

Appendix RF test data for WIFI2.4G

1. Duty Cycle

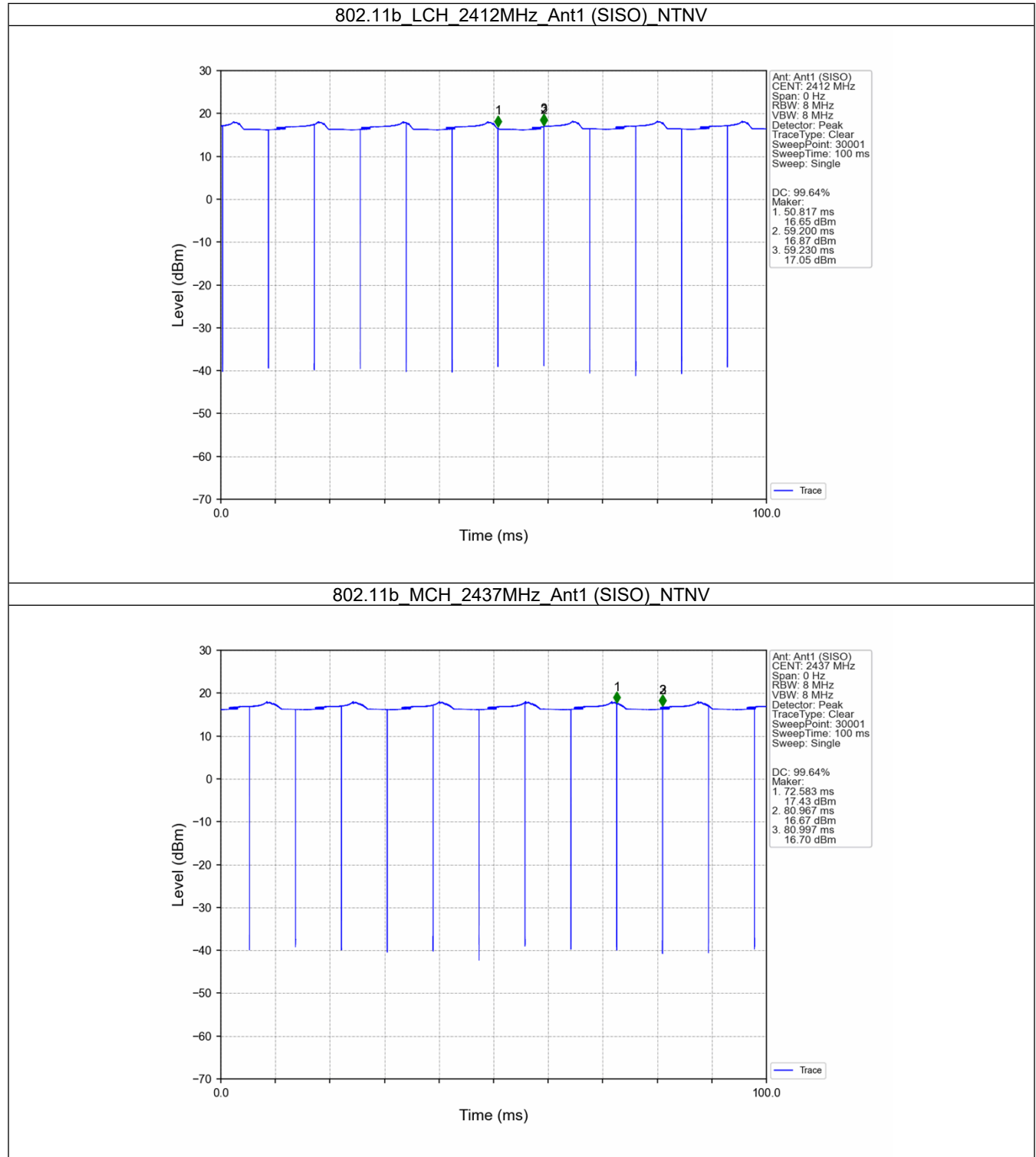
1.1 Test Result

1.1.1 Ant1

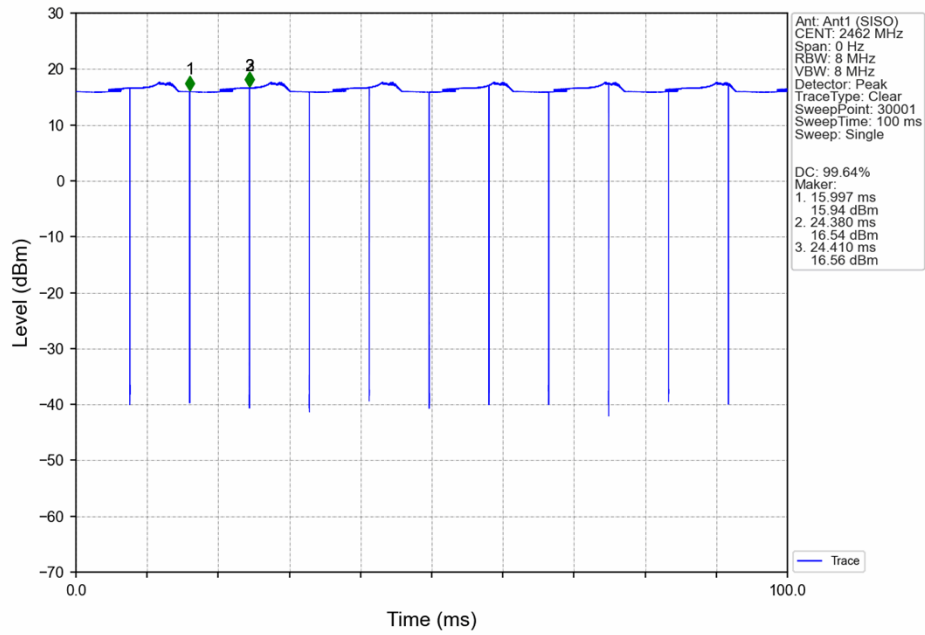
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.383	8.413	99.64	0.02	0.04
		2437	8.384	8.414	99.64	0.02	0.04
		2462	8.383	8.413	99.64	0.02	0.04
802.11g	SISO	2412	1.392	1.428	97.48	0.11	0.03
		2437	1.394	1.428	97.62	0.10	0.00
		2462	1.394	1.428	97.62	0.10	0.03
802.11n (HT20)	SISO	2412	1.302	1.336	97.46	0.11	0.03
		2437	1.300	1.335	97.38	0.12	0.03
		2462	1.301	1.336	97.38	0.12	0.07
802.11n (HT40)	SISO	2422	0.650	0.683	95.17	0.22	0.03
		2437	0.648	0.683	94.88	0.23	0.03
		2452	0.648	0.683	94.88	0.23	0.04

