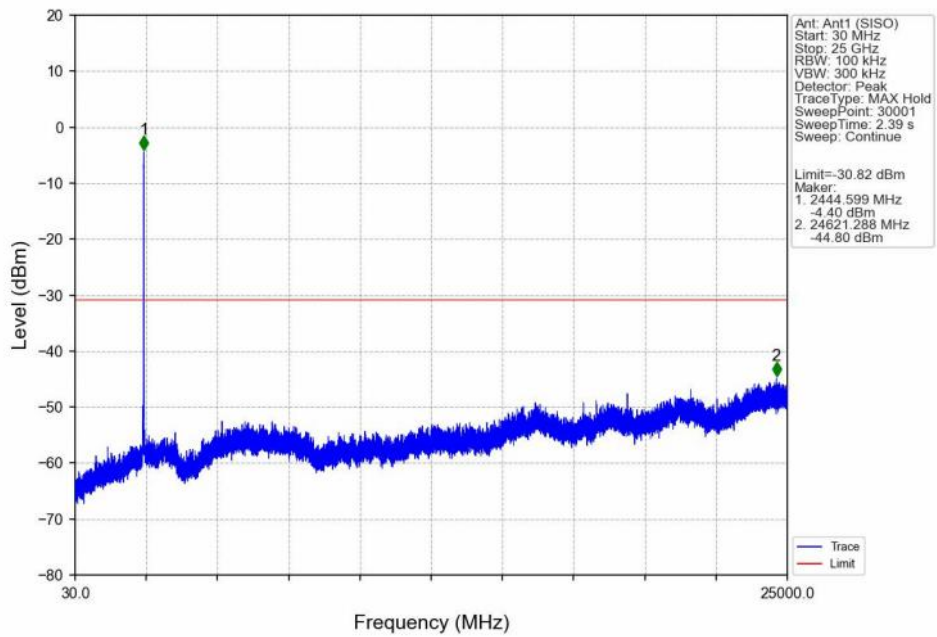
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



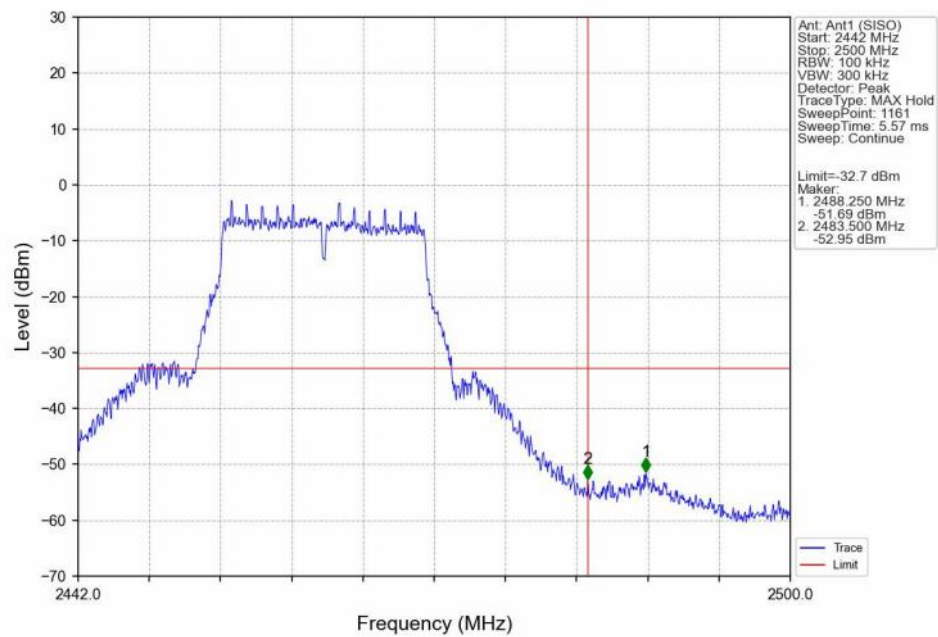
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



