

RF Test Data

For

Project No.:	ZKT-260820L1366E
Client:	JVISMall Co., Ltd
Manufacturer:	JVISMall Co., Ltd
Product Description:	Wireless USB Adapter
Test model:	J11
Test Engineer:	Jim Liu
Test Date:	2026-08-10

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass

1. Duty Cycle

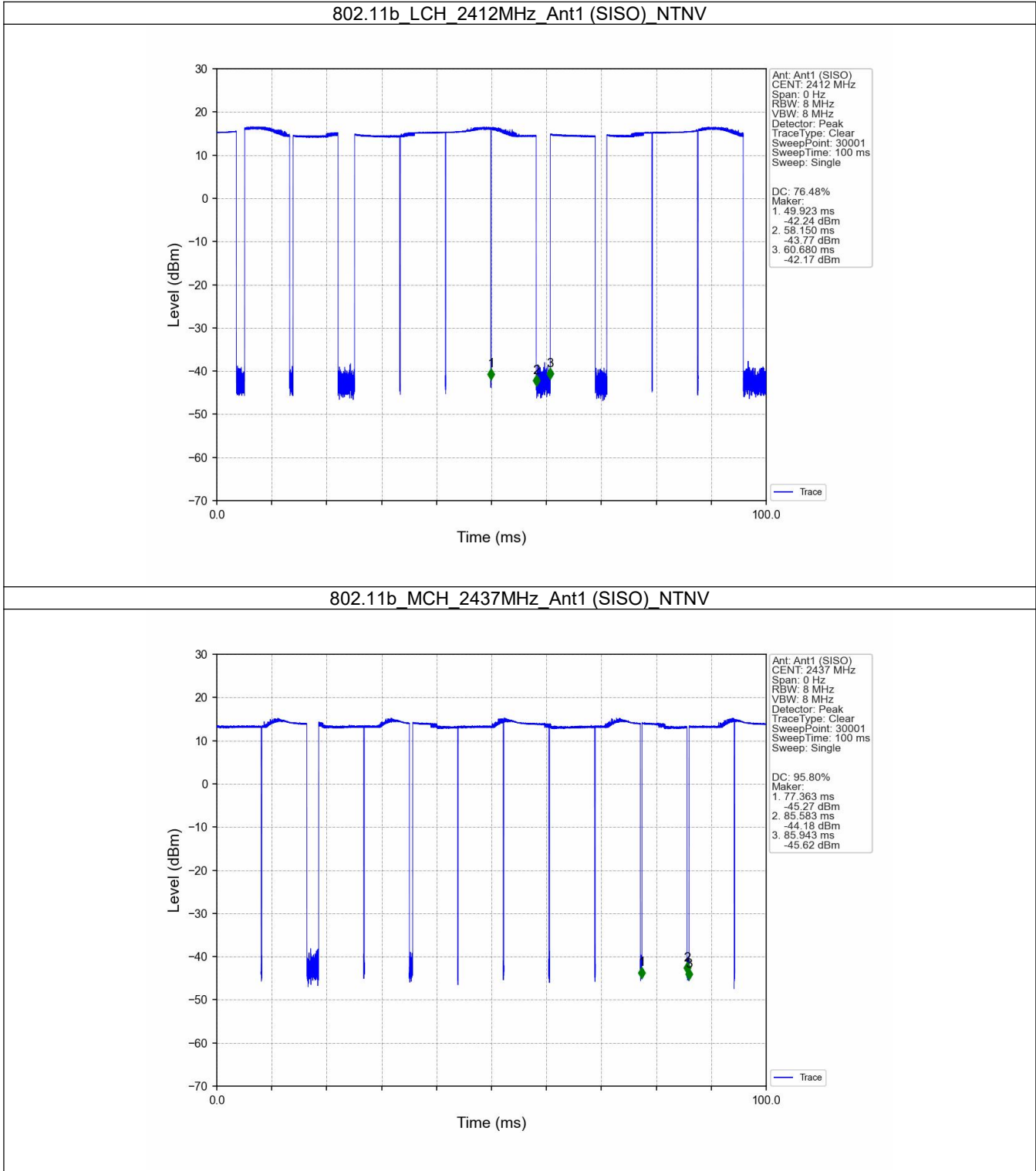
1.1 Test Result

1.1.1 Ant1

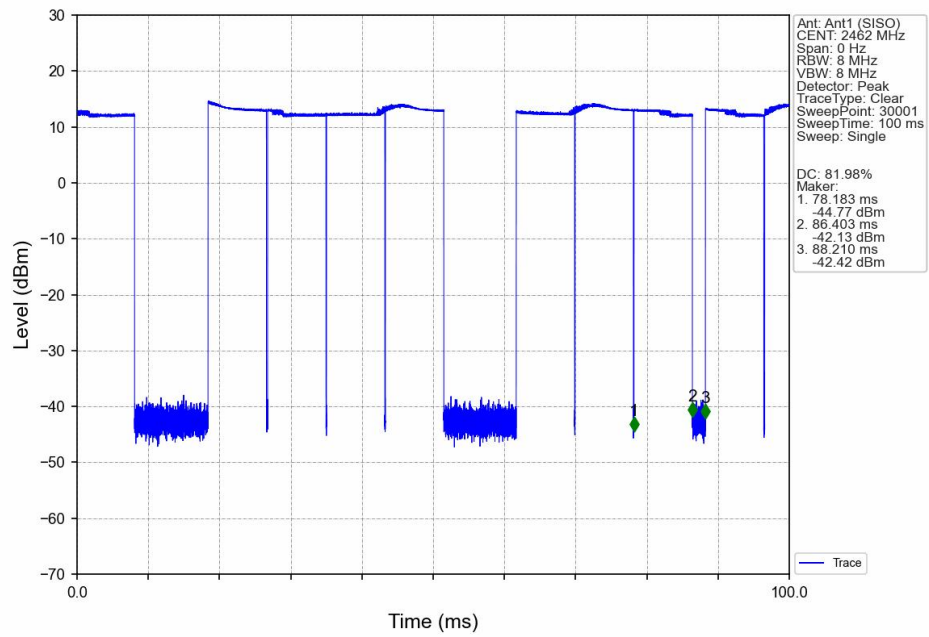
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.227	10.757	76.48	1.16	23.29
		2437	8.220	8.580	95.80	0.19	3.11
		2462	8.220	10.027	81.98	0.86	17.42
802.11g	SISO	2412	1.361	3.548	38.36	4.16	56.68
		2437	1.364	1.531	89.09	0.50	7.98
		2462	1.366	1.522	89.75	0.47	8.09
802.11n (HT20)	SISO	2412	1.274	7.440	17.12	7.66	79.58
		2437	1.275	2.125	60.00	2.22	37.50
		2462	1.277	1.442	88.56	0.53	8.51
802.11n (HT40)	SISO	2422	0.636	4.004	15.88	7.99	78.12
		2437	0.633	0.776	81.57	0.88	11.93
		2452	0.633	1.441	43.93	3.57	49.57

1.2 Test Graph

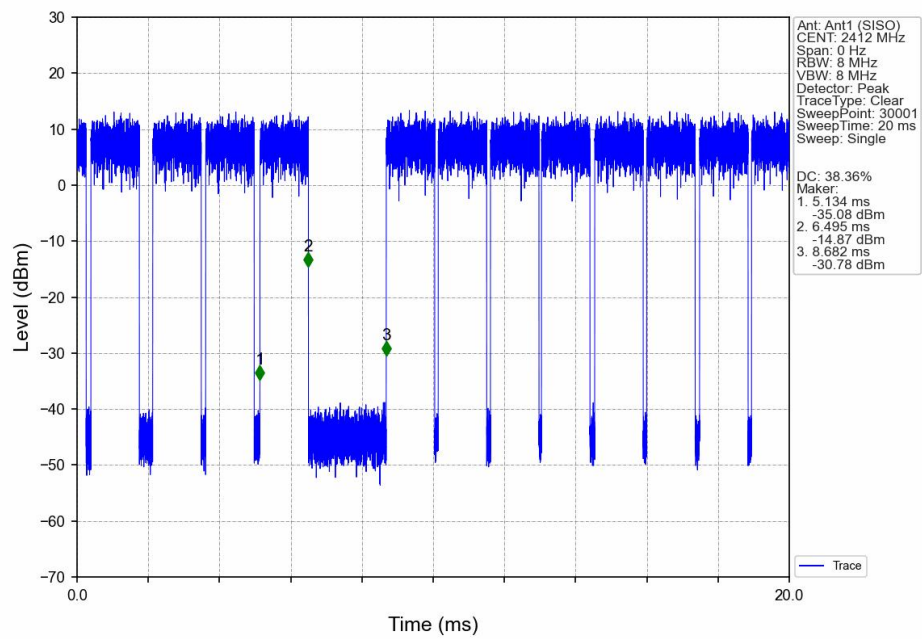
1.2.1 Ant1



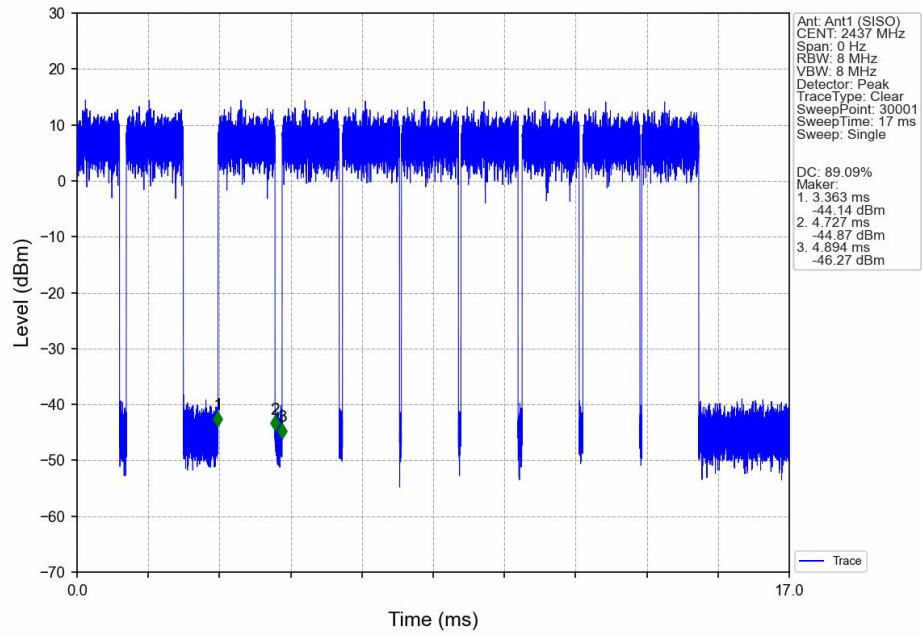
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



