1. Bandwidth

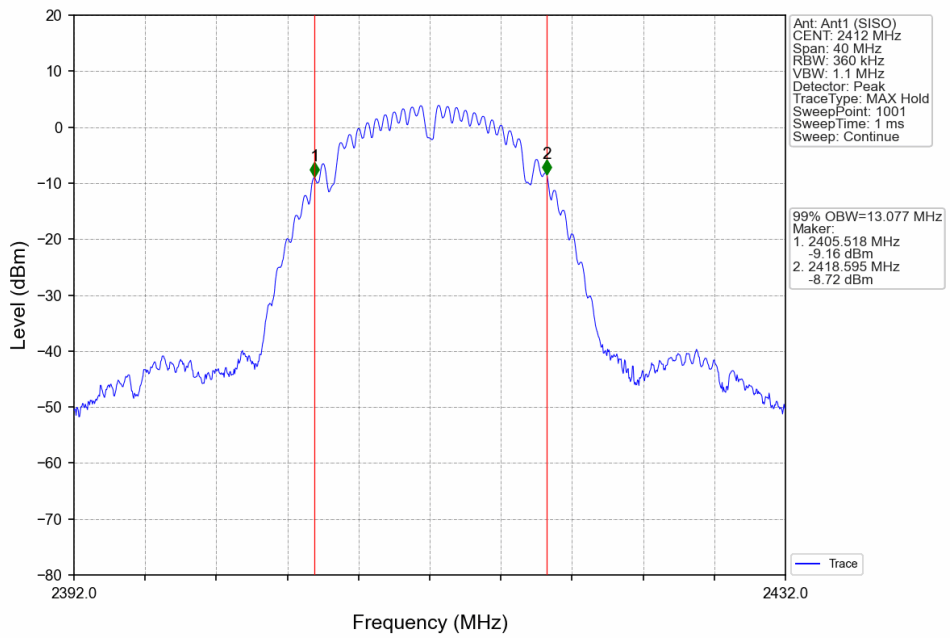
1.1 OBW

1.1.1 Test Result

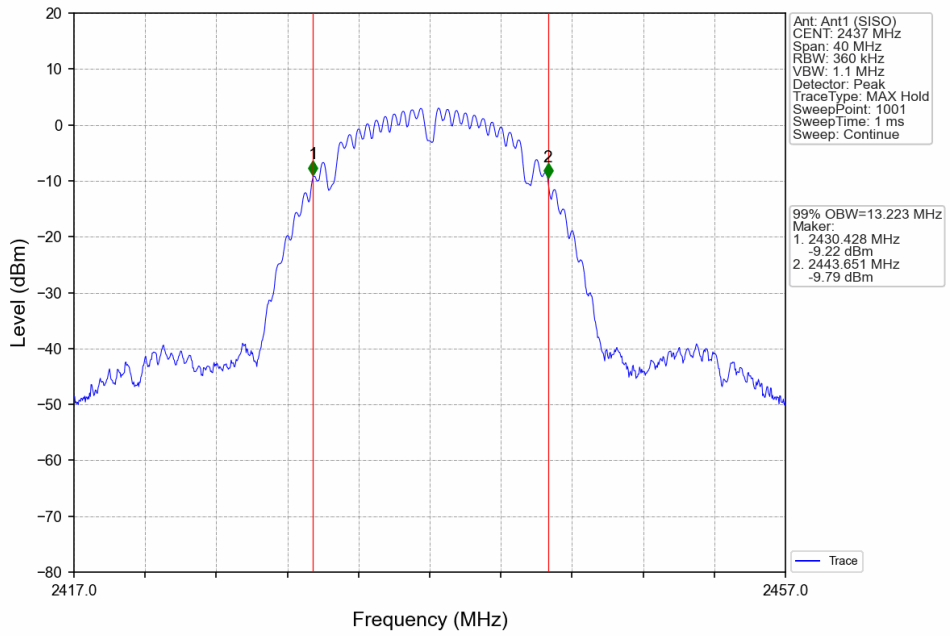
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.077	/	Pass
		2437	1	13.223	/	Pass
		2462	1	13.127	/	Pass
802.11g	SISO	2412	1	17.898	/	Pass
		2437	1	18.267	/	Pass
		2462	1	18.016	/	Pass
802.11n (HT20)	SISO	2412	1	18.726	/	Pass
		2437	1	19.012	/	Pass
		2462	1	18.829	/	Pass
802.11n (HT40)	SISO	2422	1	36.853	/	Pass
		2437	1	37.402	/	Pass
		2452	1	36.747	/	Pass

1.1.2 Test Graph

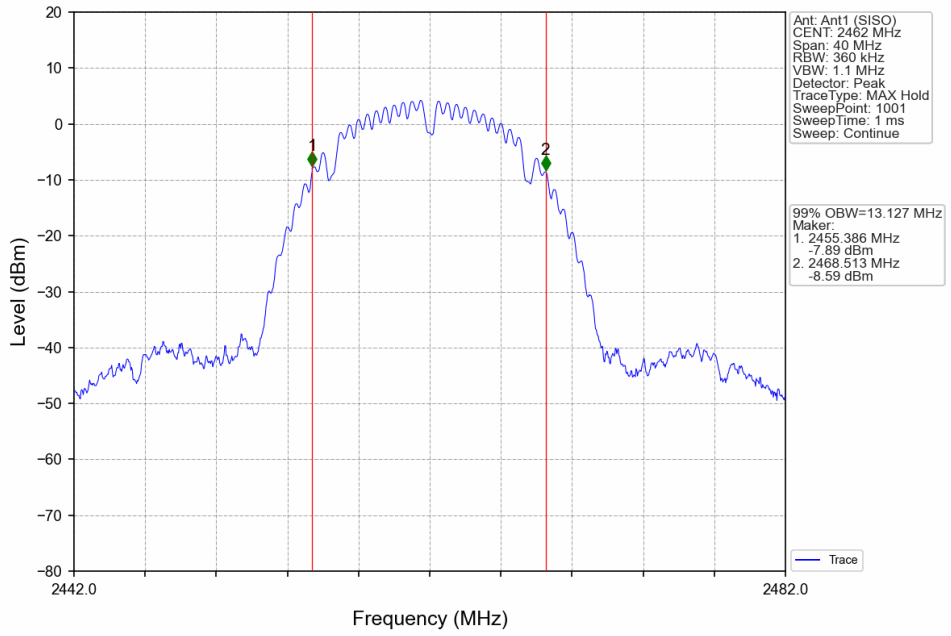
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



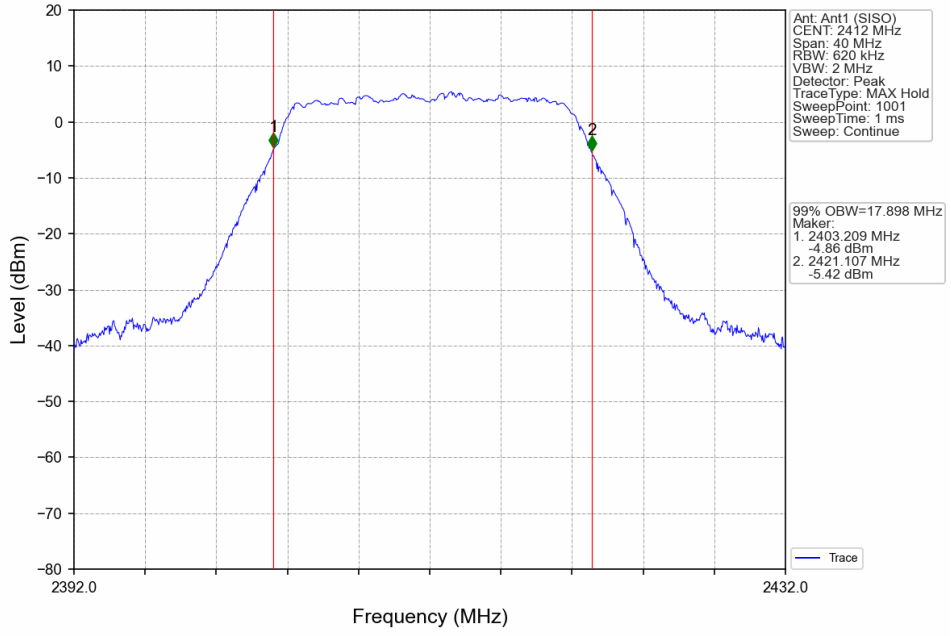
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



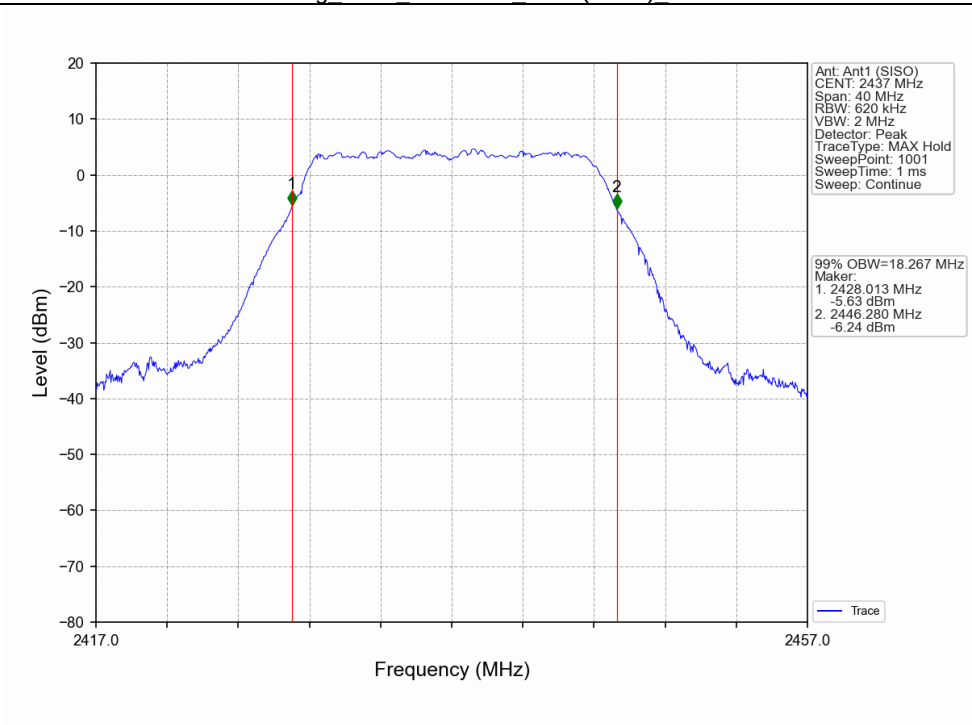
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



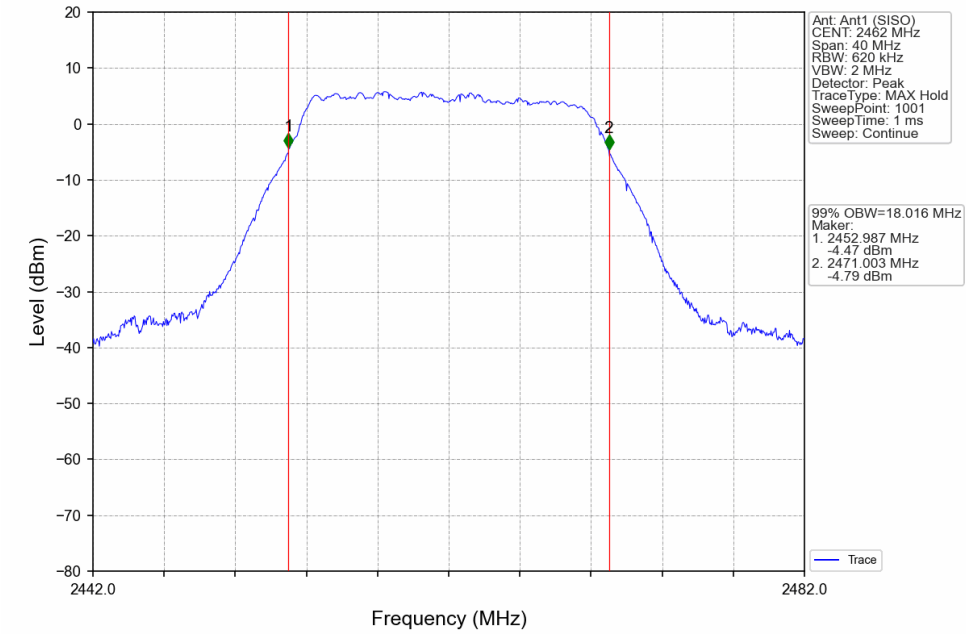
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



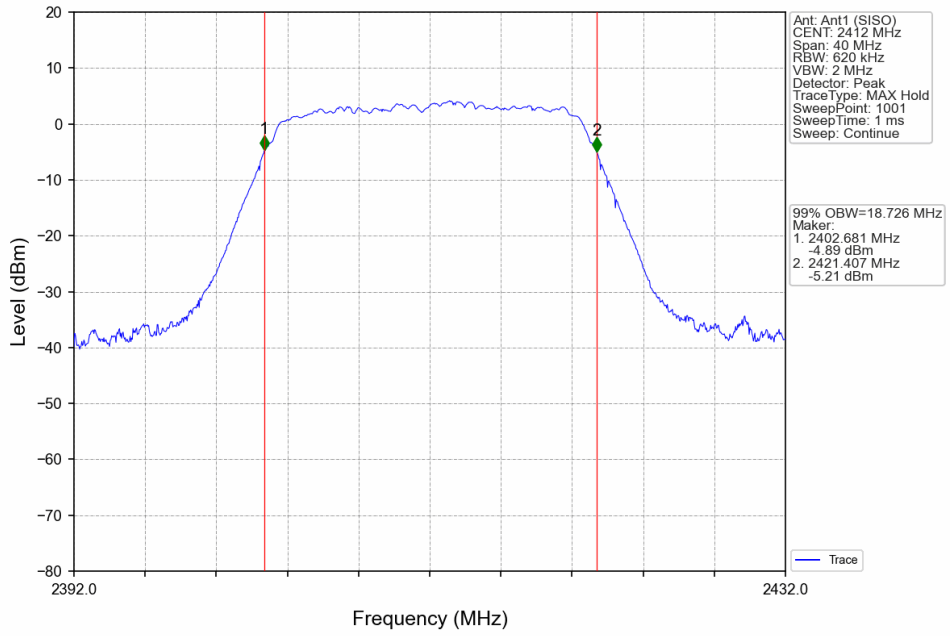
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



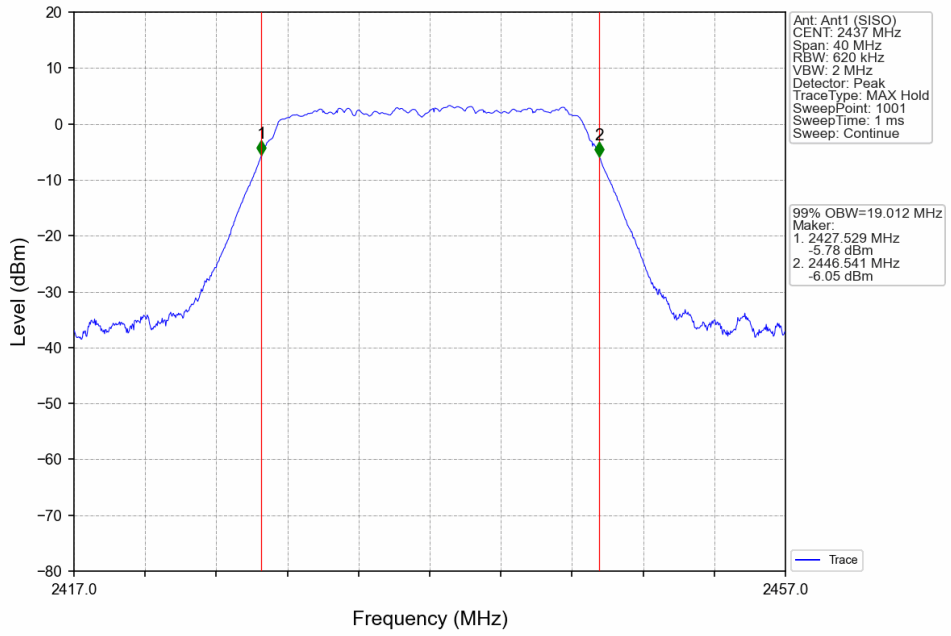
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



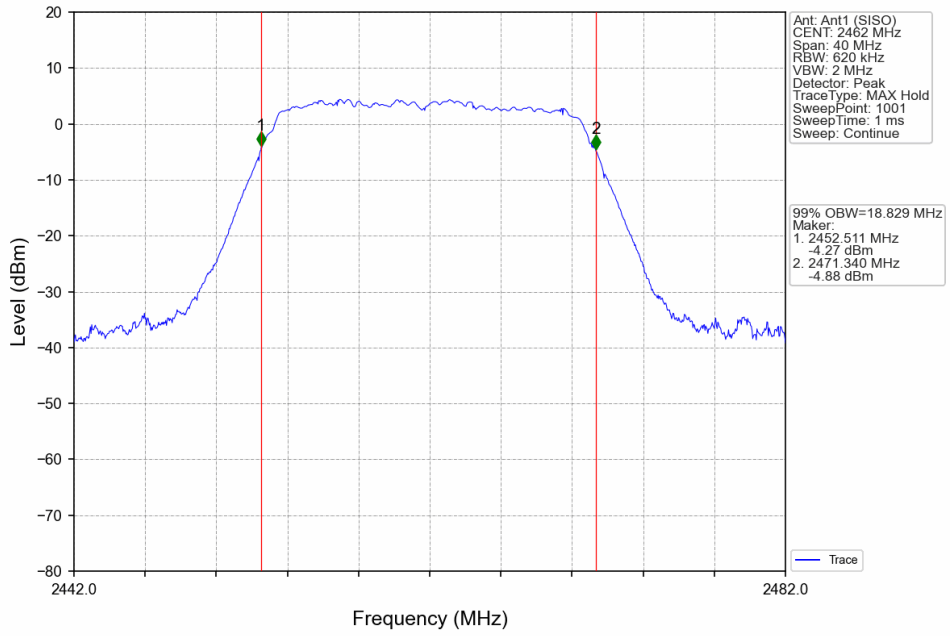
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



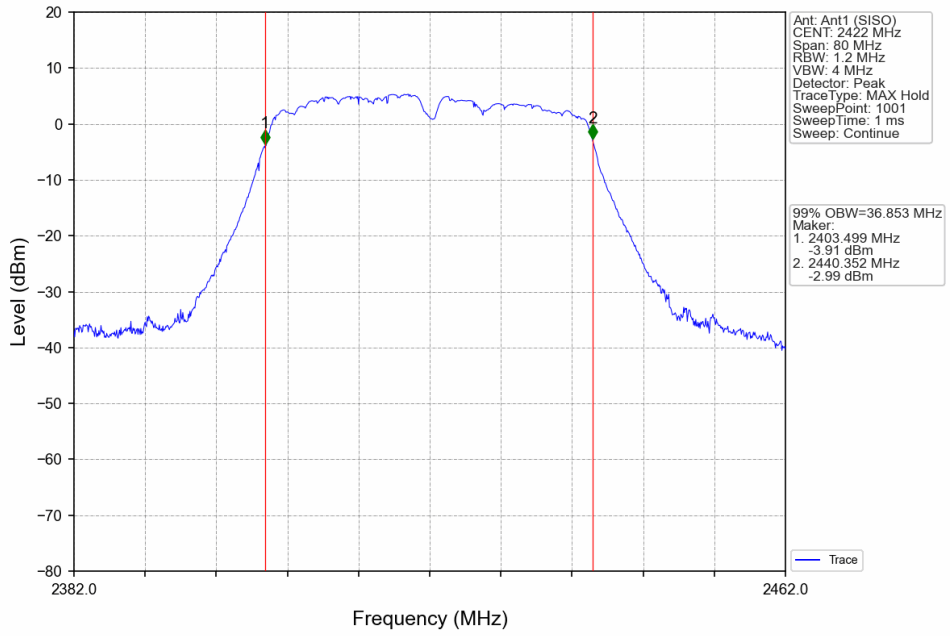
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