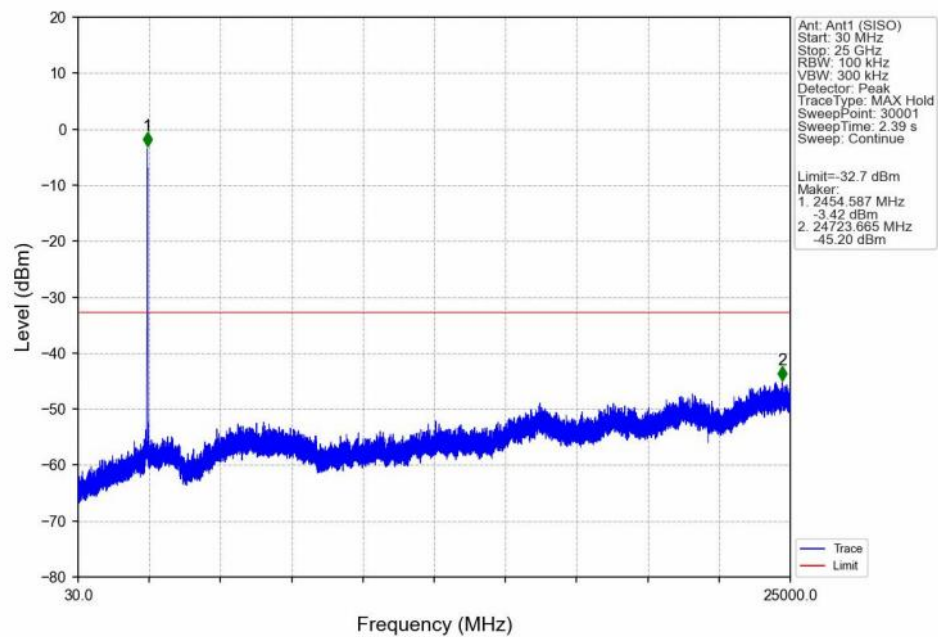
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



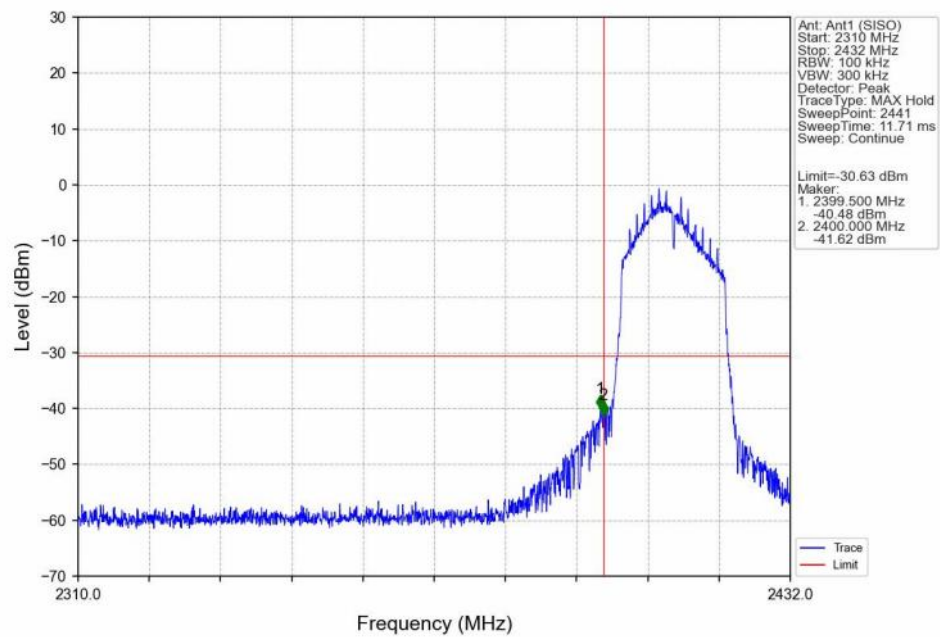
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



