

Appendix: 2.4G Wi-Fi_USB

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1. Duty Cycle

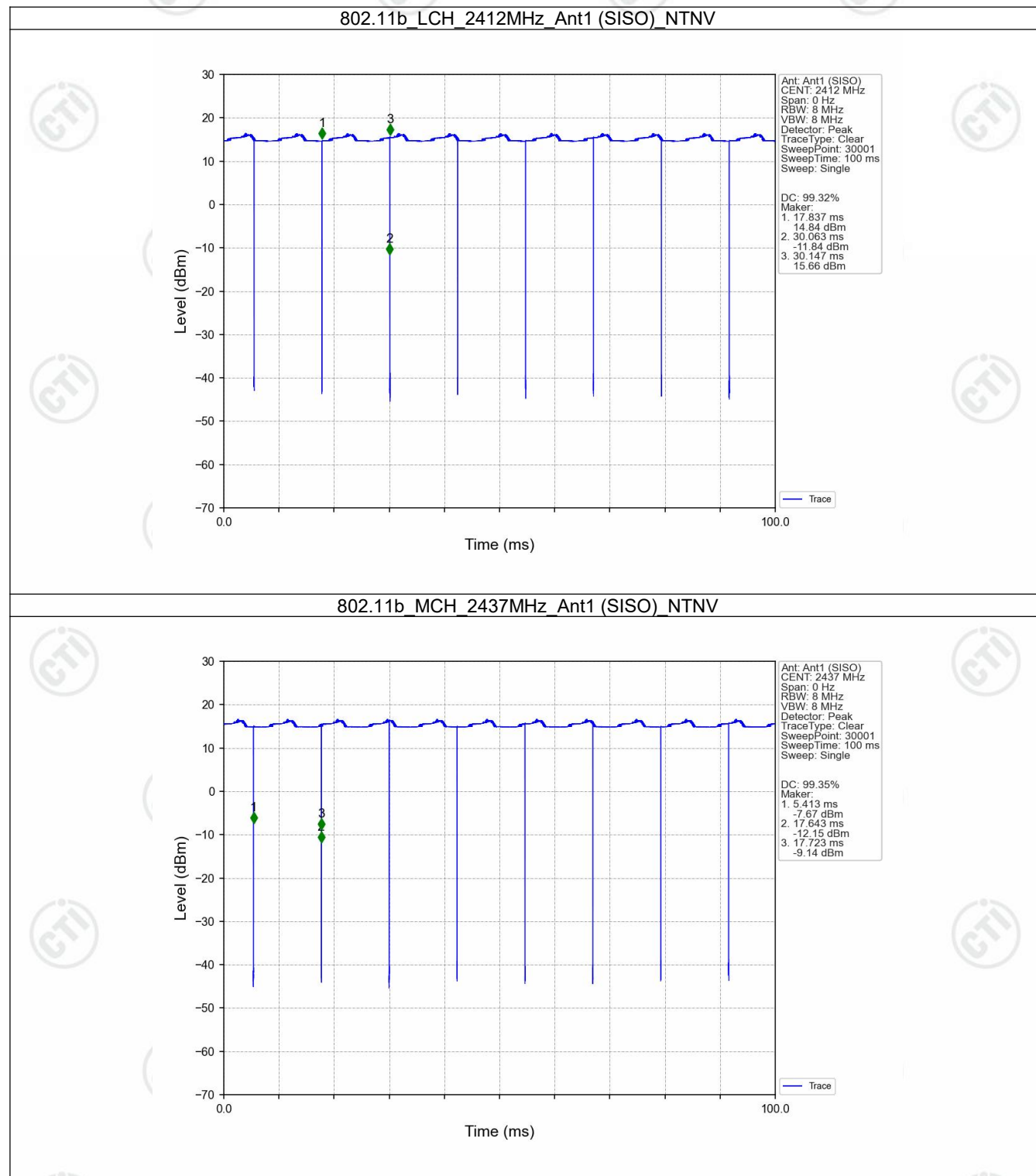
1.1 Test Result

1.1.1 Ant1

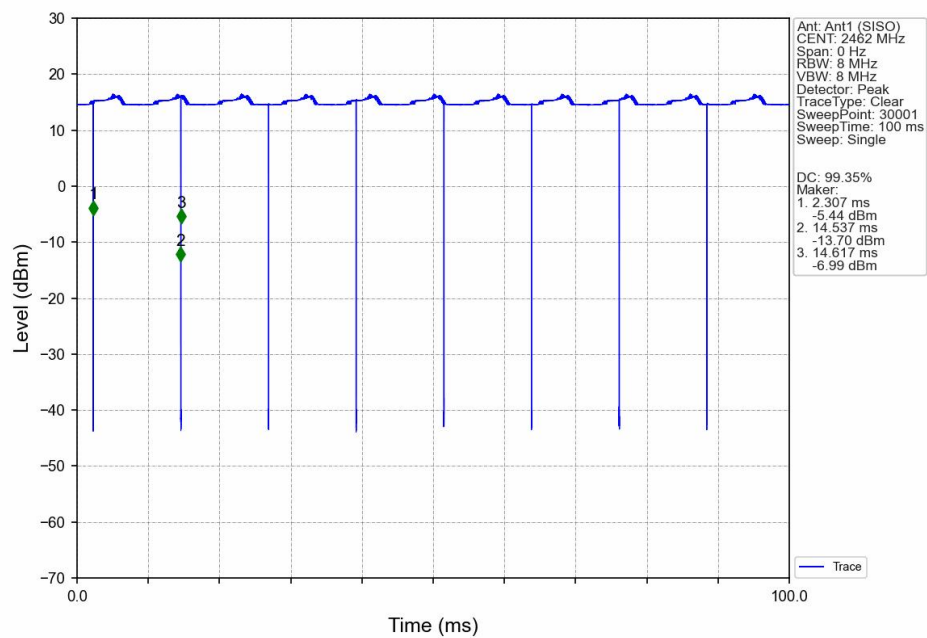
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	12.226	12.310	99.32	0.03	0.00
		2437	12.230	12.310	99.35	0.03	0.00
		2462	12.230	12.310	99.35	0.03	0.00
802.11g	SISO	2412	2.035	2.122	95.90	0.18	0.03
		2437	2.035	2.122	95.90	0.18	0.03
		2462	2.035	2.122	95.90	0.18	0.03
802.11n (HT20)	SISO	2412	1.895	1.982	95.61	0.19	0.00
		2437	1.895	1.983	95.56	0.20	0.03
		2462	1.894	1.982	95.56	0.20	0.00
802.11n (HT40)	SISO	2422	0.935	1.022	91.49	0.39	0.00
		2437	0.935	1.022	91.49	0.39	0.03
		2452	0.935	1.022	91.49	0.39	0.03