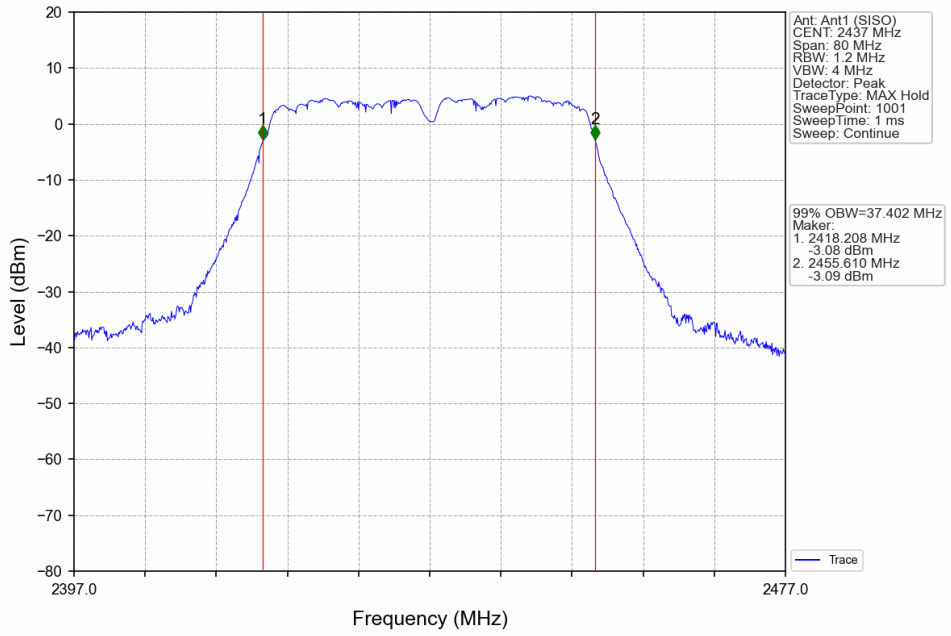
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



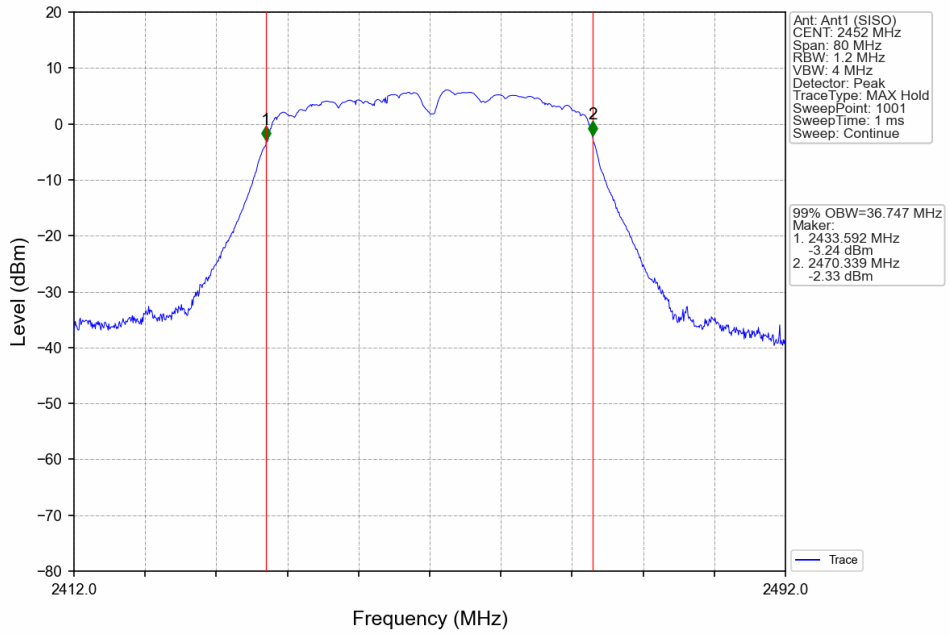
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



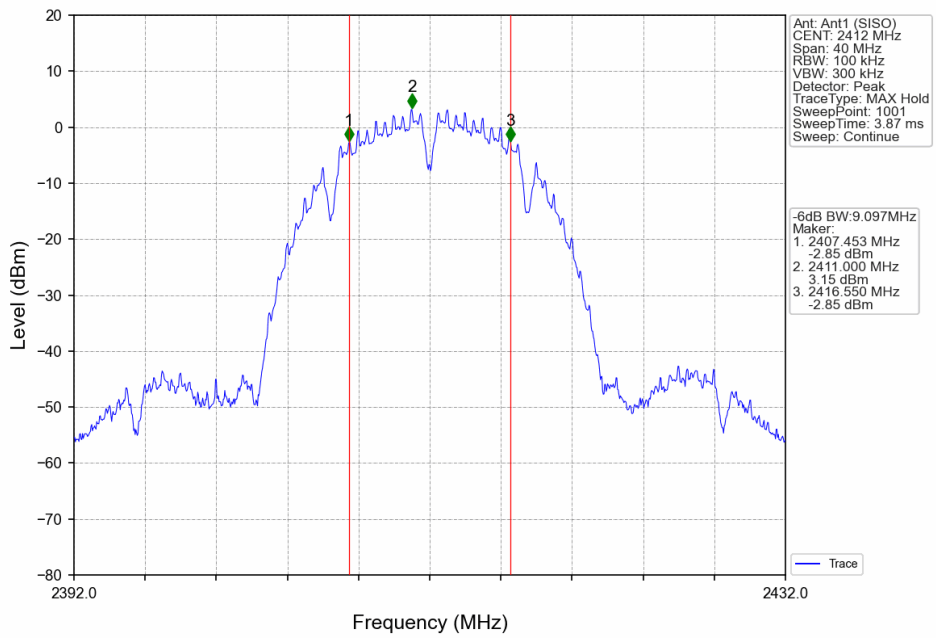
1.2 6dB BW

1.2.1 Test Result

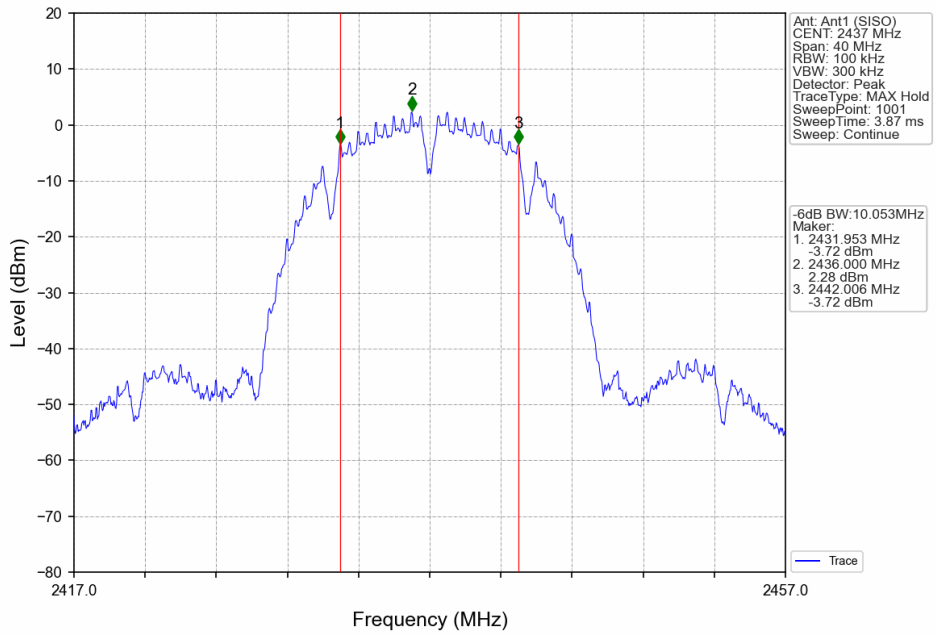
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.097	>=0.5	Pass
		2437	1	10.053	>=0.5	Pass
		2462	1	9.582	>=0.5	Pass
802.11g	SISO	2412	1	15.769	>=0.5	Pass
		2437	1	16.347	>=0.5	Pass
		2462	1	16.331	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	15.269	>=0.5	Pass
		2437	1	17.574	>=0.5	Pass
		2462	1	16.403	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	35.162	>=0.5	Pass
		2437	1	35.686	>=0.5	Pass
		2452	1	35.141	>=0.5	Pass

1.2.2 Test Graph

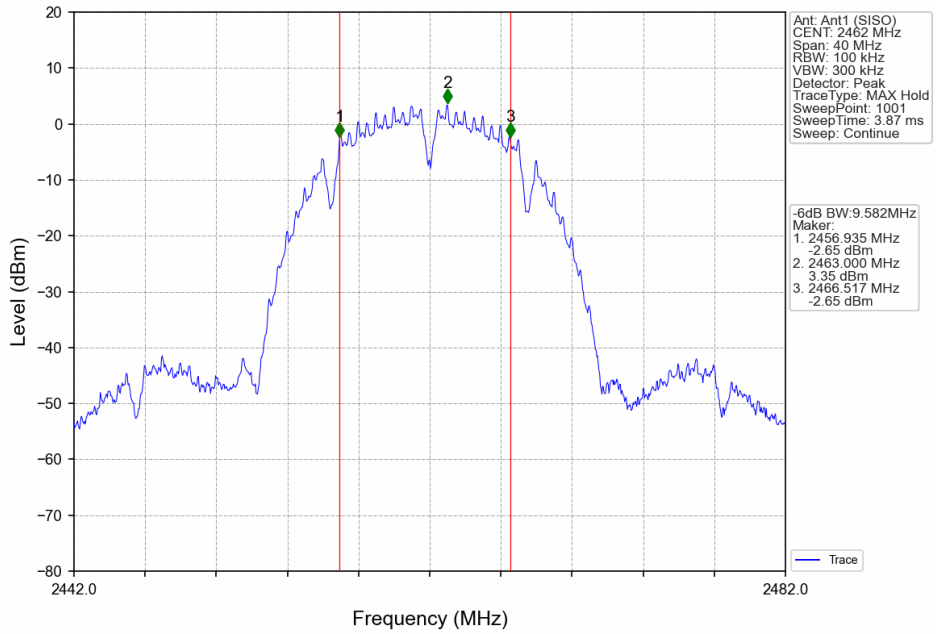
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



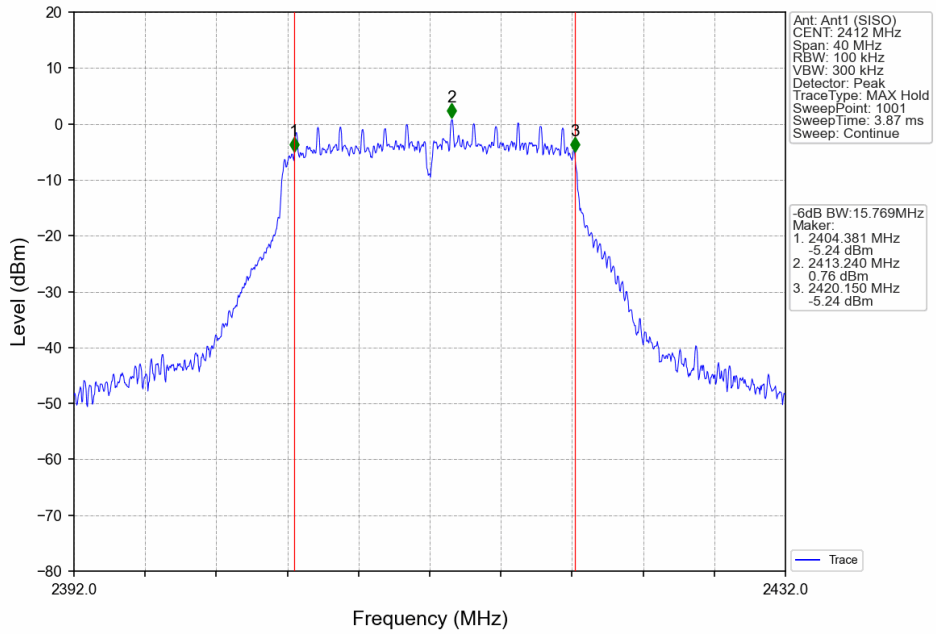
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



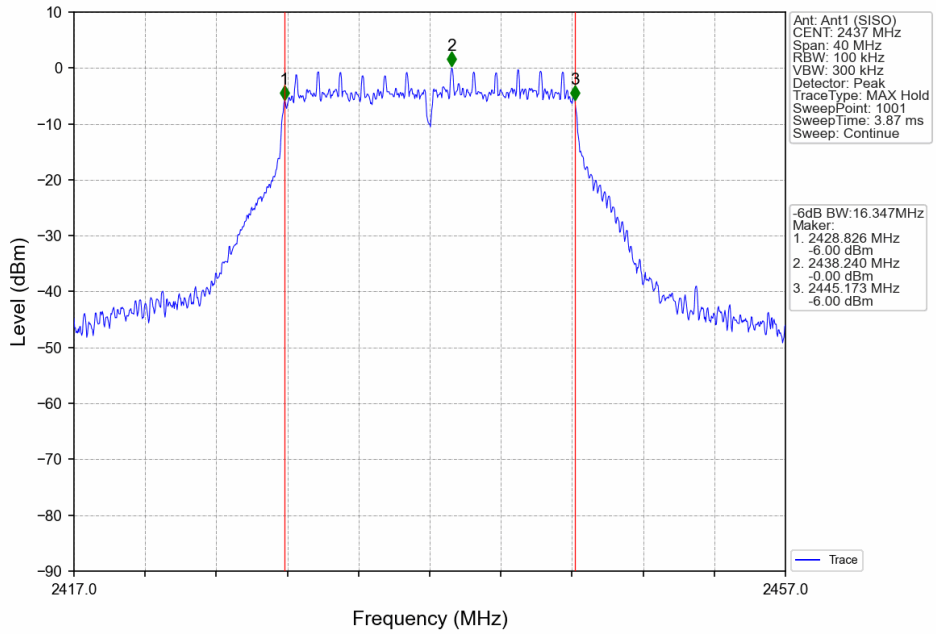
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



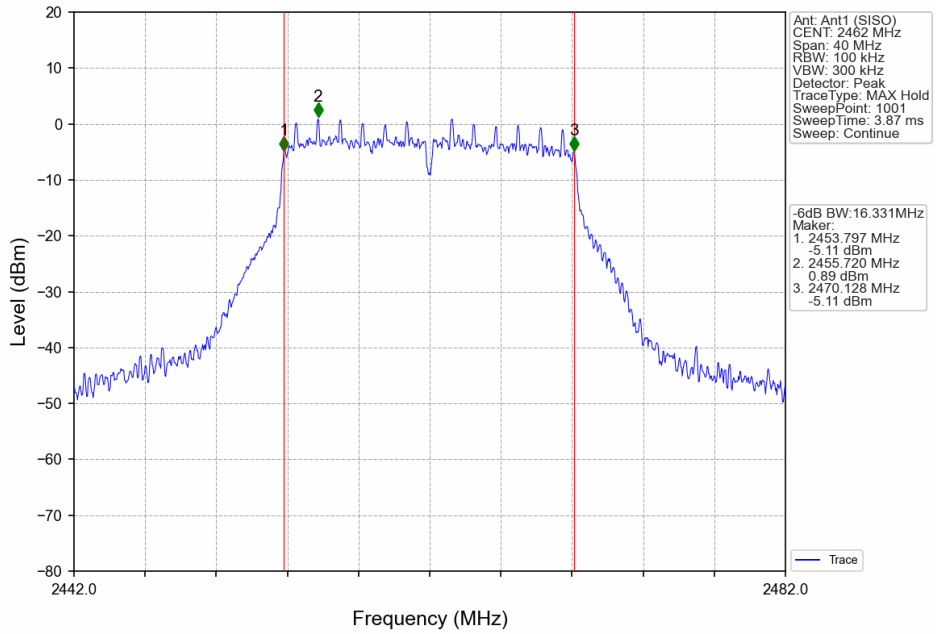
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



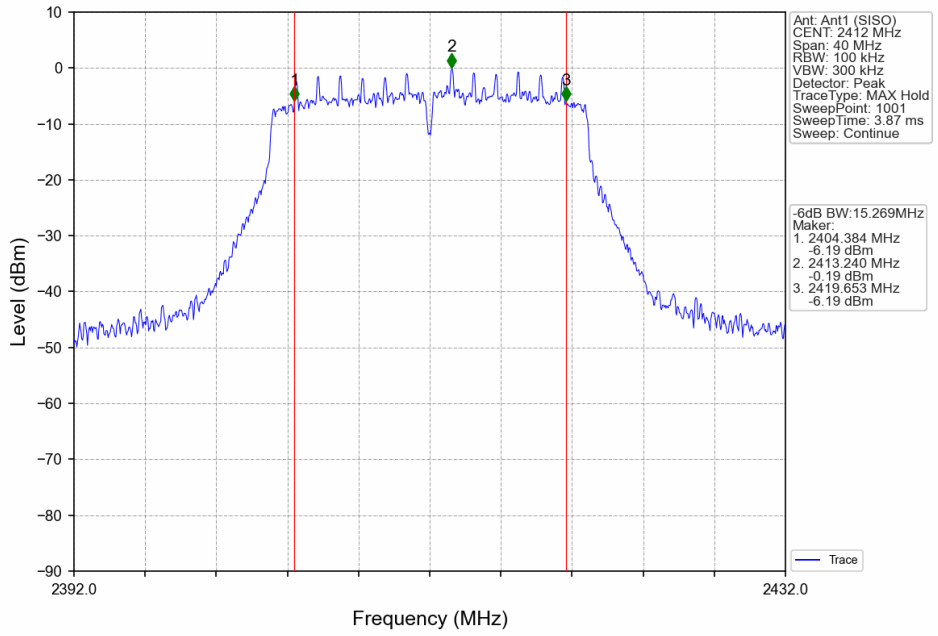
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



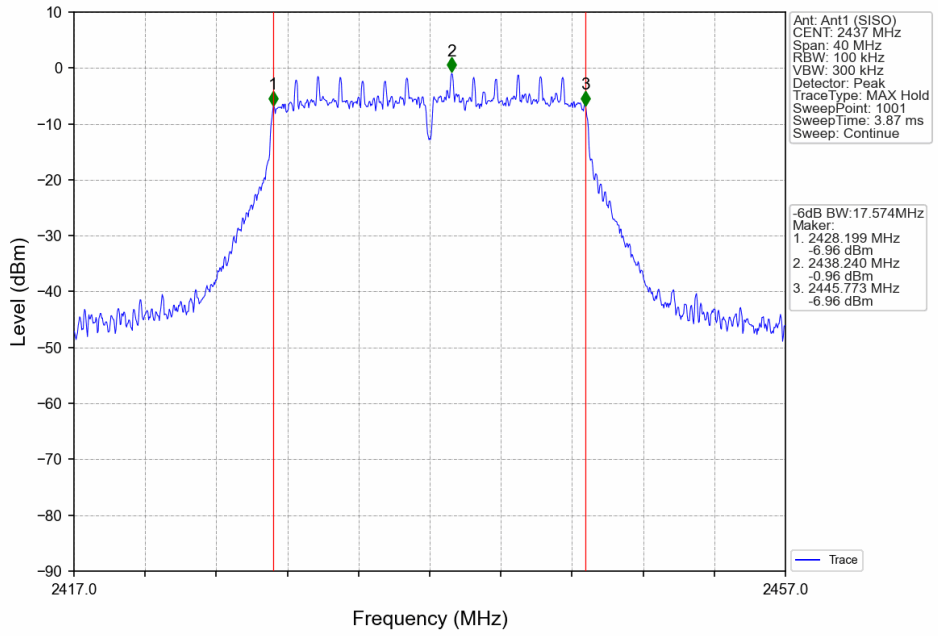
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



