

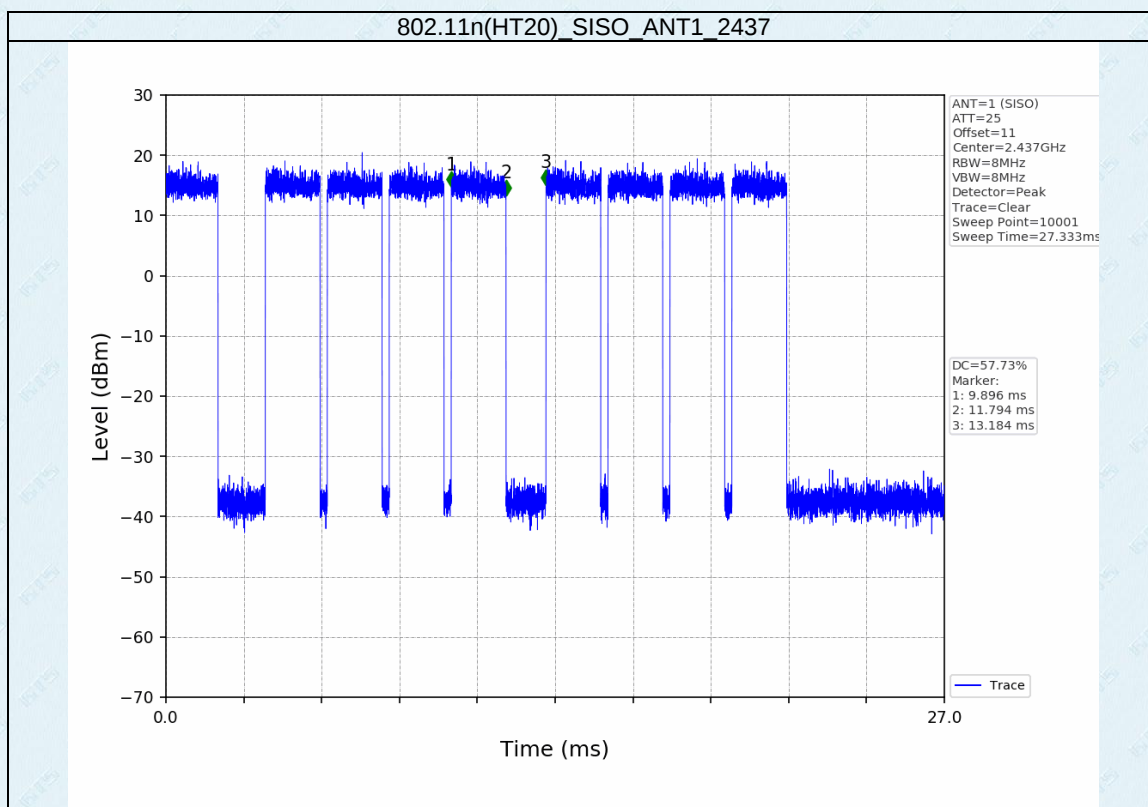
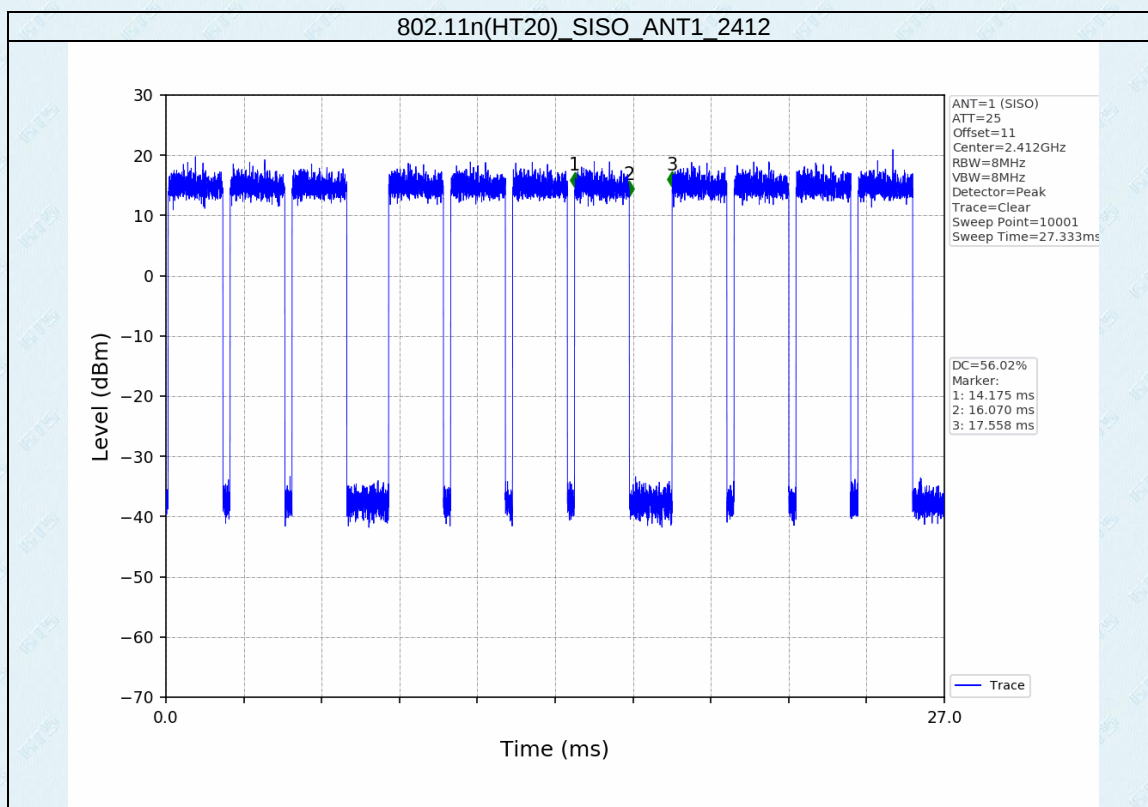
Appendix for 15.247

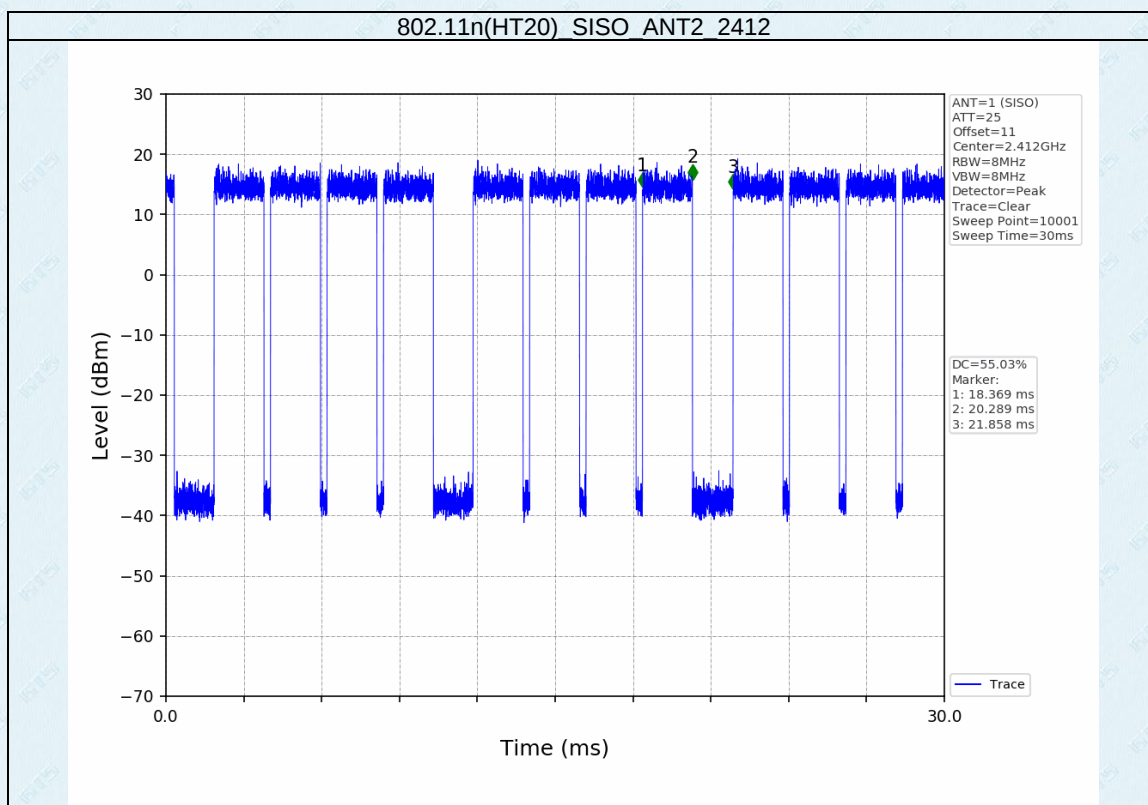
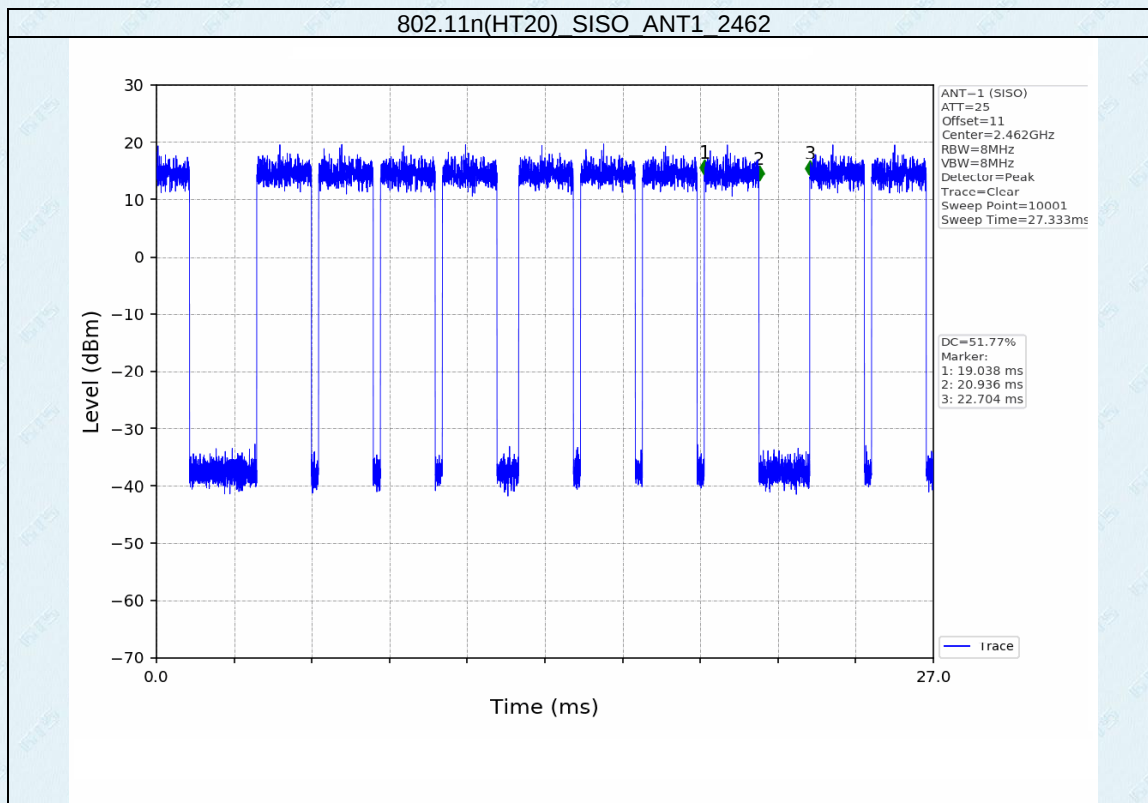
1. Duty Cycle