1.2 Test Graph

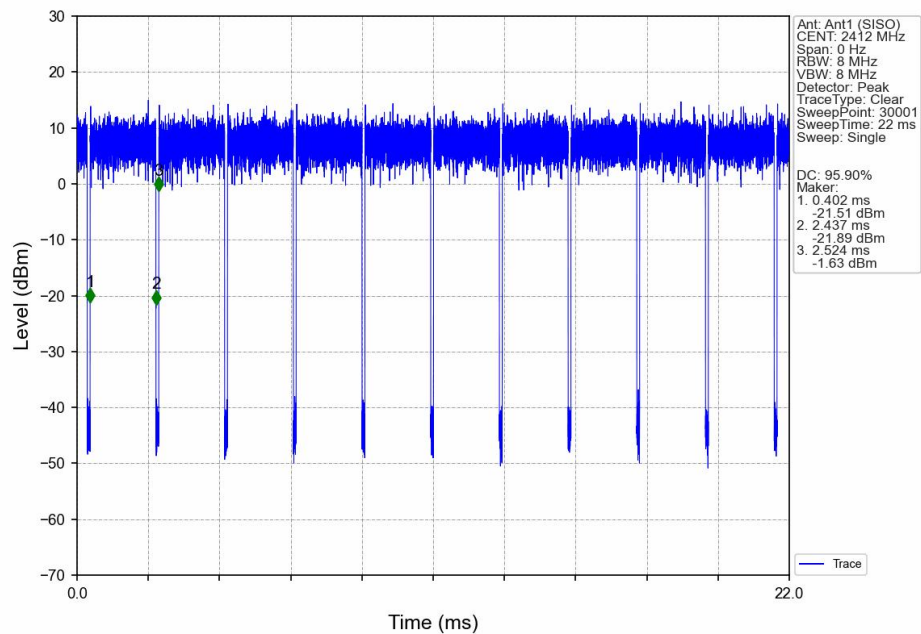
1.2.1 Ant1



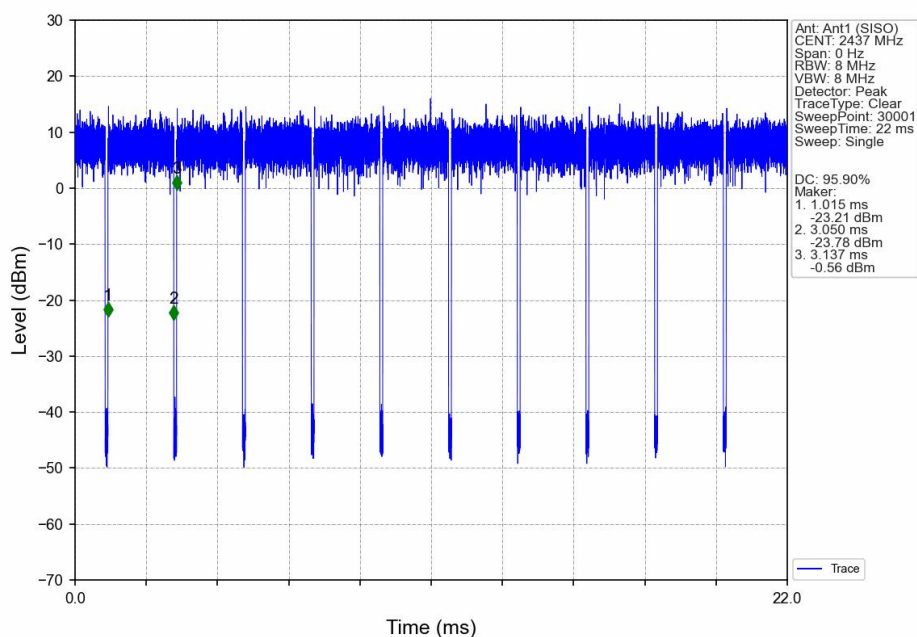
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



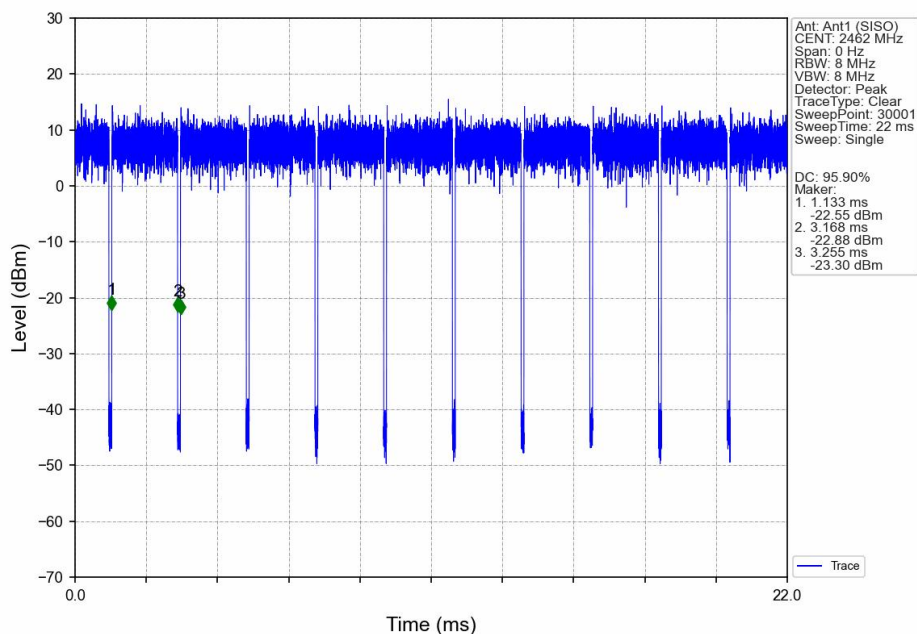
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