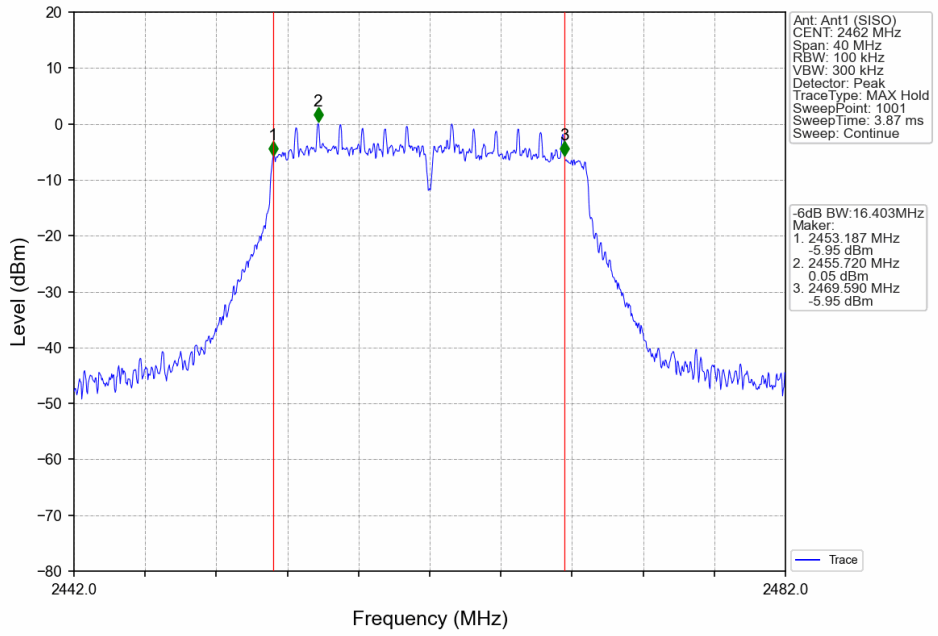
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



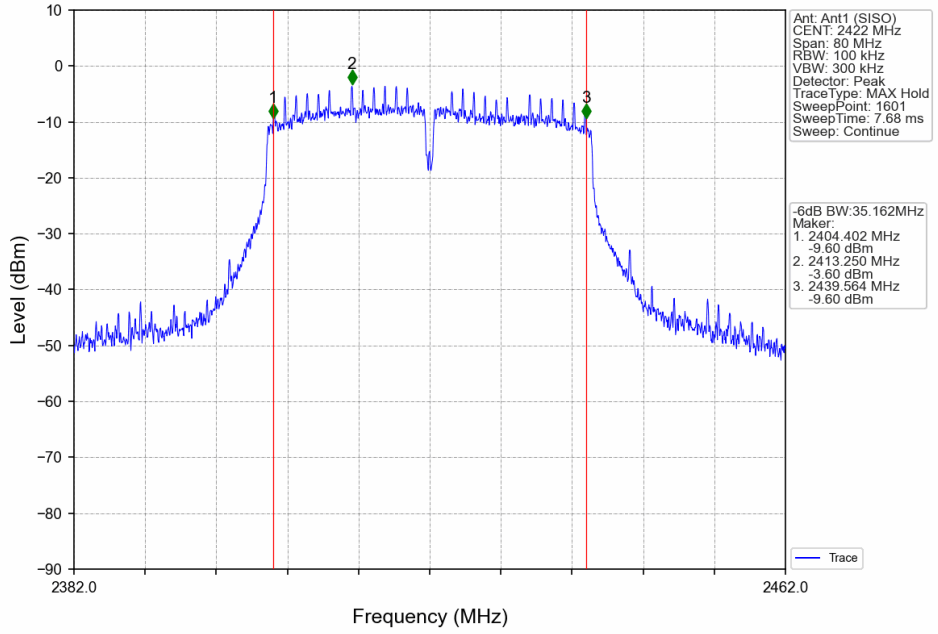
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



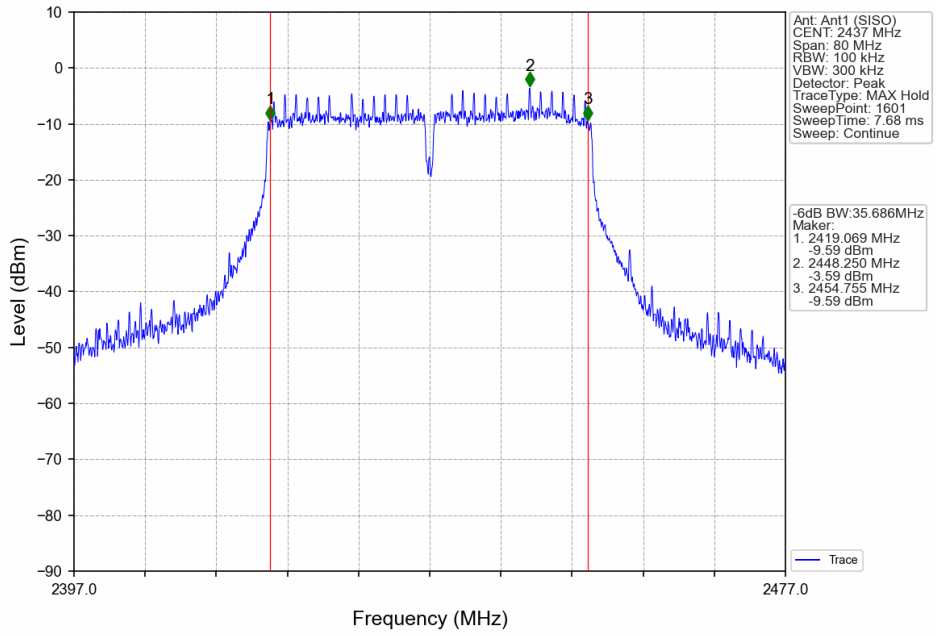
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



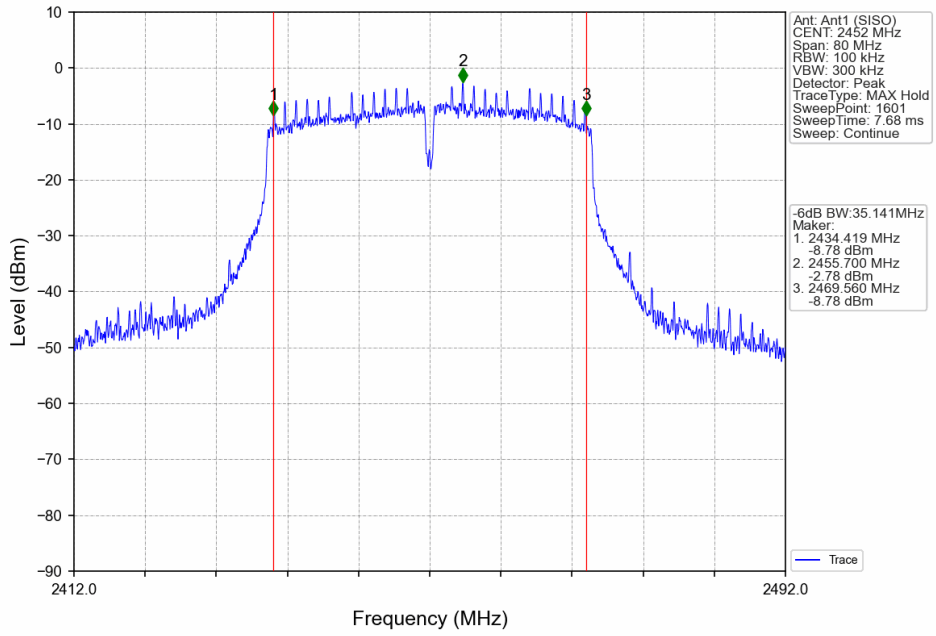
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2. Maximum Conducted Output Power

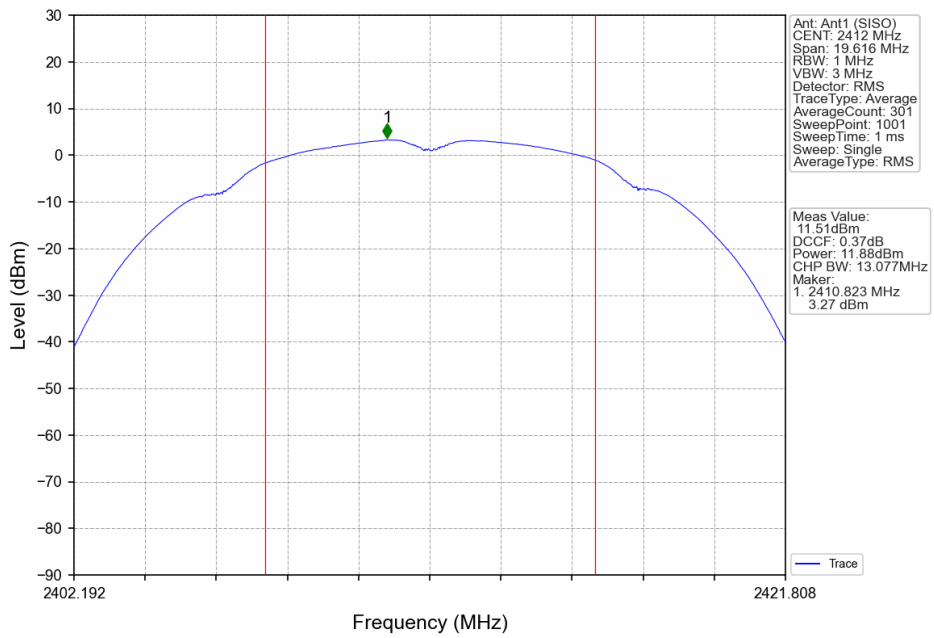
2.1 Power

2.1.1 Test Result

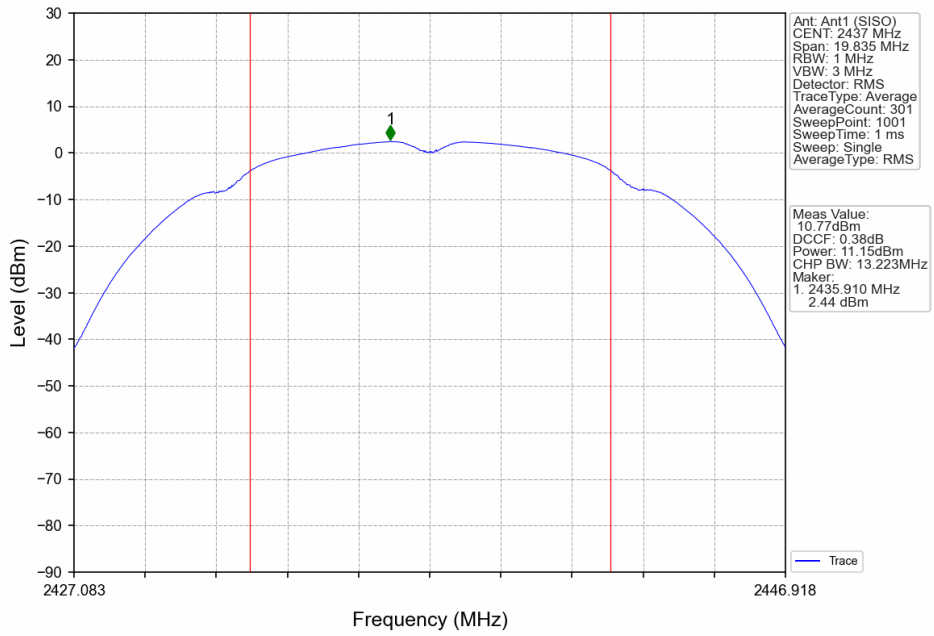
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	11.88	<=30	Pass
		2437	11.15	<=30	Pass
		2462	12.22	<=30	Pass
802.11g	SISO	2412	11.21	<=30	Pass
		2437	10.84	<=30	Pass
		2462	11.69	<=30	Pass
802.11n (HT20)	SISO	2412	10.20	<=30	Pass
		2437	9.80	<=30	Pass
		2462	10.75	<=30	Pass
802.11n (HT40)	SISO	2422	9.79	<=30	Pass
		2437	10.03	<=30	Pass
		2452	10.28	<=30	Pass

2.1.2 Test Graph

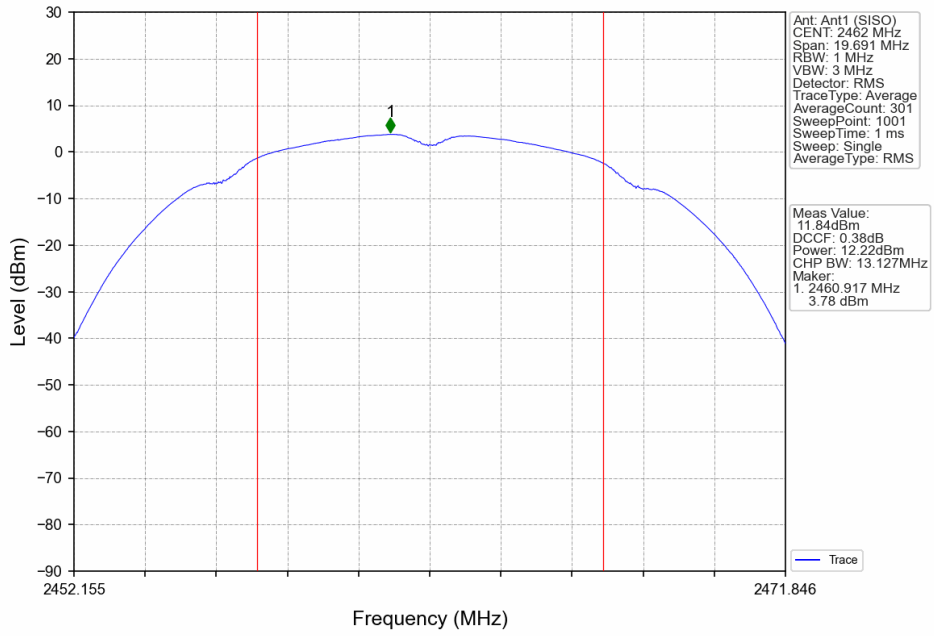
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



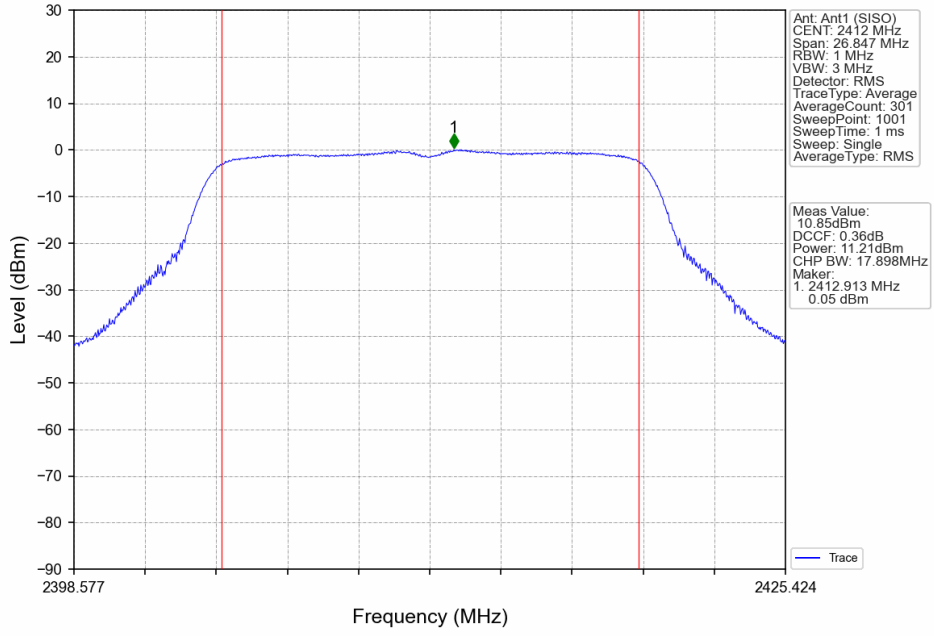
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



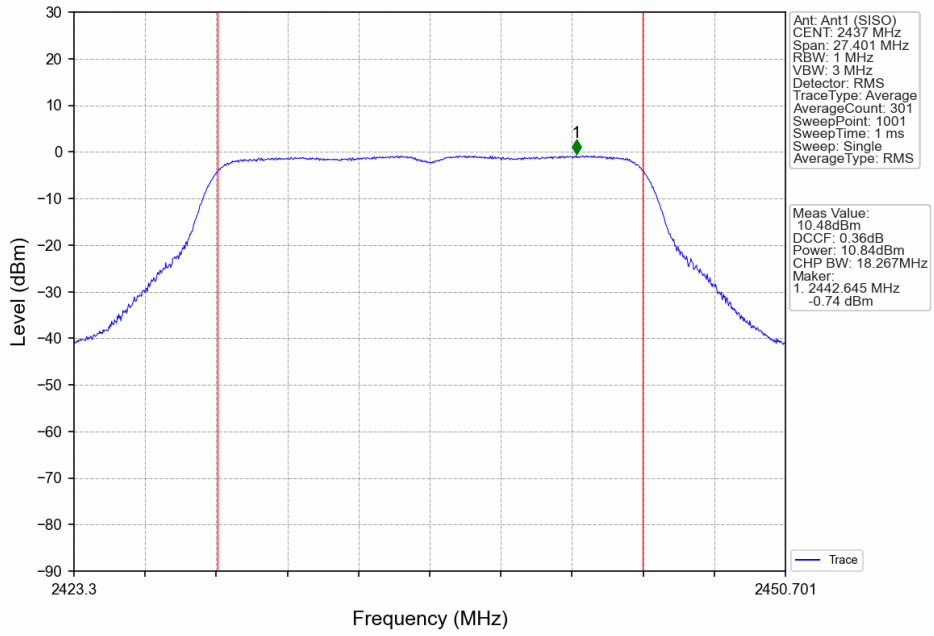
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



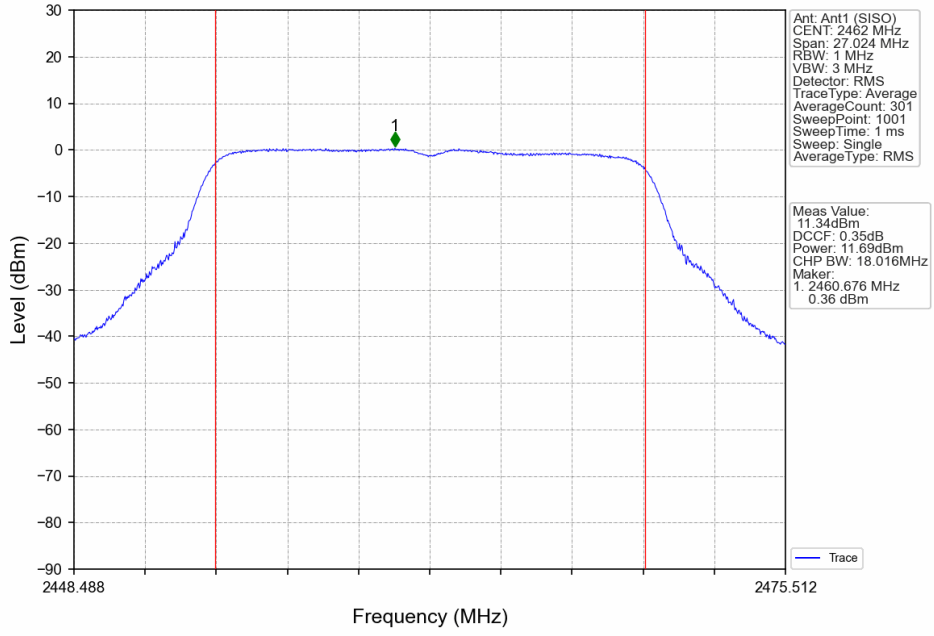
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