1.2 Test Graph

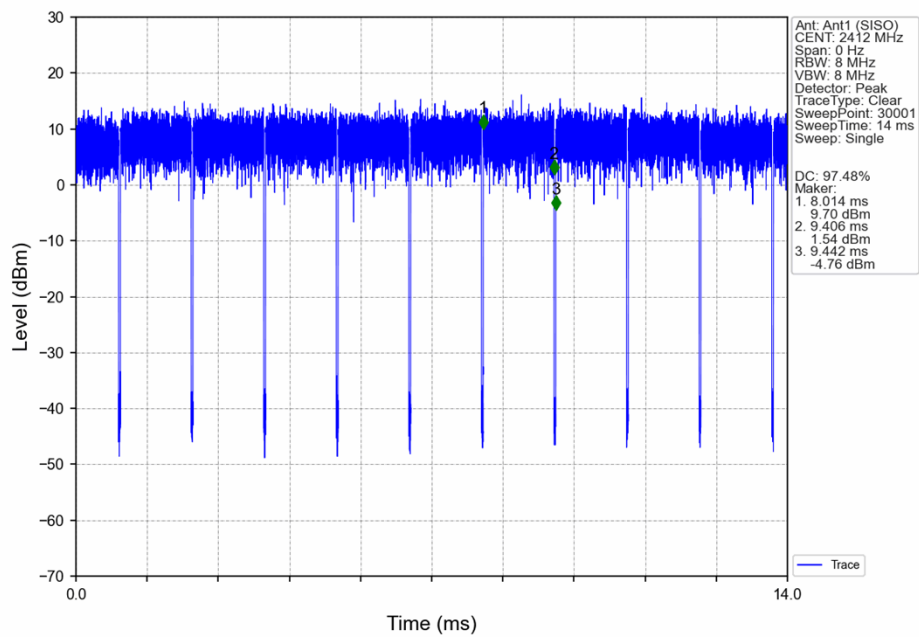
1.2.1 Ant1



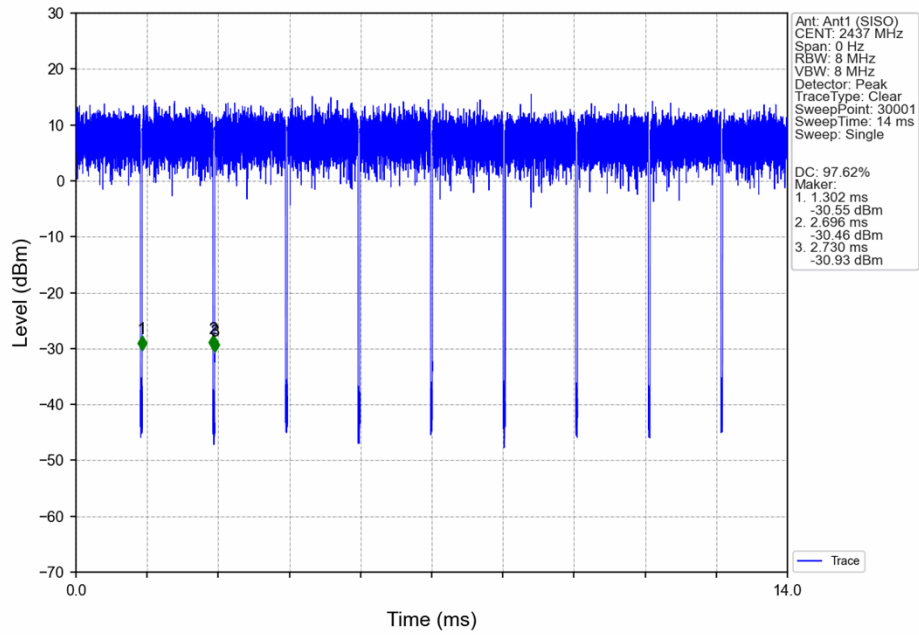
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



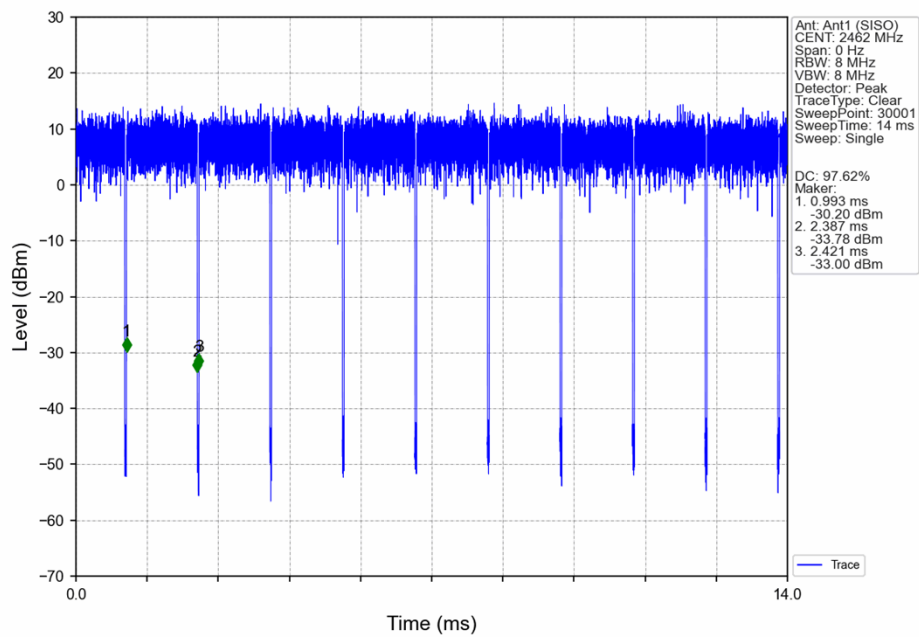
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



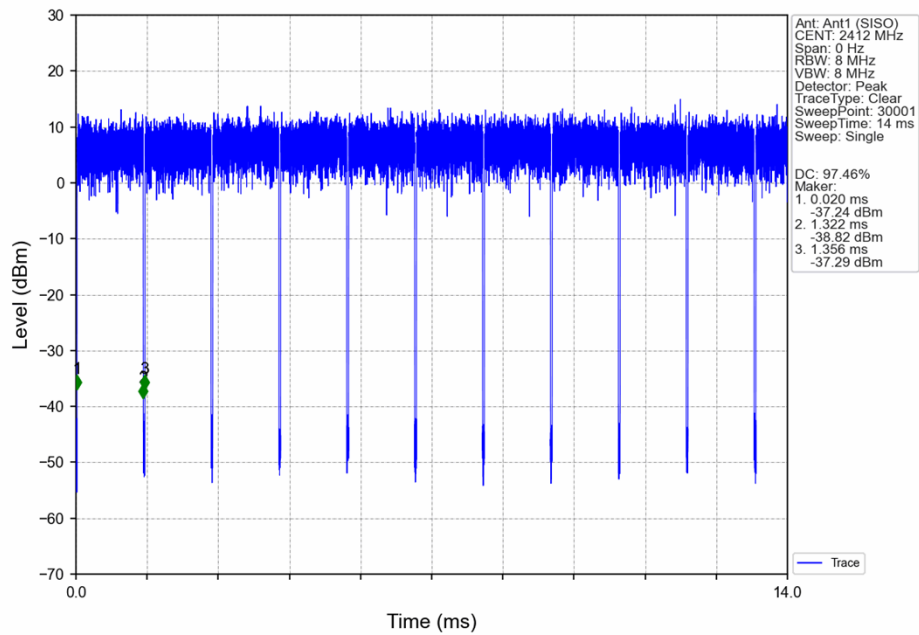
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



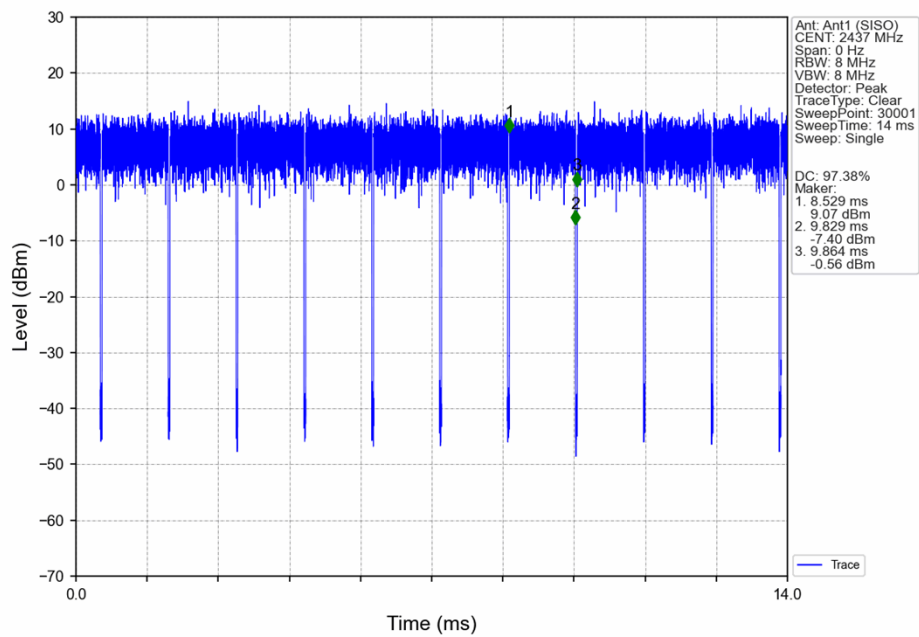
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