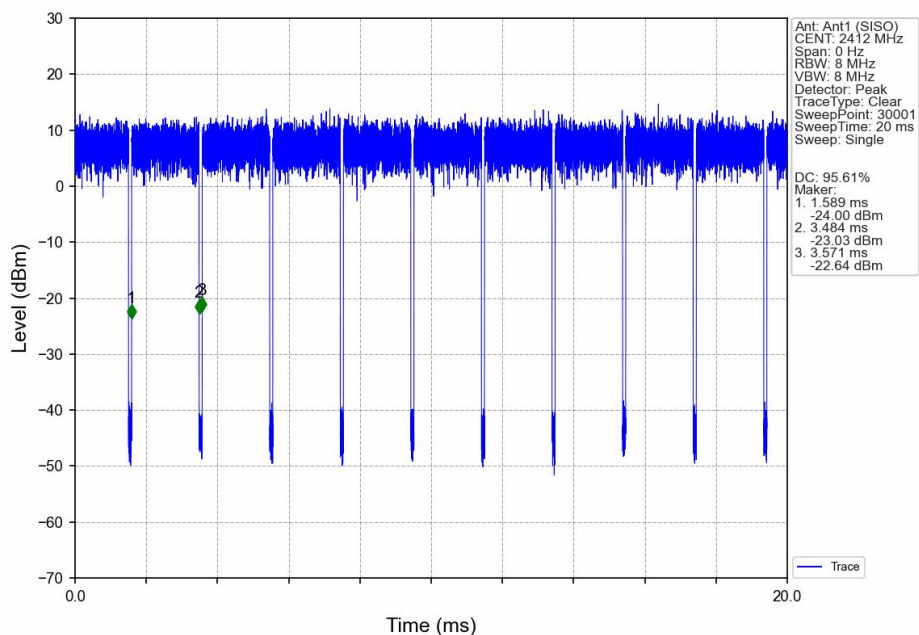
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



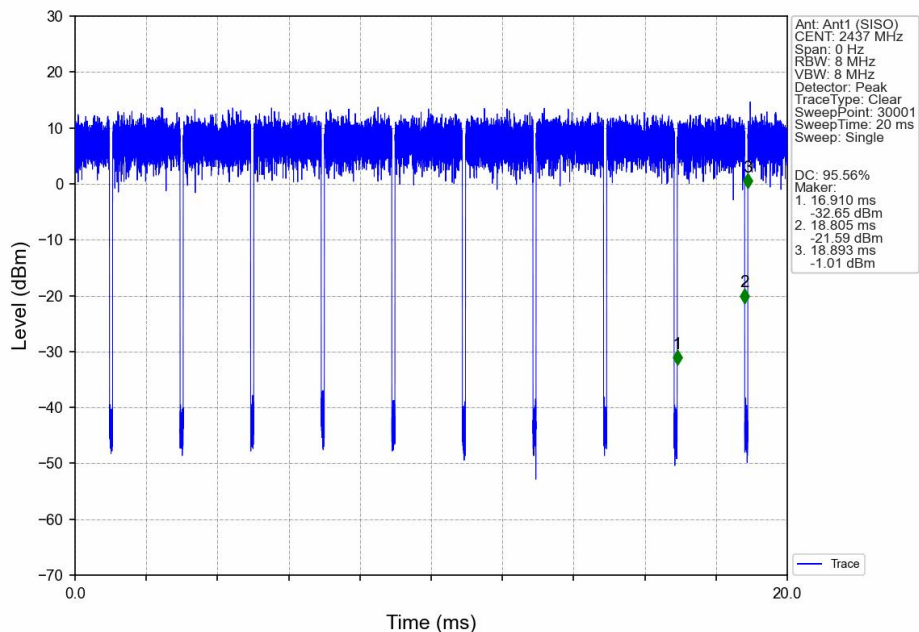
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



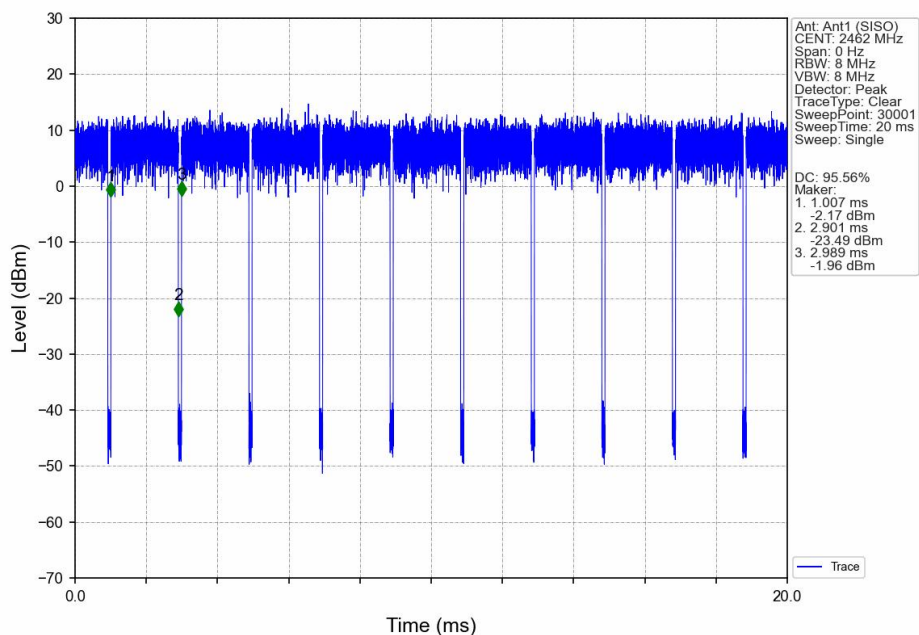
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