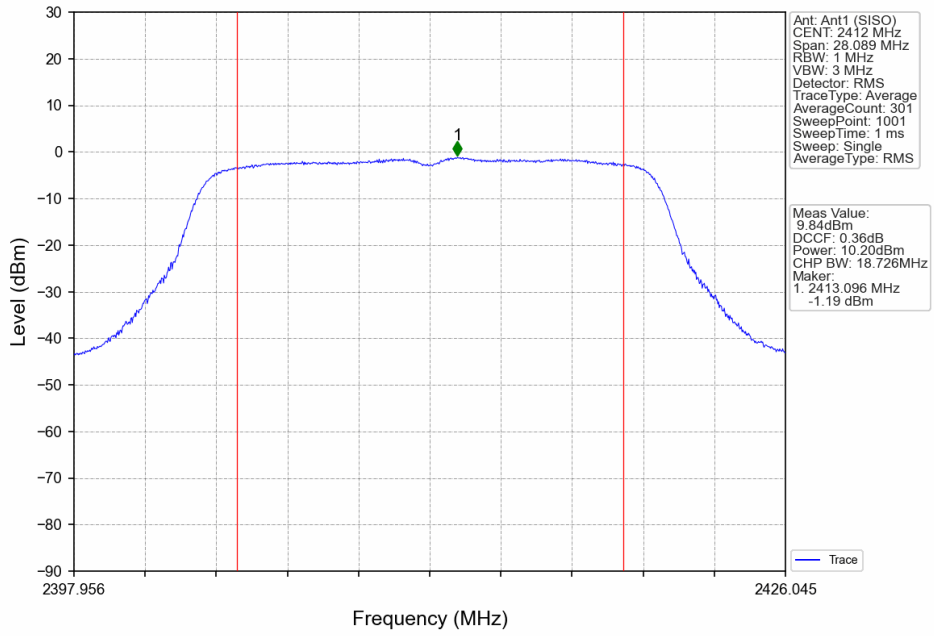
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



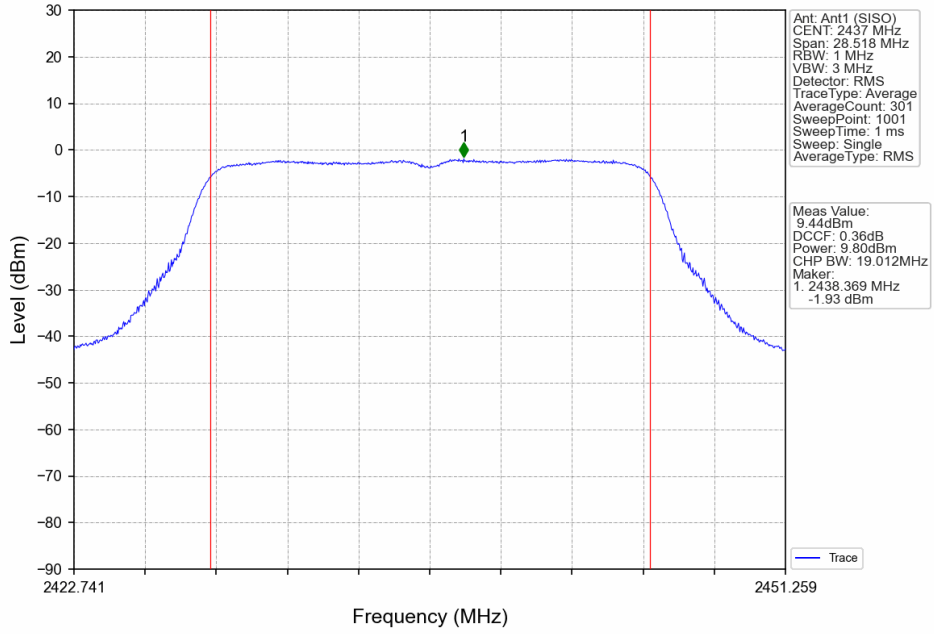
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



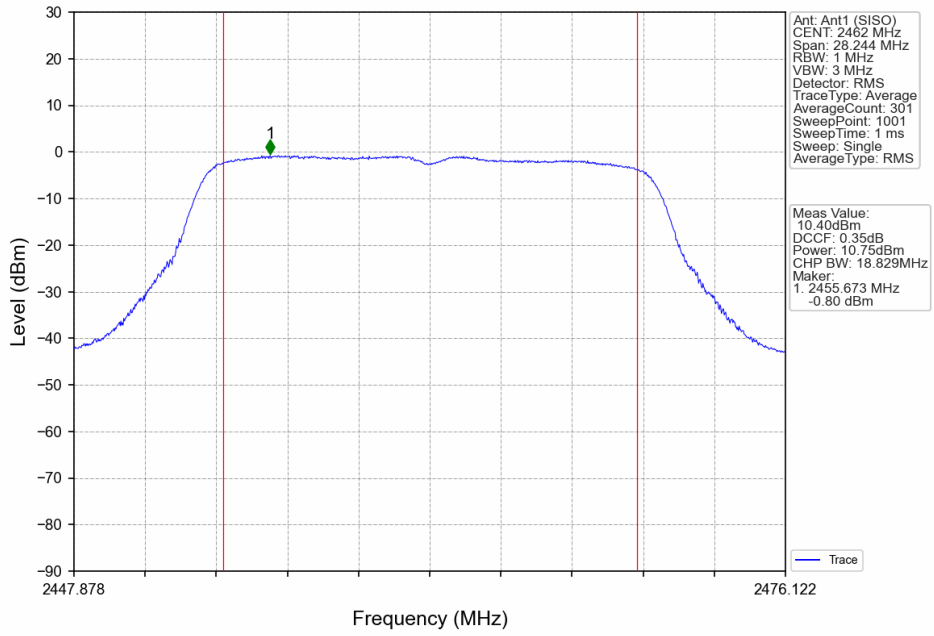
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



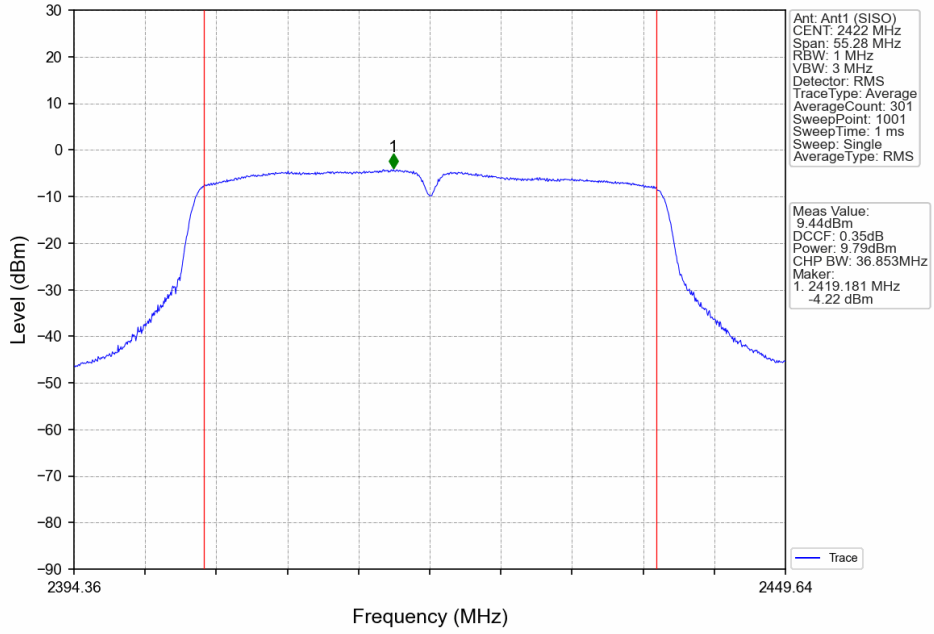
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



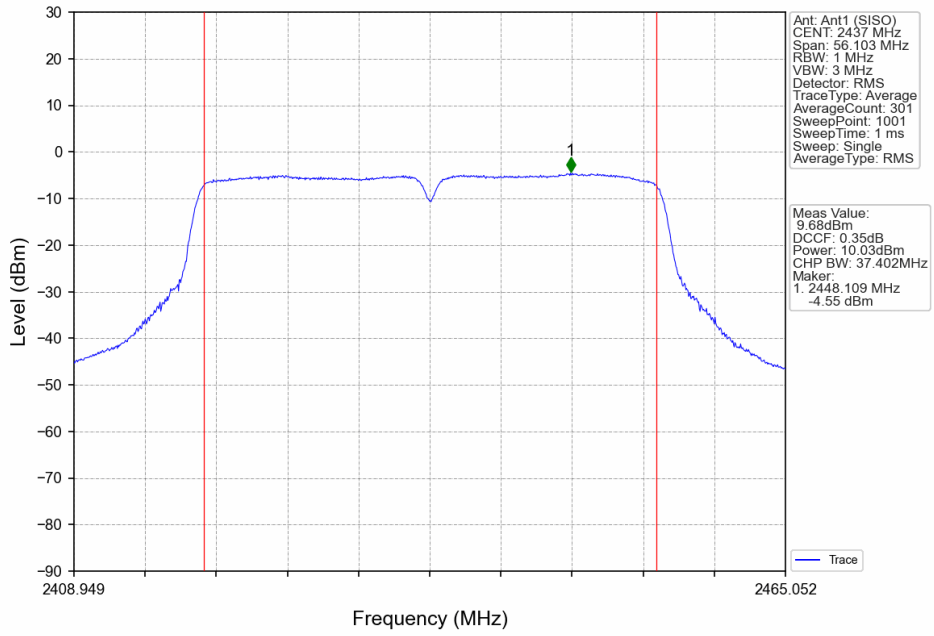
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



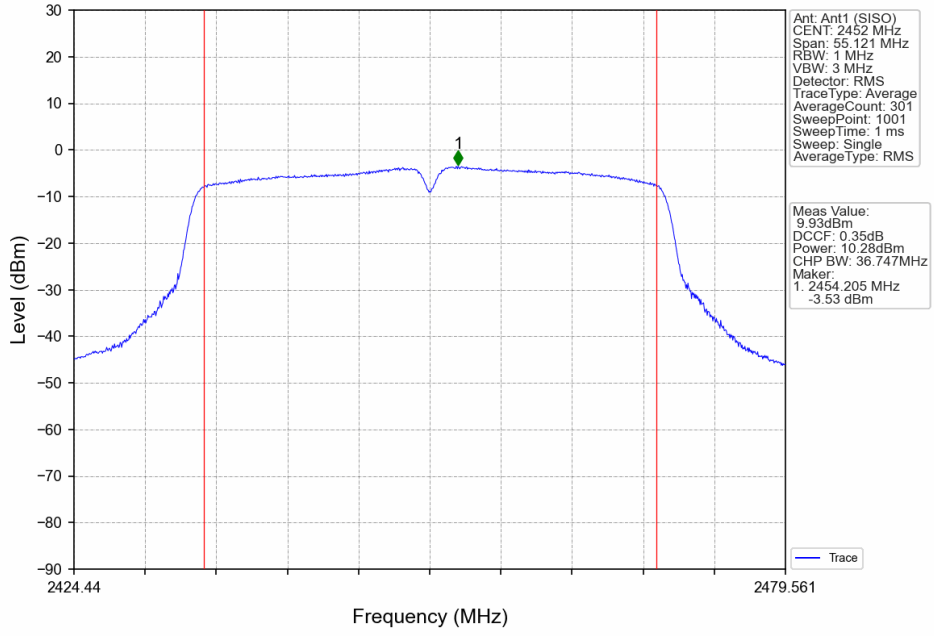
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2.2 EIRP

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	15.25	<=36.02	Pass
		2437	14.52	<=36.02	Pass
		2462	15.59	<=36.02	Pass
802.11g	SISO	2412	14.58	<=36.02	Pass
		2437	14.21	<=36.02	Pass
		2462	15.06	<=36.02	Pass
802.11n (HT20)	SISO	2412	13.57	<=36.02	Pass
		2437	13.17	<=36.02	Pass
		2462	14.12	<=36.02	Pass
802.11n (HT40)	SISO	2422	13.16	<=36.02	Pass
		2437	13.40	<=36.02	Pass
		2452	13.65	<=36.02	Pass
Note1: Antenna Gain: Ant1: 3.37dBi; Note2: E.I.R.P = Measured Power + Antenna Gain					

3. Maximum Power Spectral Density

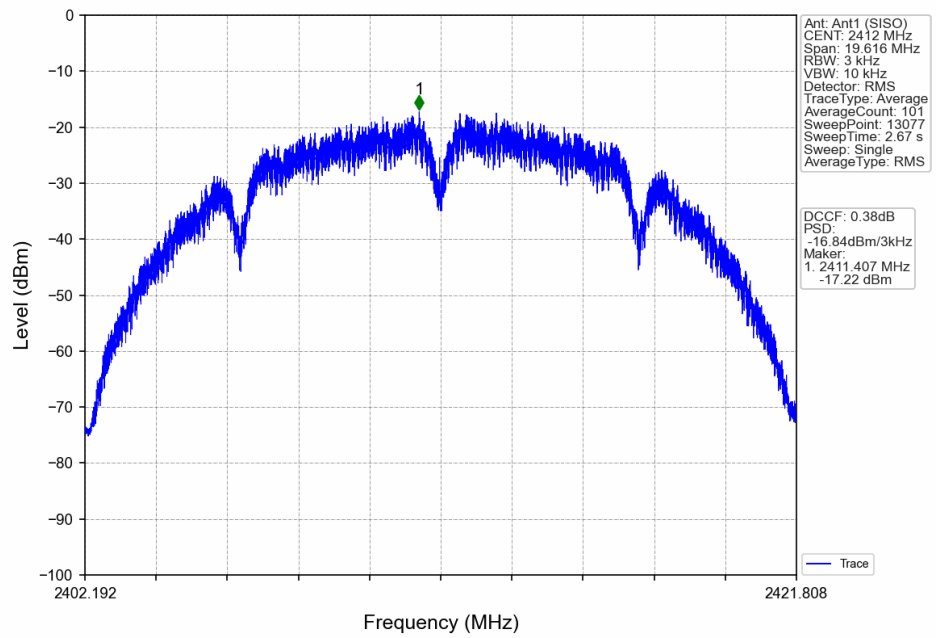
3.1 PSD

3.1.1 Test Result

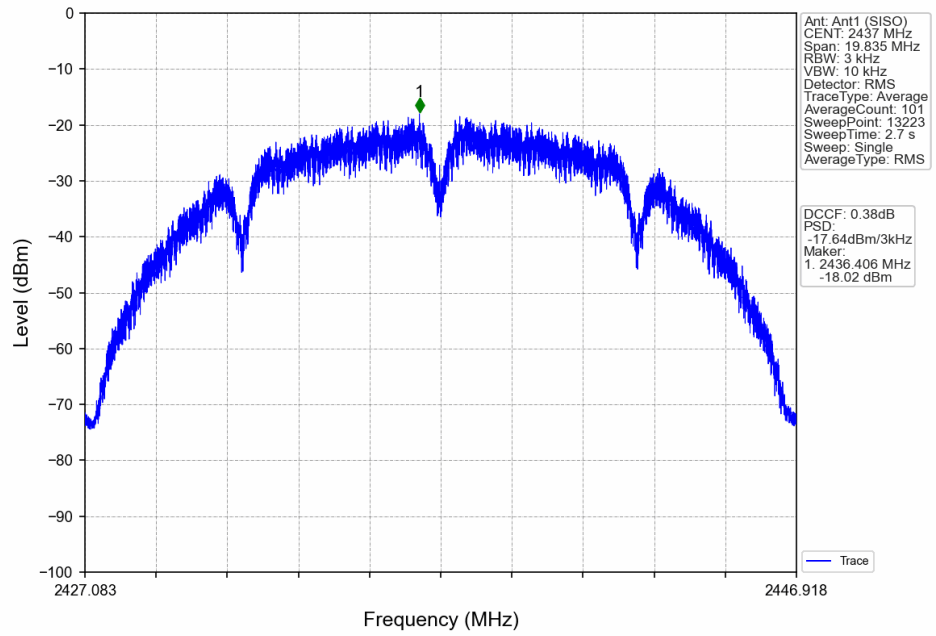
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-16.84	<=8	Pass
		2437	-17.64	<=8	Pass
		2462	-15.64	<=8	Pass
802.11g	SISO	2412	-18.21	<=8	Pass
		2437	-19.09	<=8	Pass
		2462	-18.00	<=8	Pass
802.11n (HT20)	SISO	2412	-18.89	<=8	Pass
		2437	-19.75	<=8	Pass
		2462	-18.26	<=8	Pass
802.11n (HT40)	SISO	2422	-22.06	<=8	Pass
		2437	-21.66	<=8	Pass
		2452	-20.67	<=8	Pass
Note1: Antenna Gain: Ant1: 0.00dBi;					

3.1.2 Test Graph

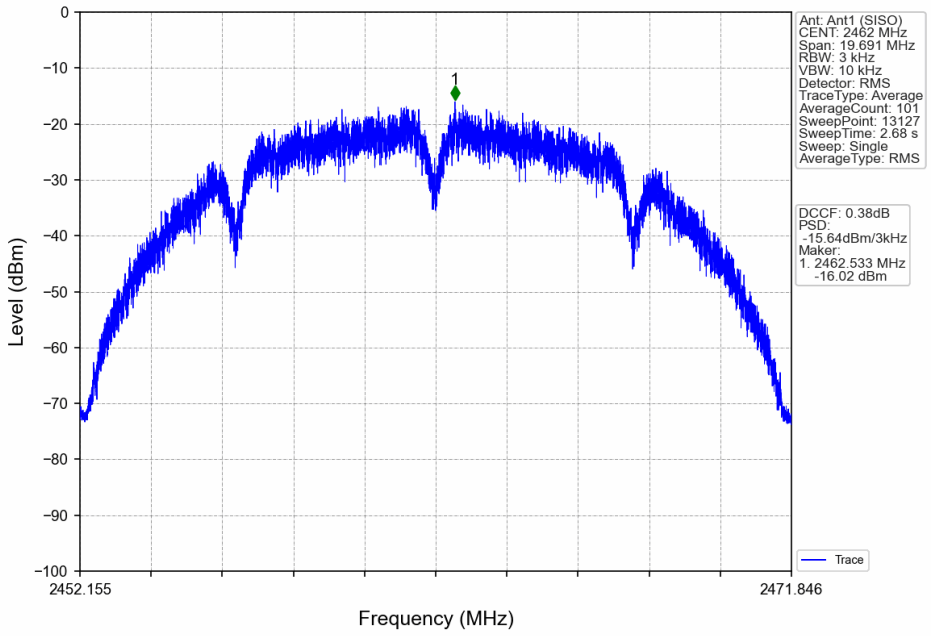
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



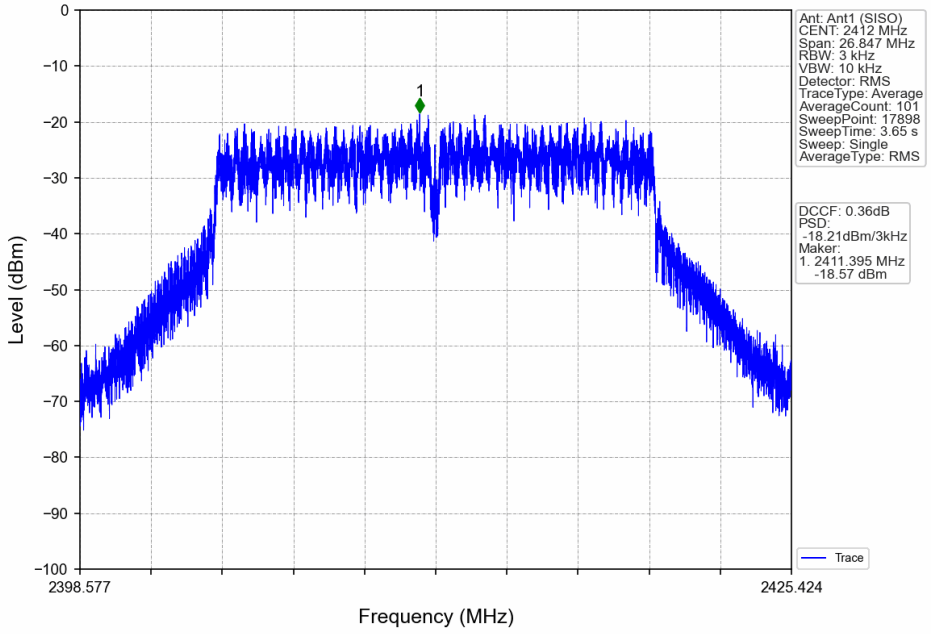
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