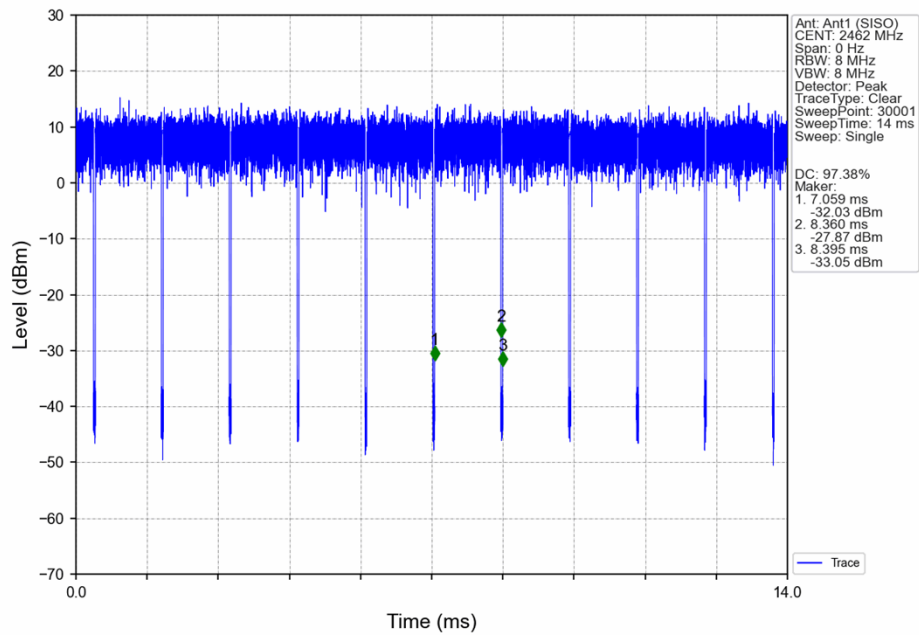
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



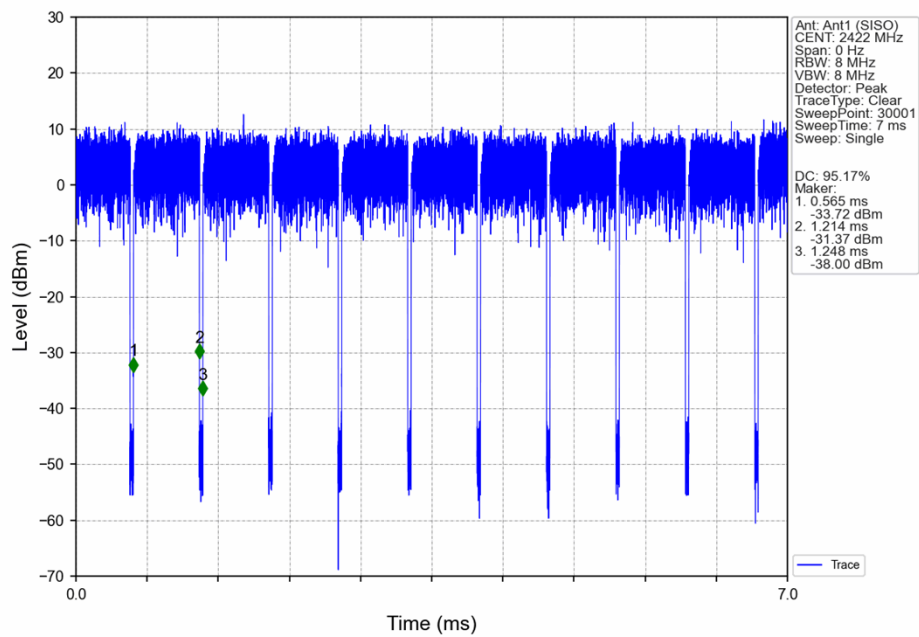
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



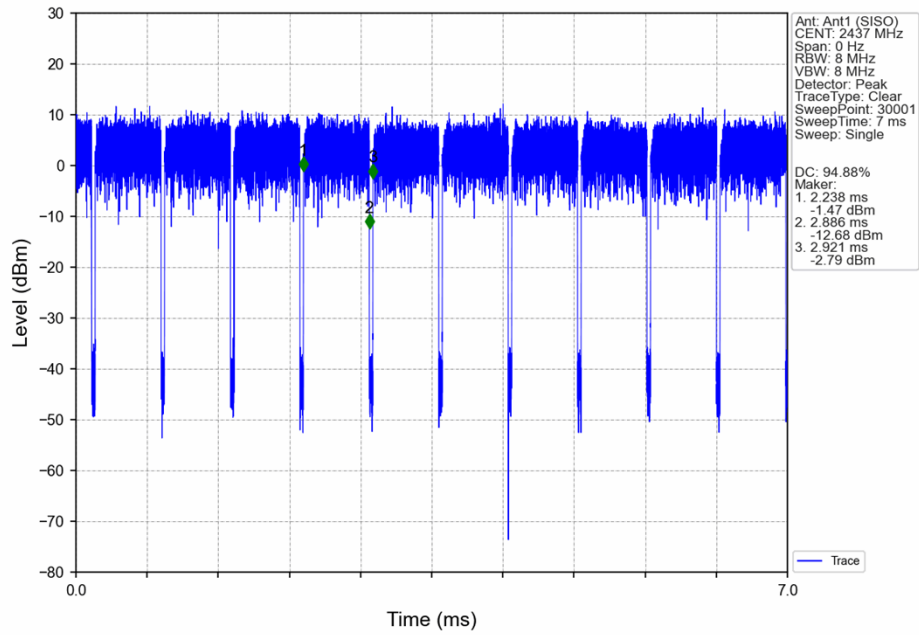
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



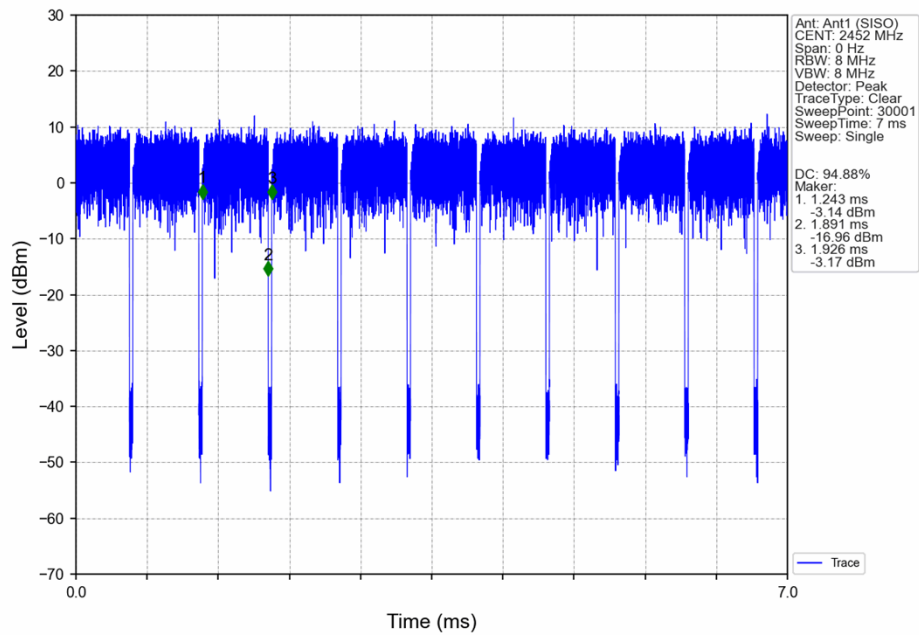
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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	12.743	/	Pass
		2437	1	12.723	/	Pass
		2462	1	12.596	/	Pass
802.11g	SISO	2412	1	17.312	/	Pass
		2437	1	17.323	/	Pass
		2462	1	17.237	/	Pass
802.11n (HT20)	SISO	2412	1	18.254	/	Pass
		2437	1	18.213	/	Pass
		2462	1	18.115	/	Pass
802.11n (HT40)	SISO	2422	1	36.029	/	Pass
		2437	1	36.370	/	Pass
		2452	1	36.347	/	Pass