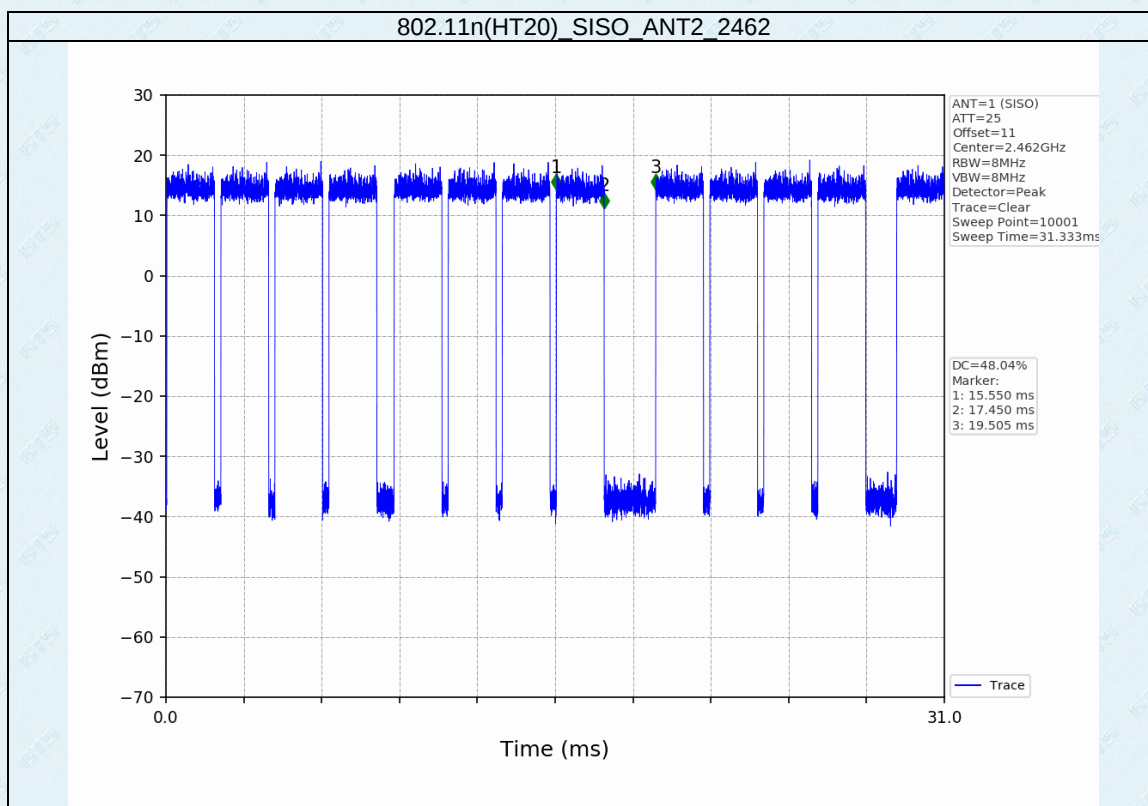
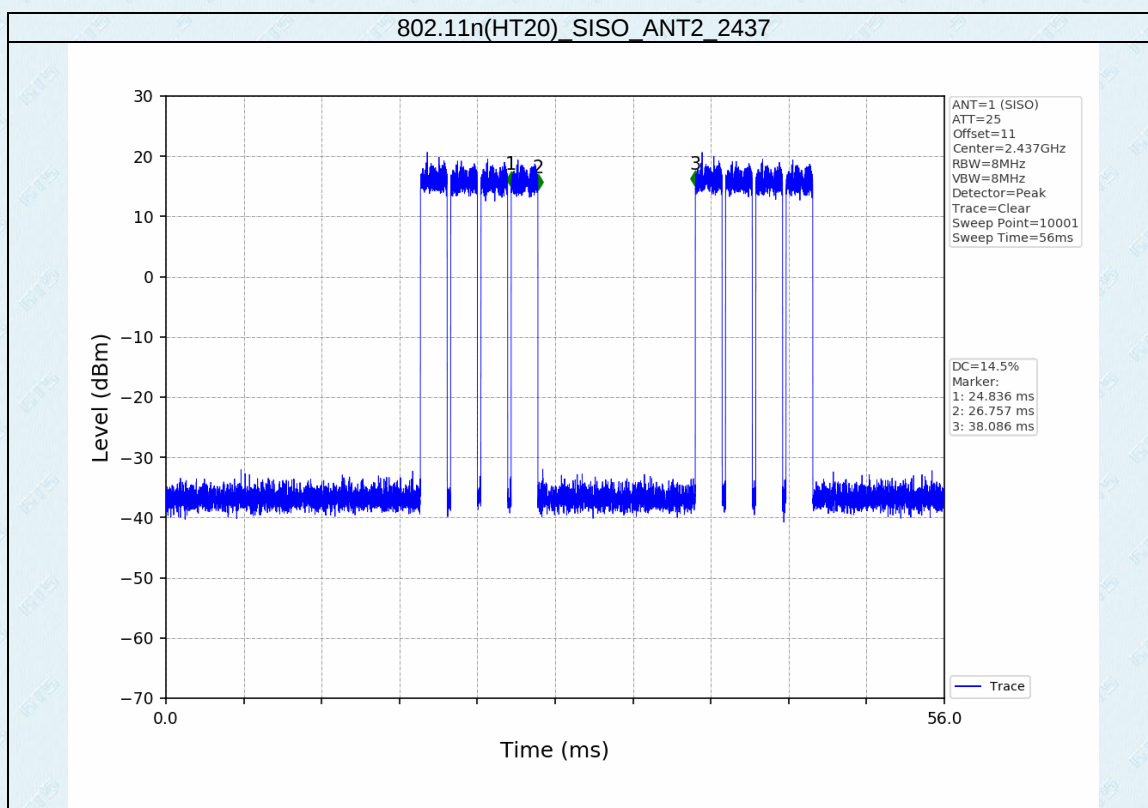
1.1 Test Result

Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11n(HT20)	2412	SISO	1	1.895	3.383	56.02	2.52
	2437	SISO	1	1.898	3.288	57.73	2.39
	2462	SISO	1	1.898	3.666	51.77	2.86
	2412	SISO	2	1.920	3.489	55.03	2.59
	2437	SISO	2	1.921	13.250	14.50	8.39
	2462	SISO	2	1.900	3.955	48.04	3.18

1.2 Test Graph







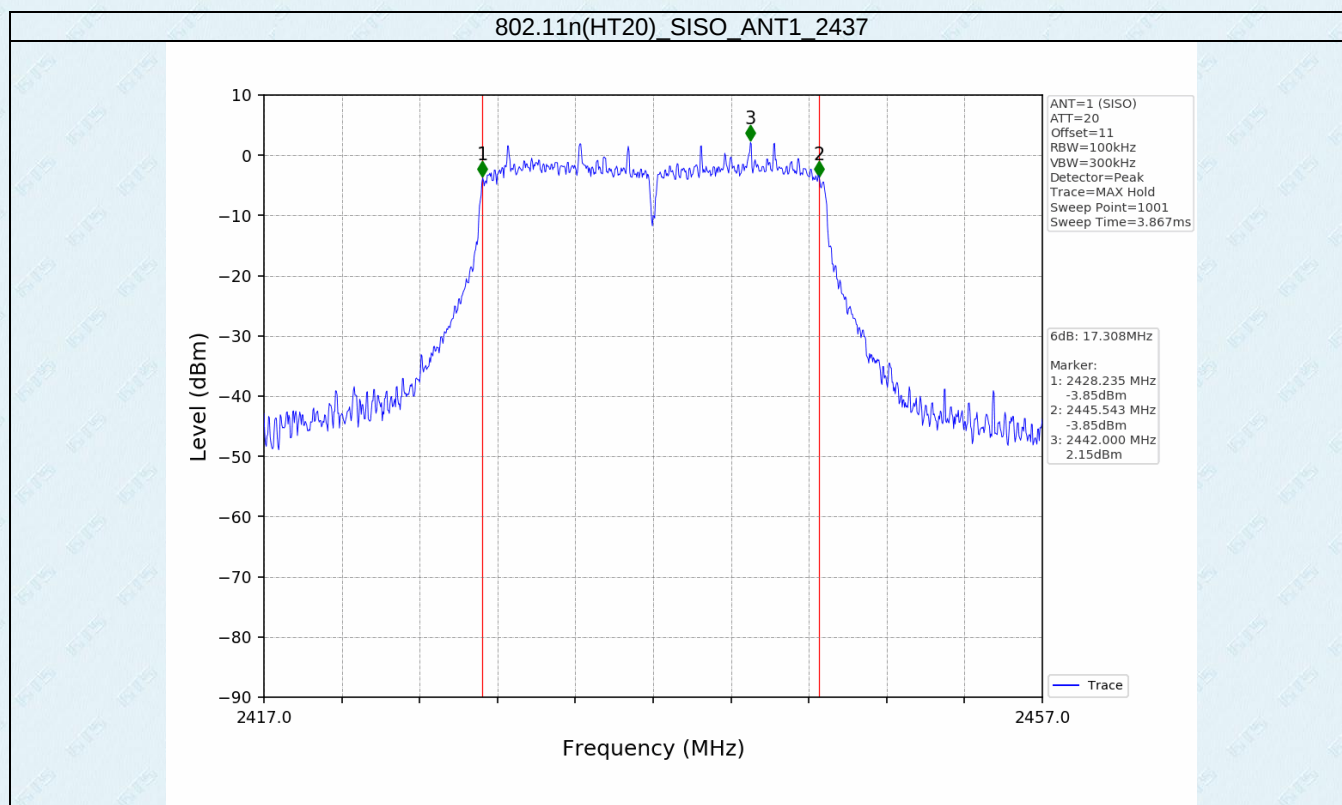
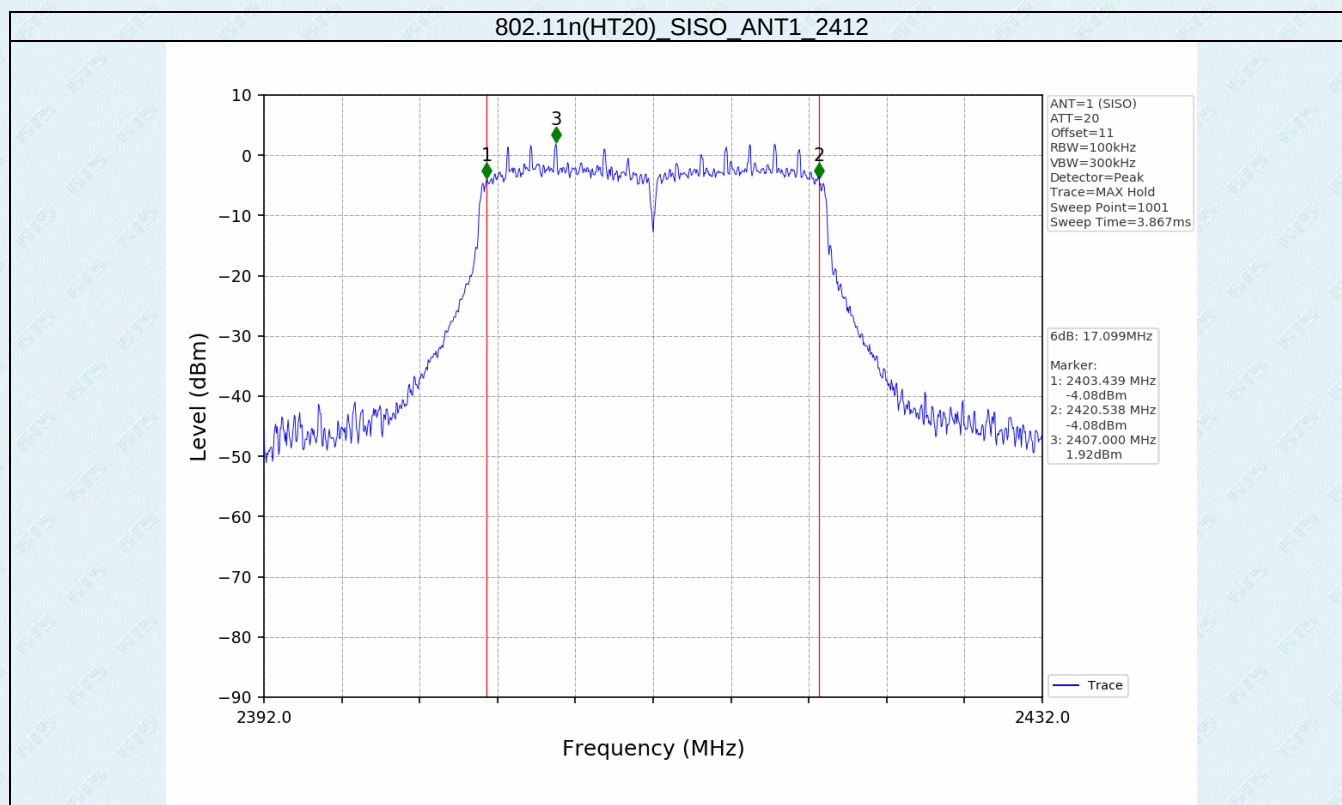
2. Bandwidth