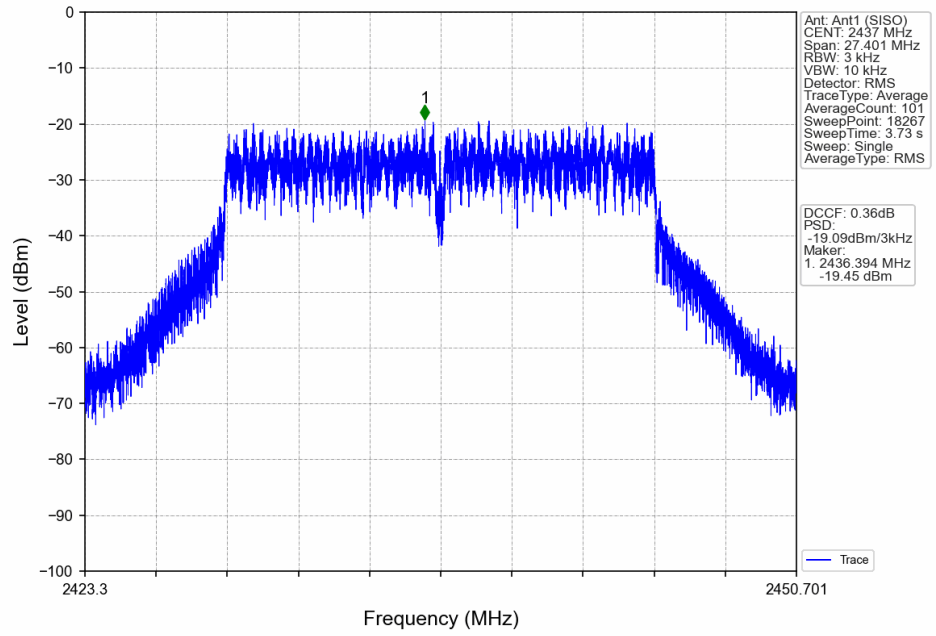
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



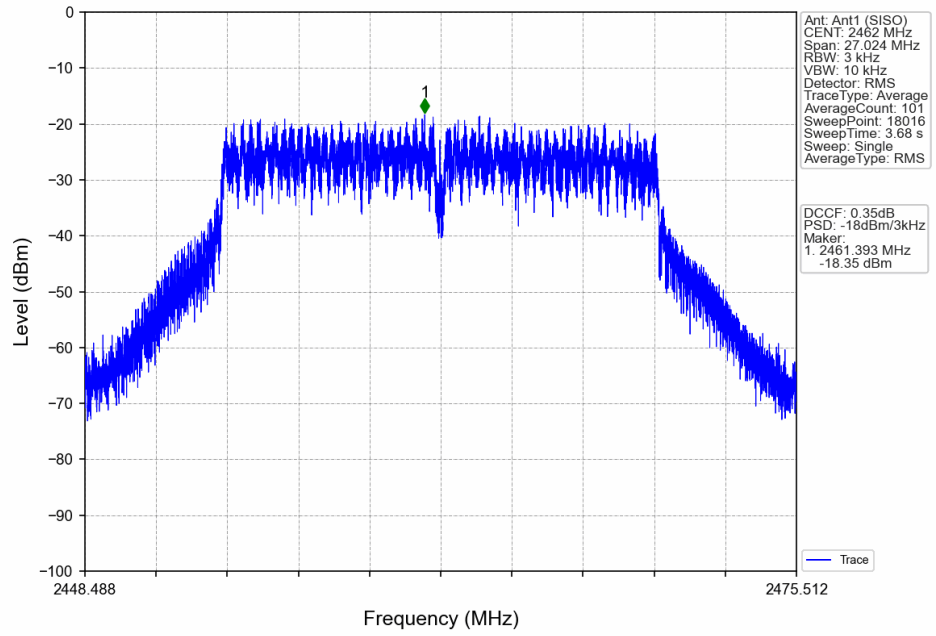
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



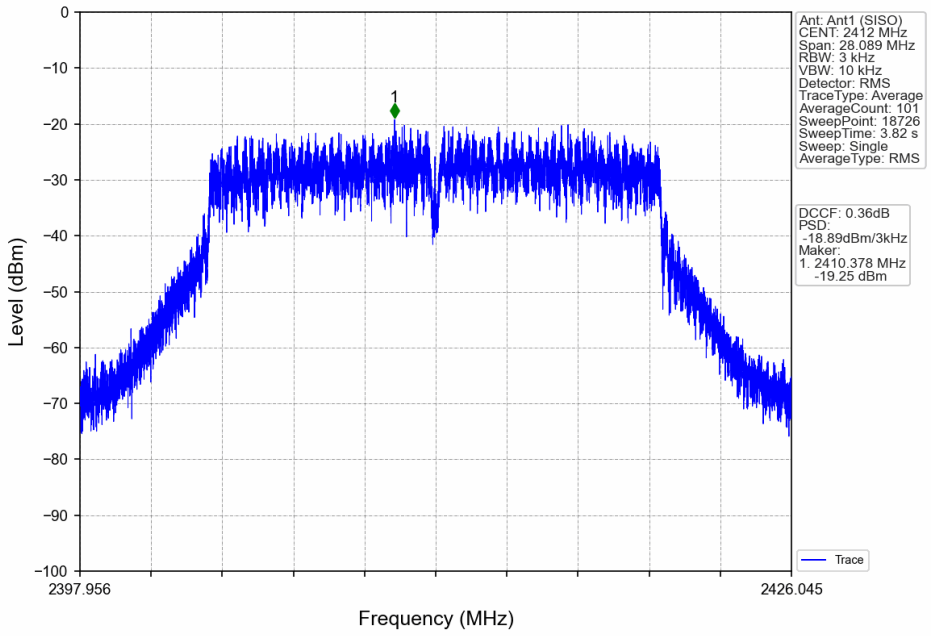
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



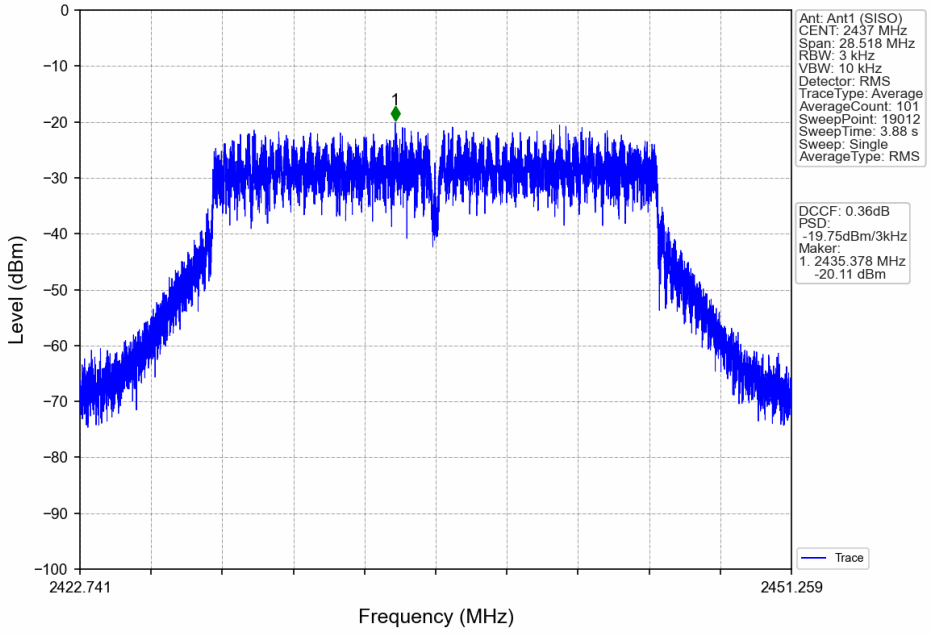
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



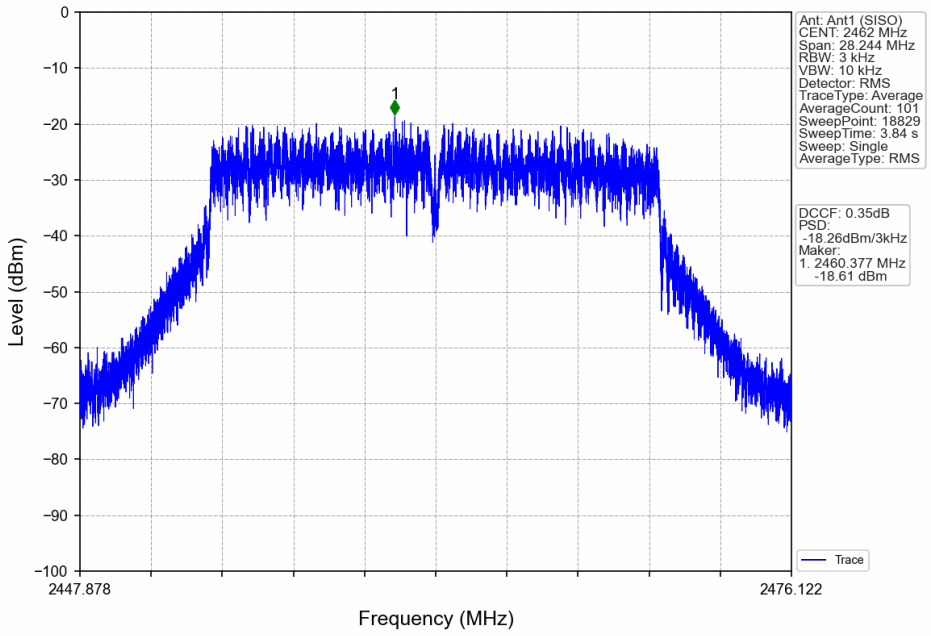
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



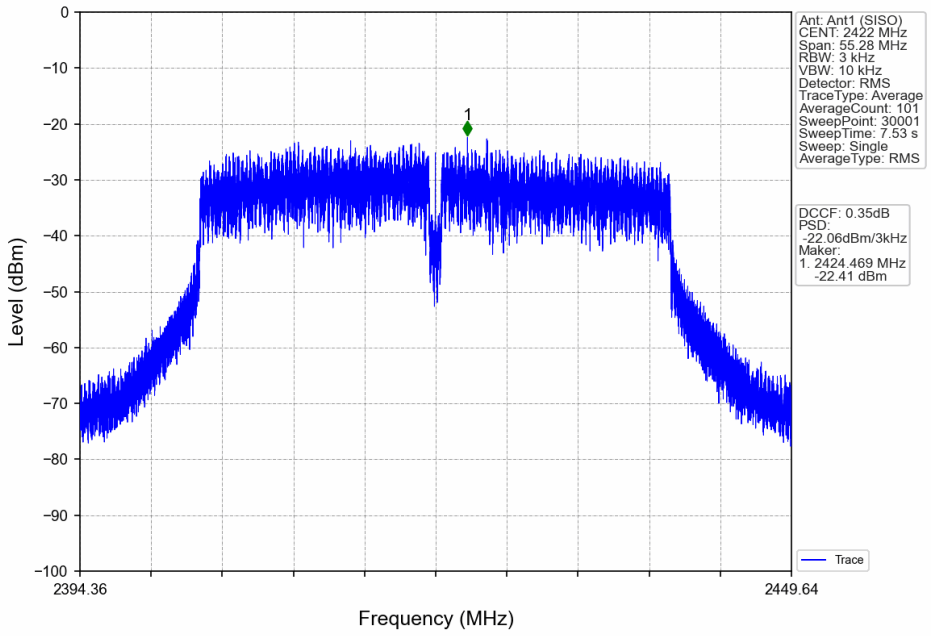
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



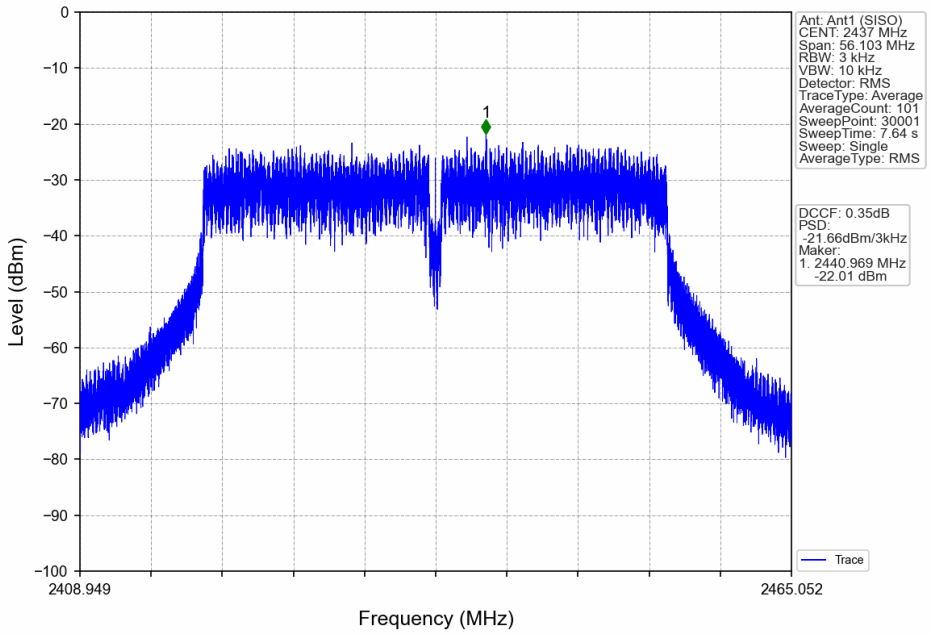
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



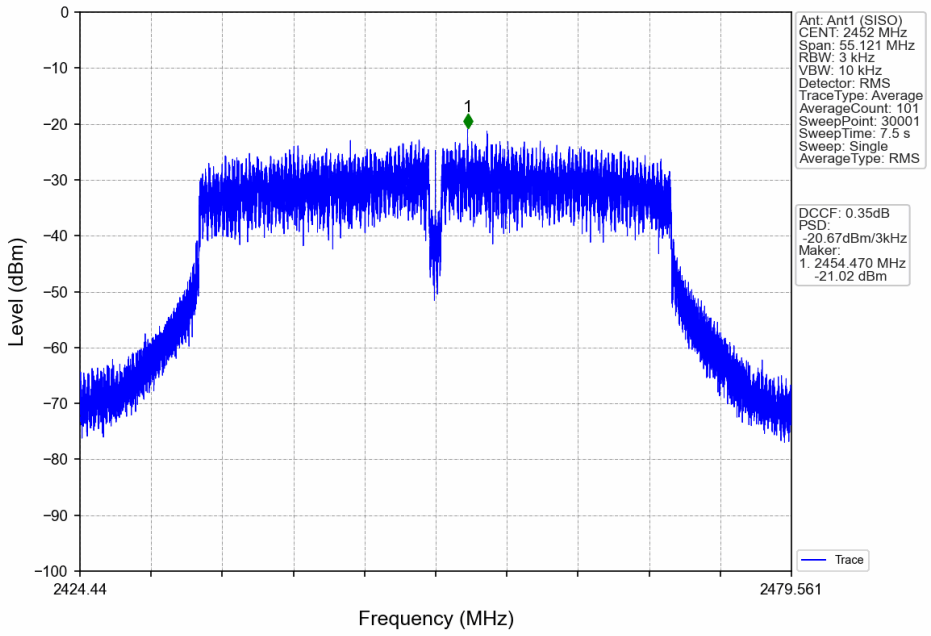
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

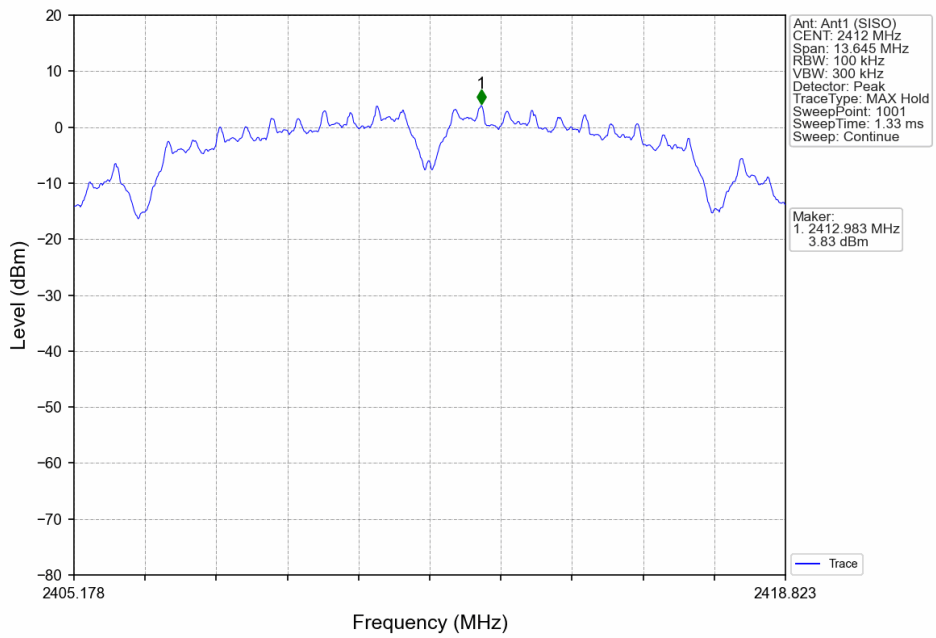
4.1 Ref

4.1.1 Test Result

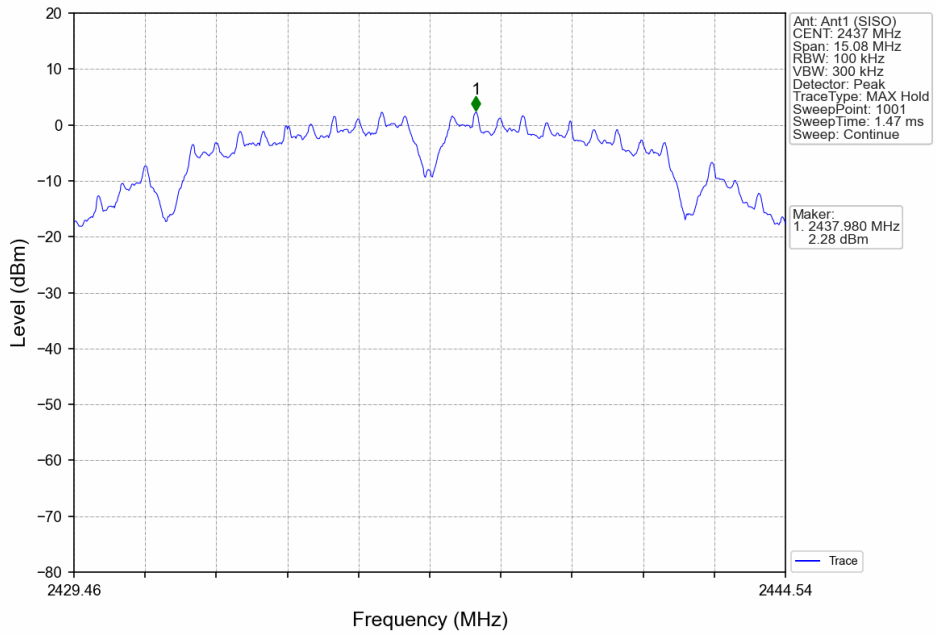
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	**3.83**
		2437	1	2.28
		2462	1	3.60
802.11g	SISO	2412	1	0.77
		2437	1	-0.04
		2462	1	**0.87**
802.11n (HT20)	SISO	2412	1	-0.09
		2437	1	-0.98
		2462	1	**0.03**
802.11n (HT40)	SISO	2422	1	-3.67
		2437	1	-3.67
		2452	1	**-2.67**
Note1: Refer to RSS-247 Issue 2 section 5.5 and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