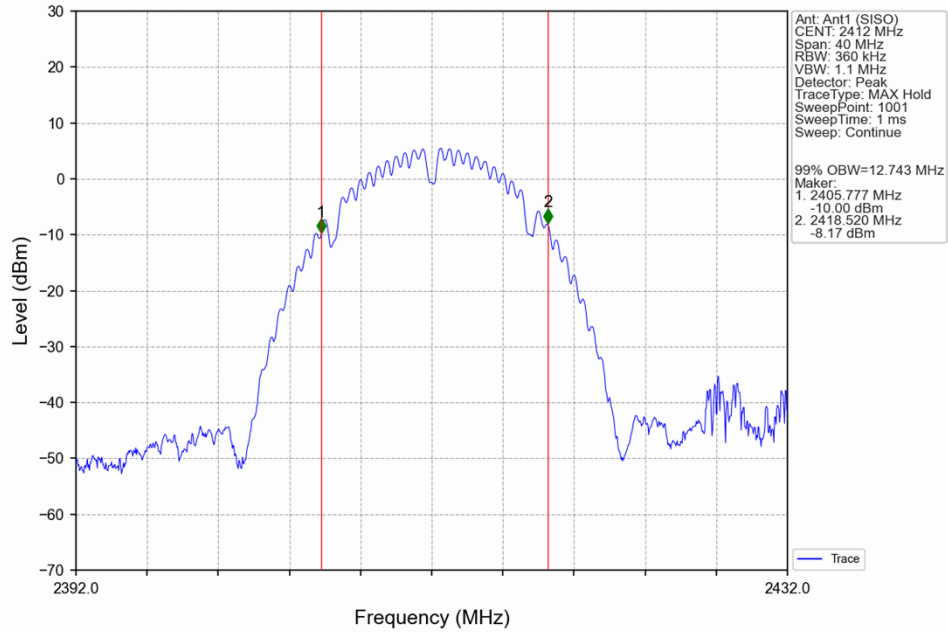
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.629	≥ 0.5	Pass
		2437	1	8.215	≥ 0.5	Pass
		2462	1	8.220	≥ 0.5	Pass
802.11g	SISO	2412	1	16.039	≥ 0.5	Pass
		2437	1	15.763	≥ 0.5	Pass
		2462	1	16.132	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.034	≥ 0.5	Pass
		2437	1	17.265	≥ 0.5	Pass
		2462	1	17.197	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	33.480	≥ 0.5	Pass
		2437	1	35.515	≥ 0.5	Pass
		2452	1	35.471	≥ 0.5	Pass