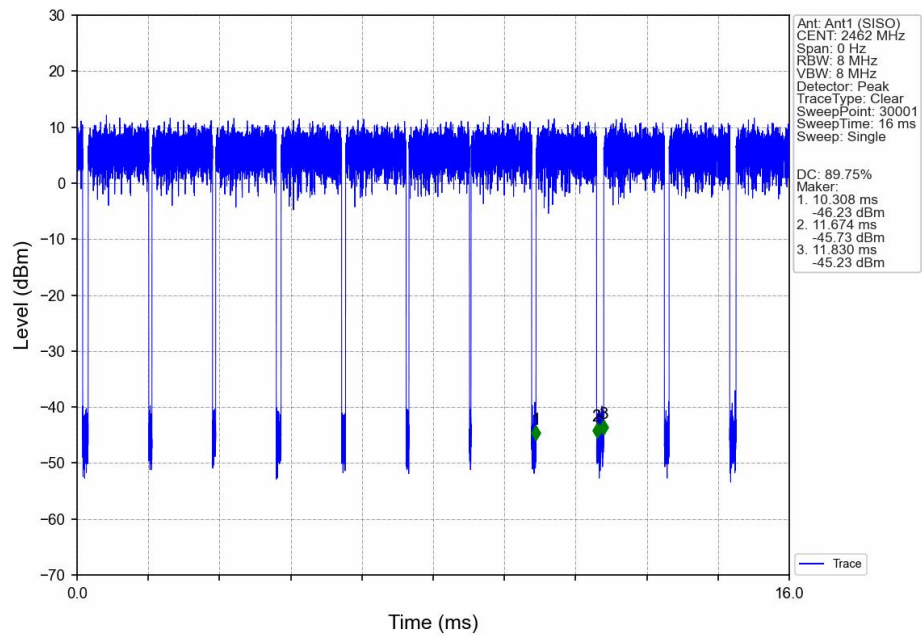
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



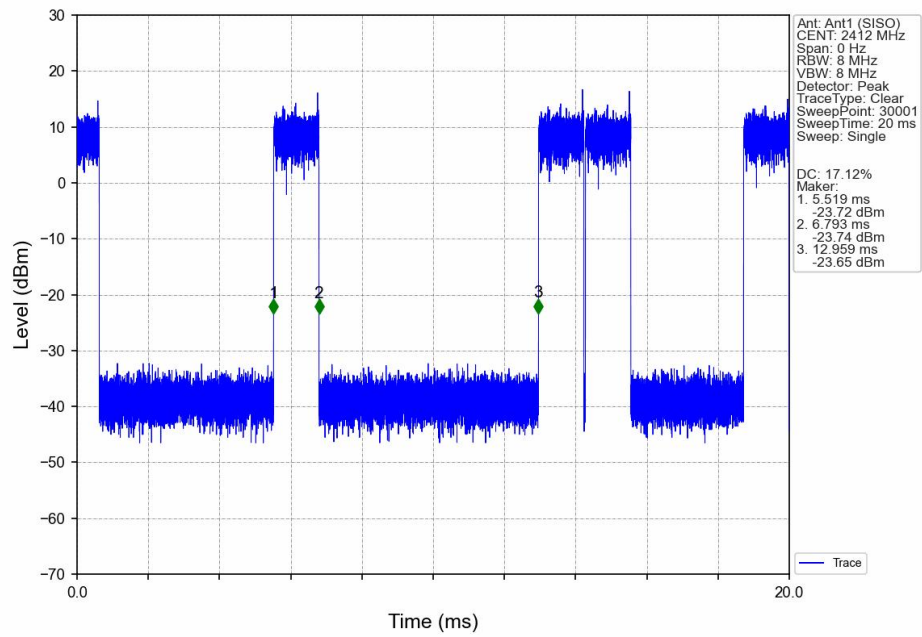
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



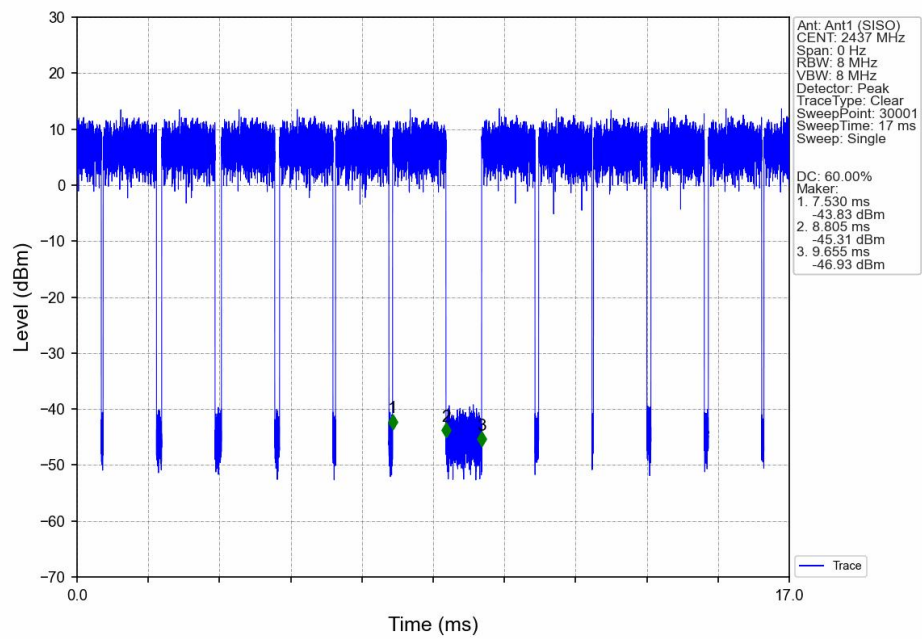
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



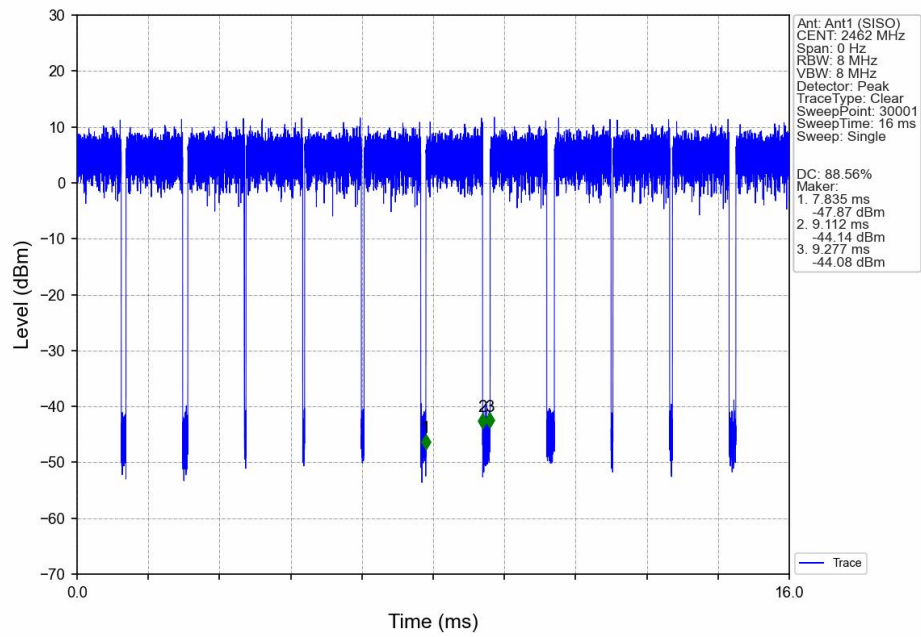
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



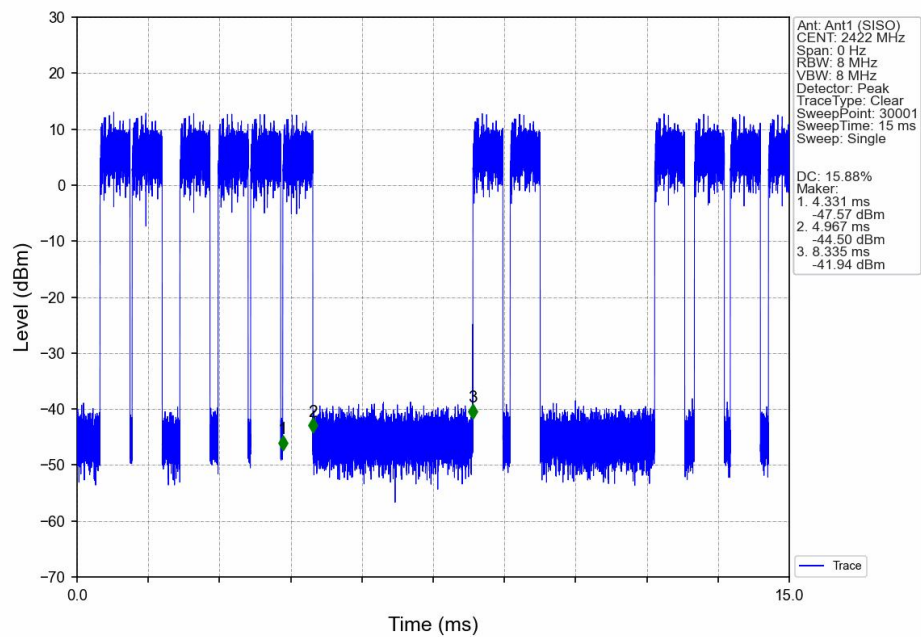
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



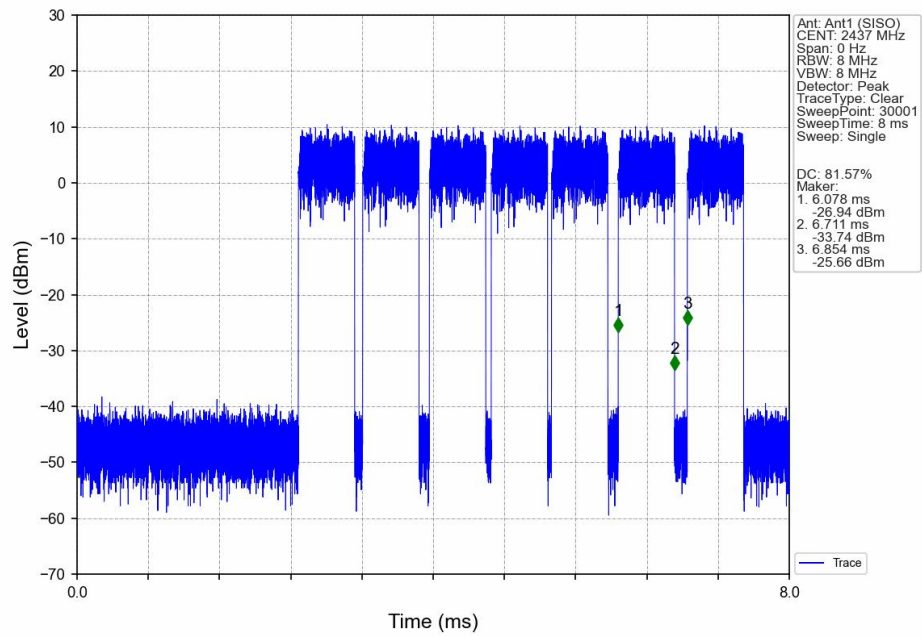
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