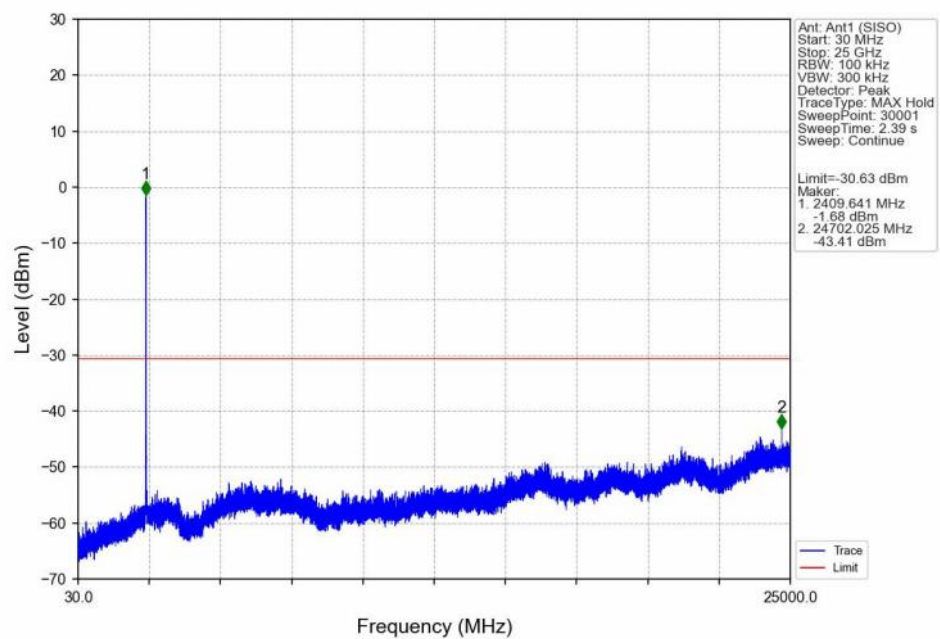
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



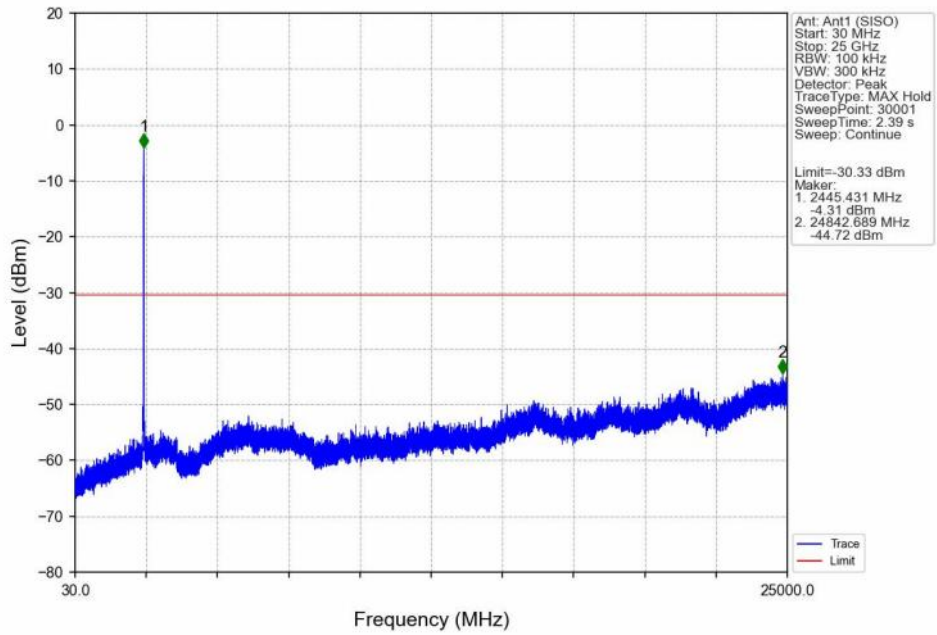
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



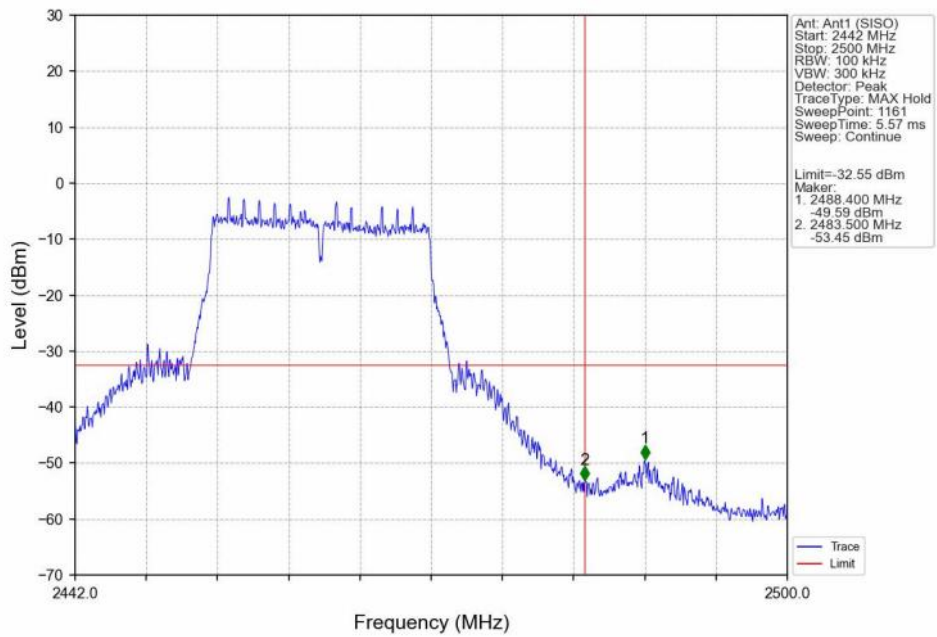
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