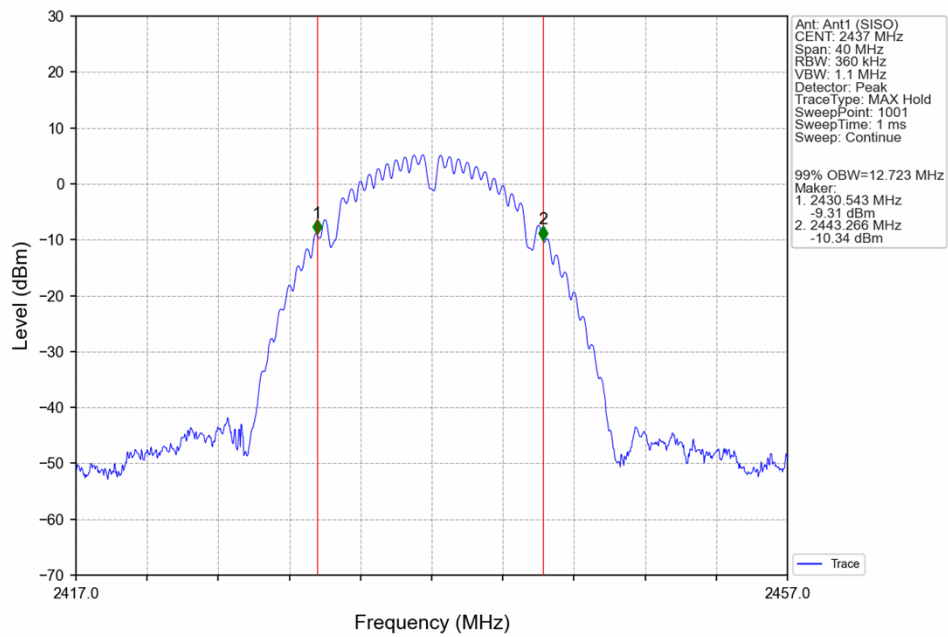
2.2 Test Graph

2.2.1 OBW

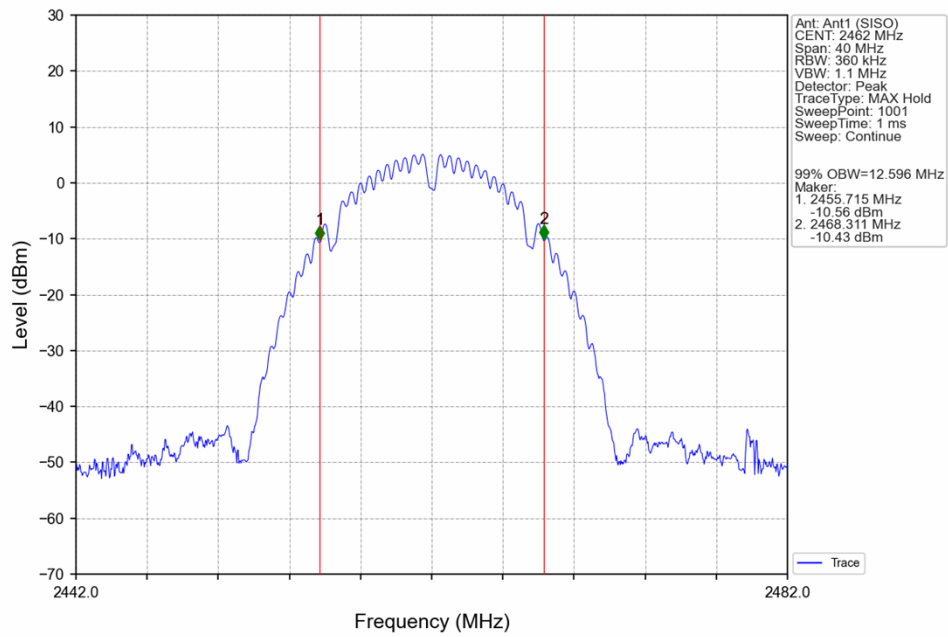
802.11b_LCH_2412MHz_Ant1 (SISO) NTN



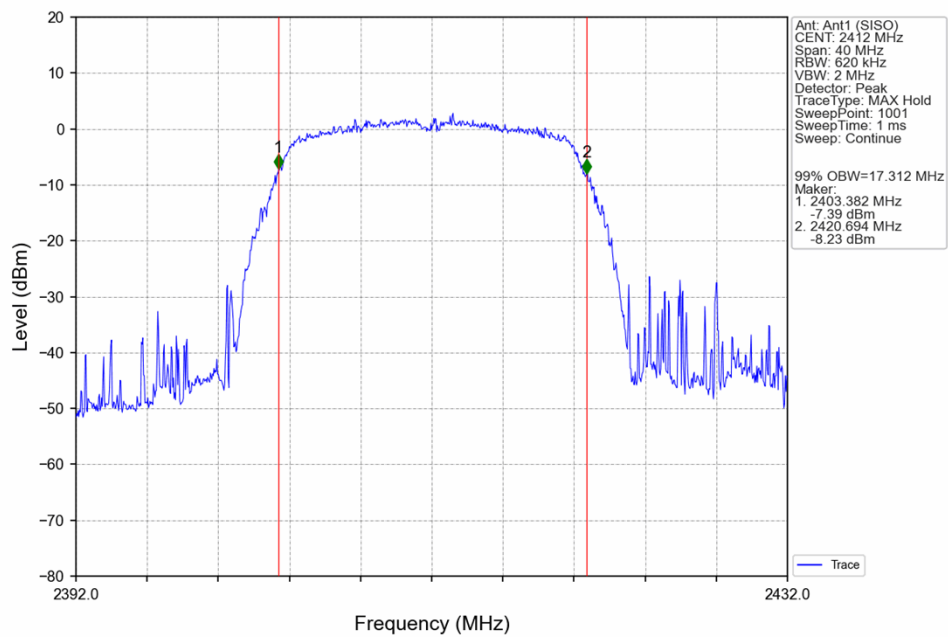
802.11b_MCH_2437MHz_Ant1 (SISO) NTN



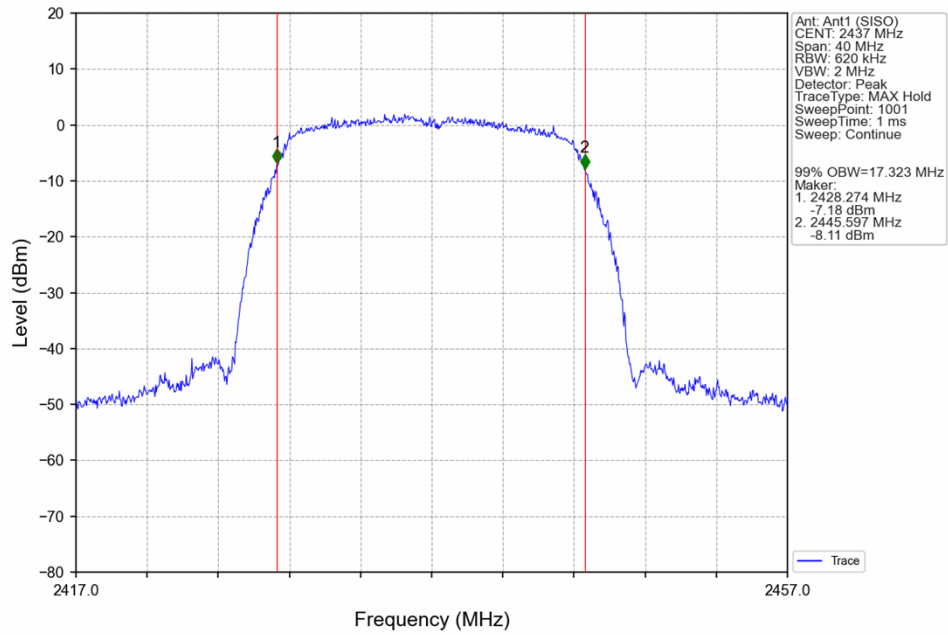
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



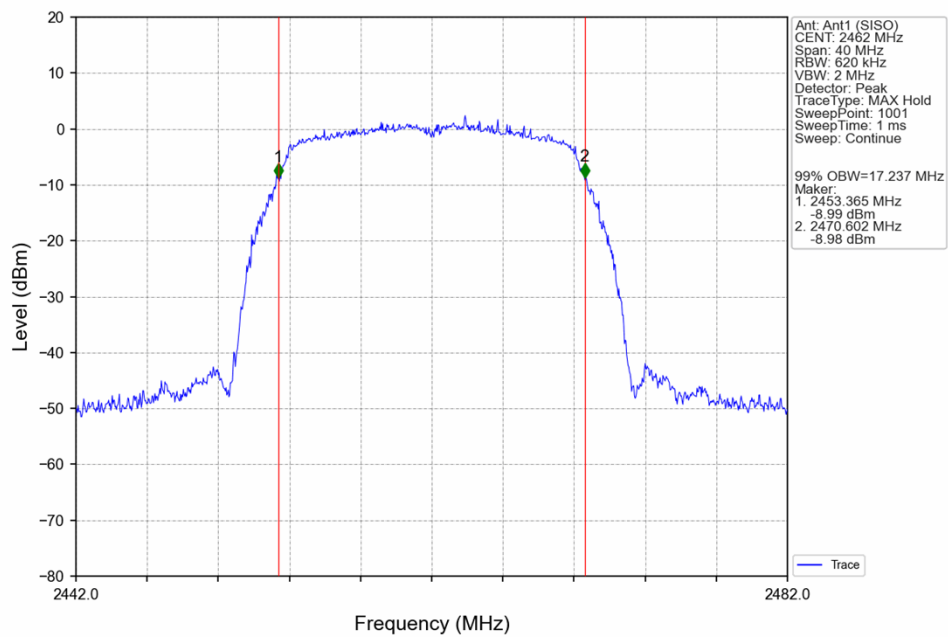
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



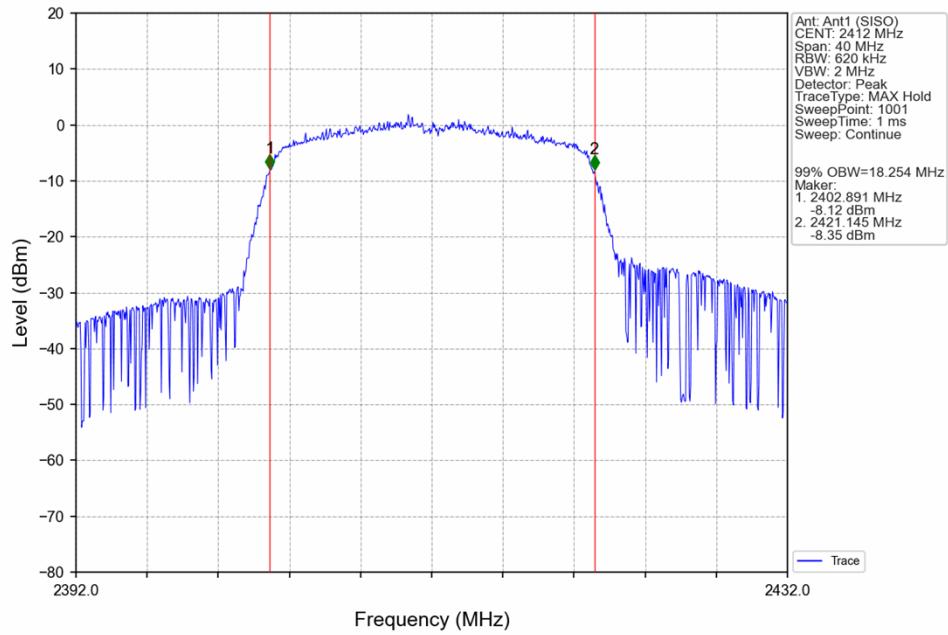
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