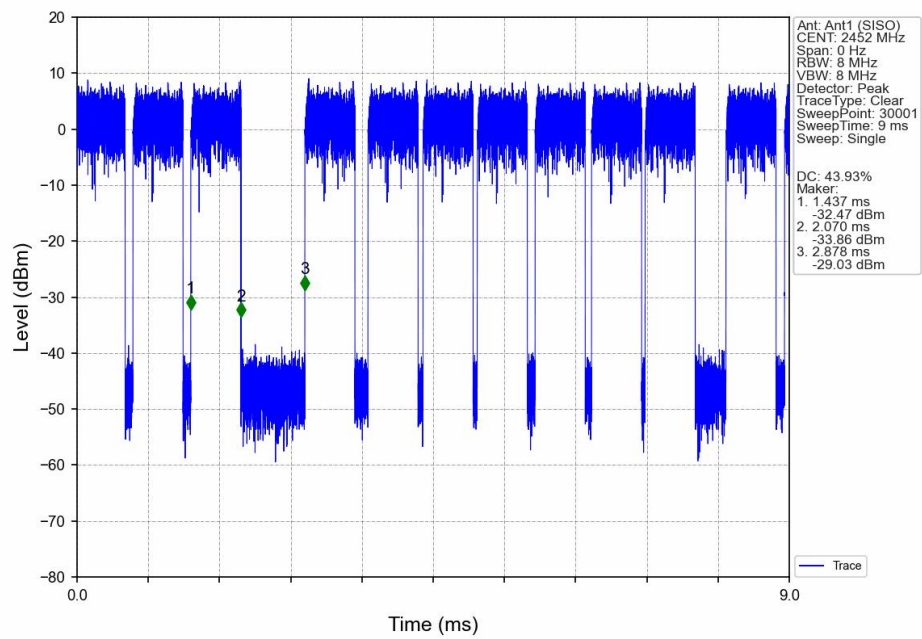
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

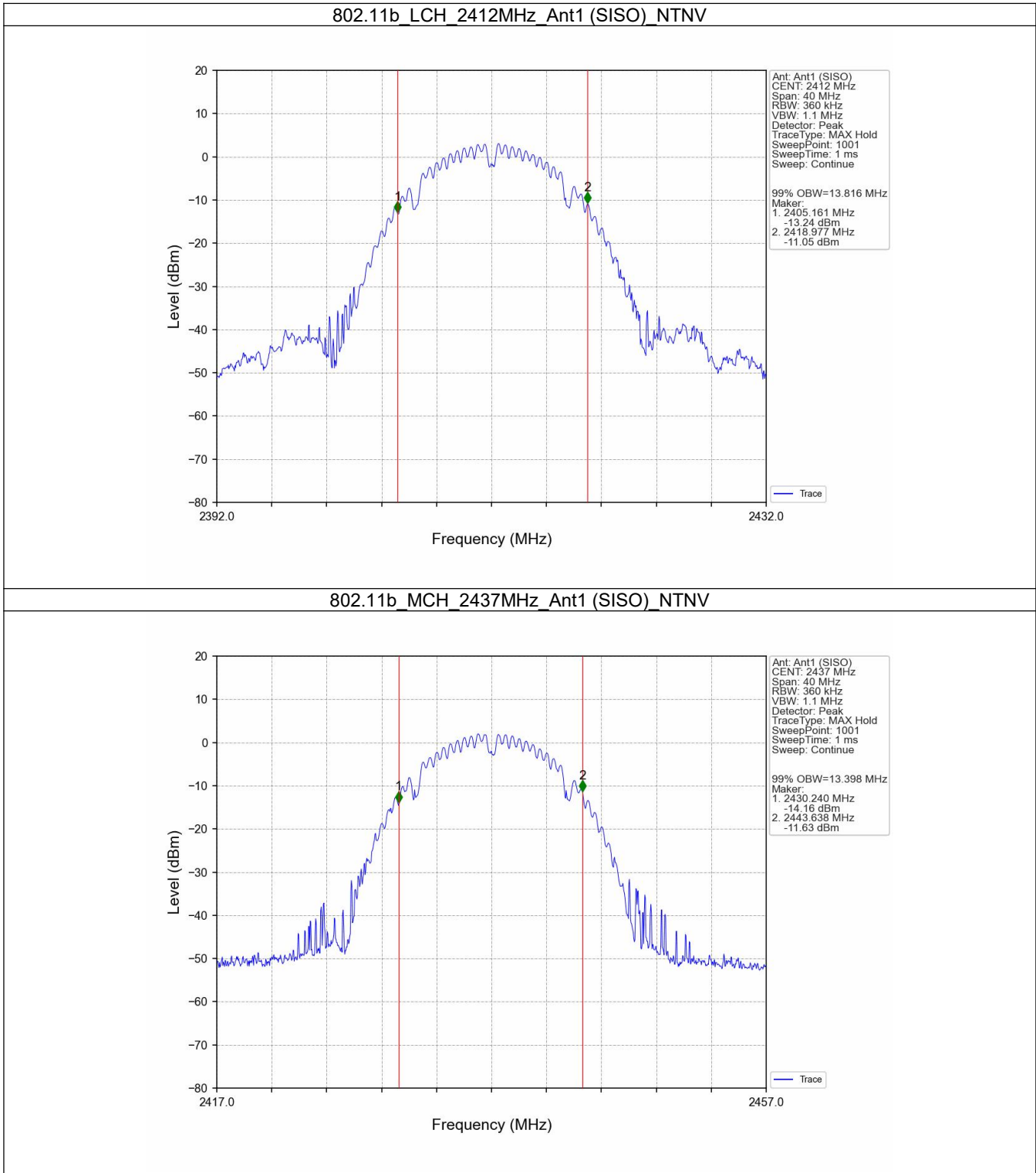
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.816	/	Pass
		2437	1	13.398	/	Pass
		2462	1	13.330	/	Pass
802.11g	SISO	2412	1	17.545	/	Pass
		2437	1	17.631	/	Pass
		2462	1	17.588	/	Pass
802.11n (HT20)	SISO	2412	1	18.461	/	Pass
		2437	1	18.467	/	Pass
		2462	1	18.482	/	Pass
802.11n (HT40)	SISO	2422	1	36.686	/	Pass
		2437	1	36.795	/	Pass
		2452	1	36.765	/	Pass

2.1.2 6dB BW

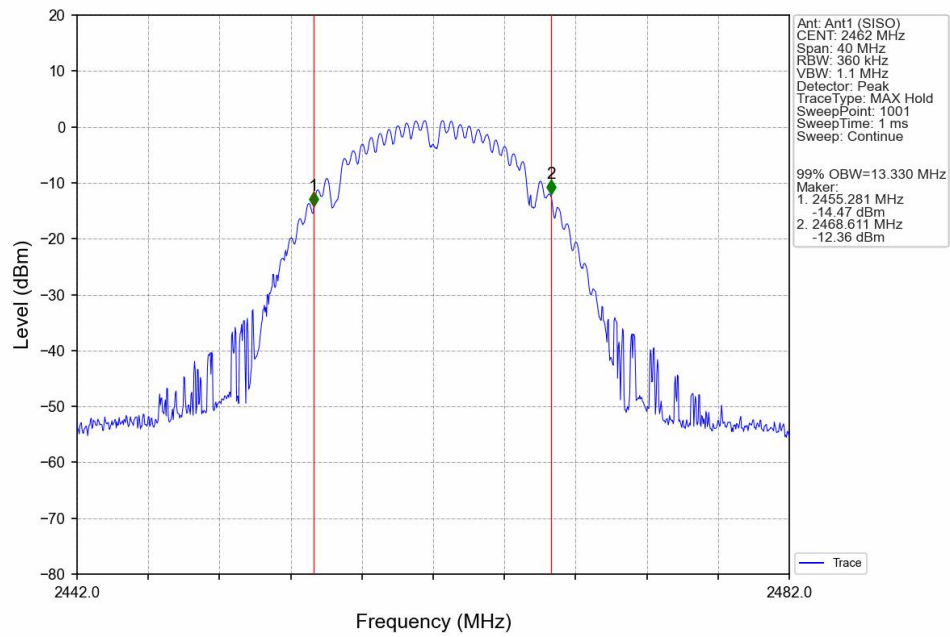
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.215	≥ 0.5	Pass
		2437	1	9.178	≥ 0.5	Pass
		2462	1	8.737	≥ 0.5	Pass
802.11g	SISO	2412	1	16.497	≥ 0.5	Pass
		2437	1	16.526	≥ 0.5	Pass
		2462	1	16.492	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.662	≥ 0.5	Pass
		2437	1	17.720	≥ 0.5	Pass
		2462	1	17.635	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.101	≥ 0.5	Pass
		2437	1	36.624	≥ 0.5	Pass
		2452	1	36.257	≥ 0.5	Pass

2.2 Test Graph

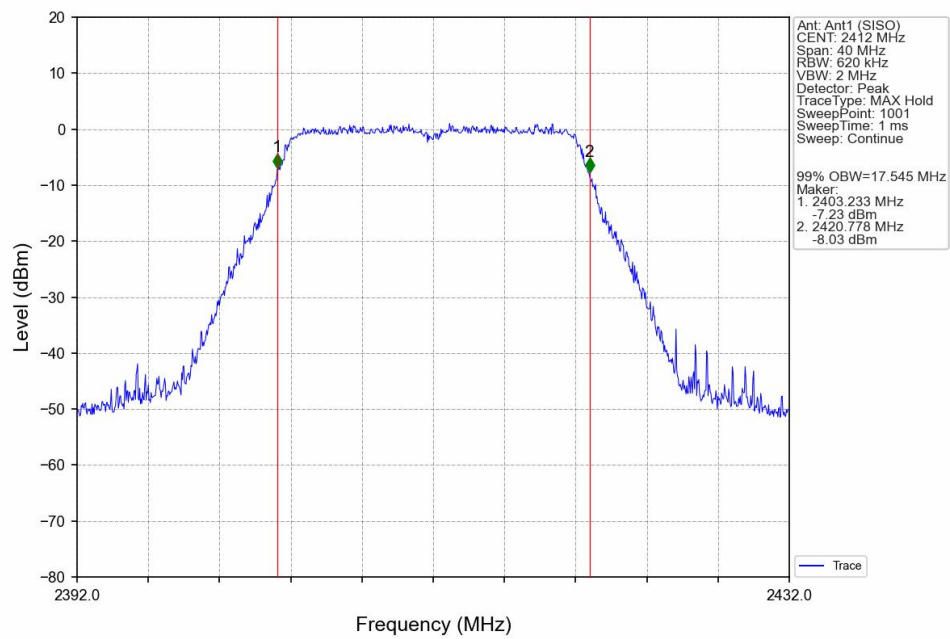
2.2.1 OBW



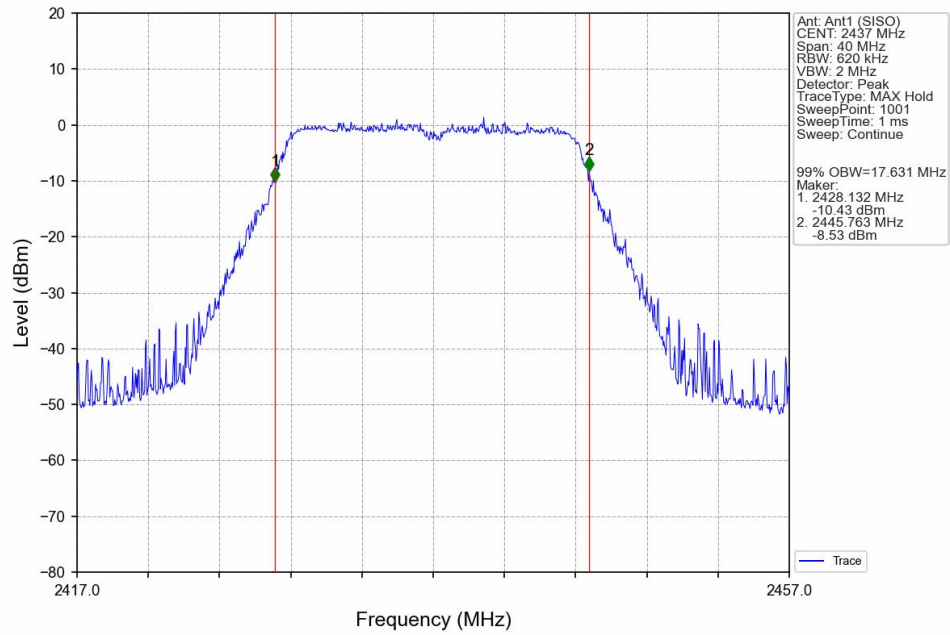
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