2.1 Test Result

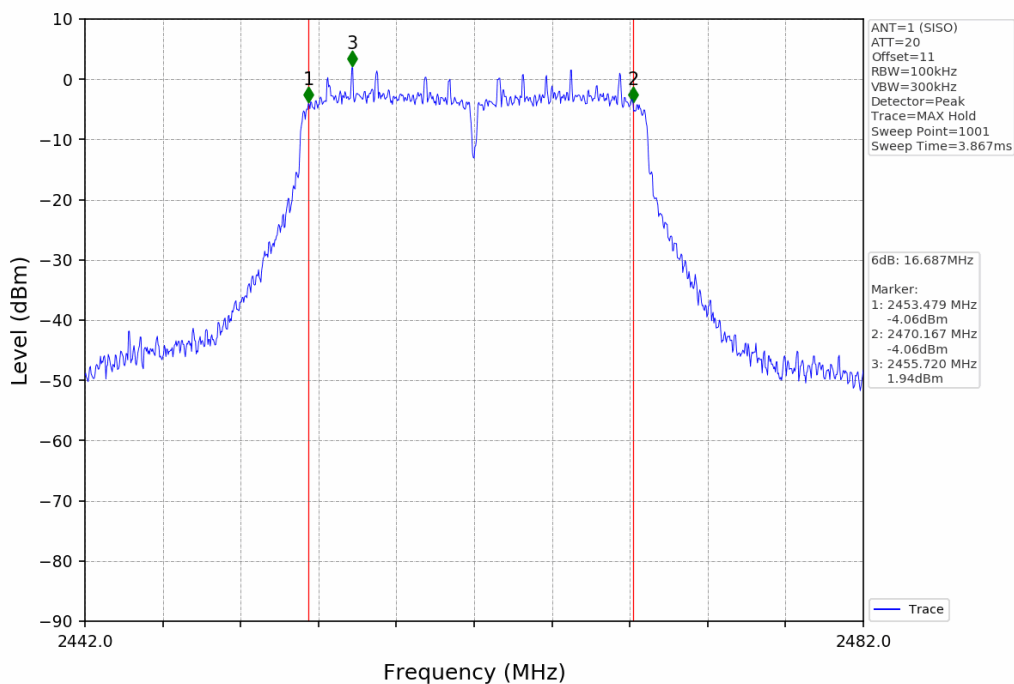
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11n(HT20)	2412	SISO	1	17.099	≥0.5	PASS
	2437	SISO	1	17.308	≥0.5	PASS
	2462	SISO	1	16.687	≥0.5	PASS
	2412	SISO	2	17.127	≥0.5	PASS
	2437	SISO	2	17.339	≥0.5	PASS
	2462	SISO	2	17.082	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11n(HT20)	2412	SISO	1	17.724	Only for Report Use
	2437	SISO	1	17.723	Only for Report Use
	2462	SISO	1	17.713	Only for Report Use
	2412	SISO	2	17.784	Only for Report Use
	2437	SISO	2	17.681	Only for Report Use
	2462	SISO	2	17.868	Only for Report Use