4.1.2 Test Graph

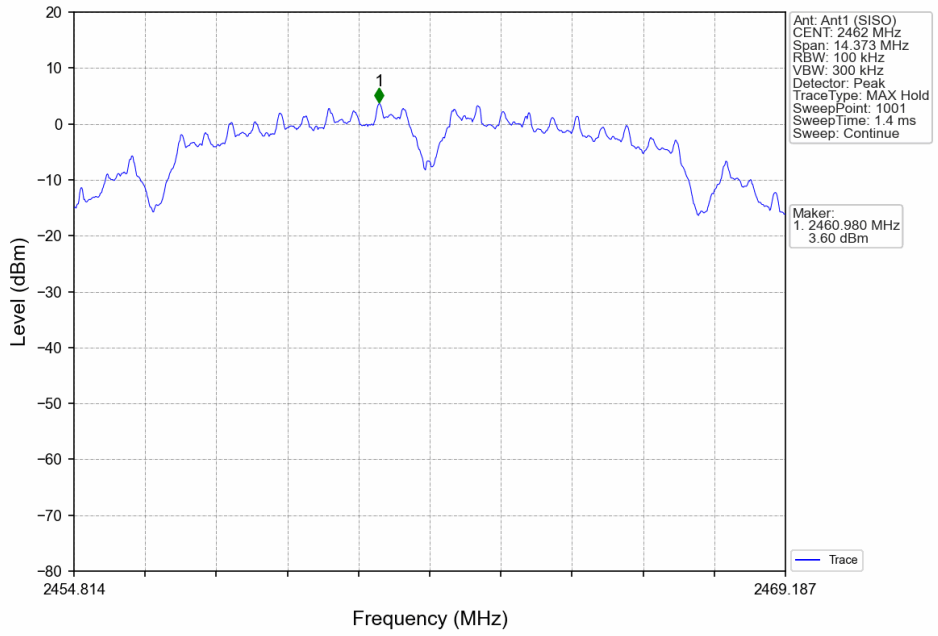
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



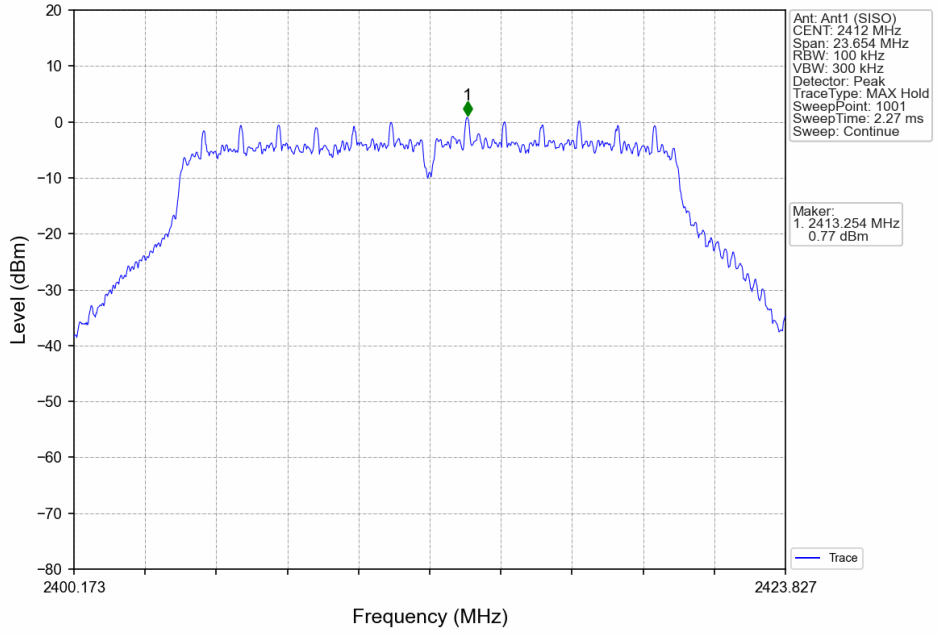
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



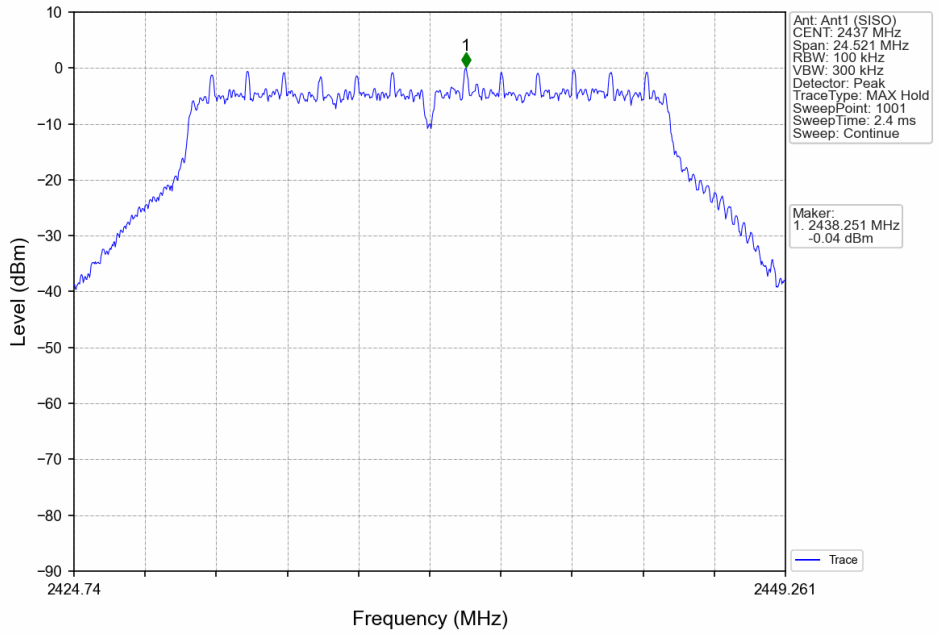
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



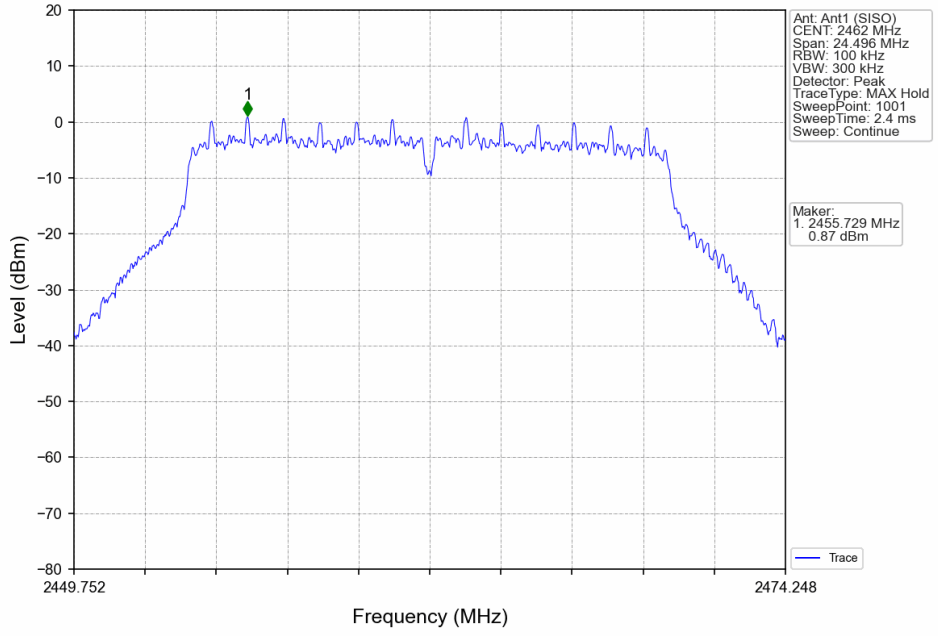
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



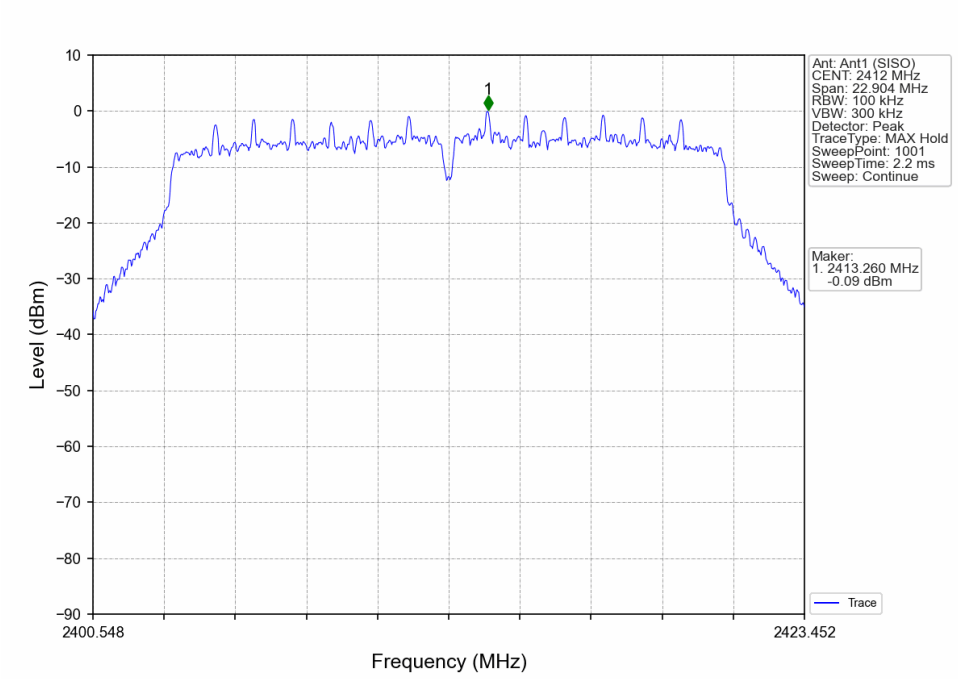
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



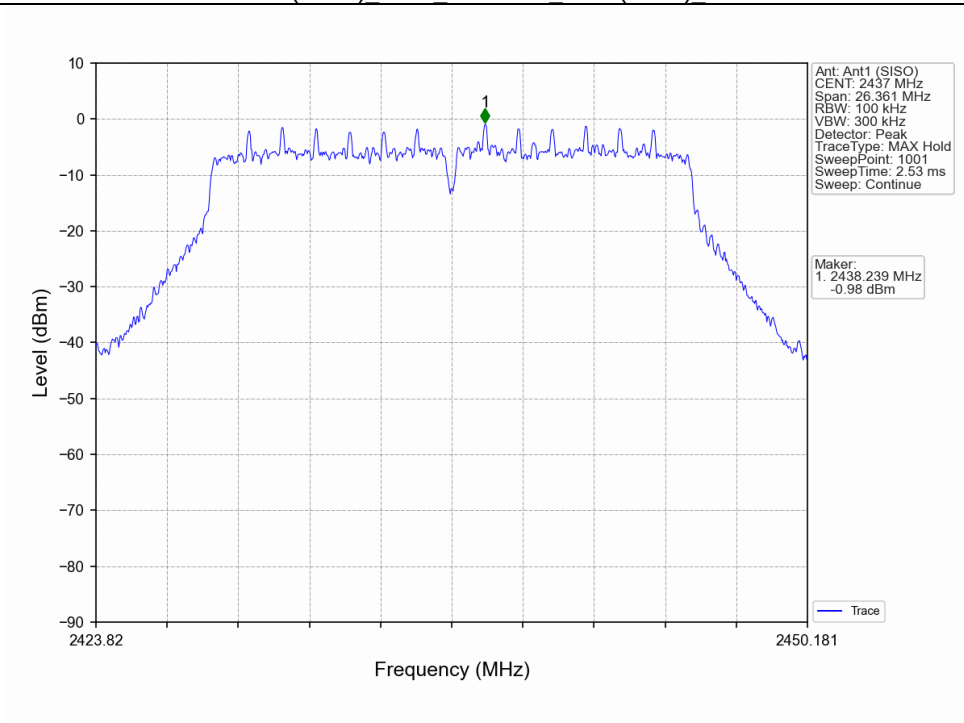
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



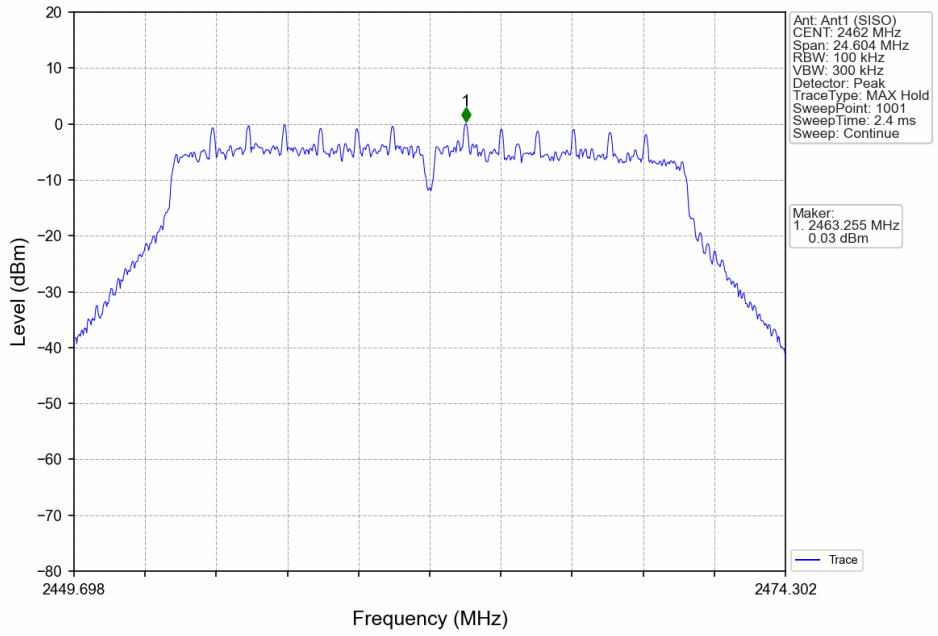
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



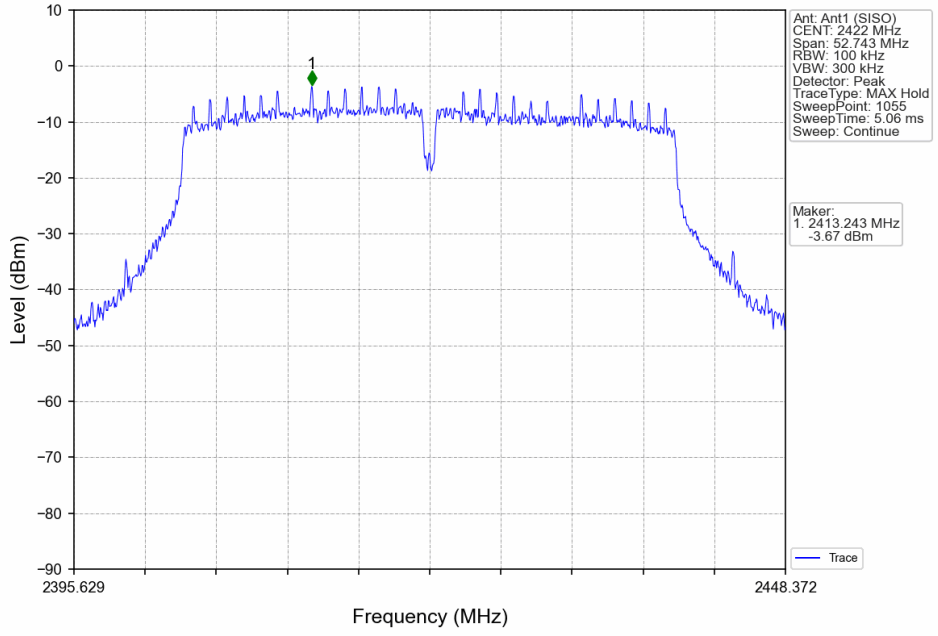
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



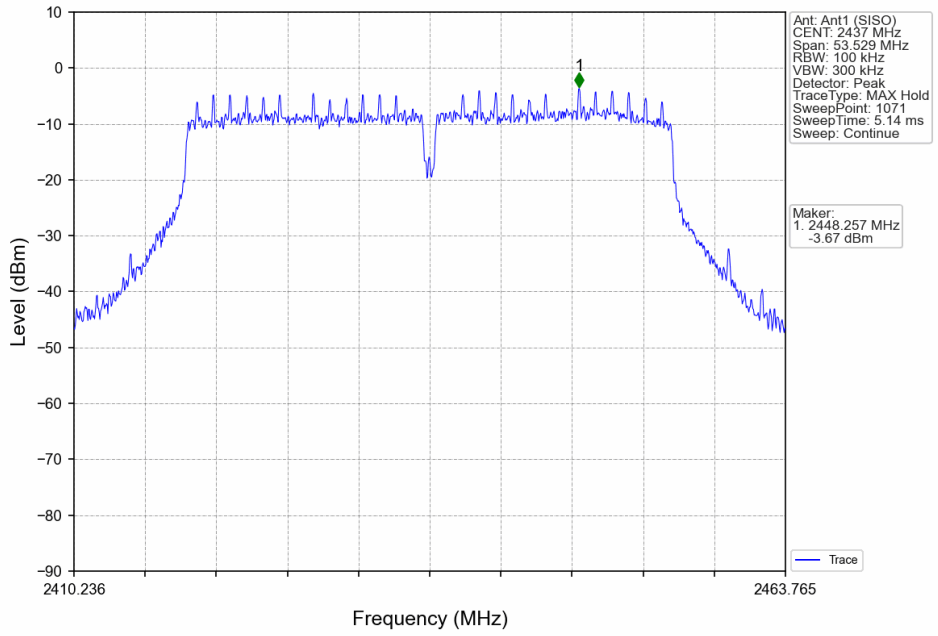
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



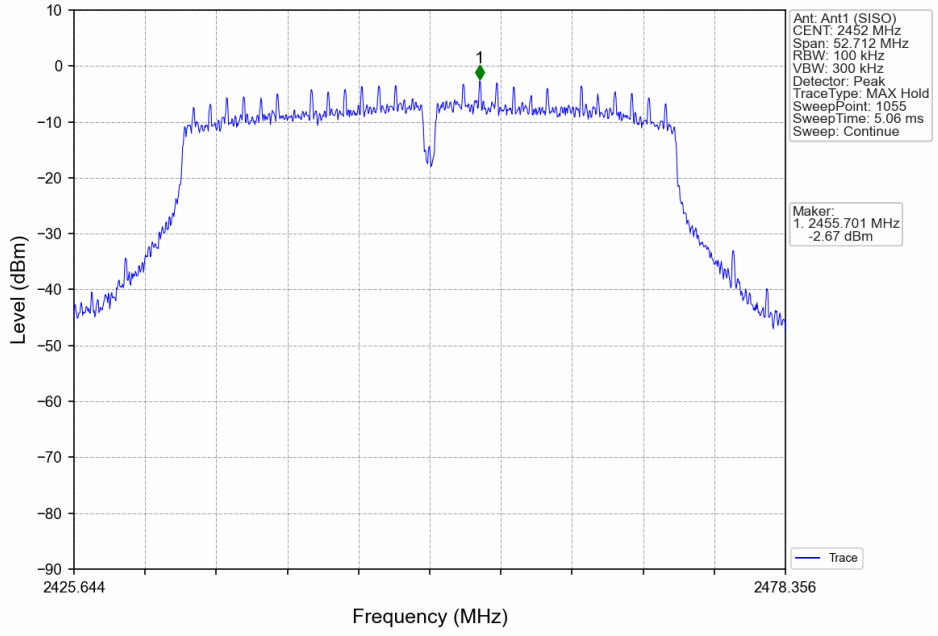
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