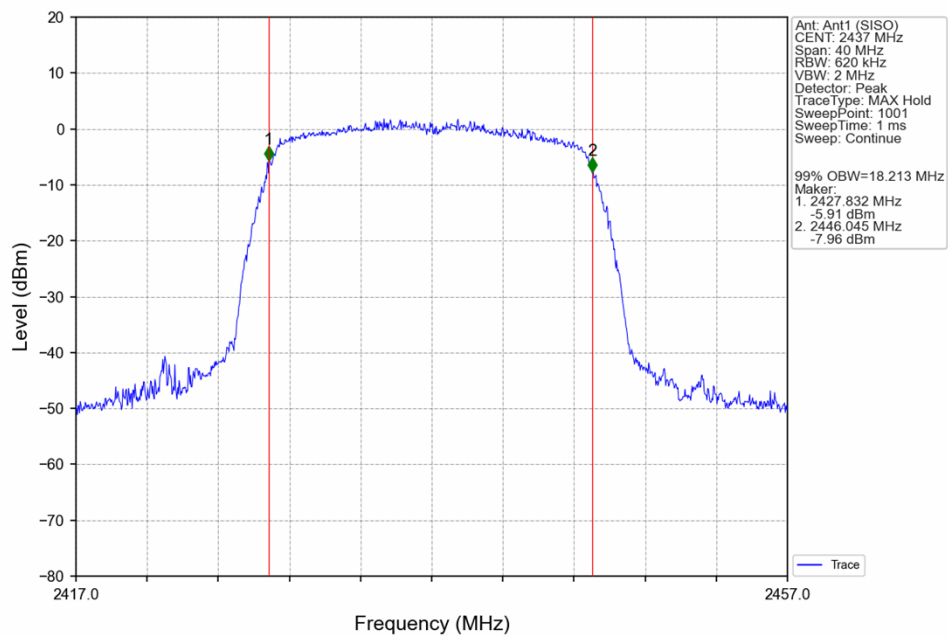
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



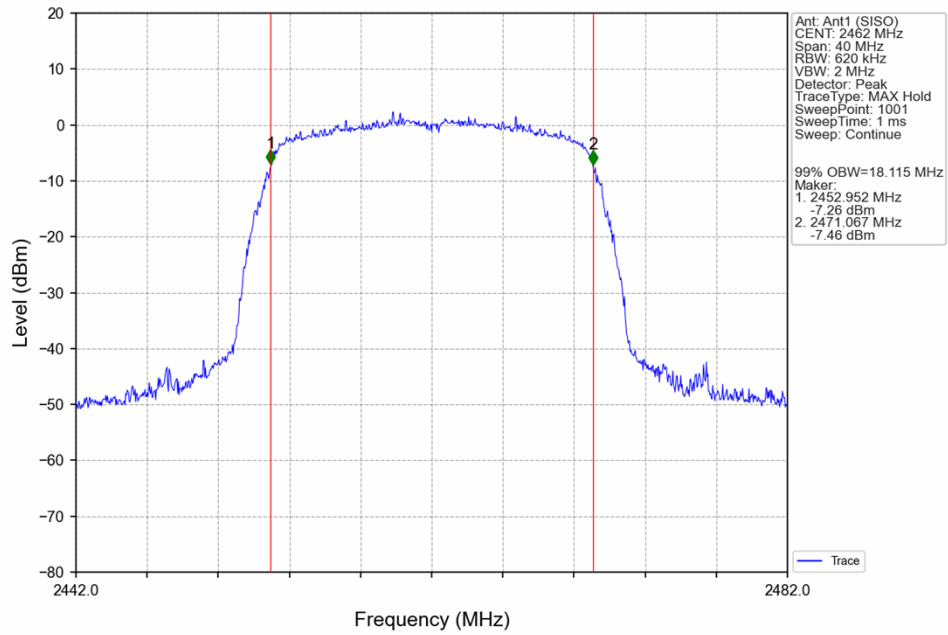
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



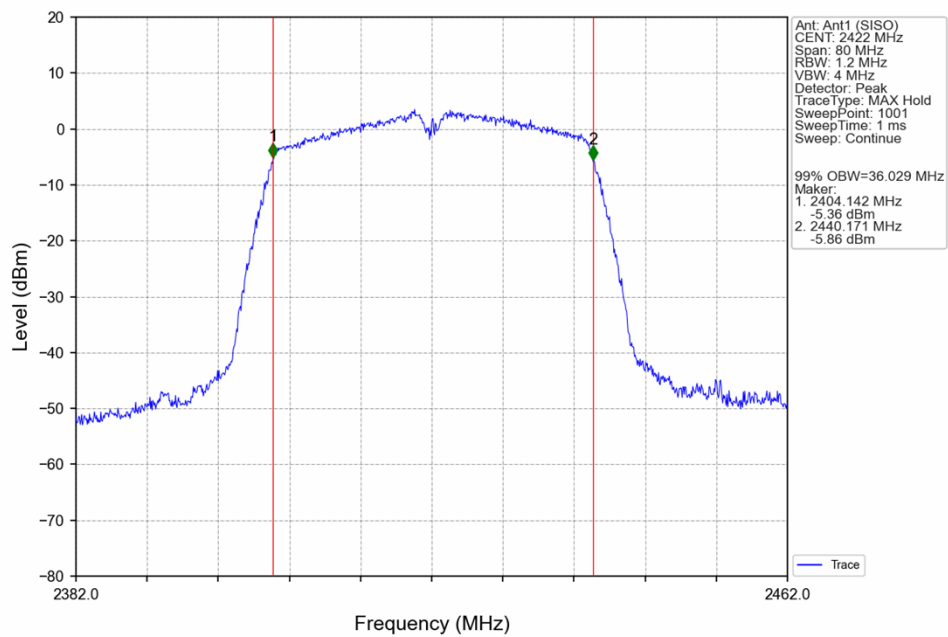
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



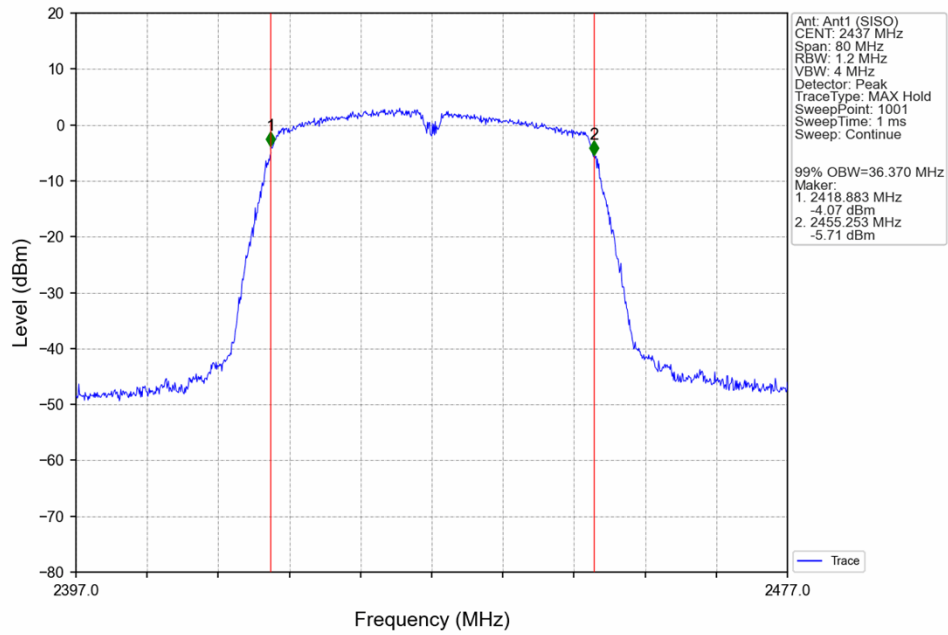
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