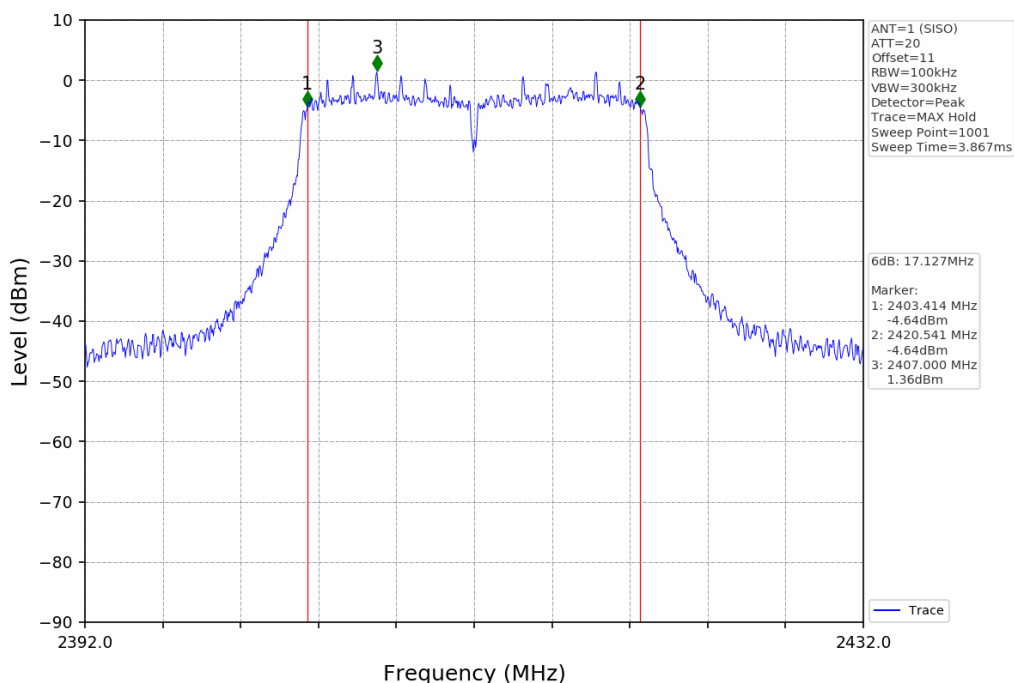
2.2 Test Graph - 6dB Bandwidth



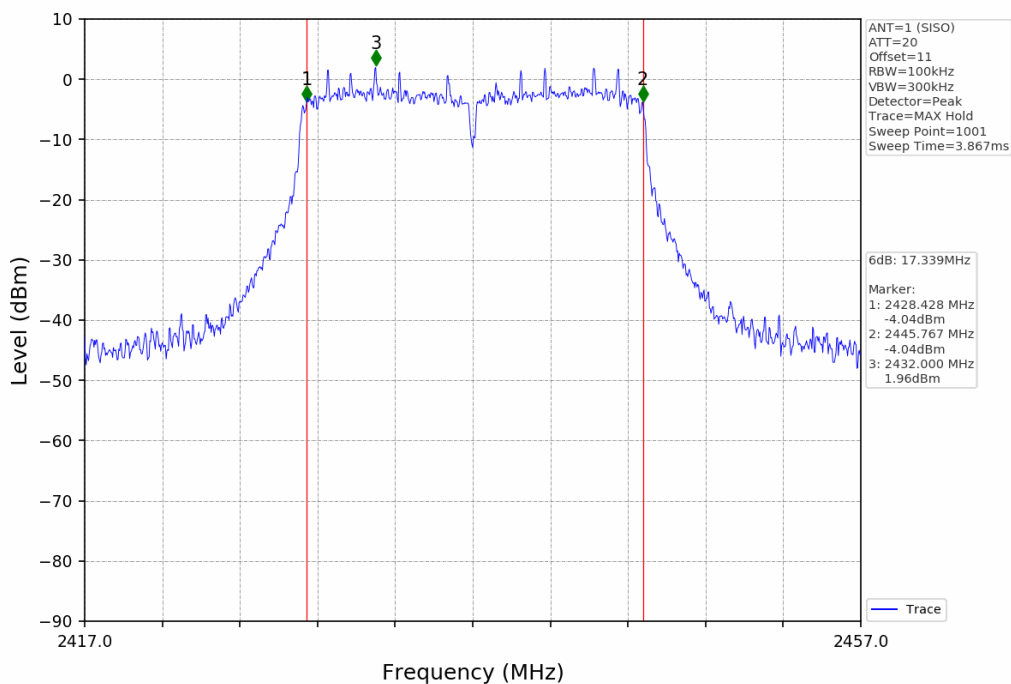
802.11n(HT20) SISO ANT1 2462



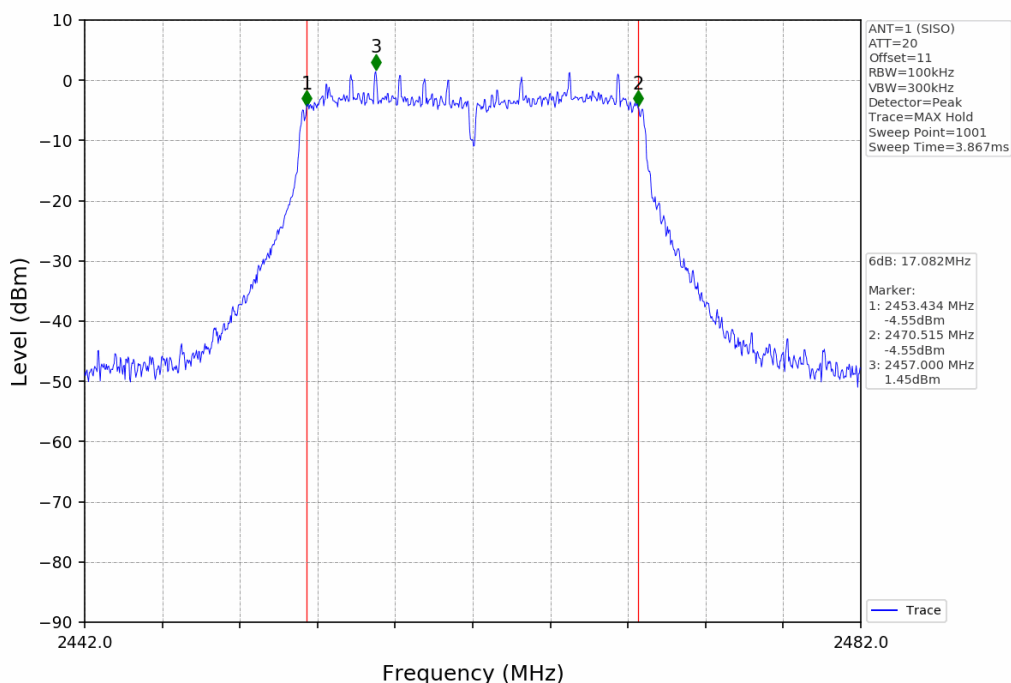
802.11n(HT20) SISO ANT2 2412



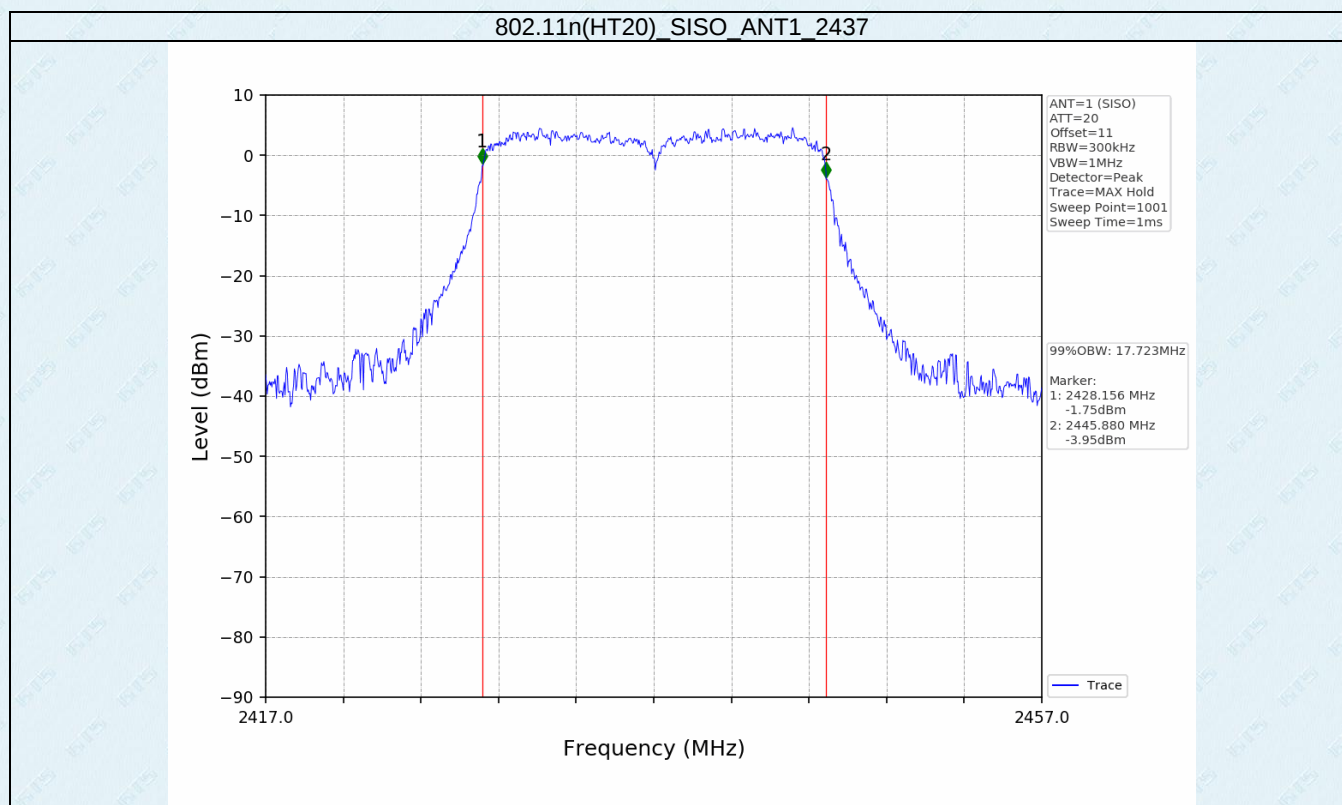
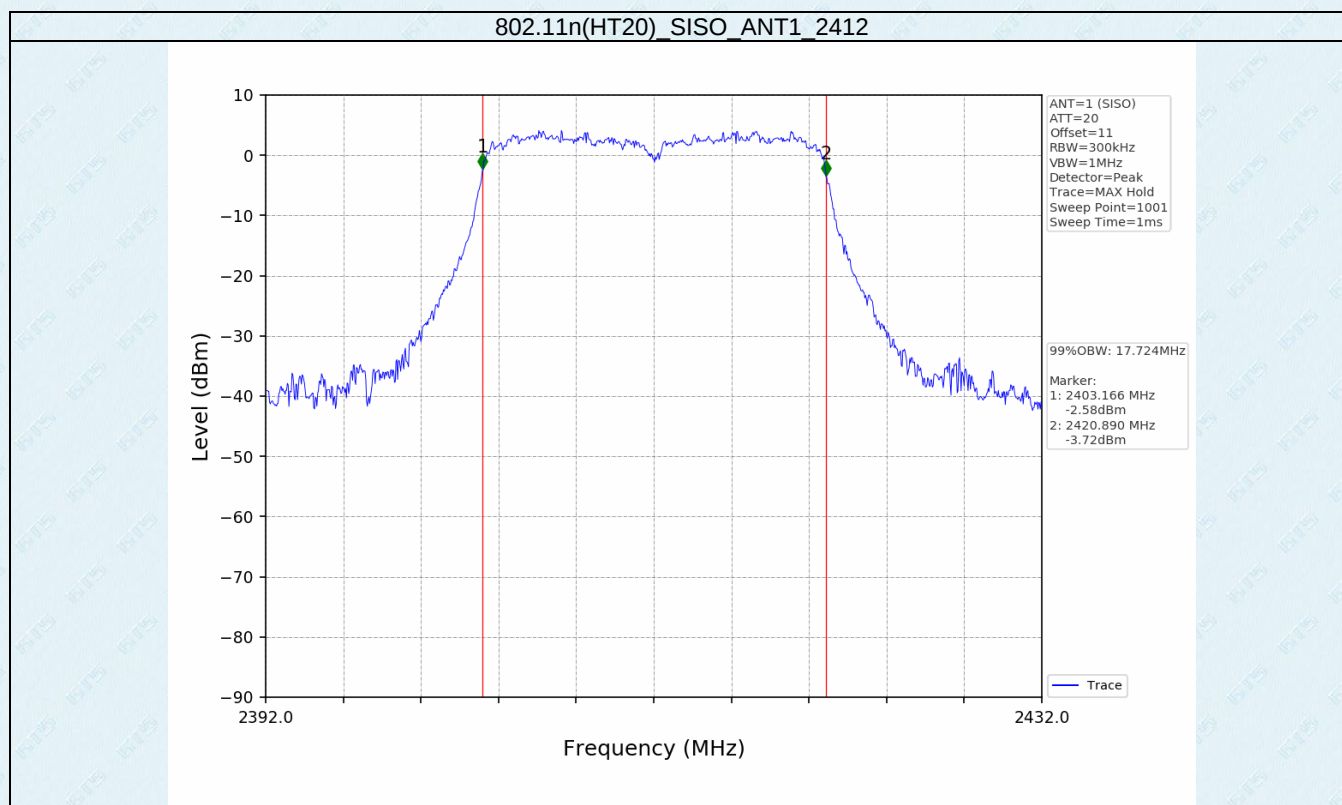
802.11n(HT20) SISO ANT2 2437