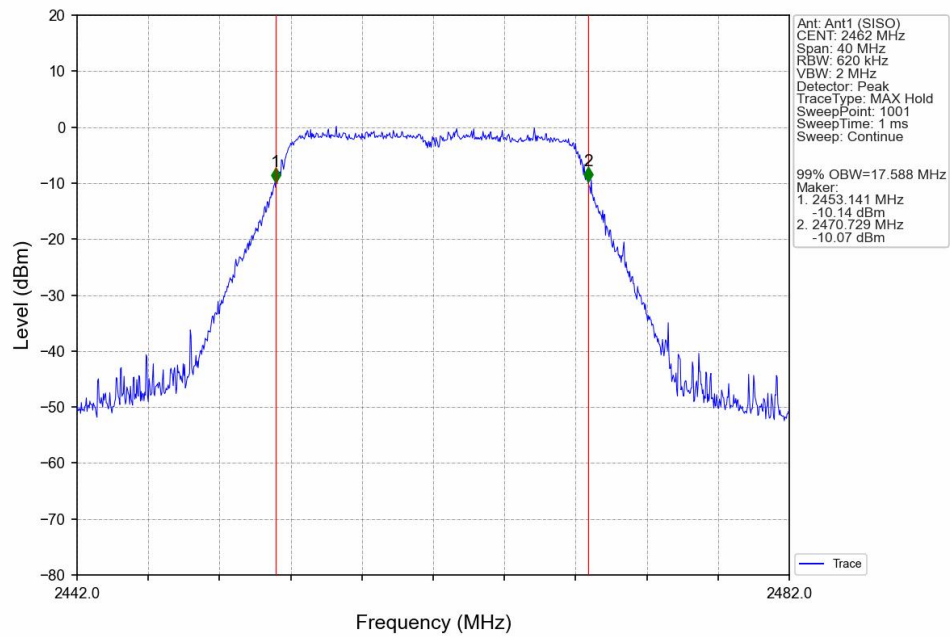
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



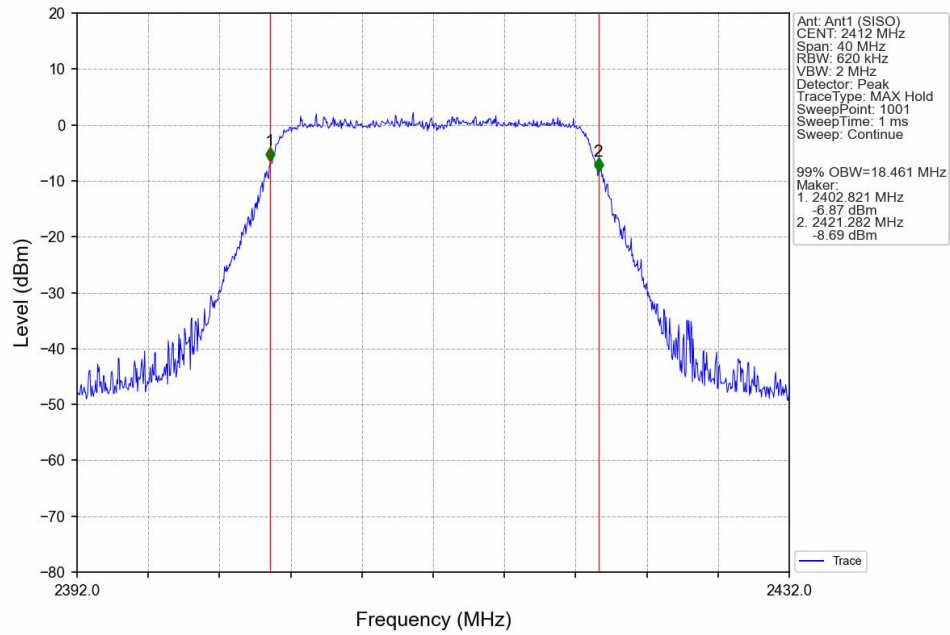
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



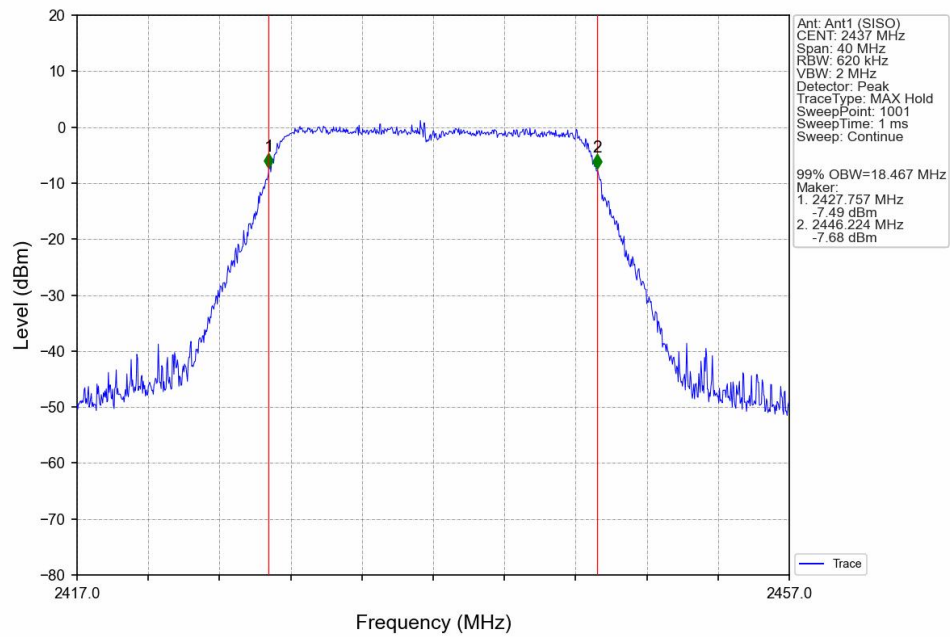
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



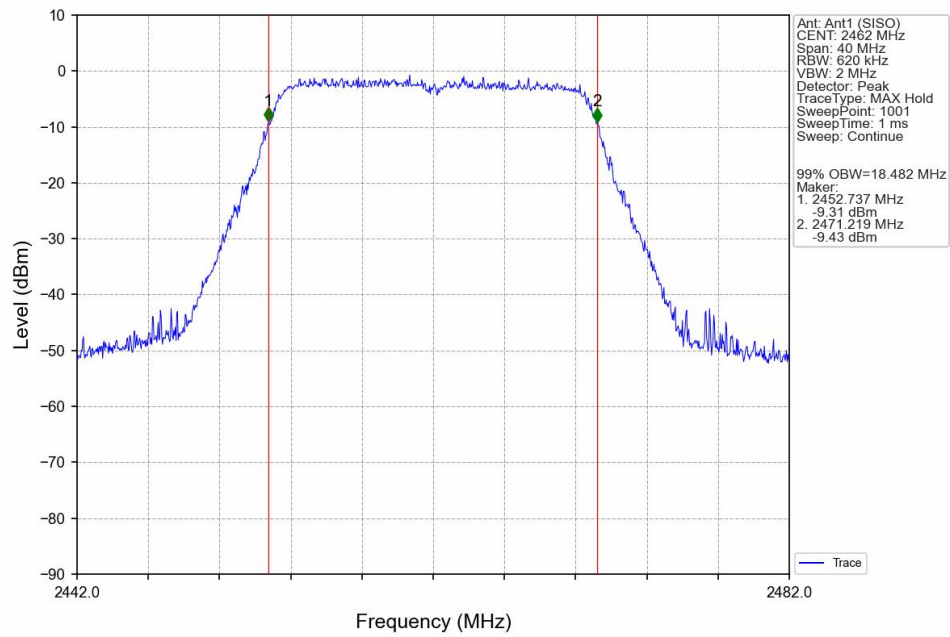
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



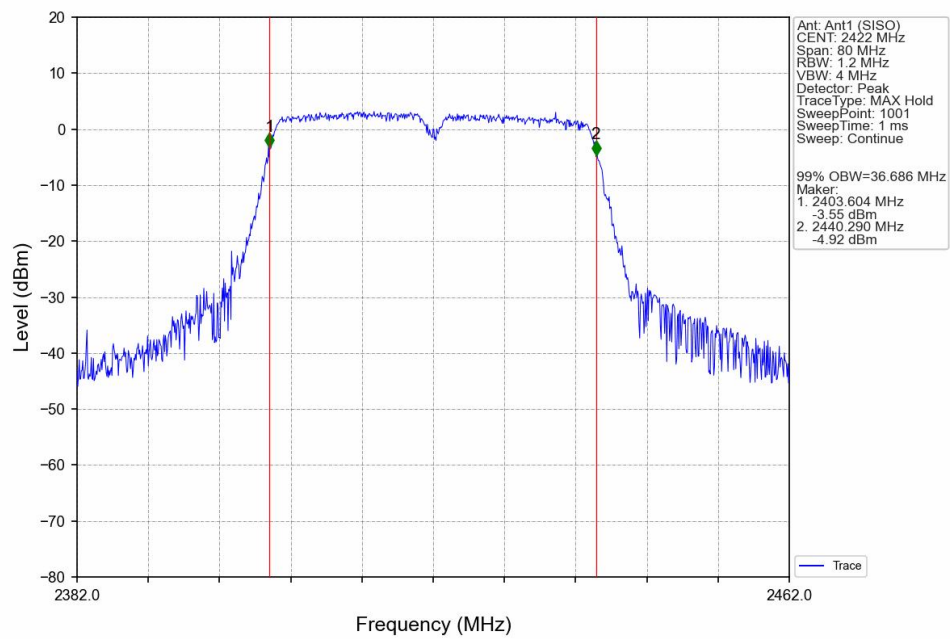
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



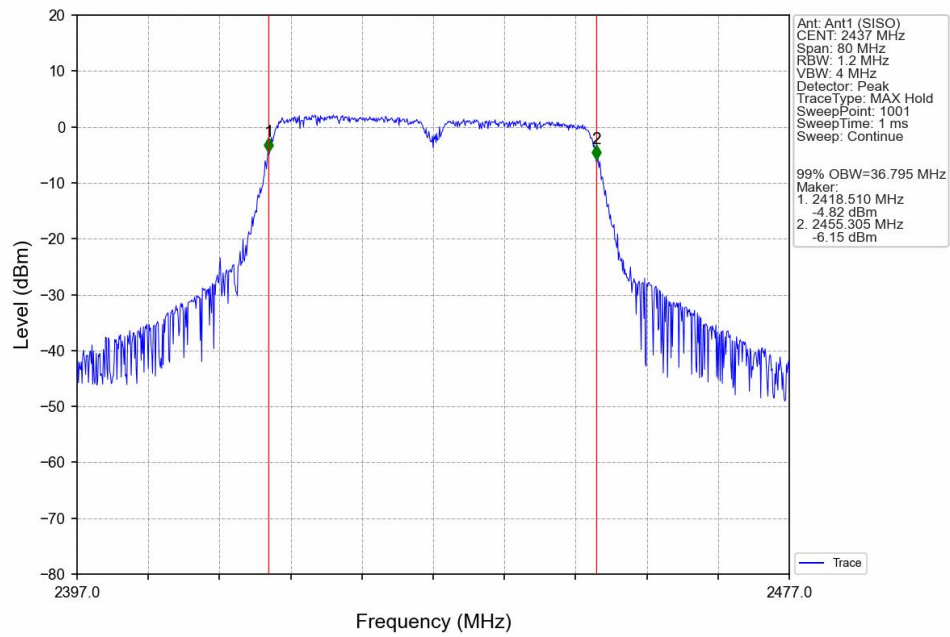
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