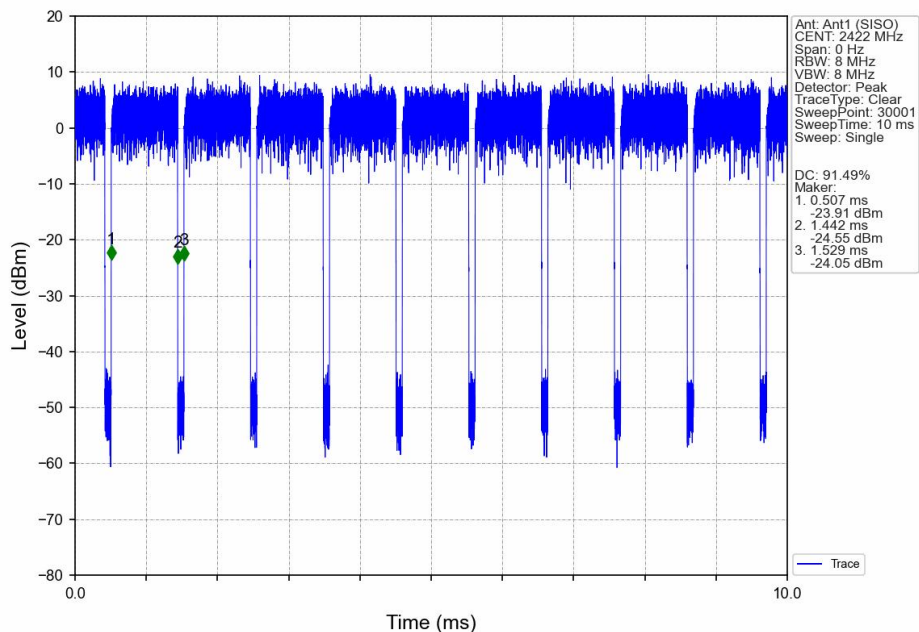
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



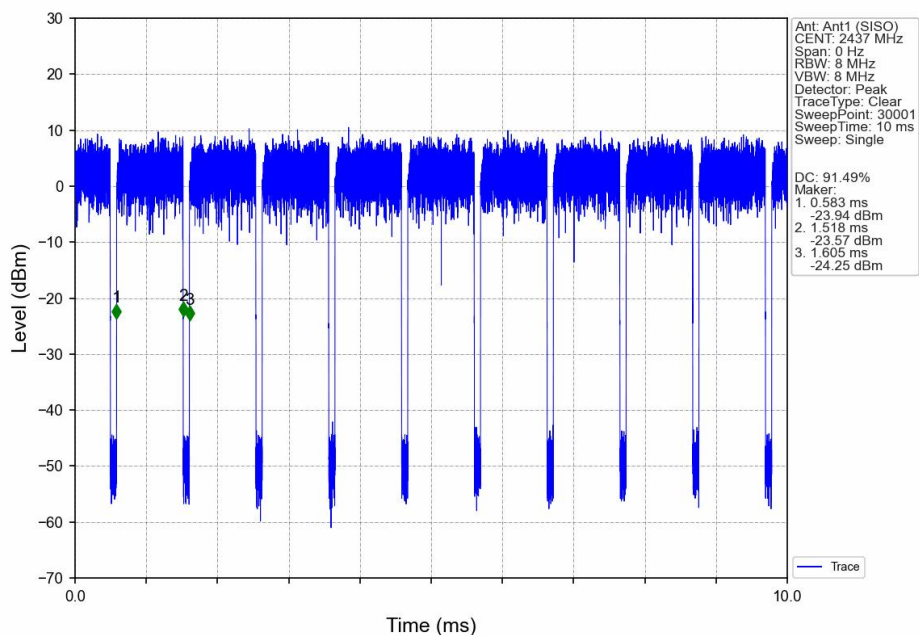
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



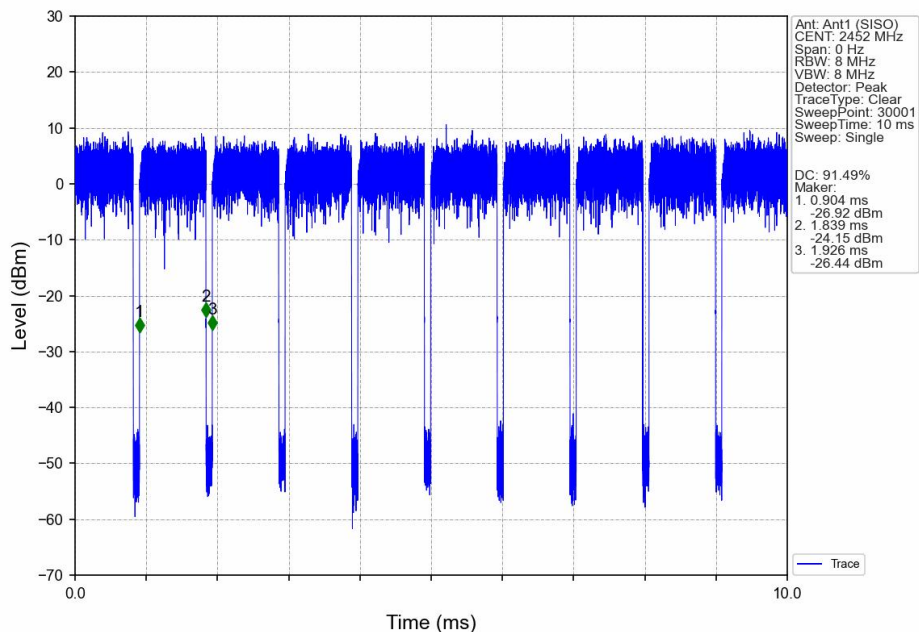
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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