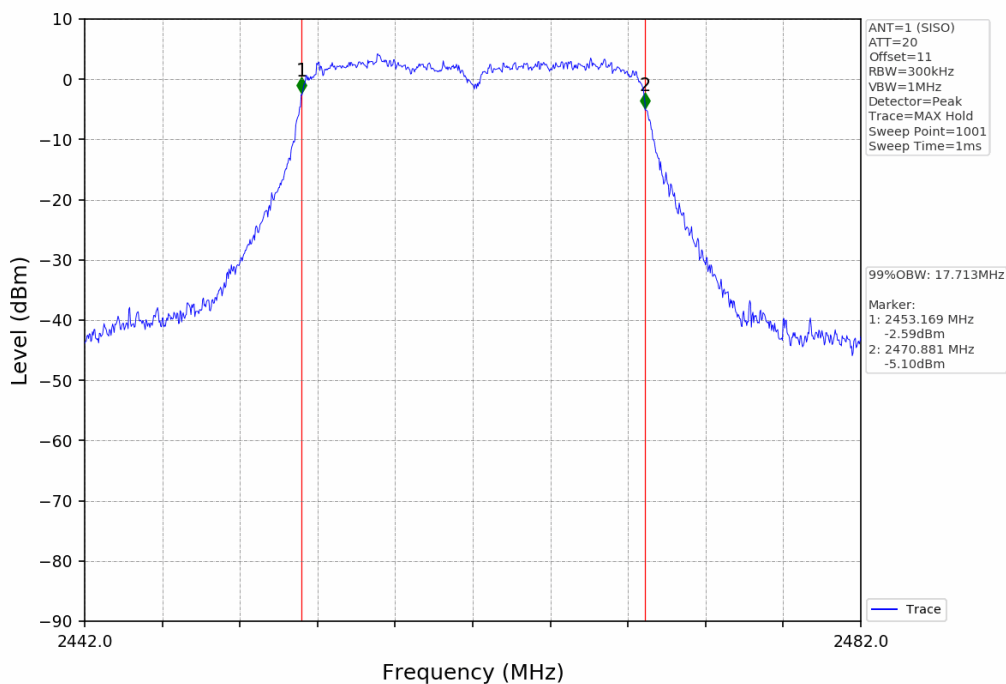
802.11n(HT20) SISO ANT2 2462



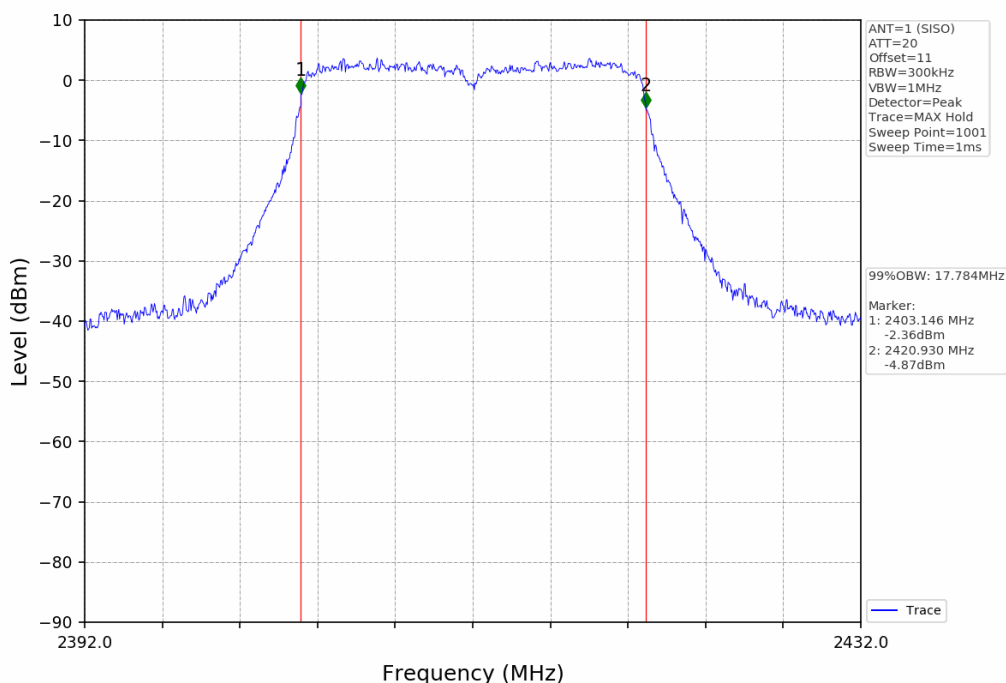
2.3 Test Graph - 99% Occupied Bandwidth



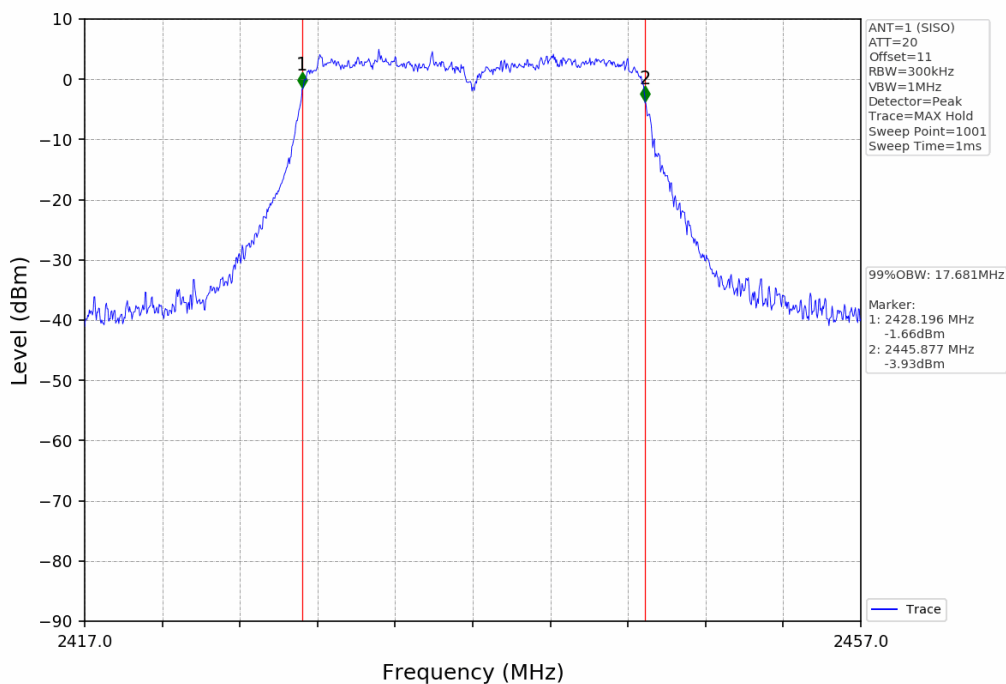
802.11n(HT20) SISO ANT1 2462



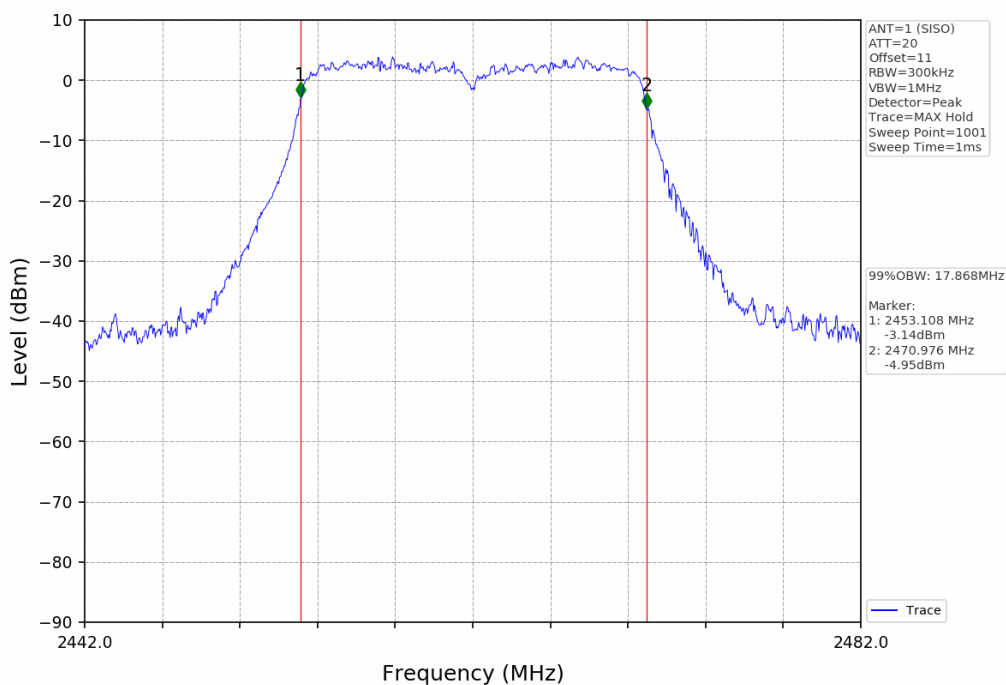
802.11n(HT20) SISO ANT2 2412



802.11n(HT20) SISO ANT2 2437



802.11n(HT20) SISO ANT2 2462



3. Maximum Conducted Output Power

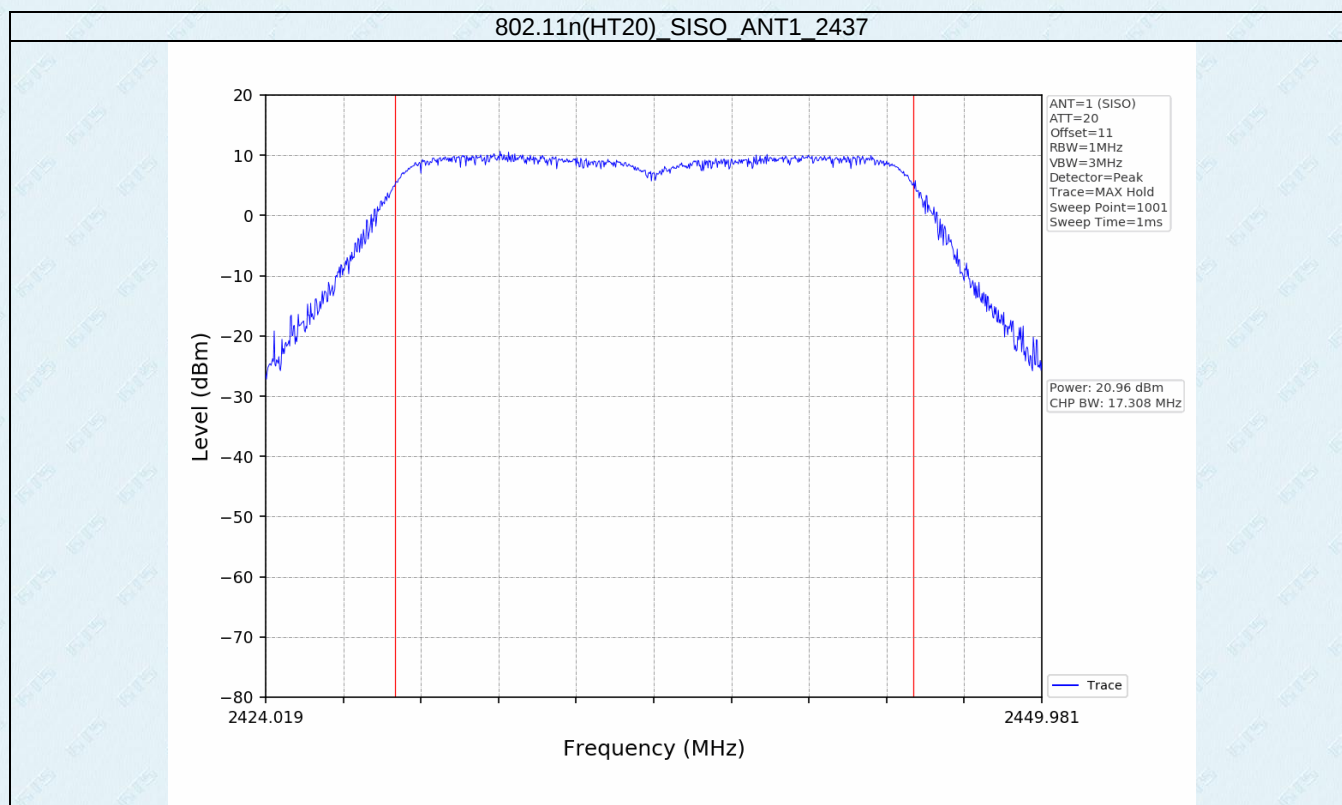
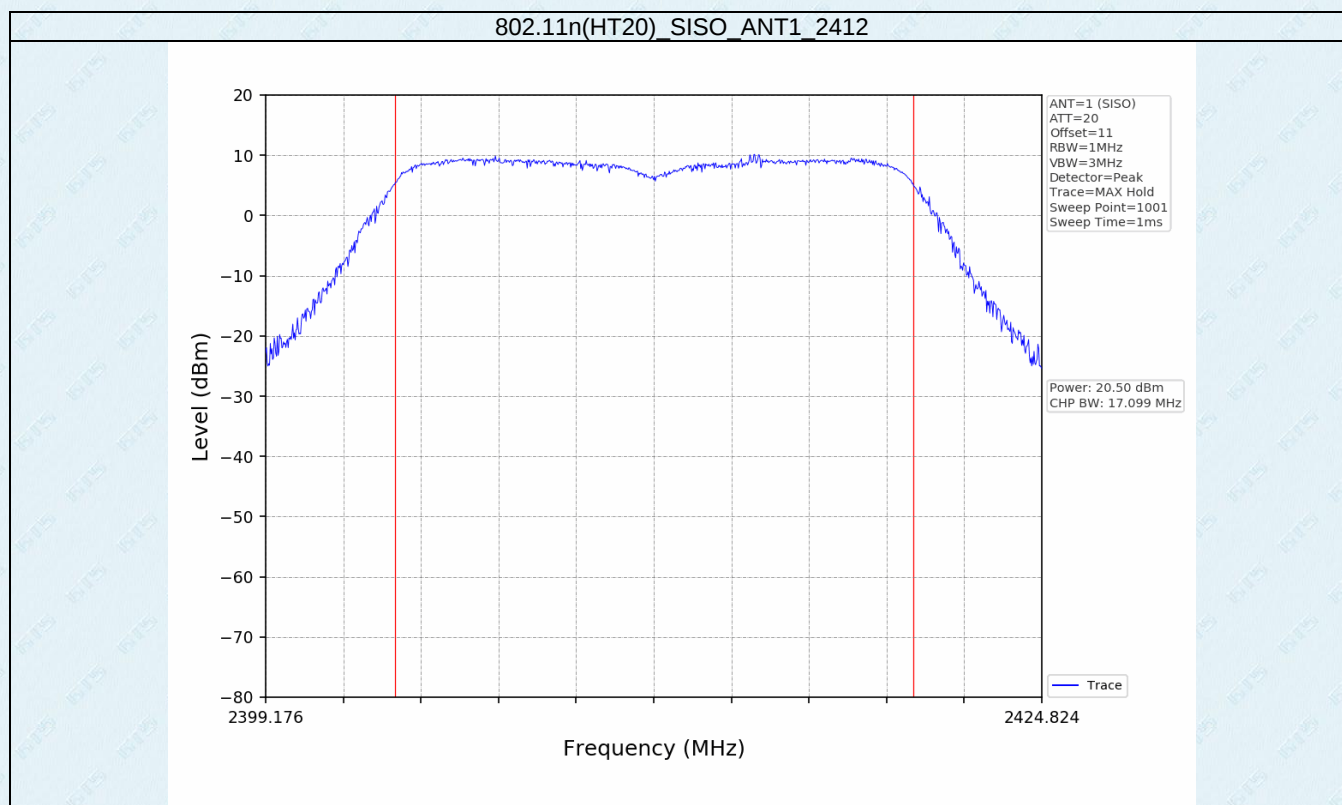
3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11n(HT20)	2412	SISO	20.50	30	PASS
	2437	SISO	20.96	30	PASS
	2462	SISO	20.07	30	PASS

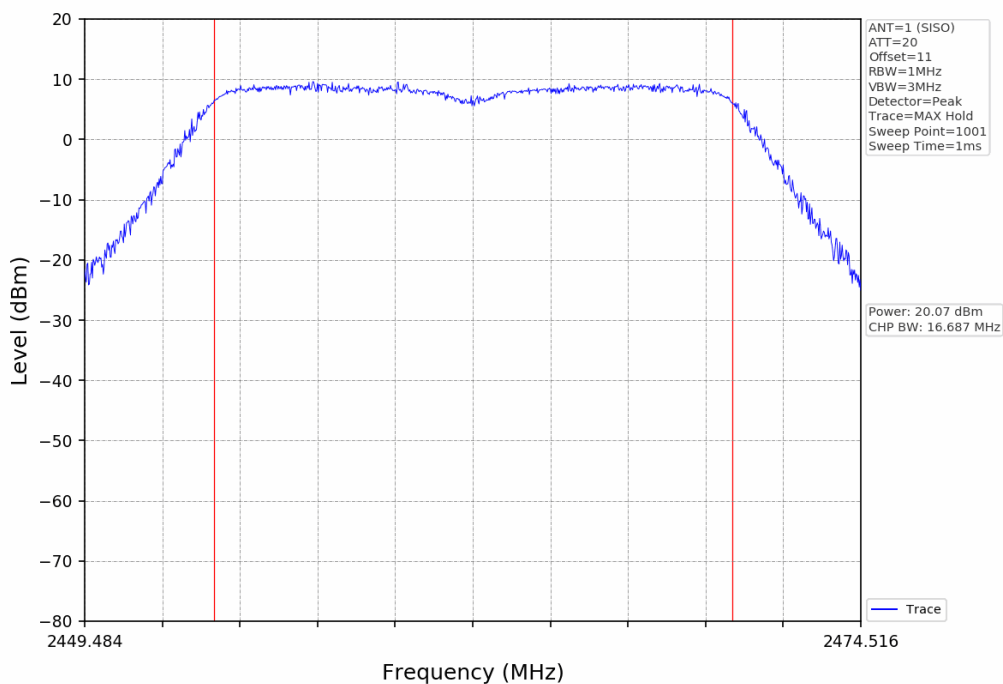
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 2		
802.11n(HT20)	2412	SISO	20.21	30	PASS
	2437	SISO	20.24	30	PASS
	2462	SISO	19.93	30	PASS