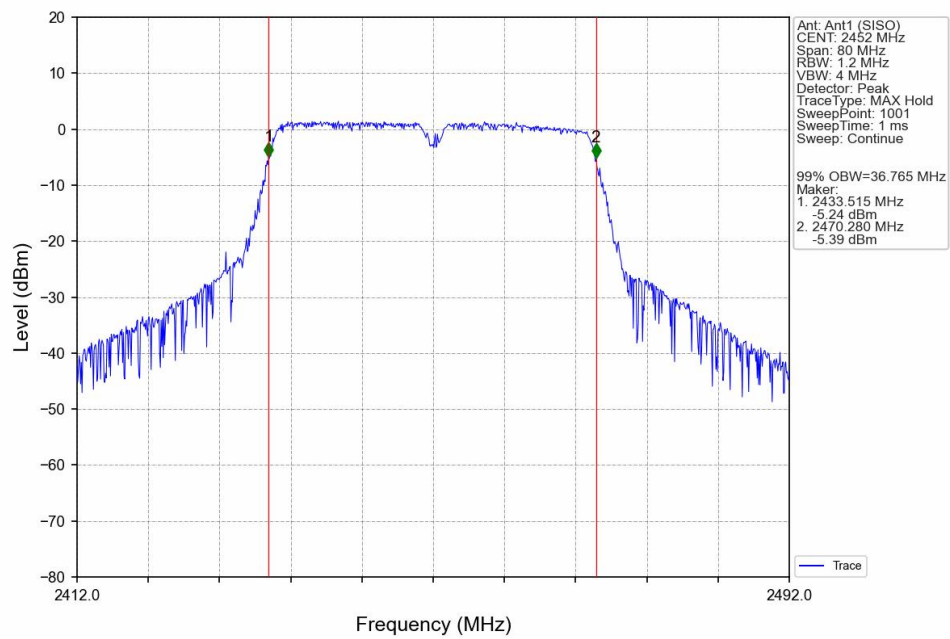
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



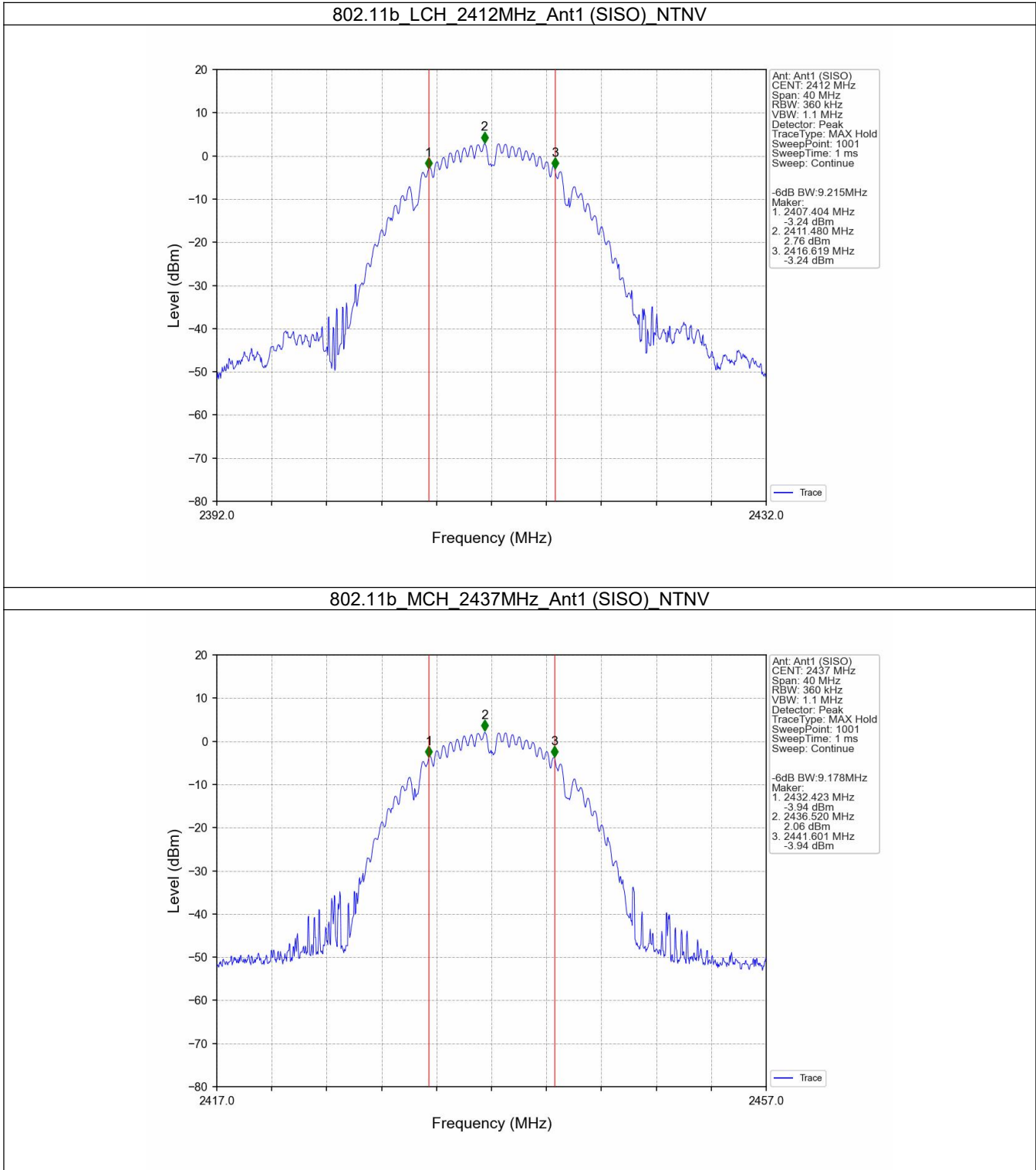
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



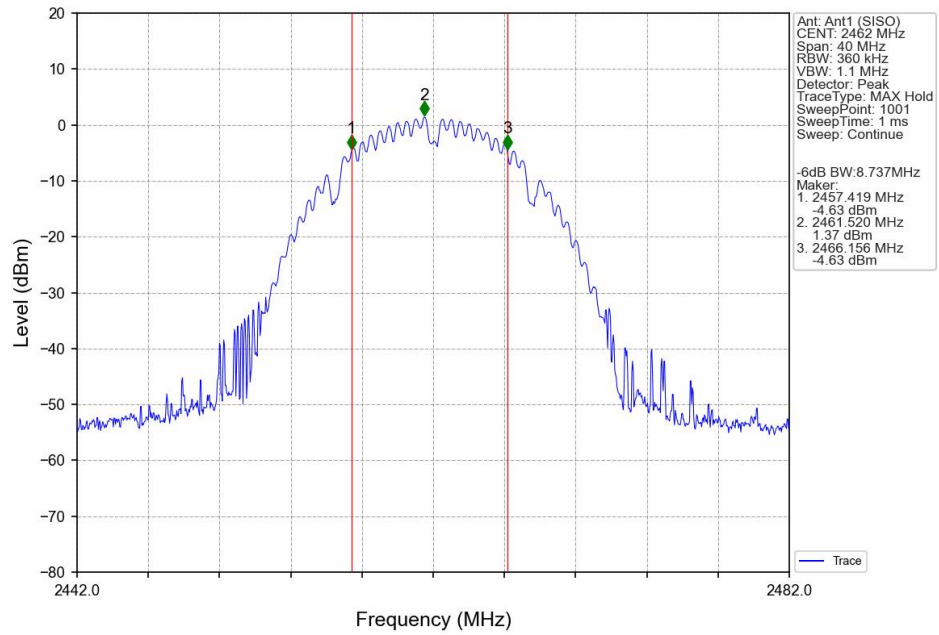
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



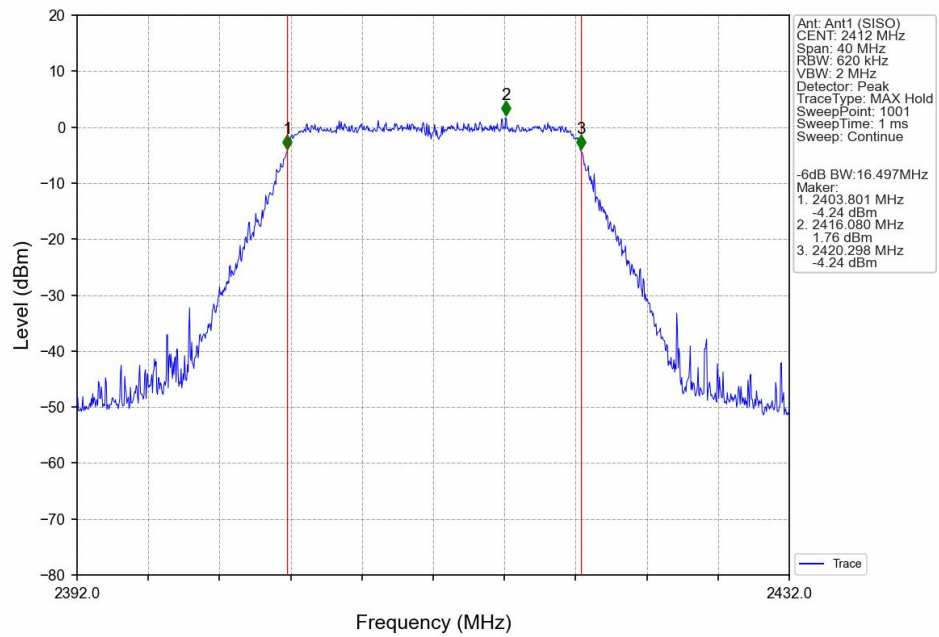
2.2.2 6dB BW



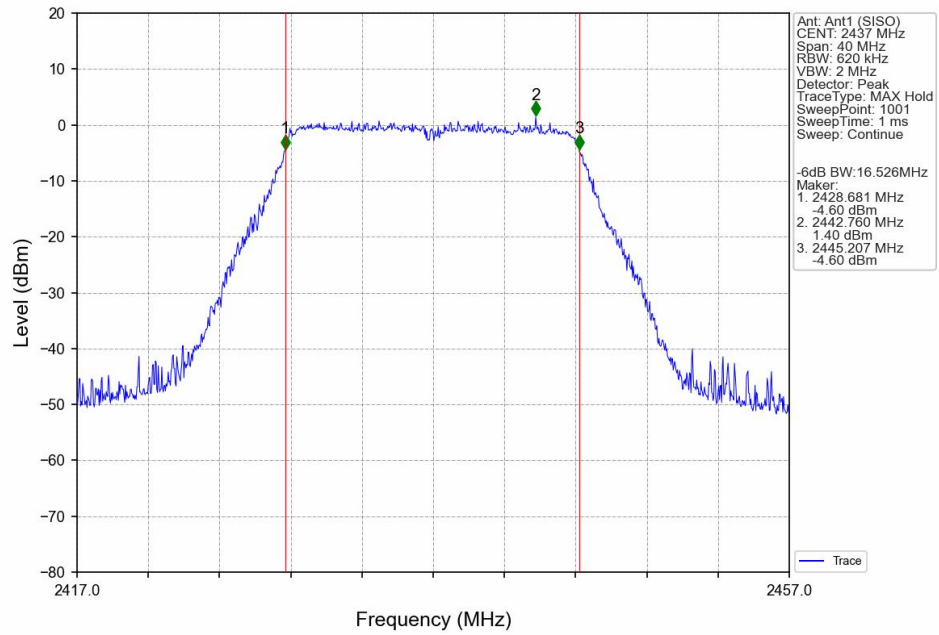
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