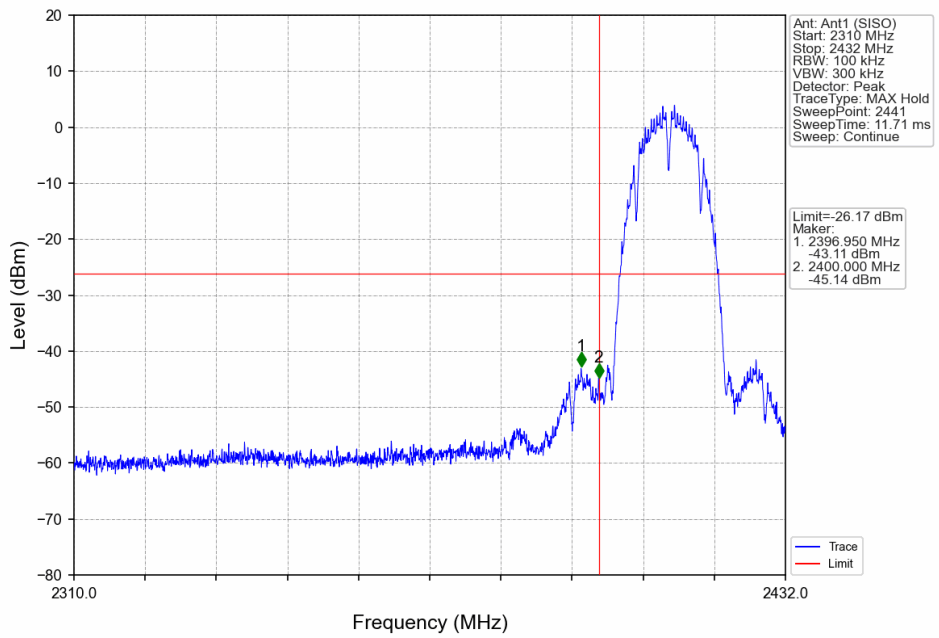
4.2 CSE

4.2.1 Test Result

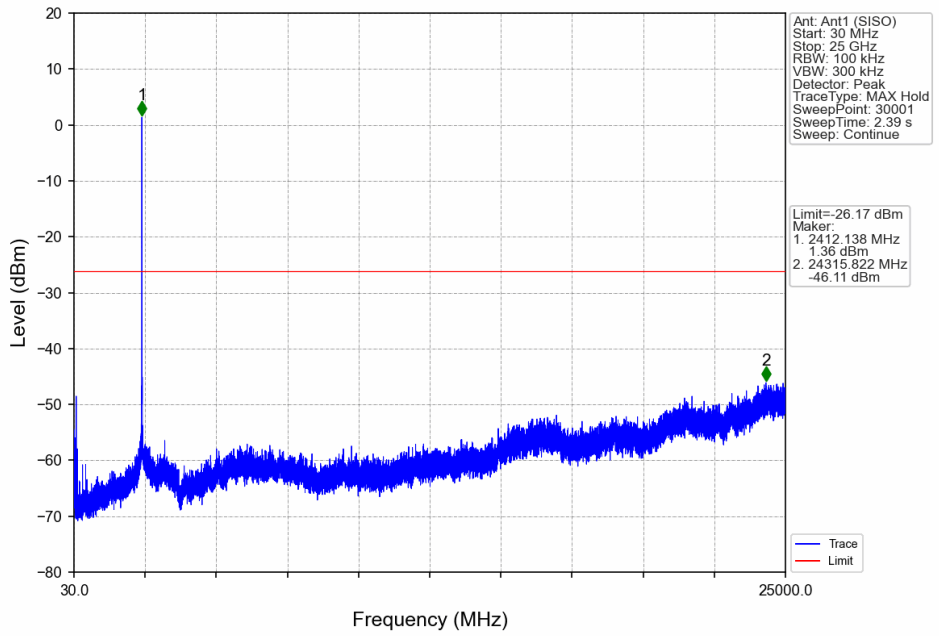
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	3.83	-26.17	Pass
		2437	1	3.83	-26.17	Pass
		2462	1	3.83	-26.17	Pass
802.11g	SISO	2412	1	0.87	-29.13	Pass
		2437	1	0.87	-29.13	Pass
		2462	1	0.87	-29.13	Pass
802.11n (HT20)	SISO	2412	1	0.03	-29.97	Pass
		2437	1	0.03	-29.97	Pass
		2462	1	0.03	-29.97	Pass
802.11n (HT40)	SISO	2422	1	-2.67	-32.67	Pass
		2437	1	-2.67	-32.67	Pass
		2452	1	-2.67	-32.67	Pass
Note1: Refer to RSS-247 Issue 2 section 5.5 and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

4.2.2 Test Graph

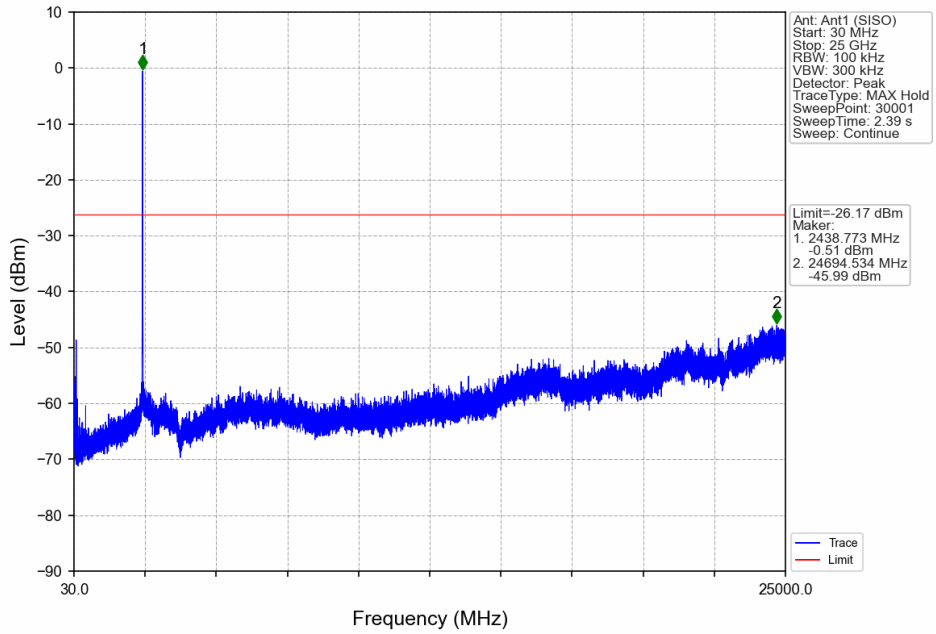
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



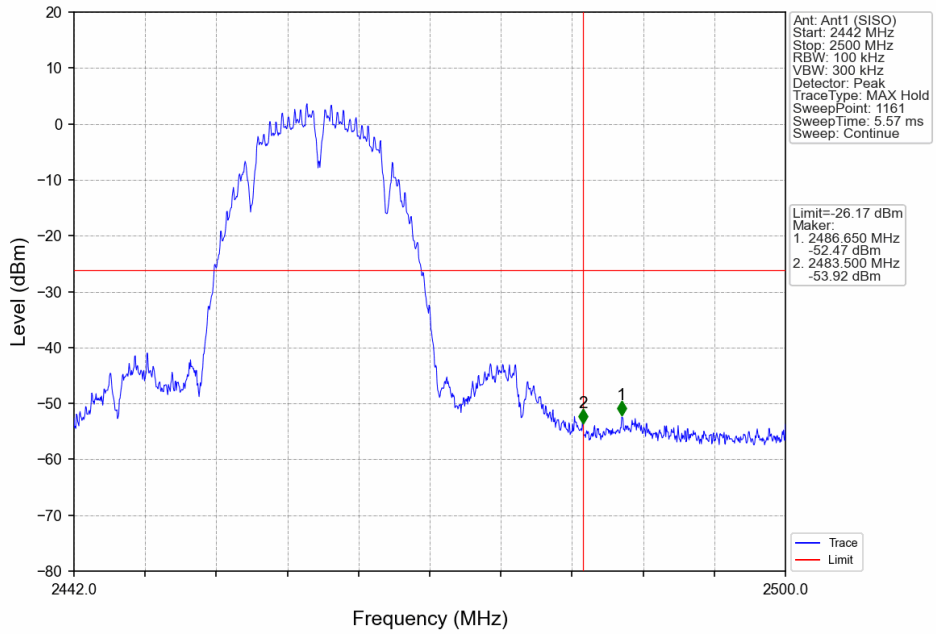
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



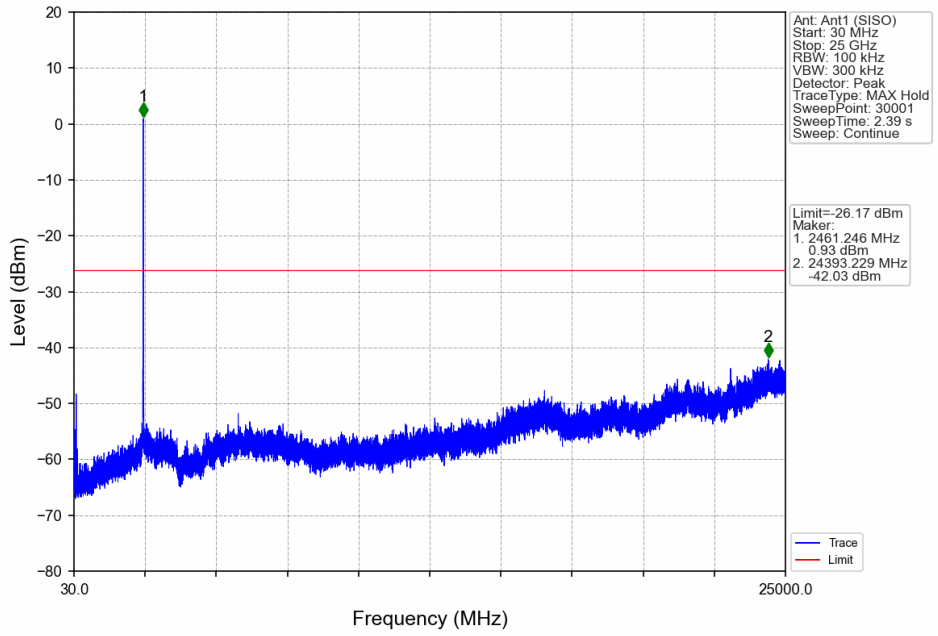
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



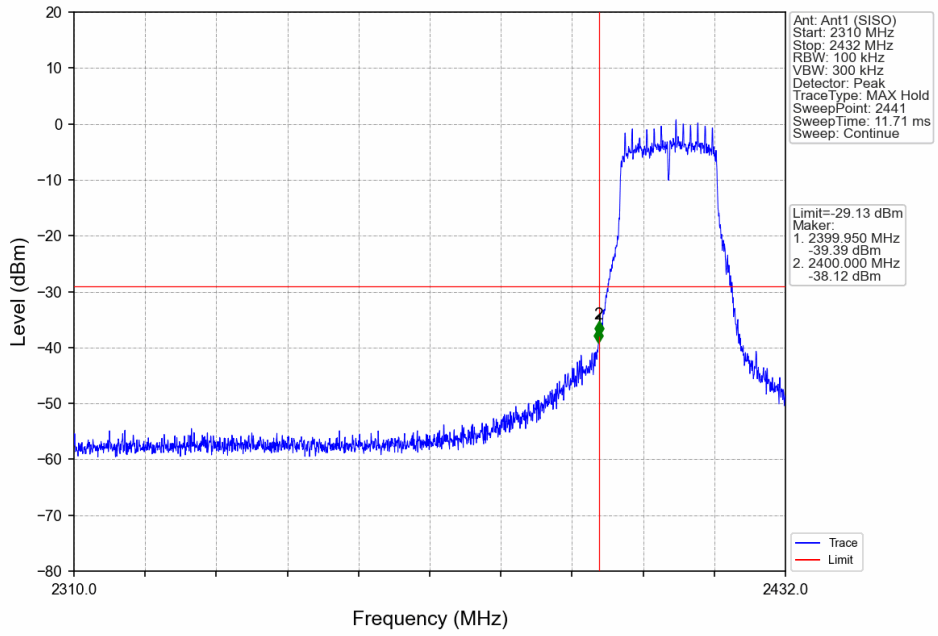
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



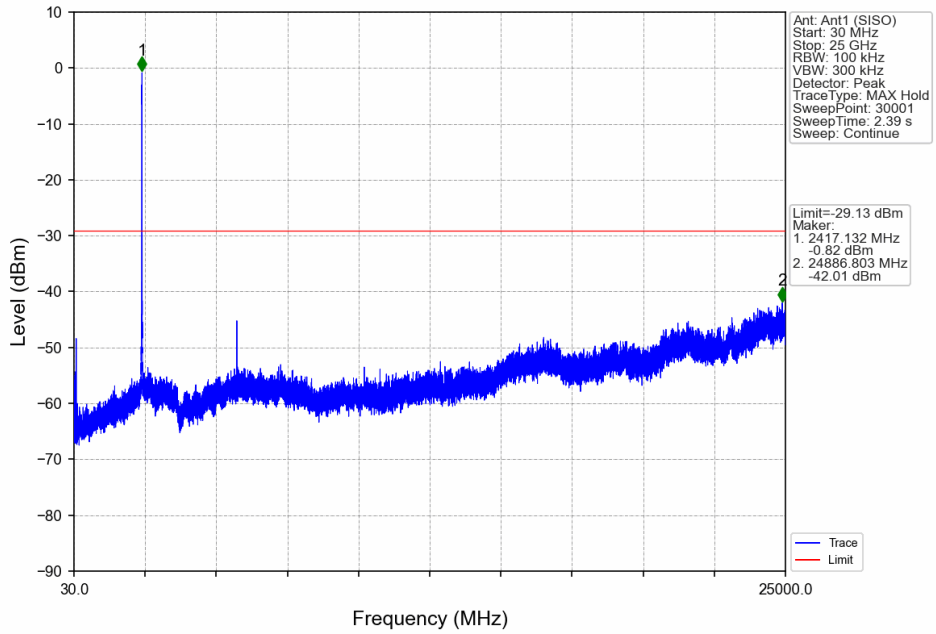
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



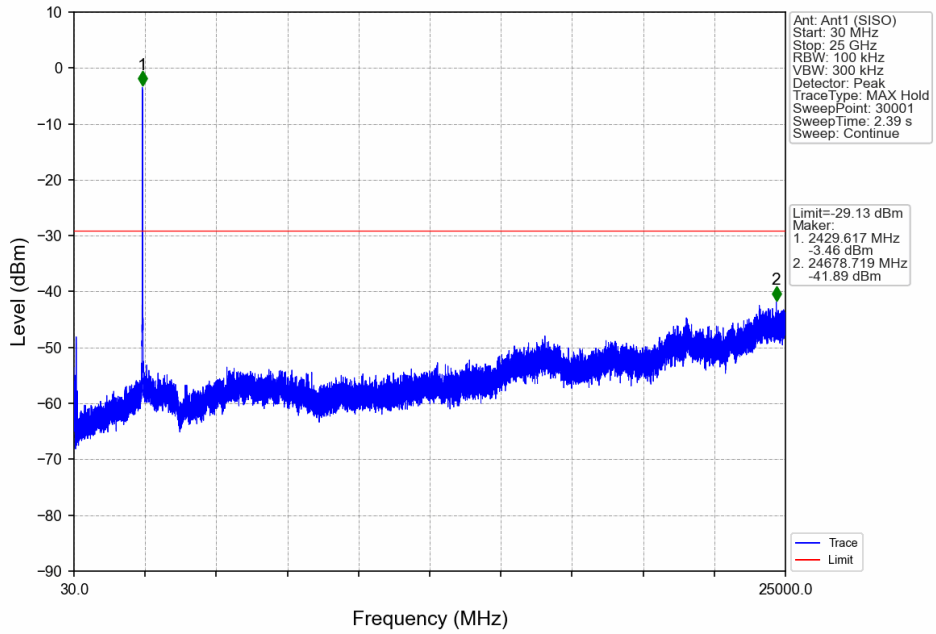
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



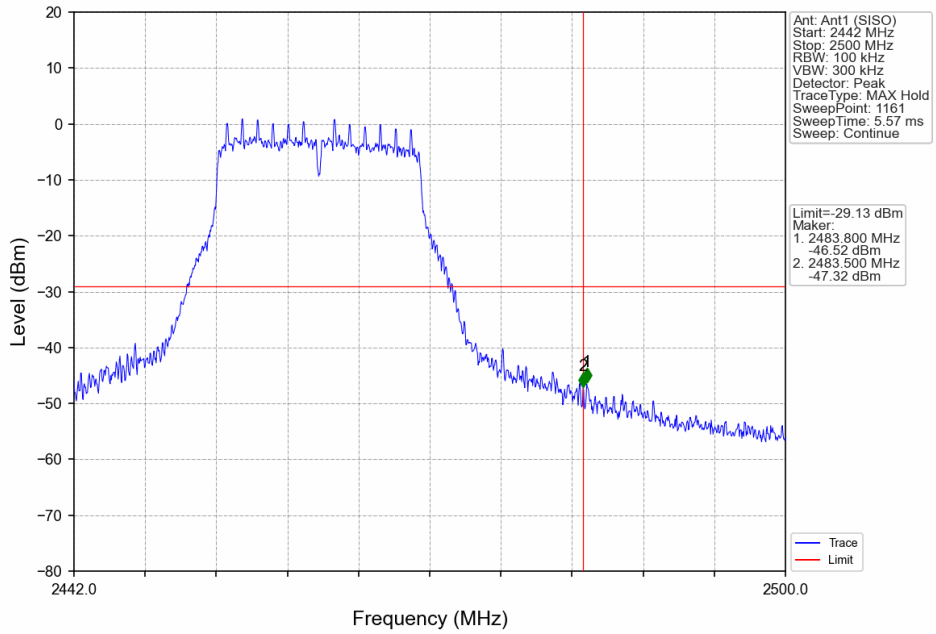
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



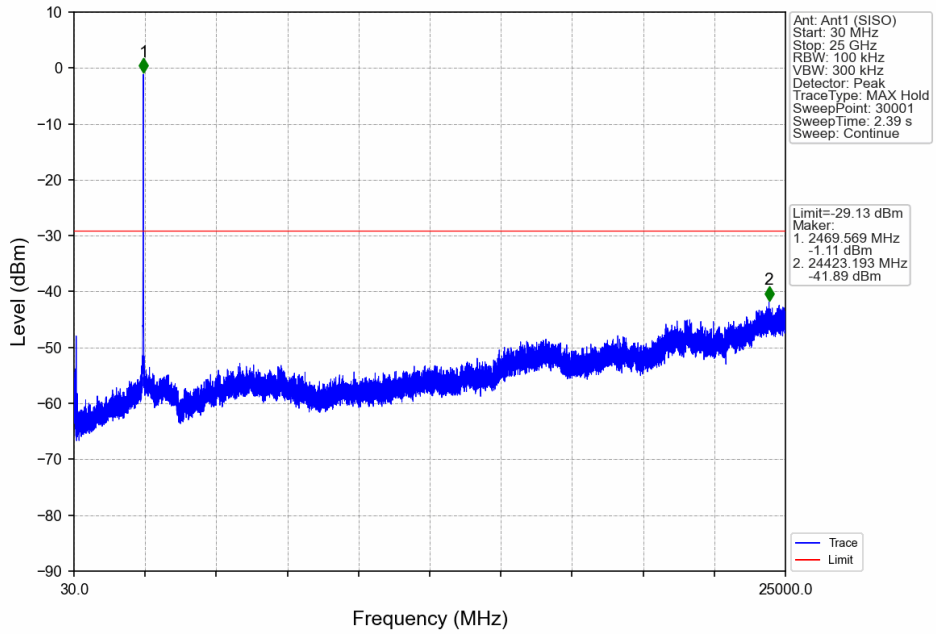
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