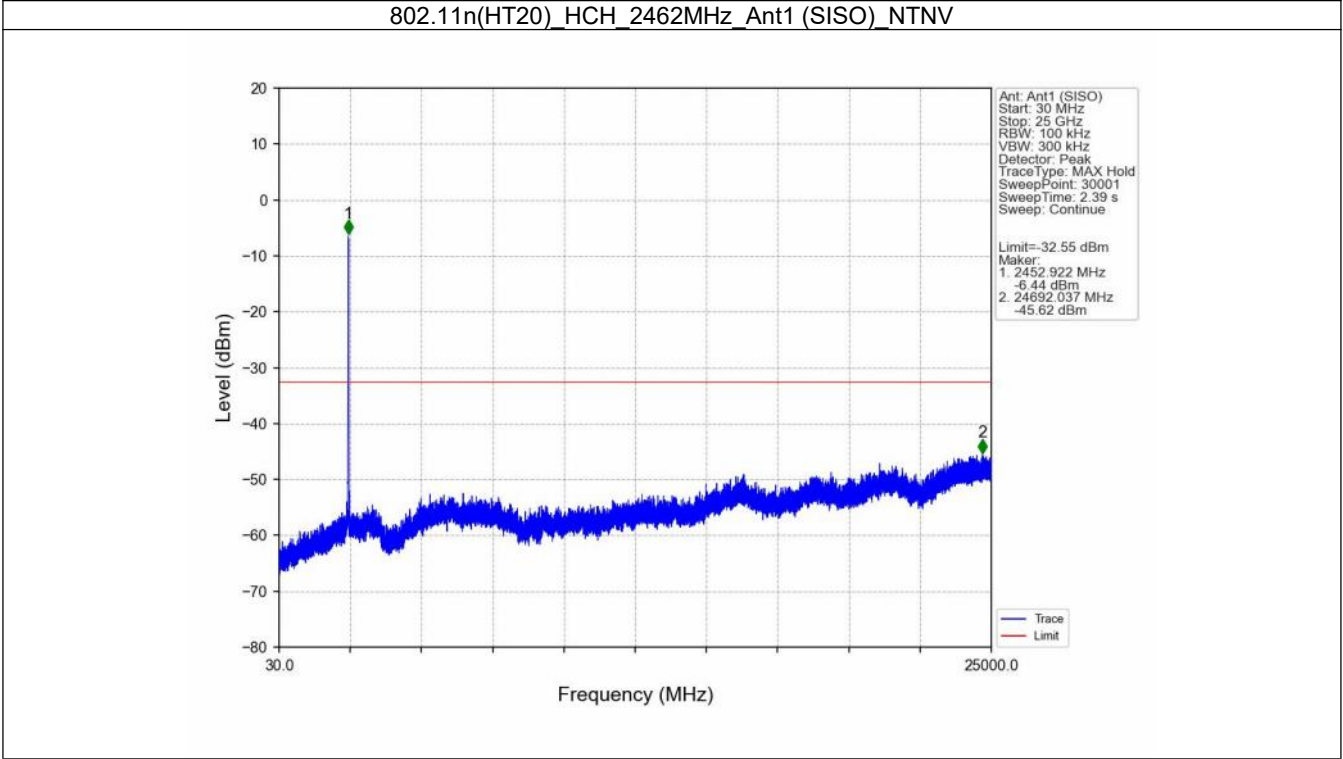


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV





THE END