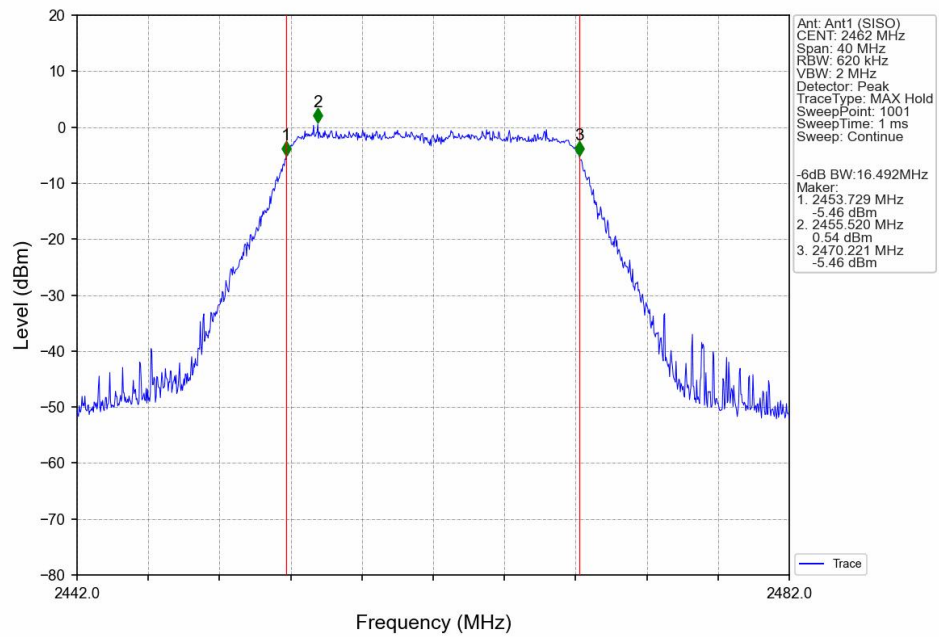
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



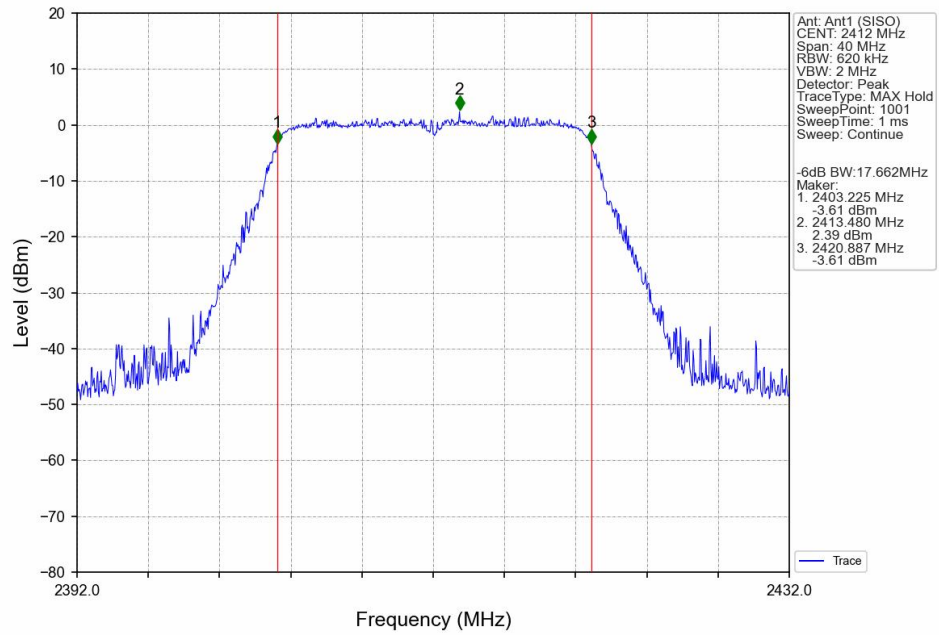
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



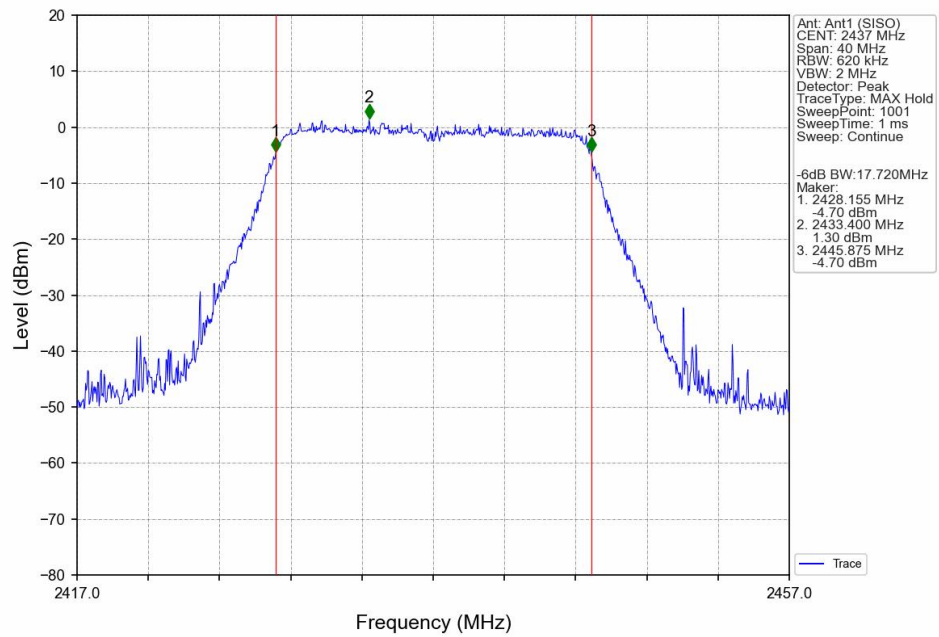
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



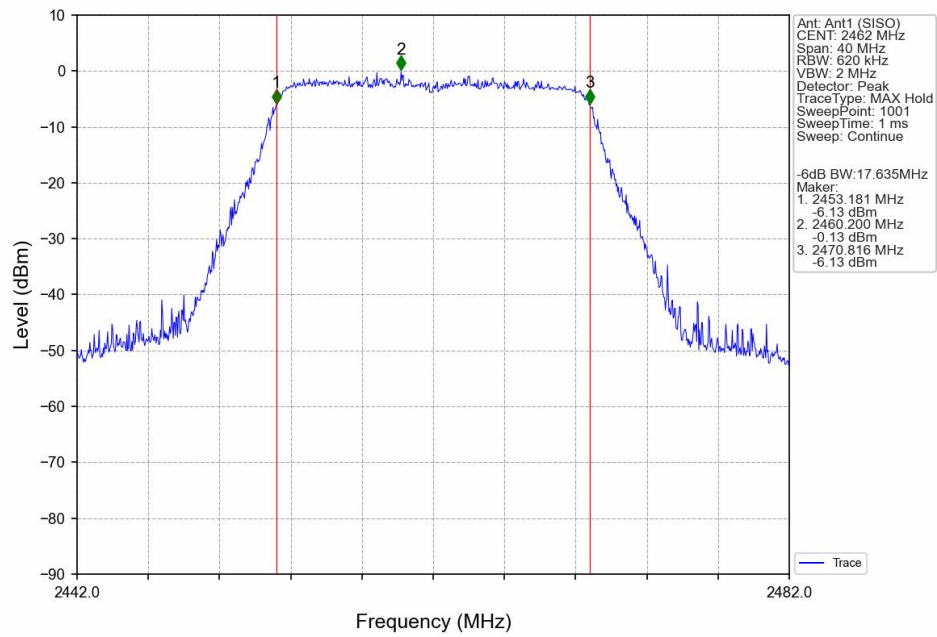
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



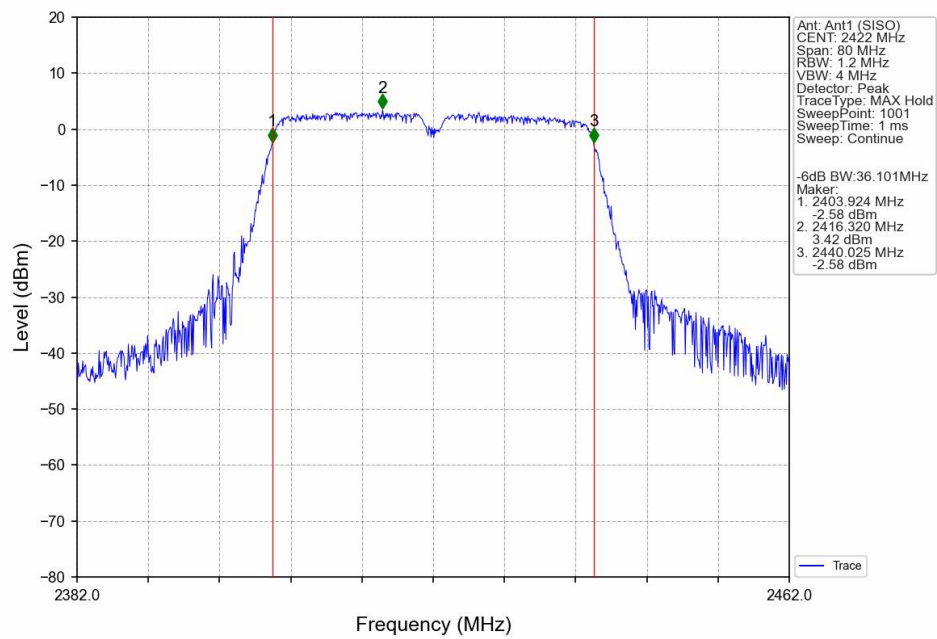
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