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
802.11n(HT20)	2412	MIMO	20.53	30	PASS
	2437	MIMO	20.96	30	PASS
	2462	MIMO	20.14	30	PASS

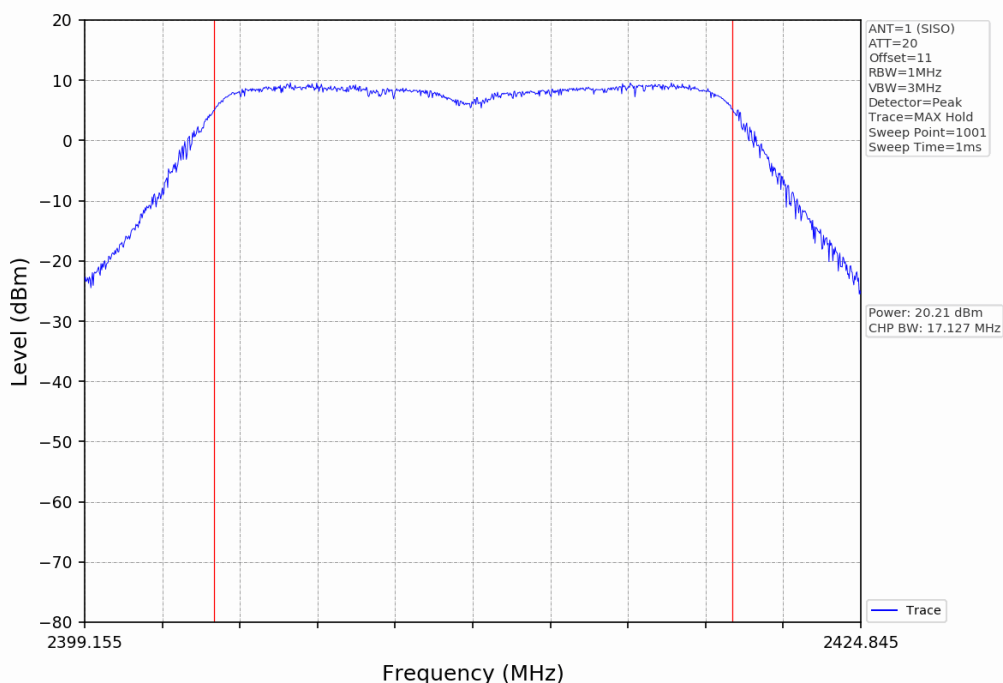
3.2 Test Graph



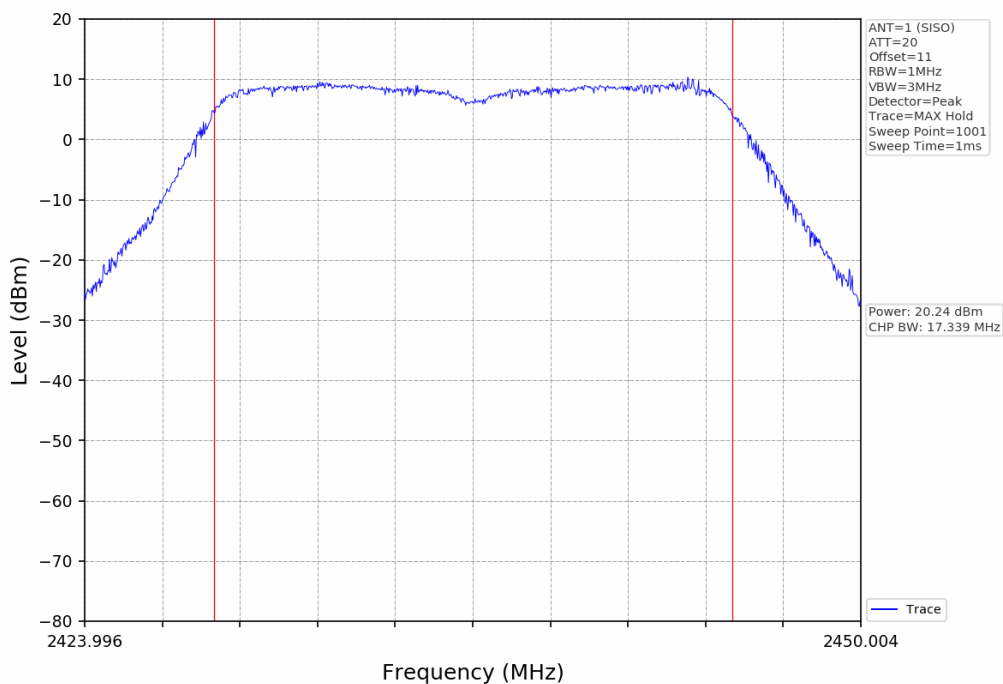
802.11n(HT20) SISO ANT1 2462



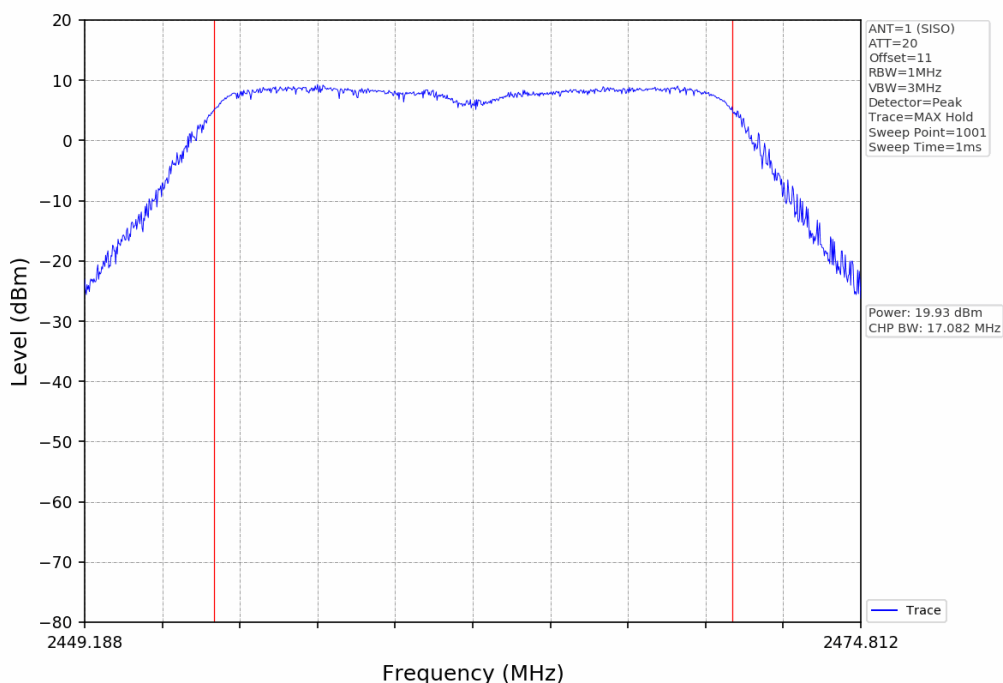
802.11n(HT20) SISO ANT2 2412



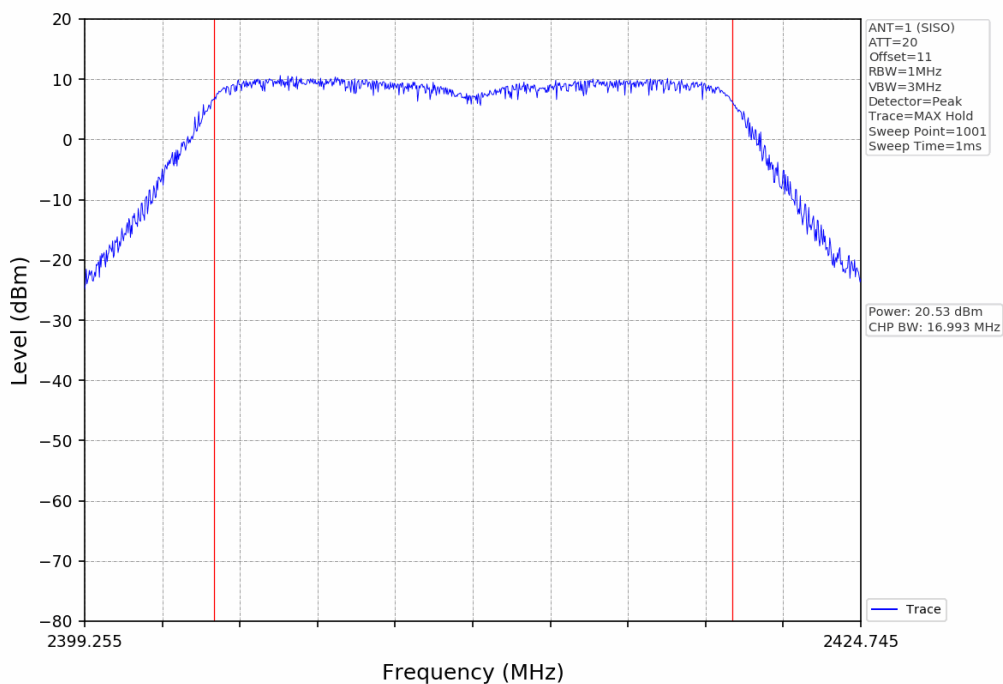
802.11n(HT20) SISO ANT2 2437



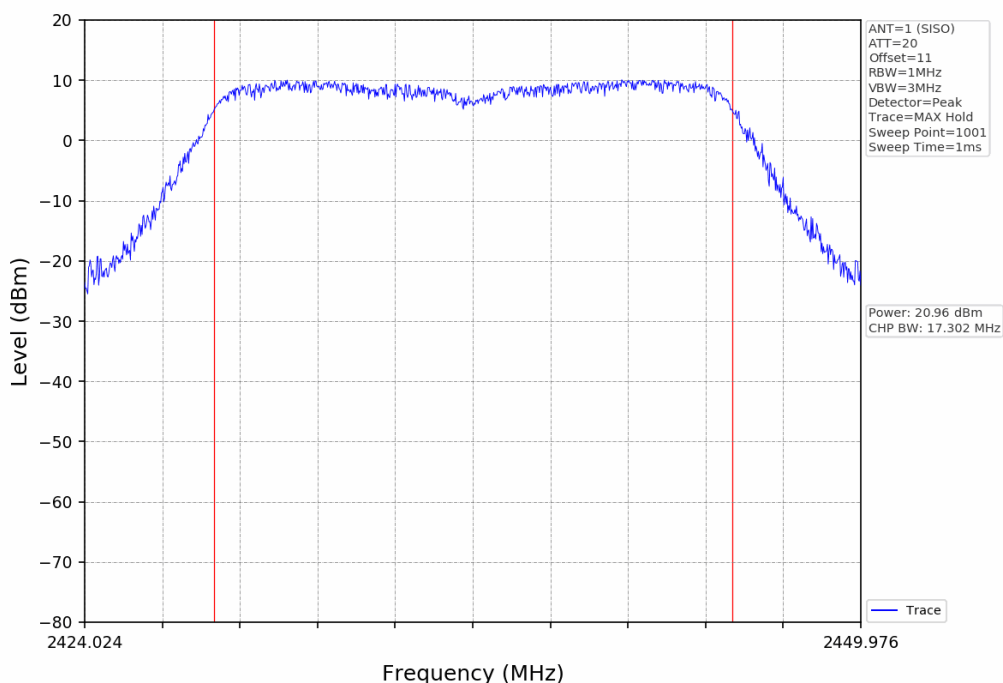
802.11n(HT20) SISO ANT2 2462

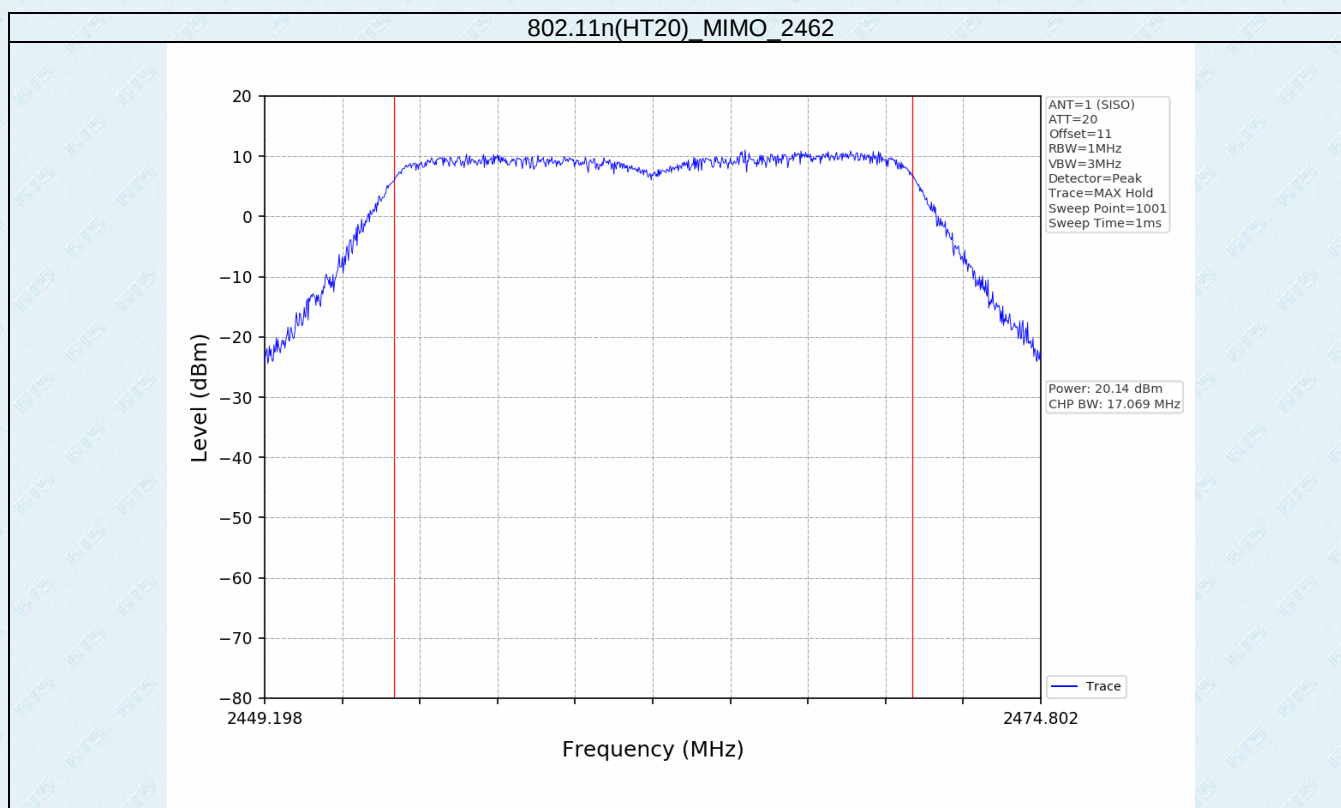