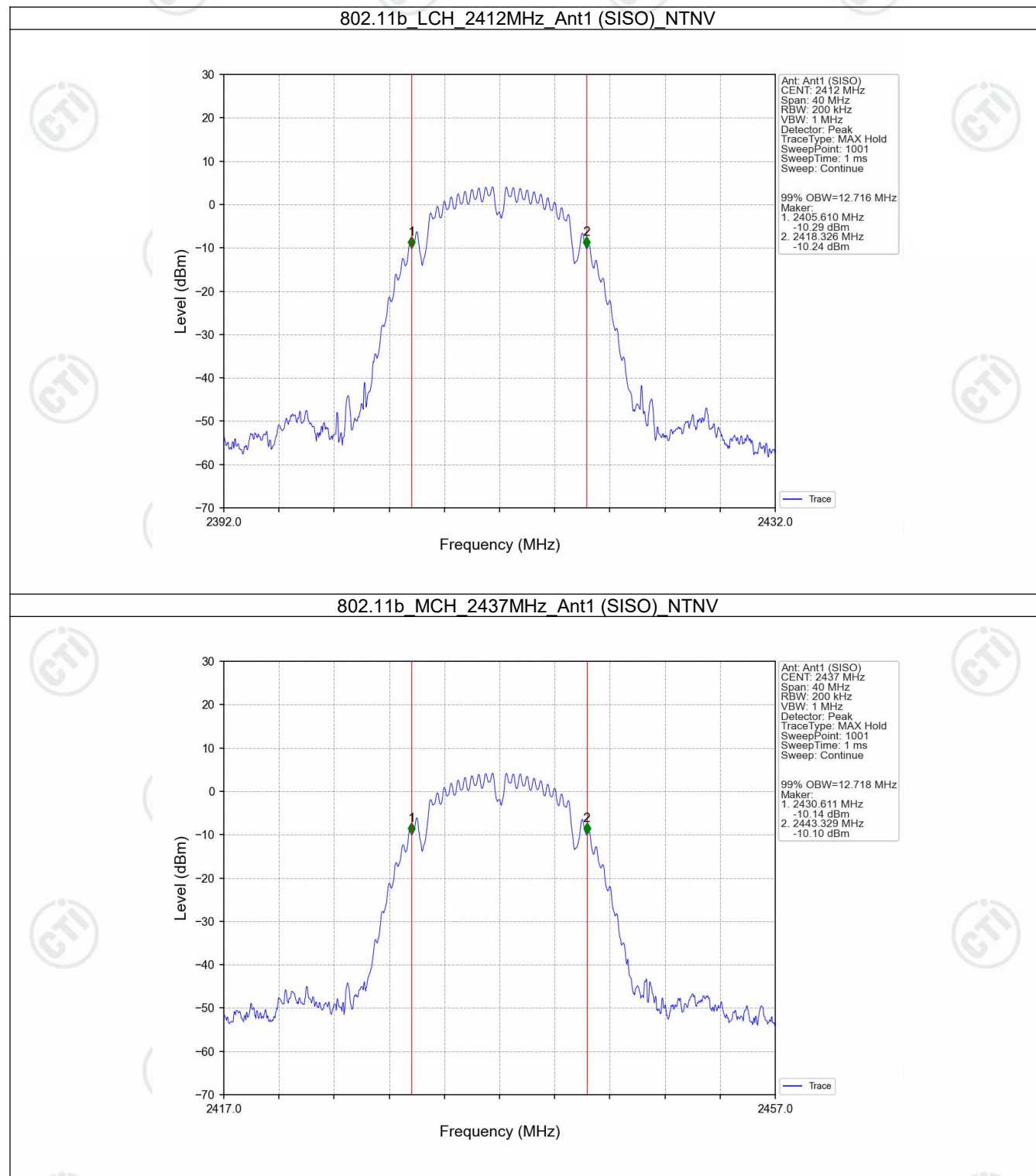
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	12.716	/	Pass
		2437	1	12.718	/	Pass
		2462	1	12.732	/	Pass
802.11g	SISO	2412	1	16.308	/	Pass
		2437	1	16.324	/	Pass
		2462	1	16.335	/	Pass
802.11n (HT20)	SISO	2412	1	17.414	/	Pass
		2437	1	17.420	/	Pass
		2462	1	17.418	/	Pass
802.11n (HT40)	SISO	2422	1	35.383	/	Pass
		2437	1	35.354	/	Pass
		2452	1	35.335	/	Pass

2.1.2 6dB BW

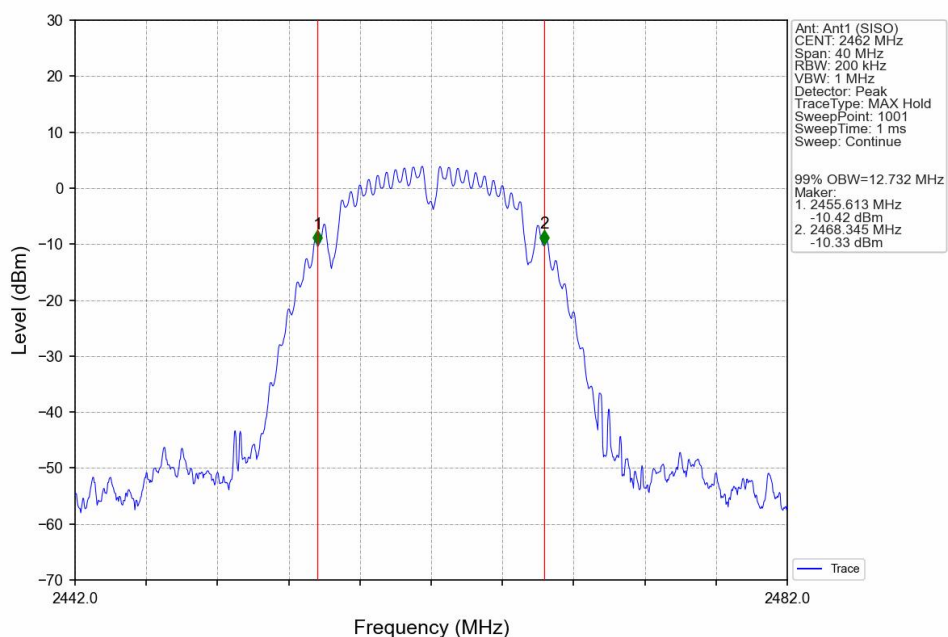
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.233	≥ 0.5	Pass
		2437	1	9.608	≥ 0.5	Pass
		2462	1	9.232	≥ 0.5	Pass
802.11g	SISO	2412	1	15.961	≥ 0.5	Pass
		2437	1	15.955	≥ 0.5	Pass
		2462	1	15.986	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.899	≥ 0.5	Pass
		2437	1	16.981	≥ 0.5	Pass
		2462	1	16.388	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	28.740	≥ 0.5	Pass
		2437	1	29.727	≥ 0.5	Pass
		2452	1	28.292	≥ 0.5	Pass