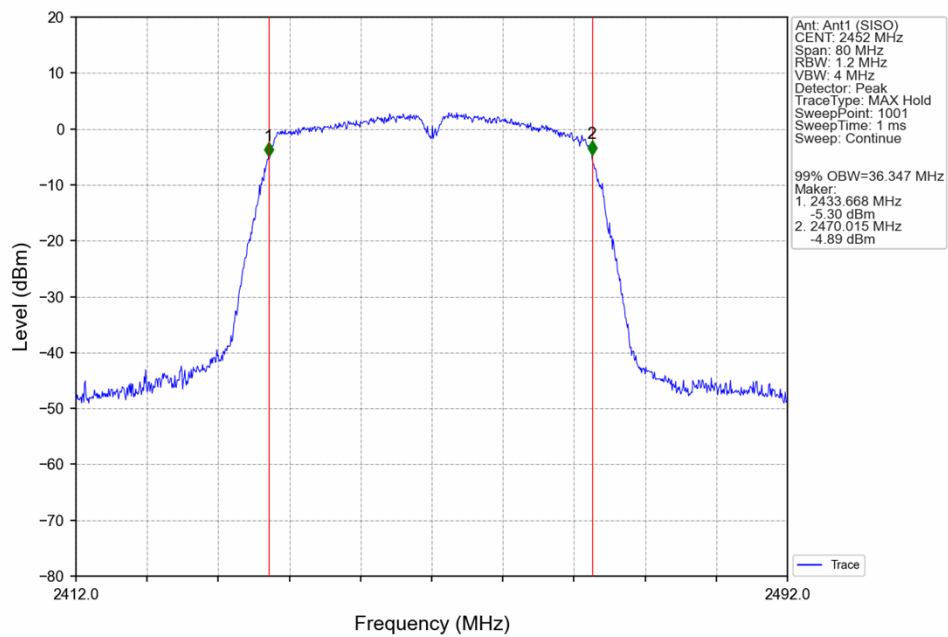
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

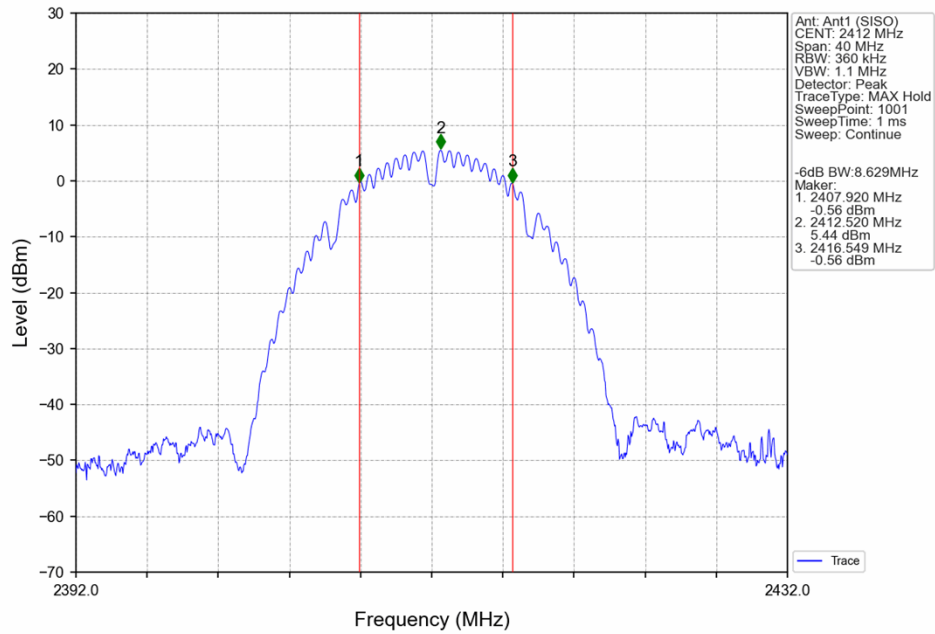


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

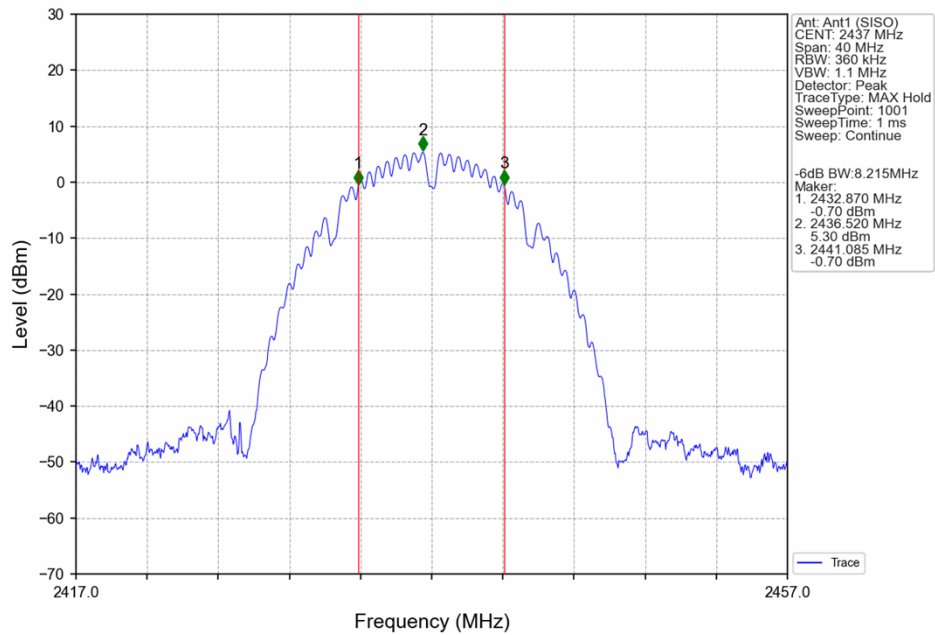


2.2.2 6dB BW

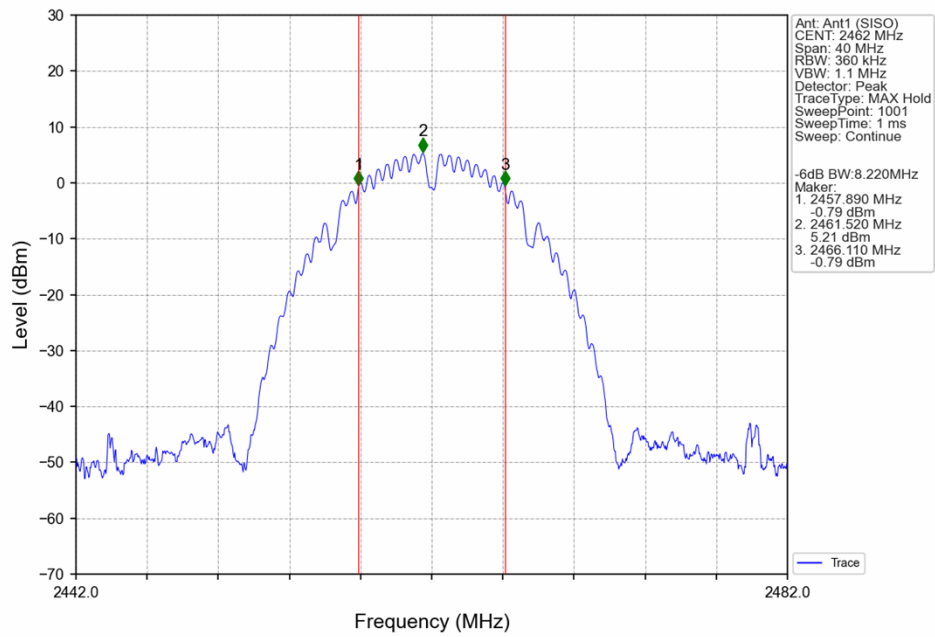
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