802.11n(HT20)_MIMO_2412



802.11n(HT20)_MIMO_2437





4. Maximum Power Spectral Density (PSD)

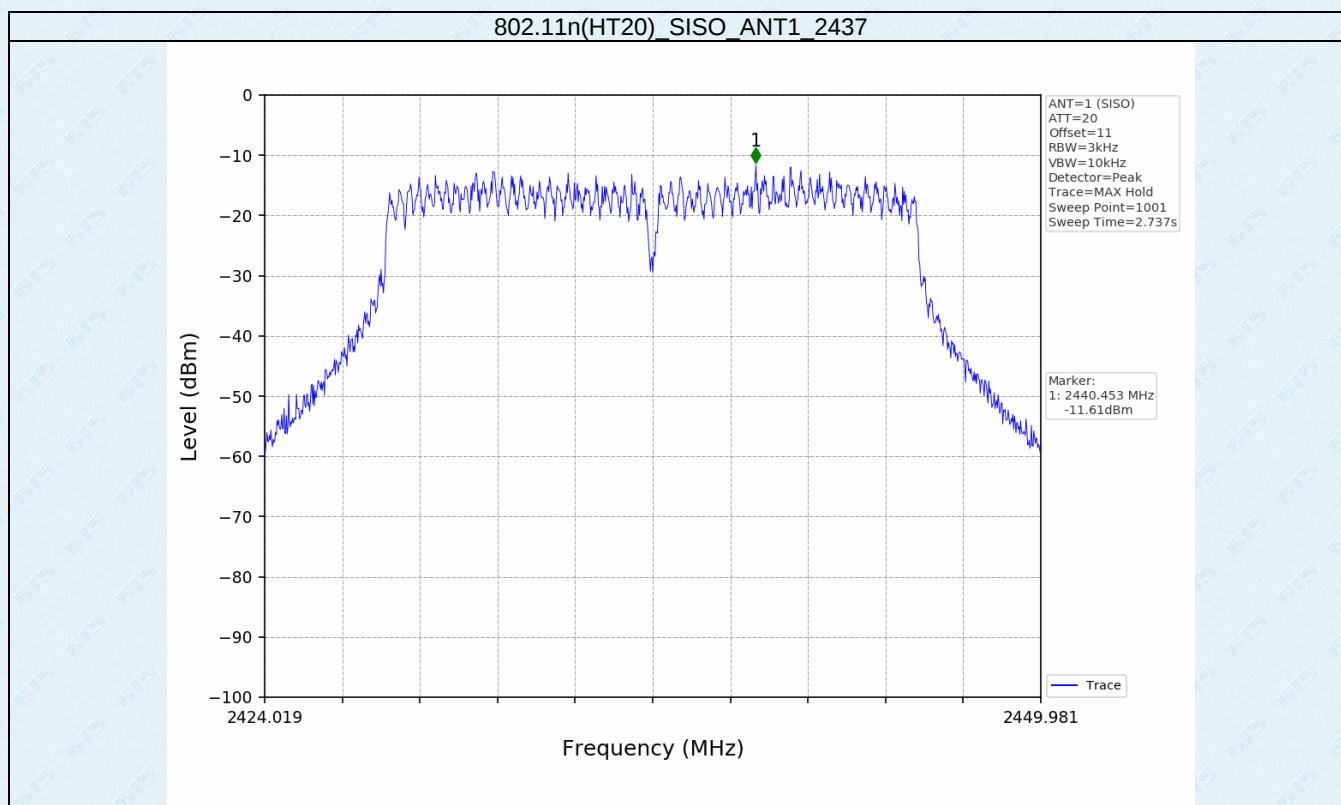
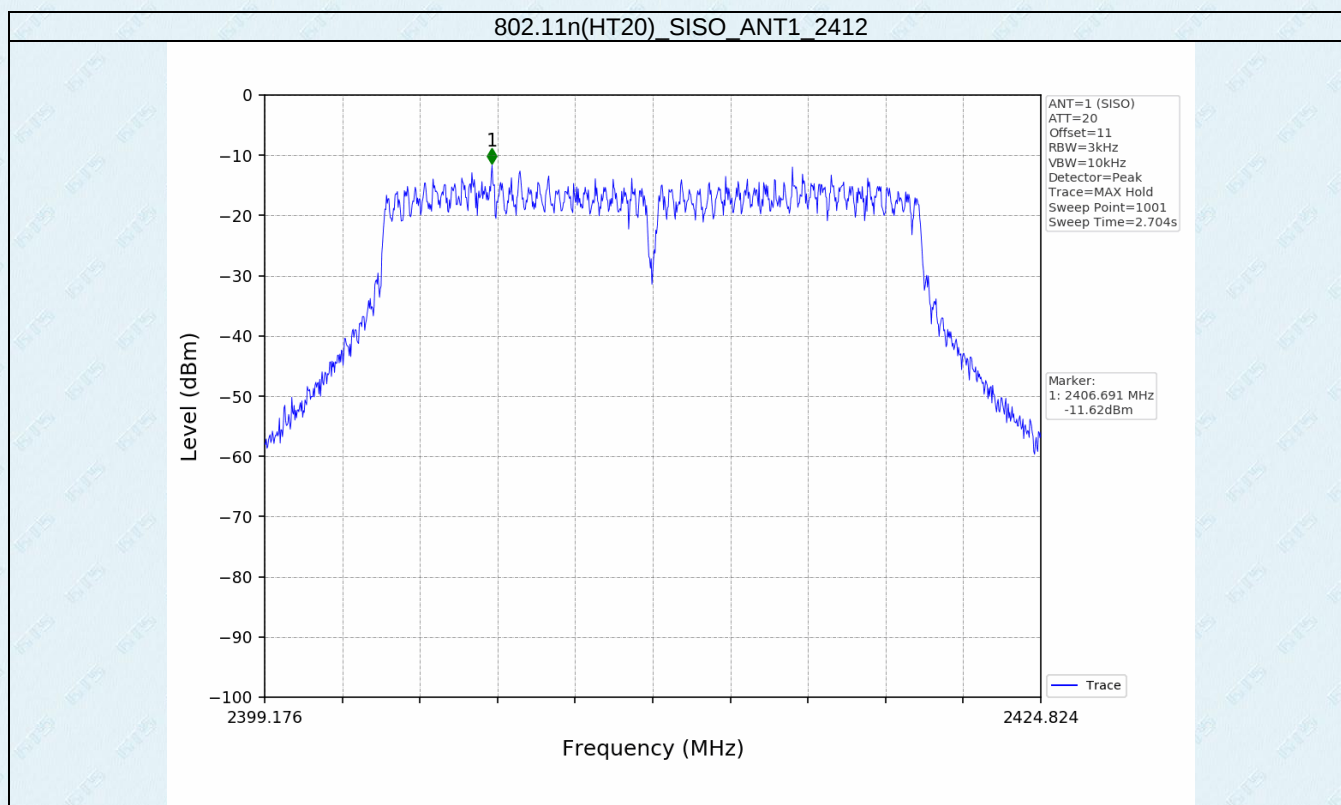
4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11n(HT20)	2412	SISO	-11.62	≤8	PASS
	2437	SISO	-11.61	≤8	PASS
	2462	SISO	-11.85	≤8	PASS

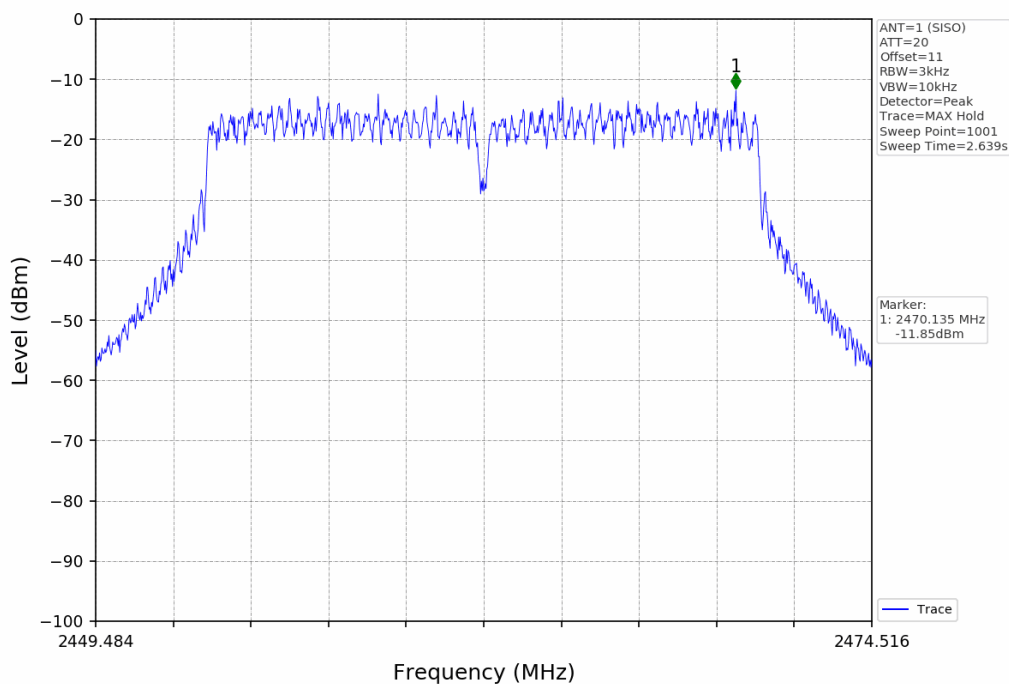
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 2		
802.11n(HT20)	2412	SISO	-12.83	≤8	PASS
	2437	SISO	-12.62	≤8	PASS
	2462	SISO	-12.26	≤8	PASS