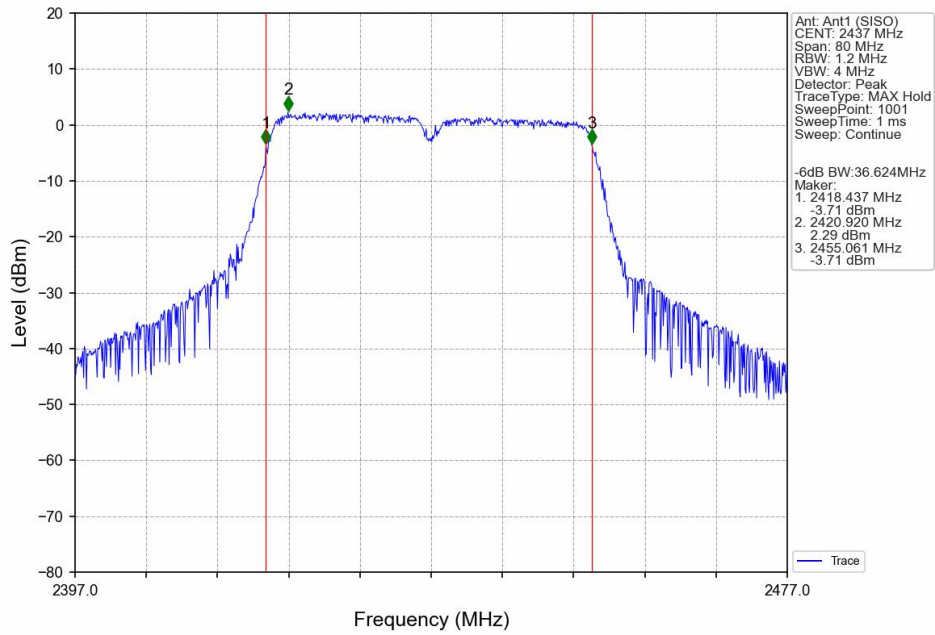
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



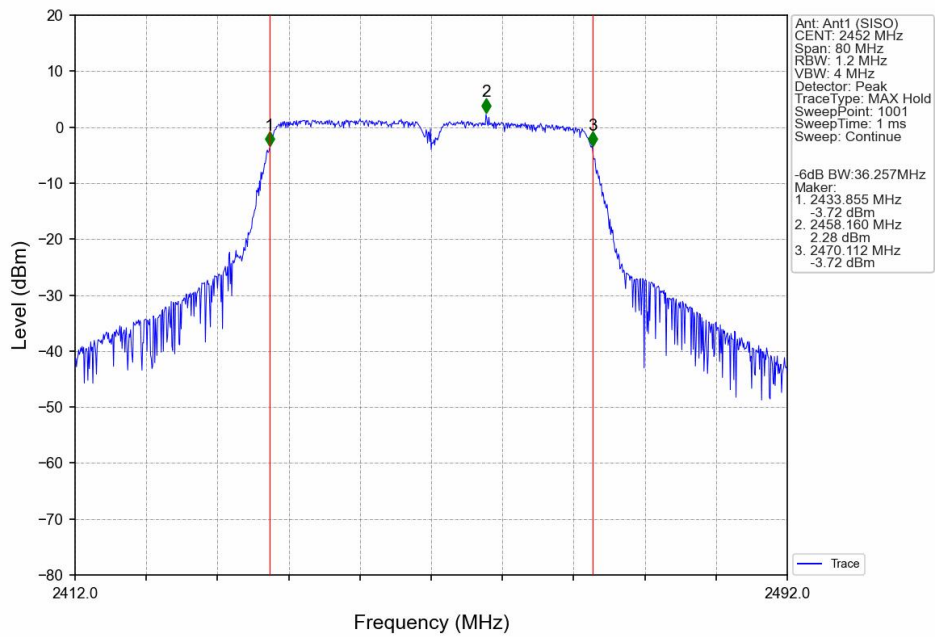
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Duty Cycle Correction Factor (dB)	Maximum Average Conducted Output Power (dBm)	Maximum Average Conducted Output Power (dBm)	Limit	Verdict
802.11b	SISO	2412	1.16	7.41	8.570	<=30	Pass
		2437	0.19	7.77	7.960	<=30	Pass
		2462	0.86	7.61	8.470	<=30	Pass
802.11g	SISO	2412	4.16	4.35	8.510	<=30	Pass
		2437	0.50	5.42	5.920	<=30	Pass
		2462	0.47	5.13	5.600	<=30	Pass
802.11n (HT20)	SISO	2412	7.66	0.62	8.280	<=30	Pass
		2437	2.22	1.09	3.310	<=30	Pass
		2462	0.53	1.48	2.010	<=30	Pass
802.11n (HT40)	SISO	2422	7.99	0.52	8.510	<=30	Pass
		2437	0.88	1.01	1.890	<=30	Pass
		2452	3.57	1.92	5.490	<=30	Pass
Note1: Antenna Gain: Ant1: 2.55dBi; Note2:Maximum Average Conducted Output=Duty Cycle Factor +Measurement Average Conducted							

4. Maximum Power Spectral Density

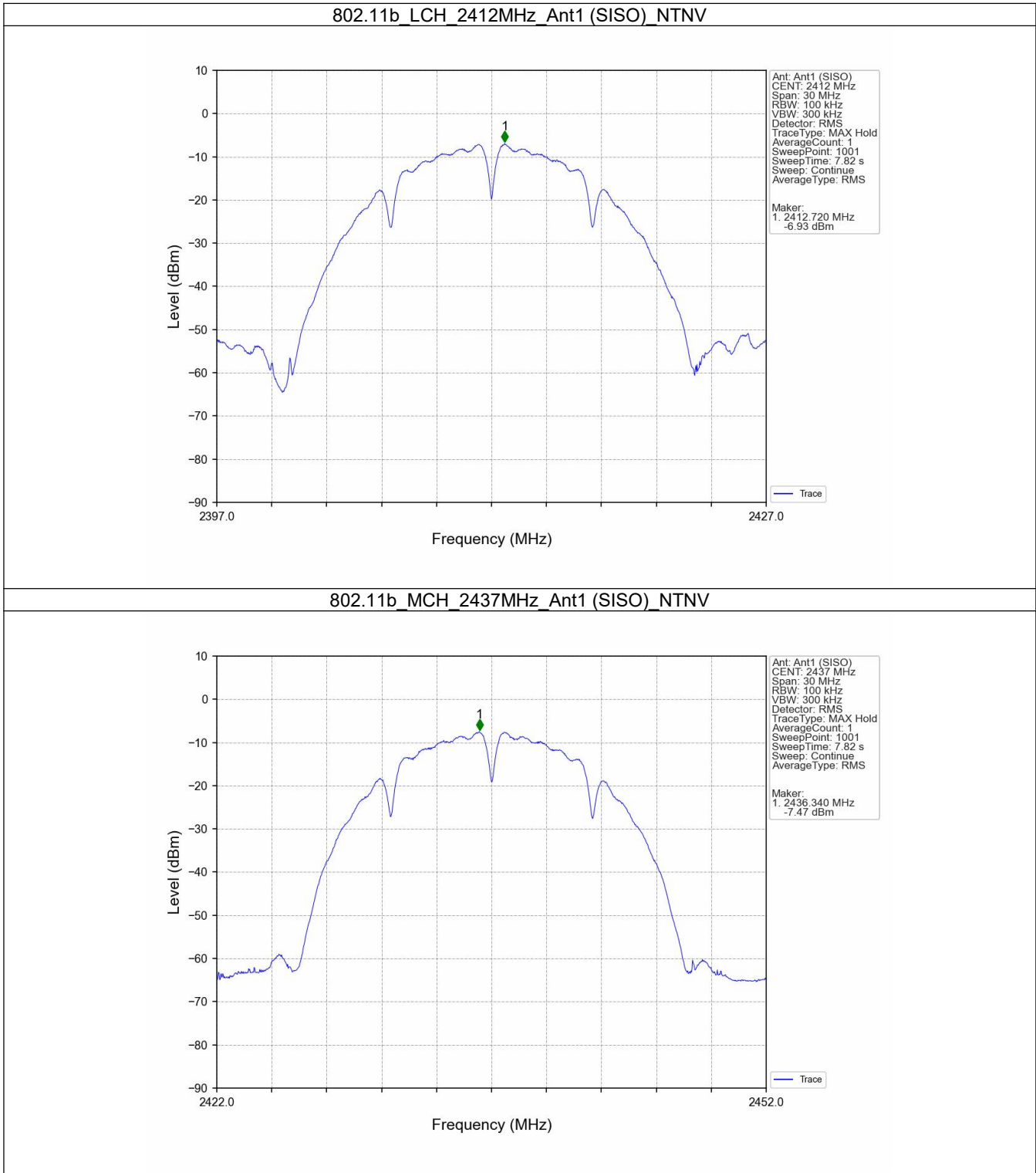
4.1 Test Result

4.1.1 PSD

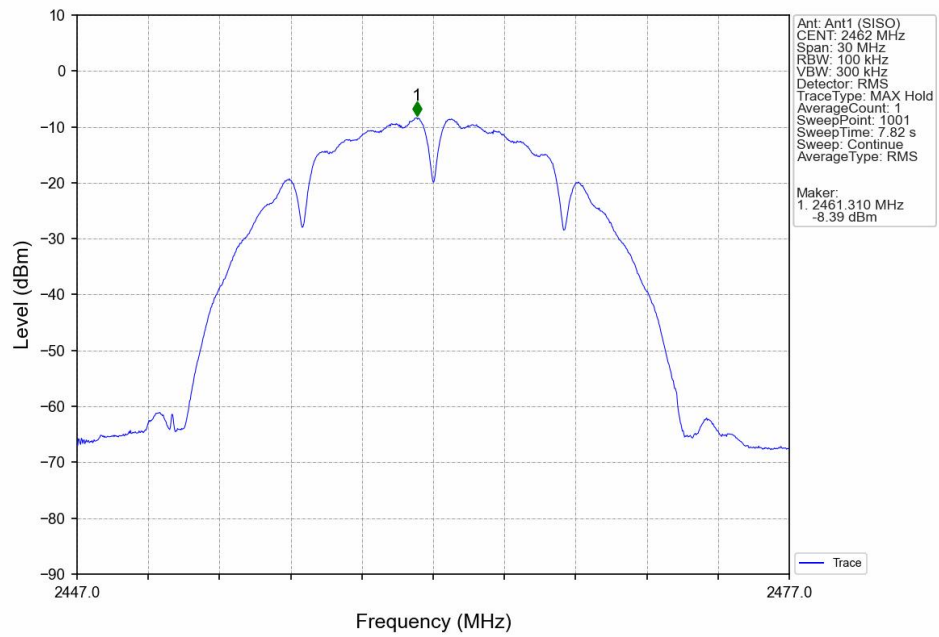
Mode	TX Type	Frequency (MHz)	Duty Cycle Correction Factor (dB)	Measure Average Conducted Output PSD(dBm)	Maximum Average Conducted Output PSD (dBm)	Limit	Verdict
802.11b	SISO	2412	1.16	-8.09	-6.93	<=8	Pass
		2437	0.19	-7.66	-7.47	<=8	Pass
		2462	0.86	-9.25	-8.39	<=8	Pass
802.11g	SISO	2412	4.16	-17.26	-13.10	<=8	Pass
		2437	0.50	-13.99	-13.49	<=8	Pass
		2462	0.47	-15.21	-14.74	<=8	Pass
802.11n (HT20)	SISO	2412	7.66	-20.31	-12.65	<=8	Pass
		2437	2.22	-15.58	-13.36	<=8	Pass
		2462	0.53	-15.64	-15.11	<=8	Pass
802.11n (HT40)	SISO	2422	7.99	-22.6	-14.61	<=8	Pass
		2437	0.88	-16.44	-15.56	<=8	Pass
		2452	3.57	-19.96	-16.39	<=8	Pass
Note1: Antenna Gain: Ant1: 2.55dBi;							