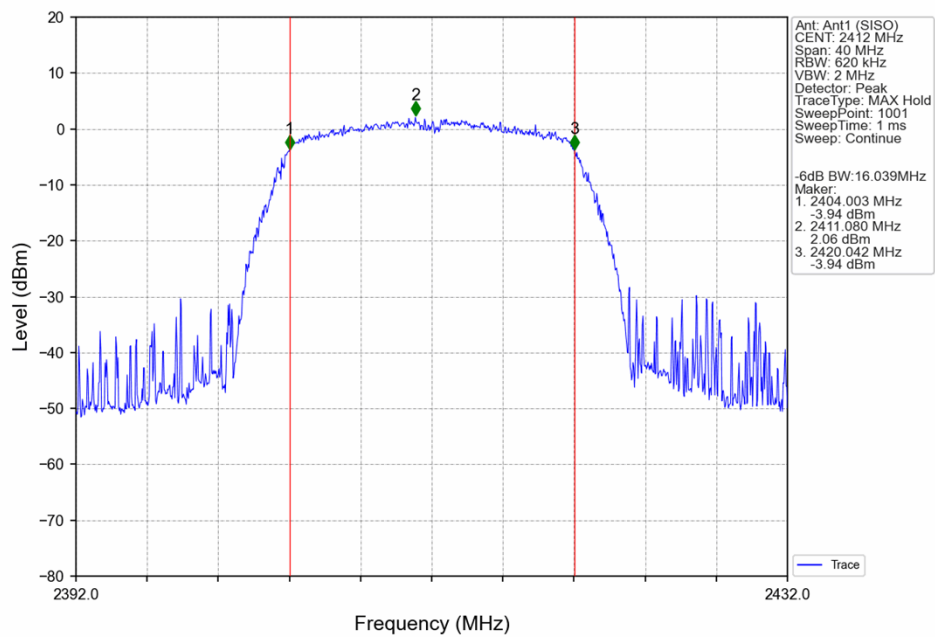
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



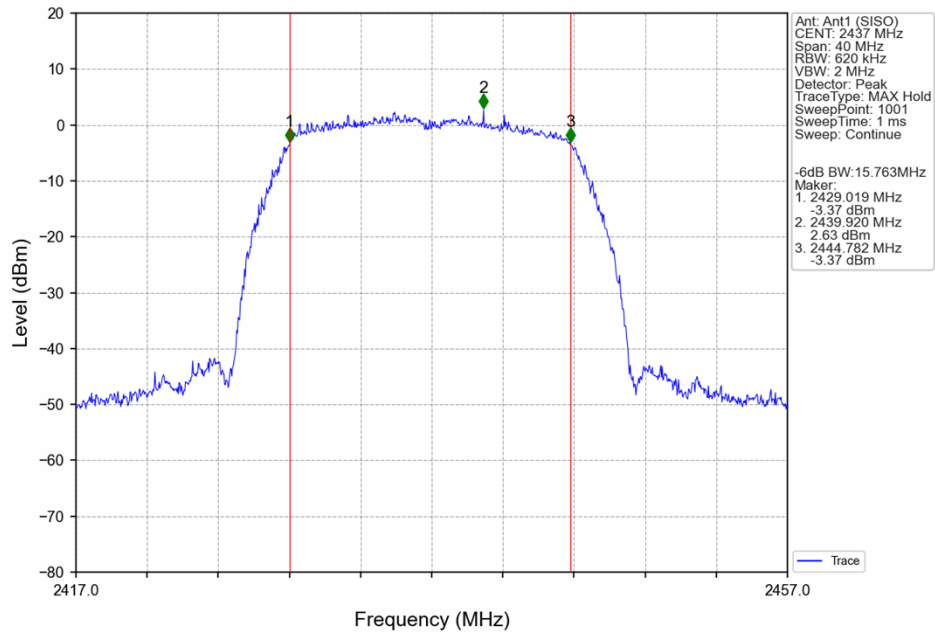
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



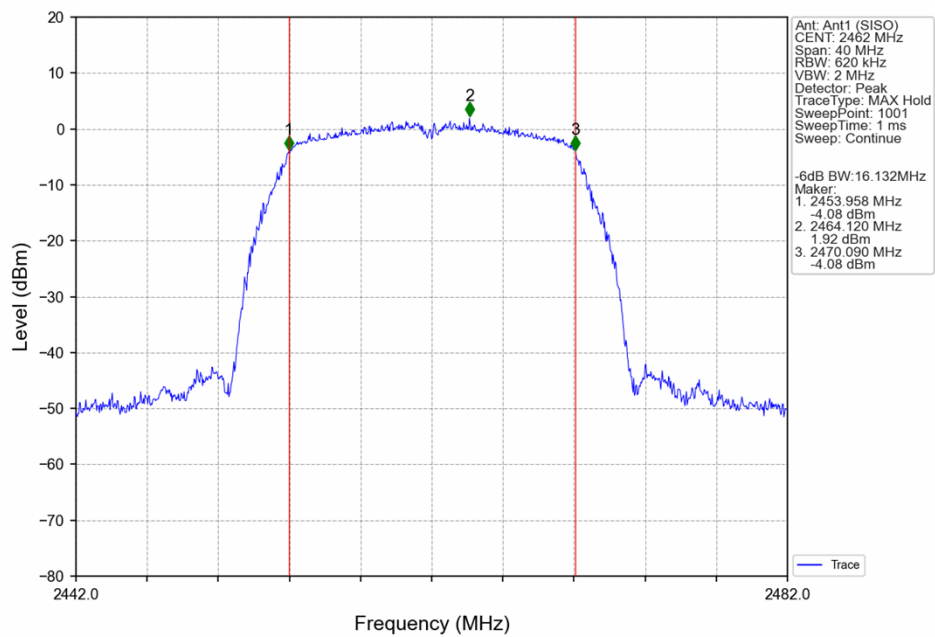
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



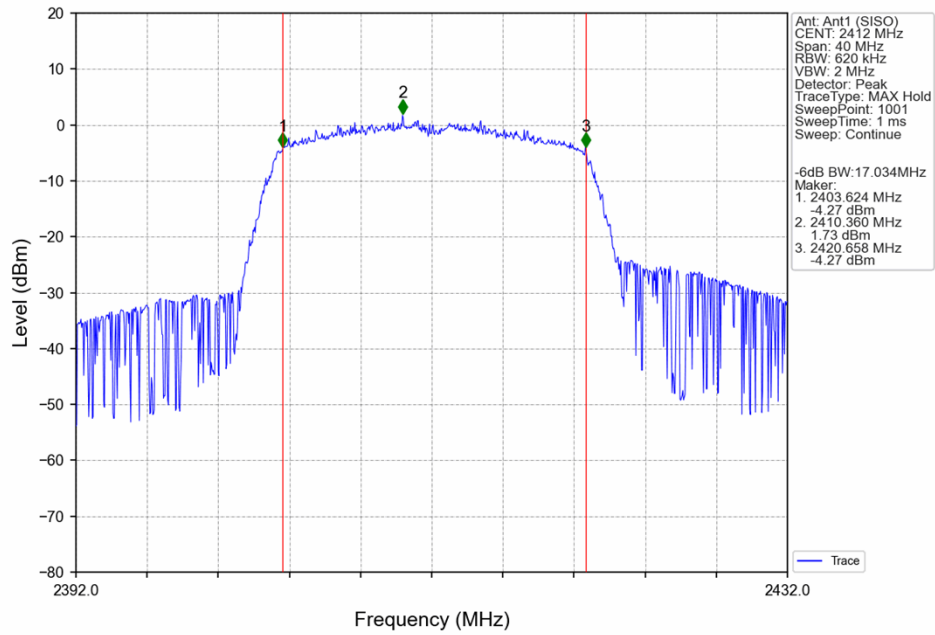
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