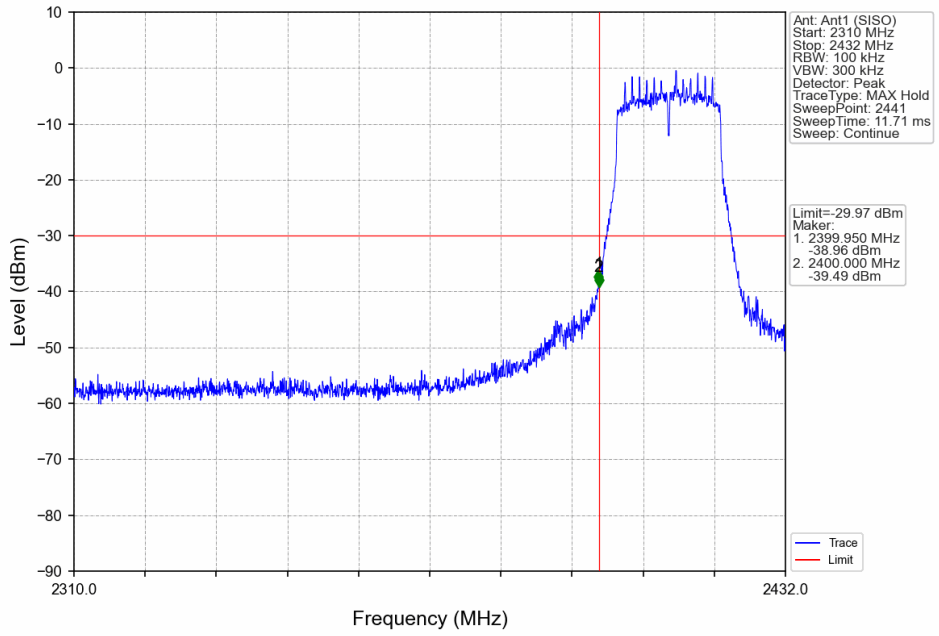
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



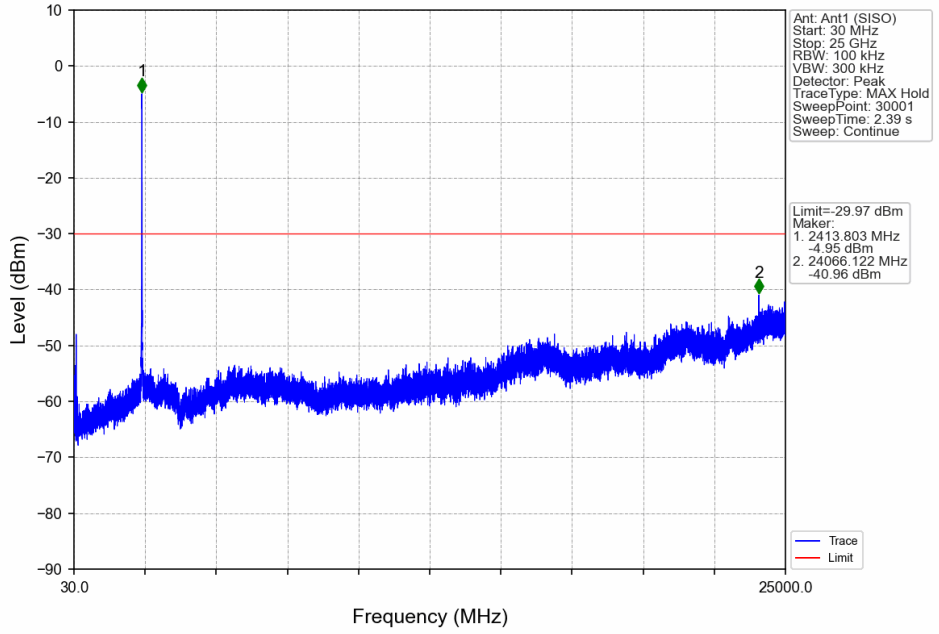
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



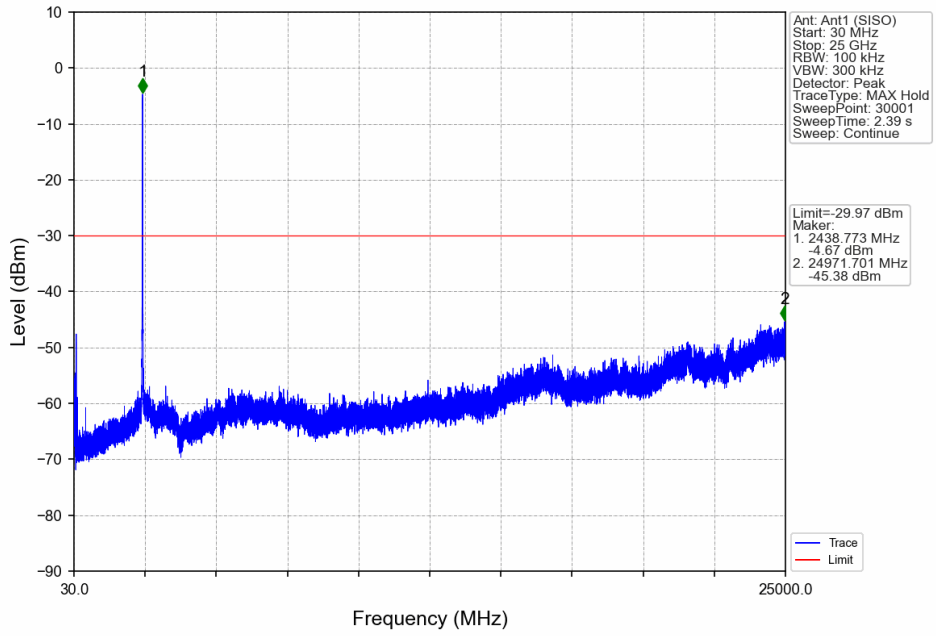
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



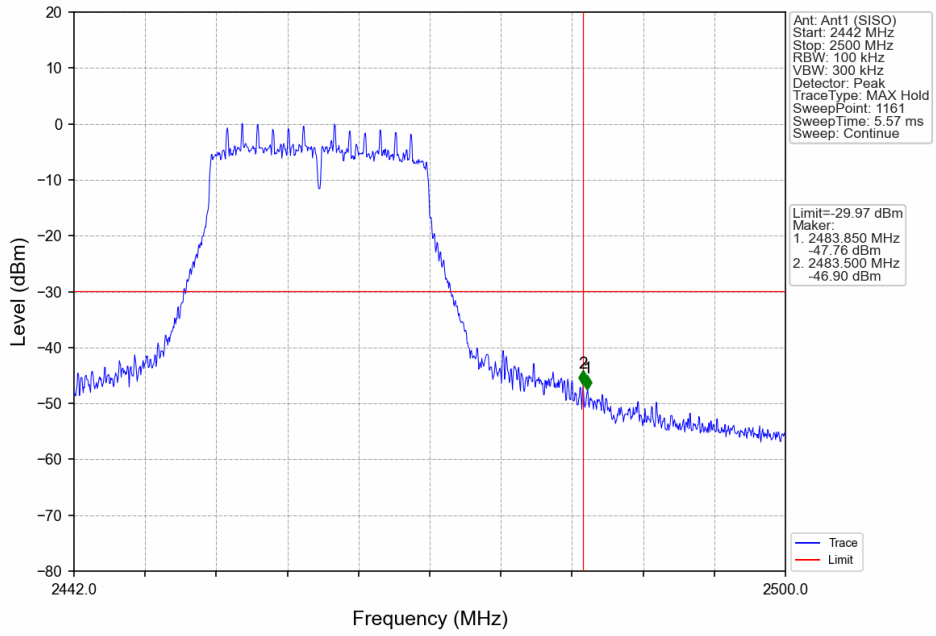
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



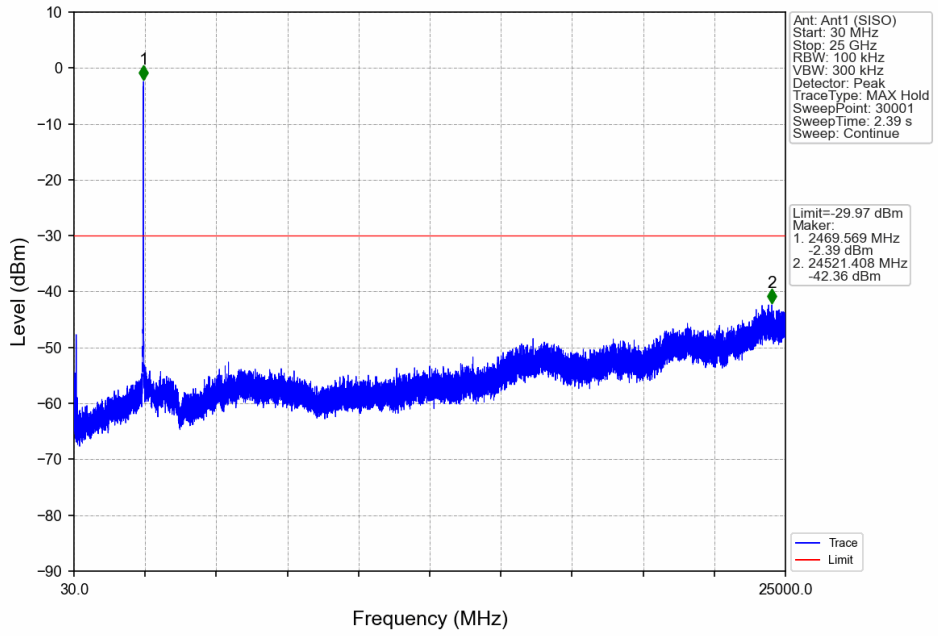
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



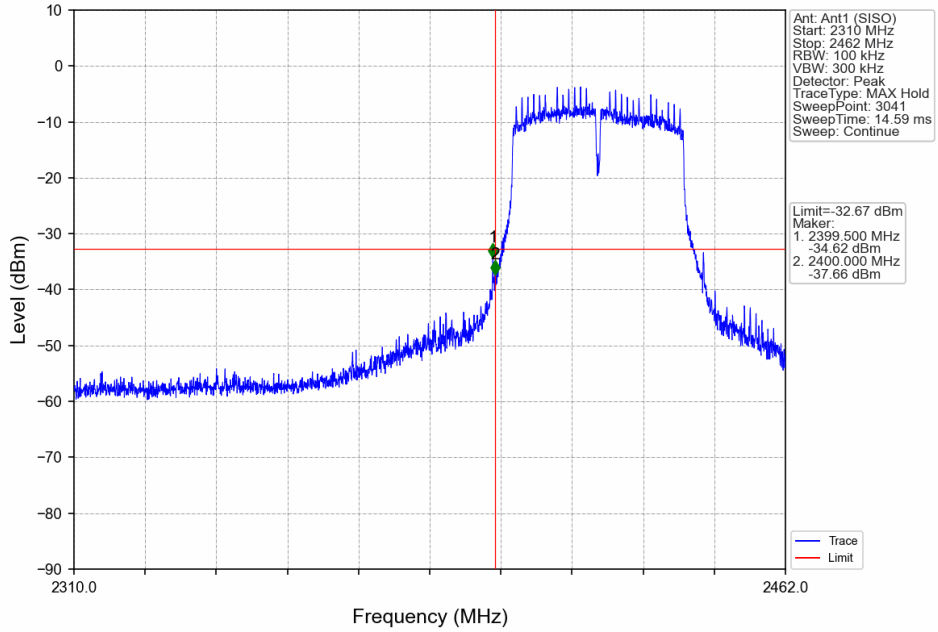
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



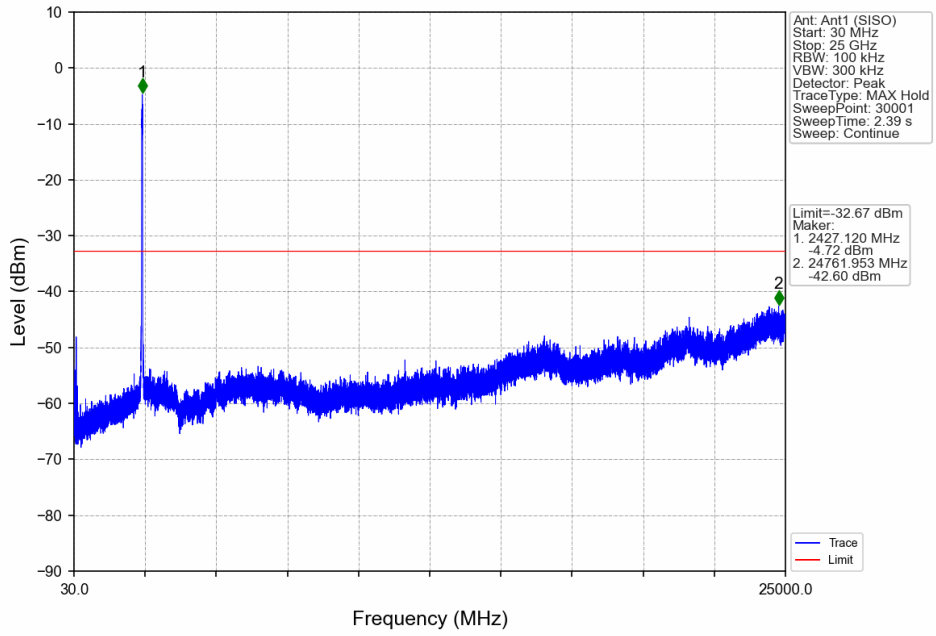
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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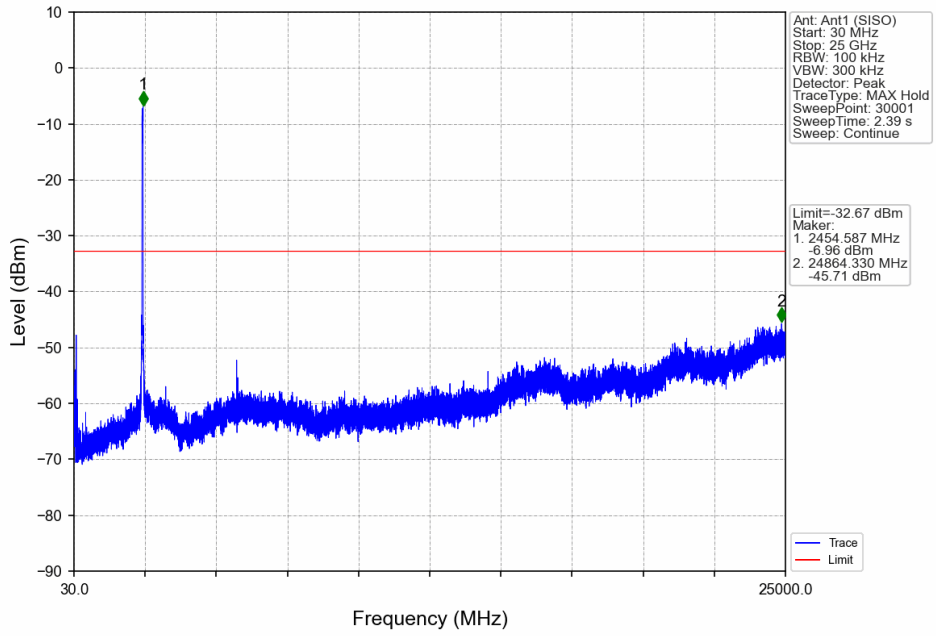
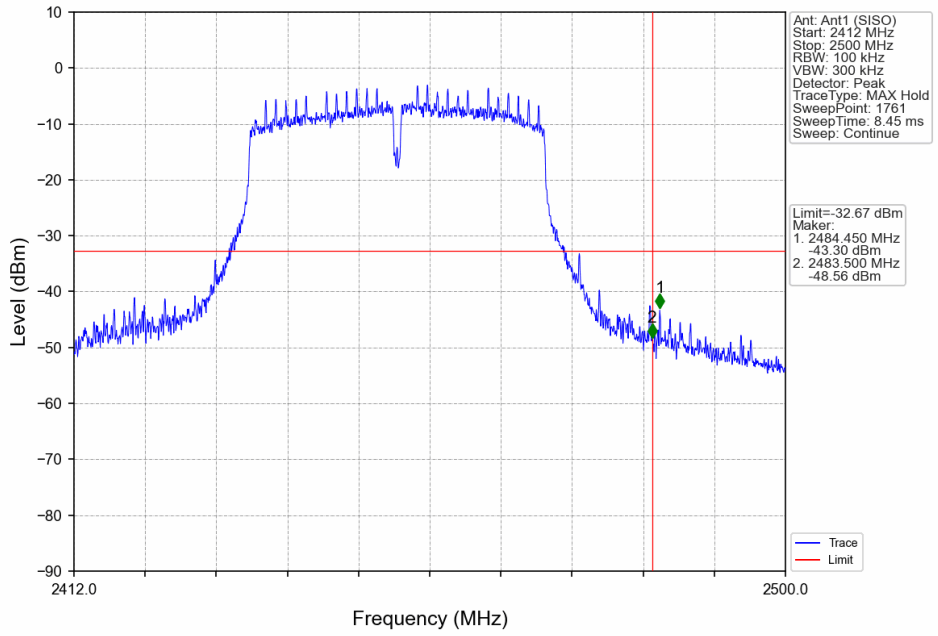
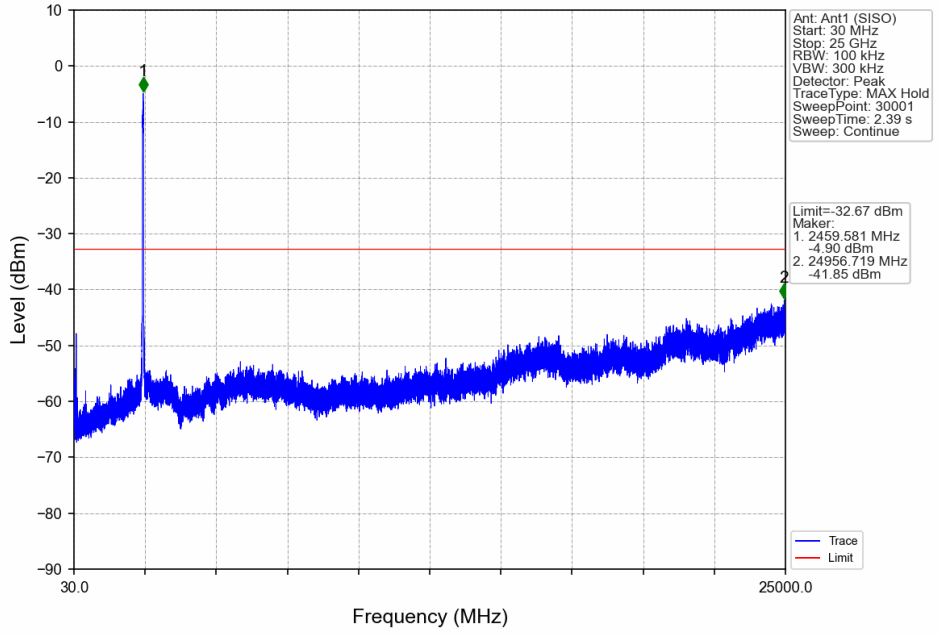


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV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