2.2 Test Graph

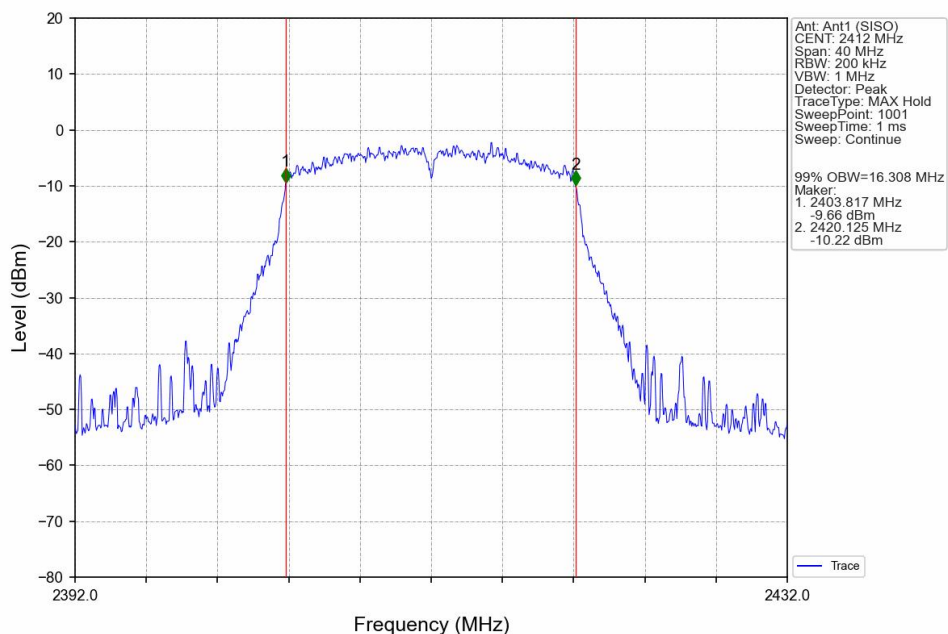
2.2.1 OBW



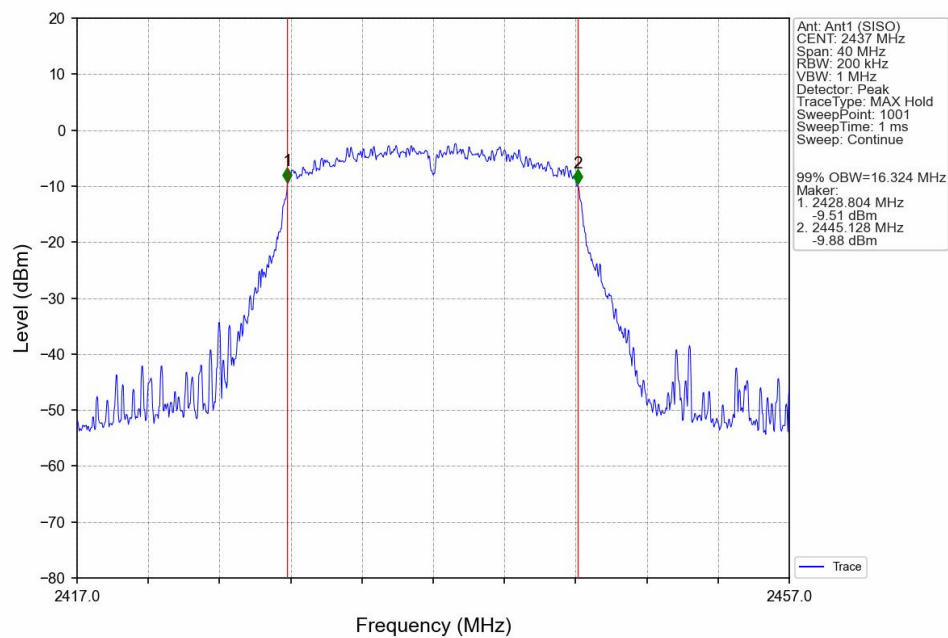
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



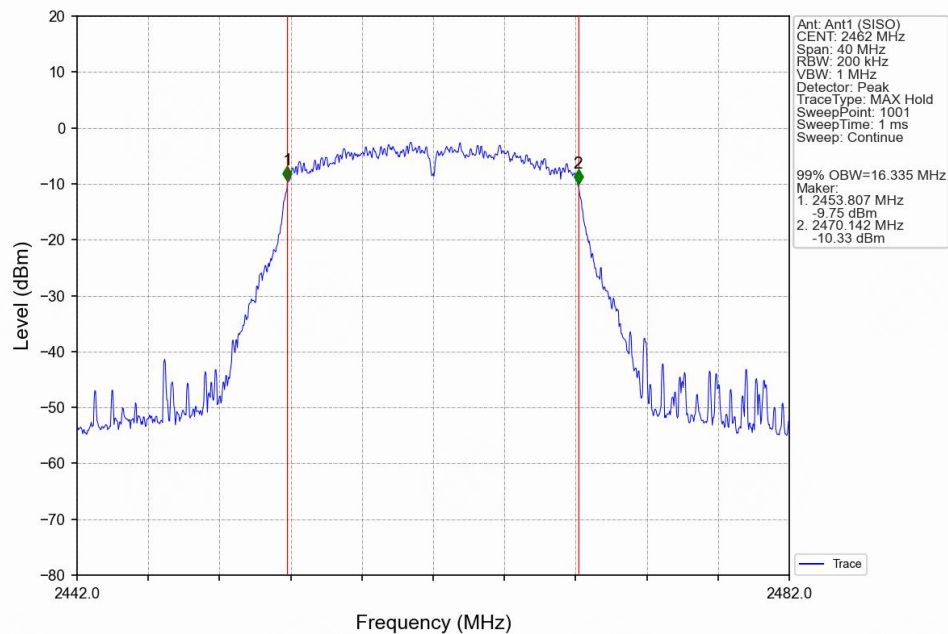
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