4.2 Test Graph

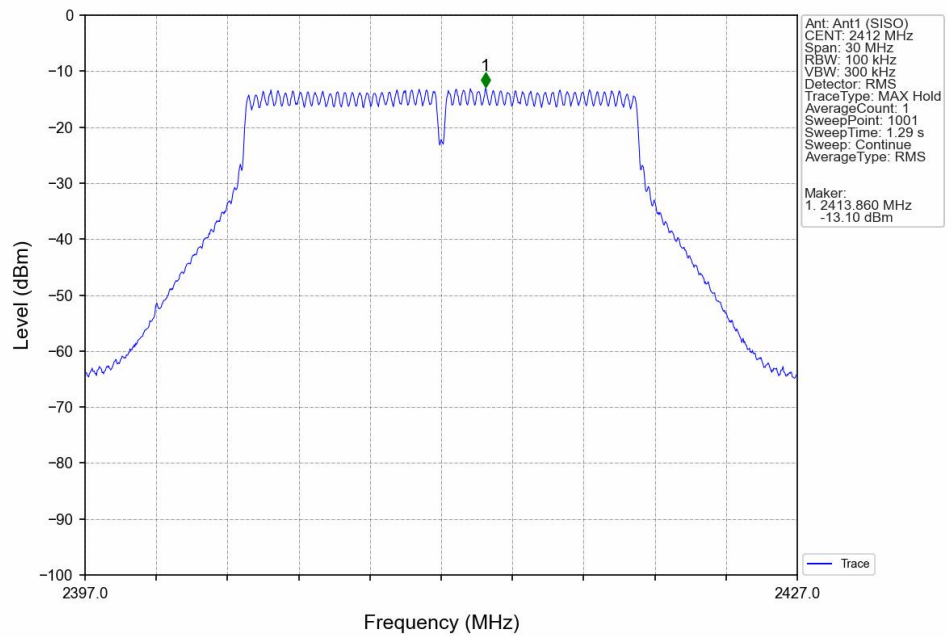
4.2.1 PSD



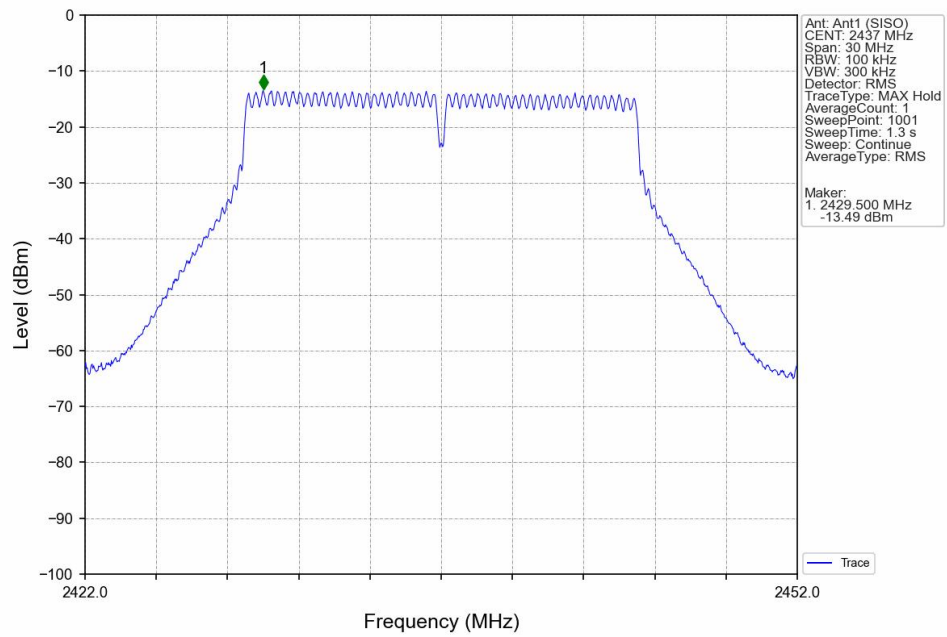
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



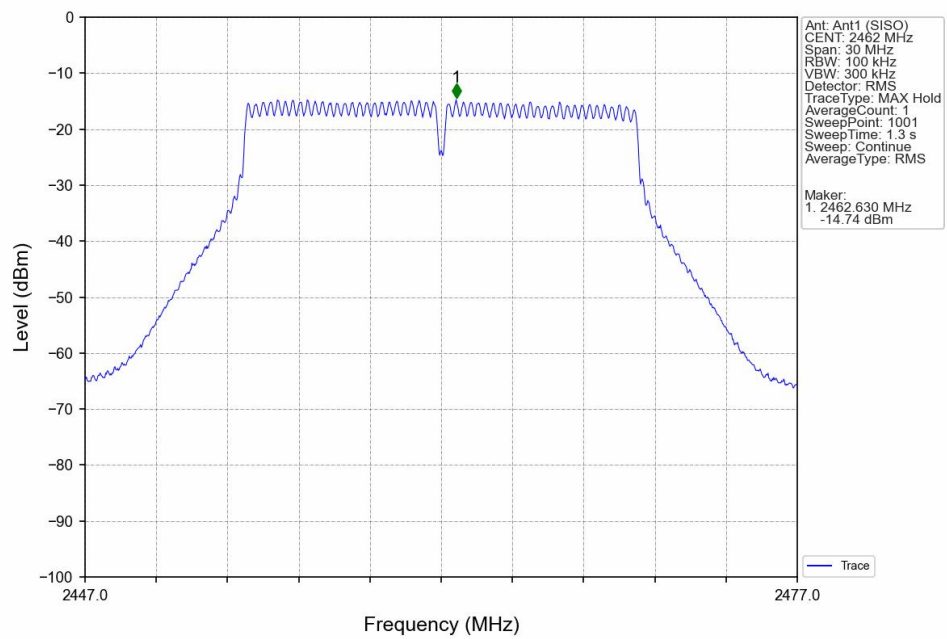
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



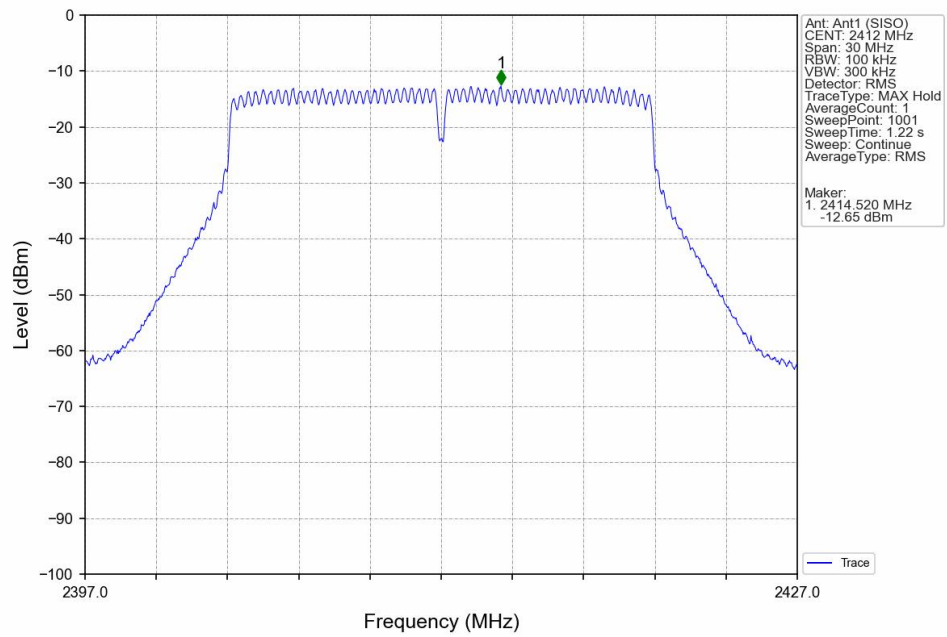
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



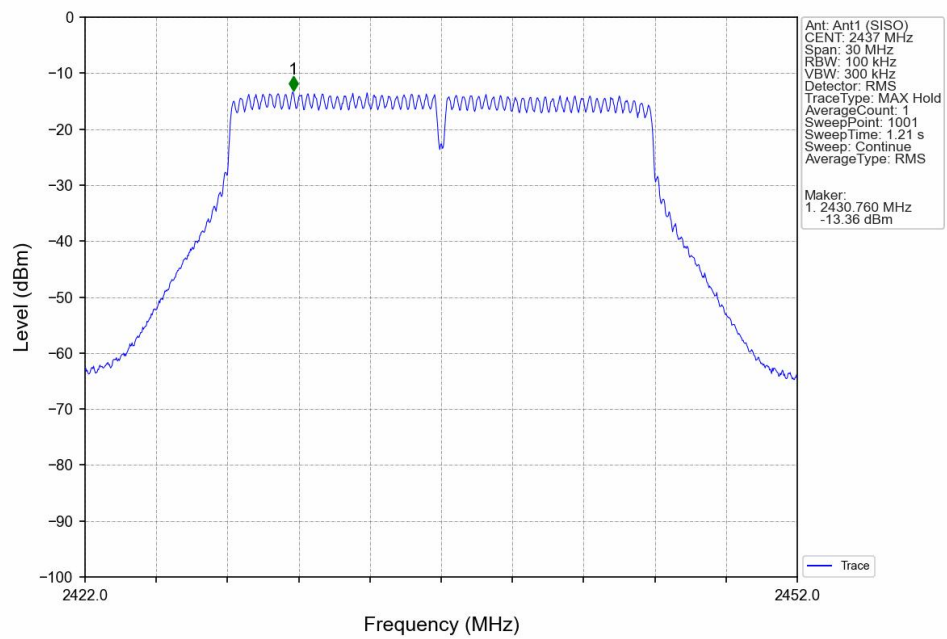
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



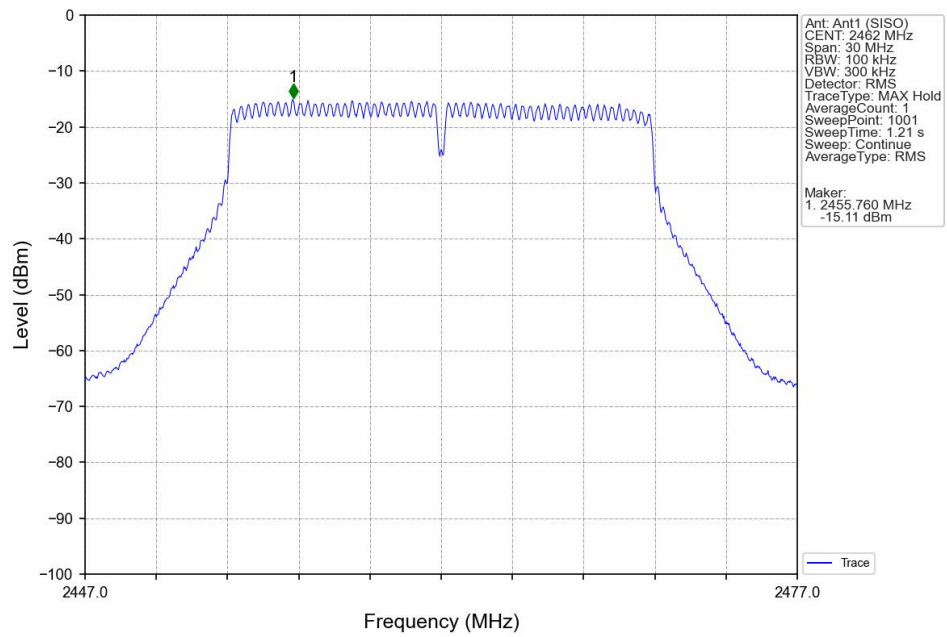
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