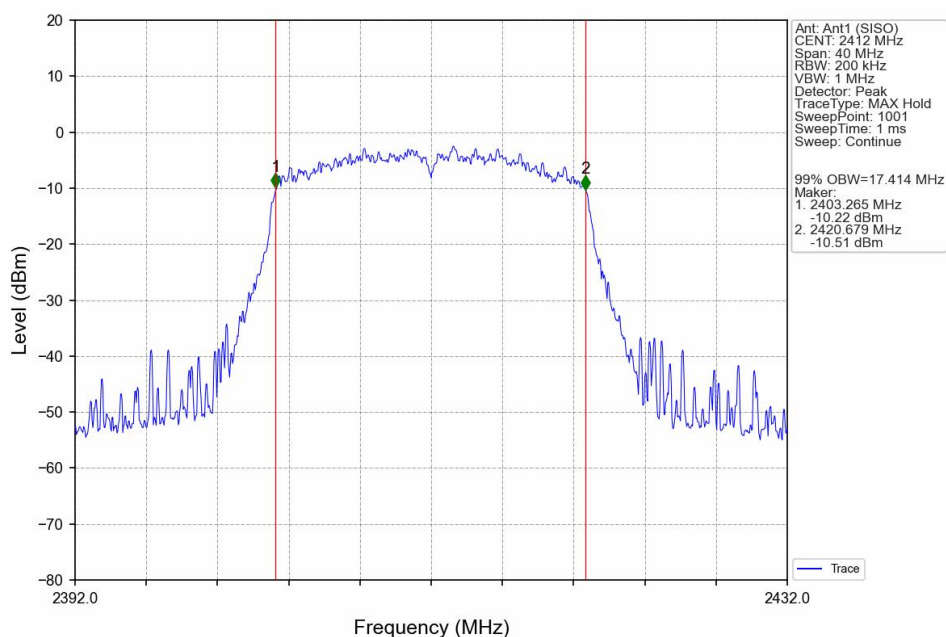
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



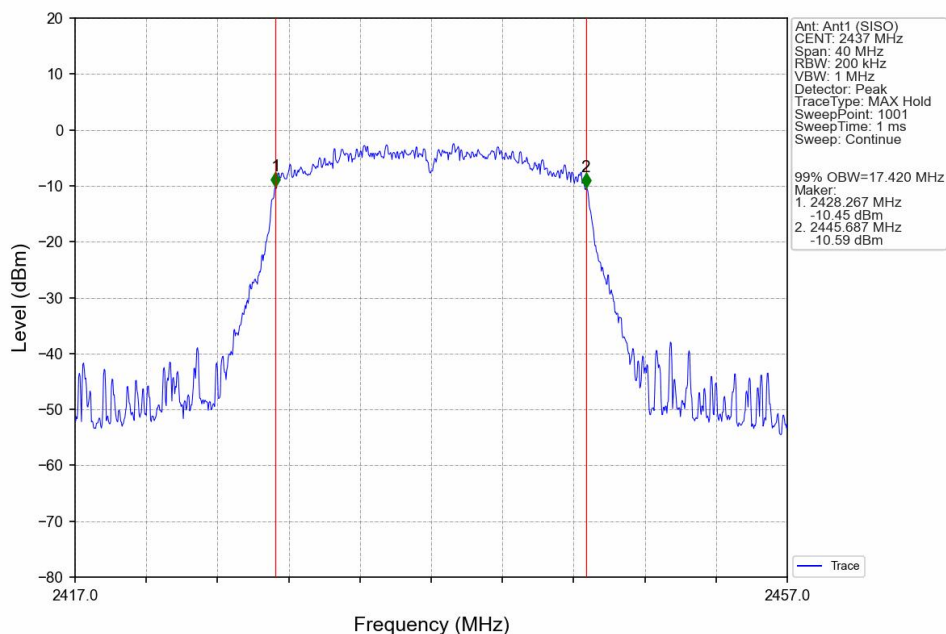
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



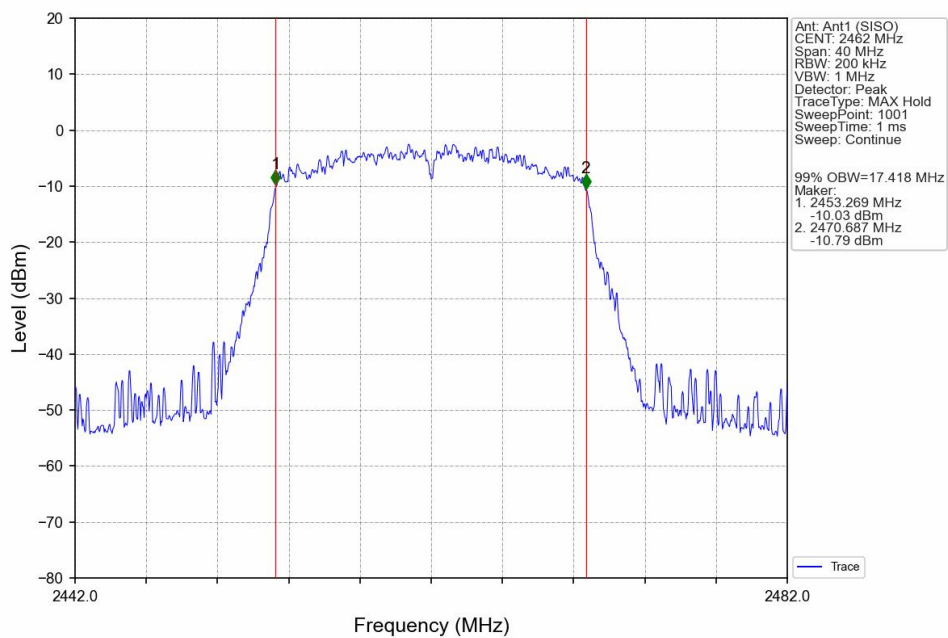
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



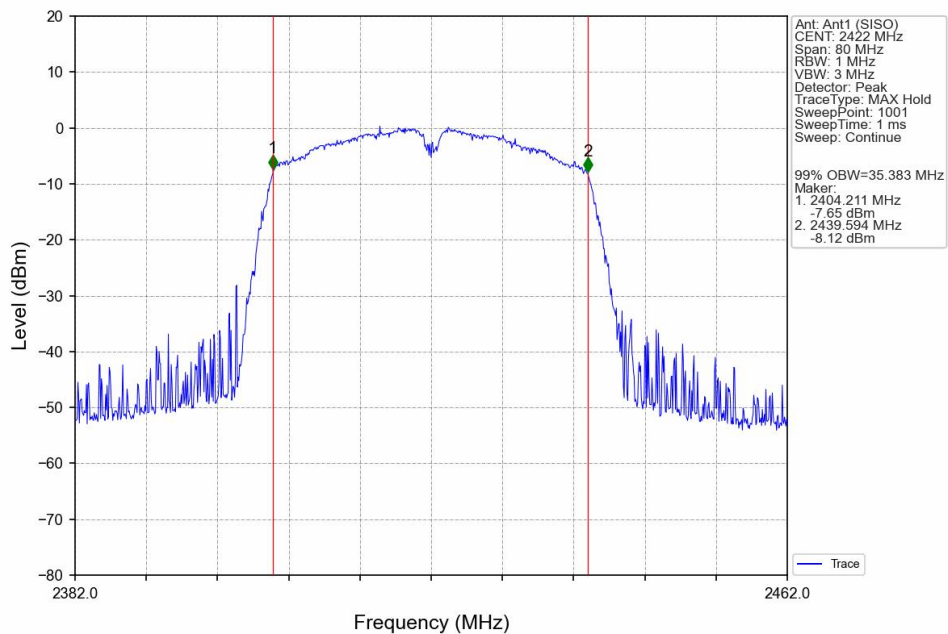
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



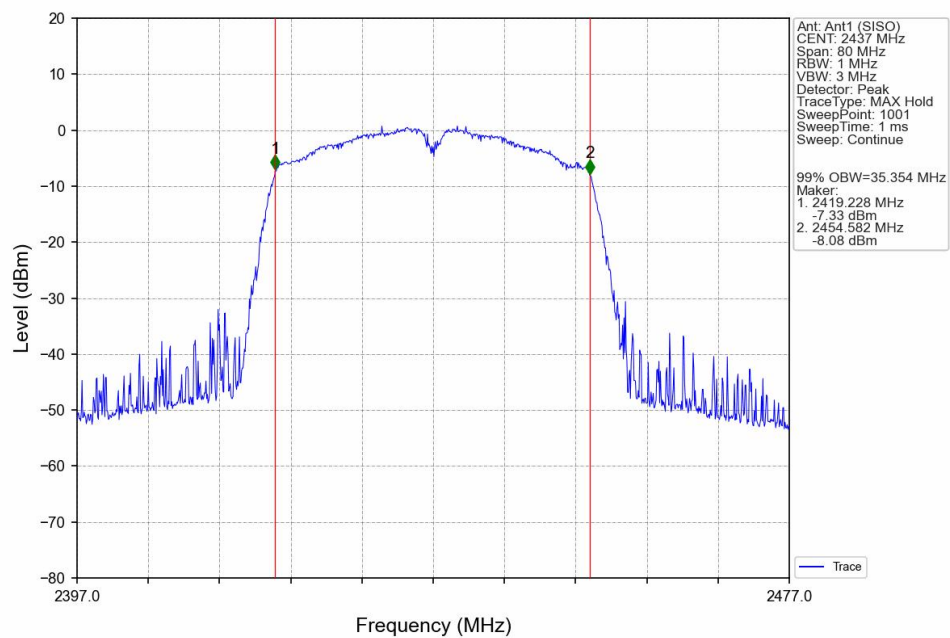
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



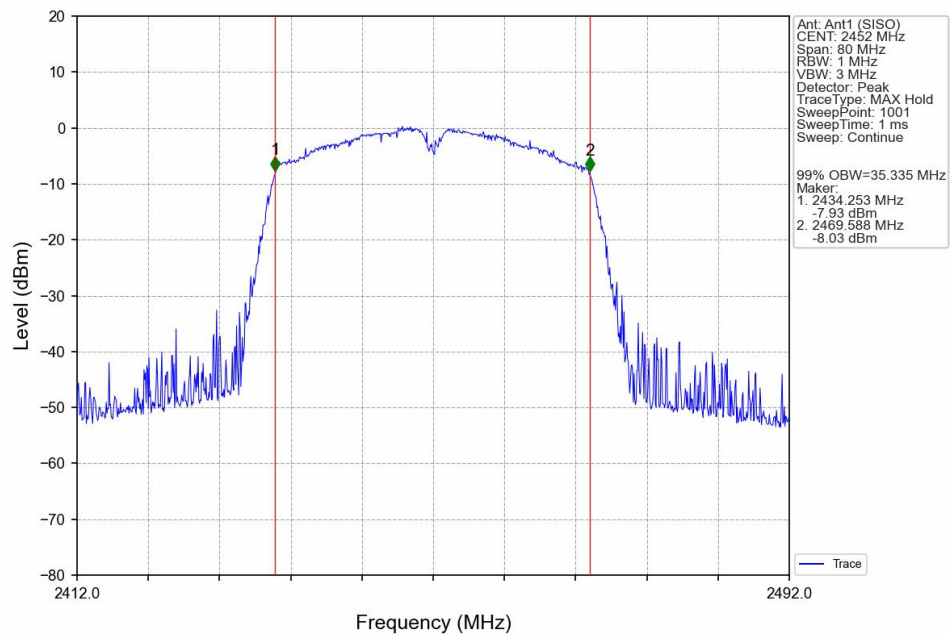
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2.2.2 6dB BW