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
802.11n(HT20)	2412	MIMO	-9.17	≤8	PASS
	2437	MIMO	-9.08	≤8	PASS
	2462	MIMO	-9.04	≤8	PASS

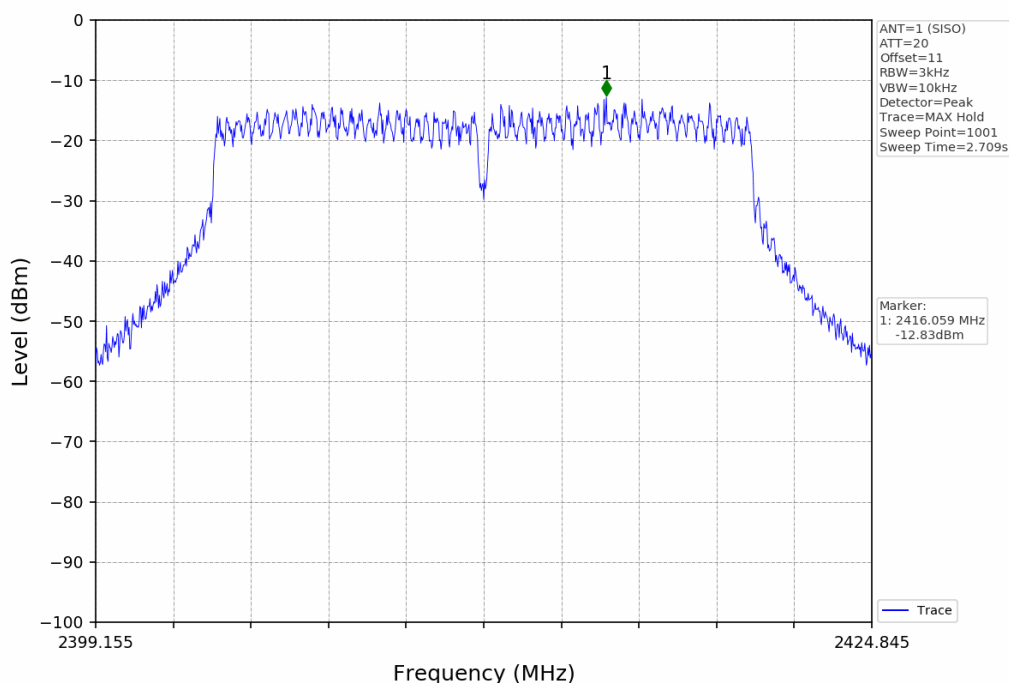
4.2 Test Graph



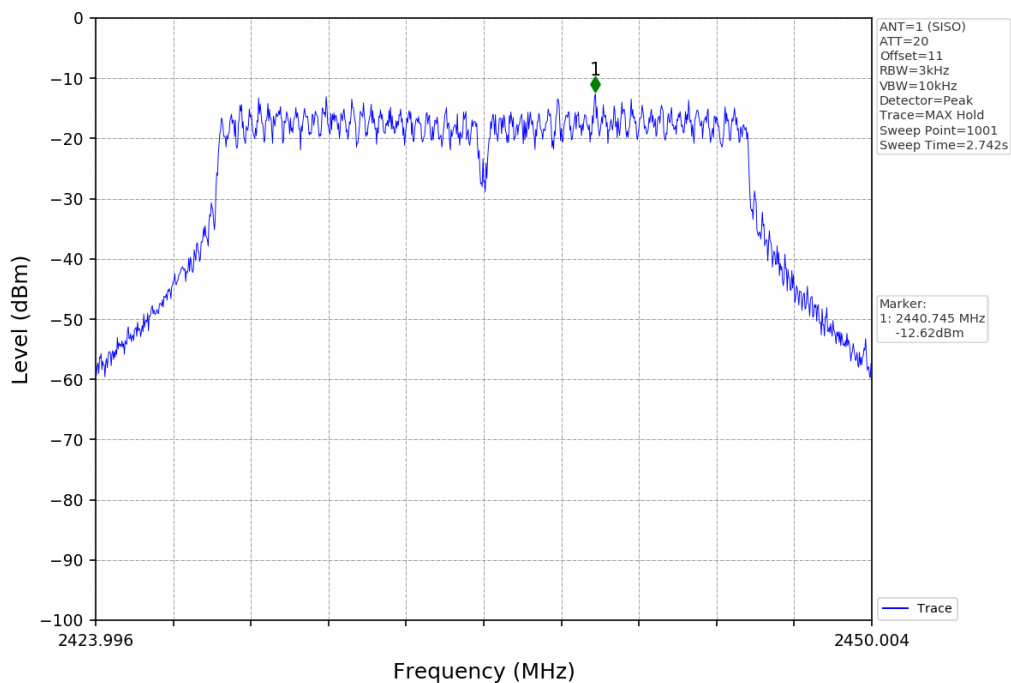
802.11n(HT20) SISO ANT1 2462



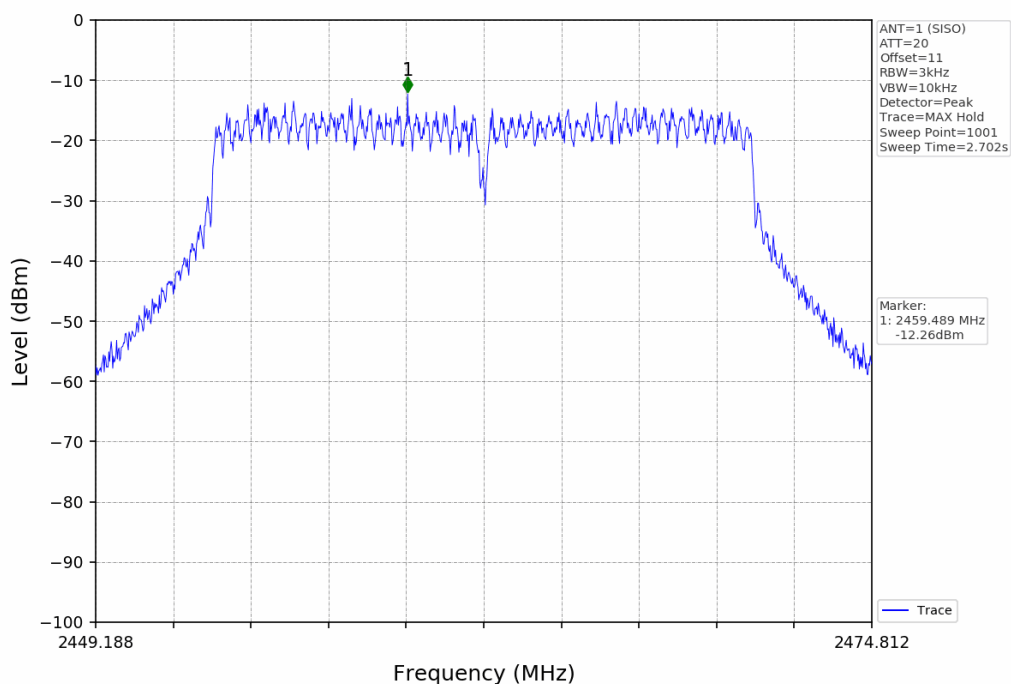
802.11n(HT20) SISO ANT2 2412



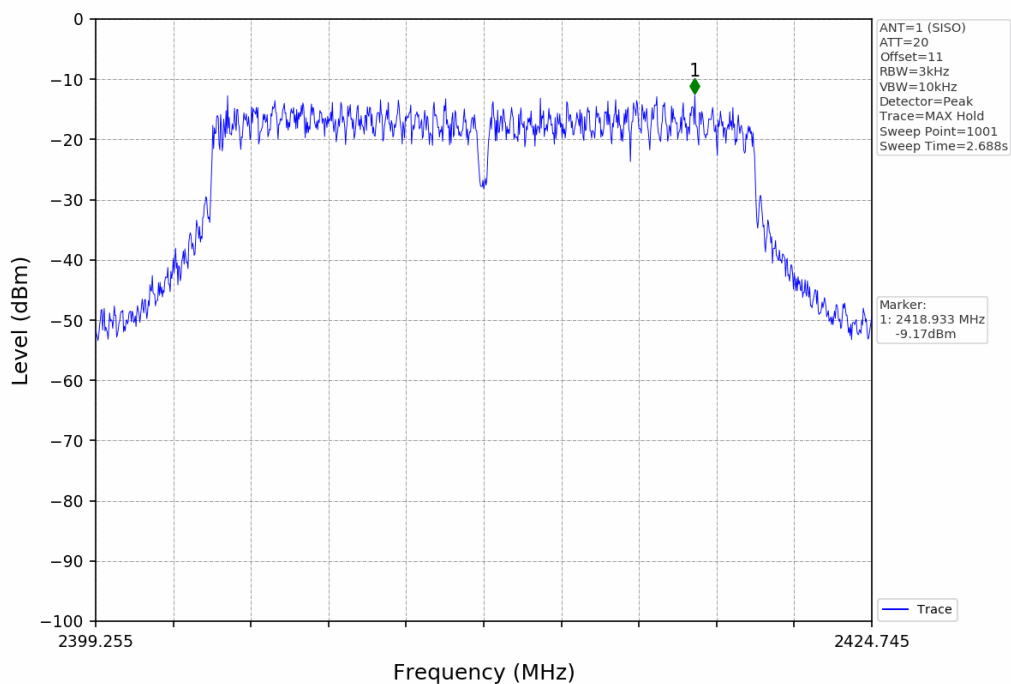
802.11n(HT20) SISO ANT2 2437



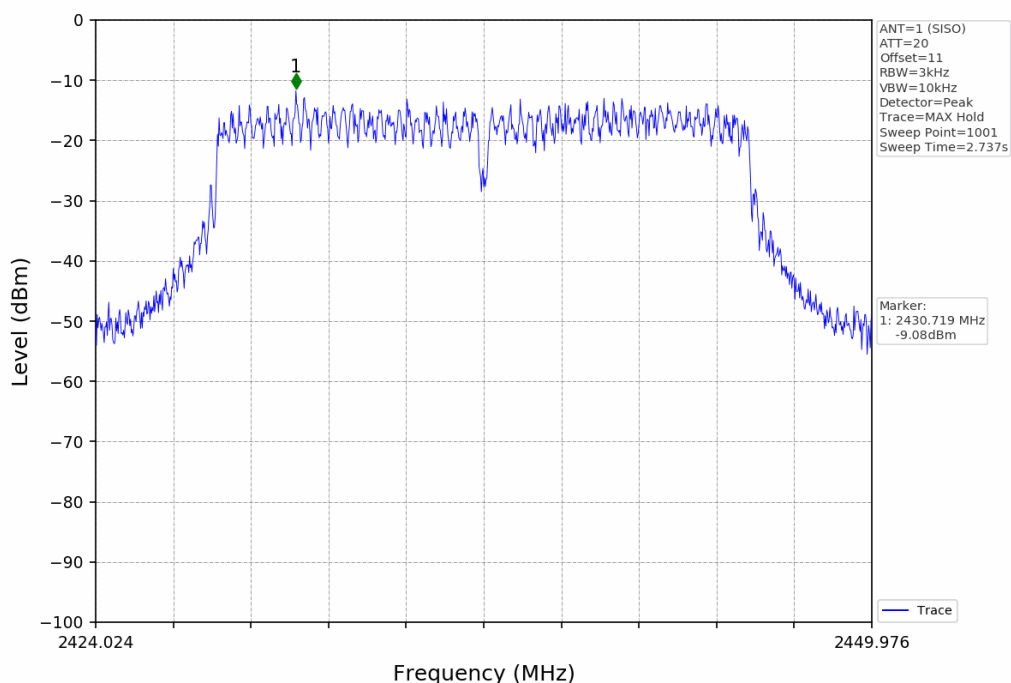
802.11n(HT20) SISO ANT2 2462

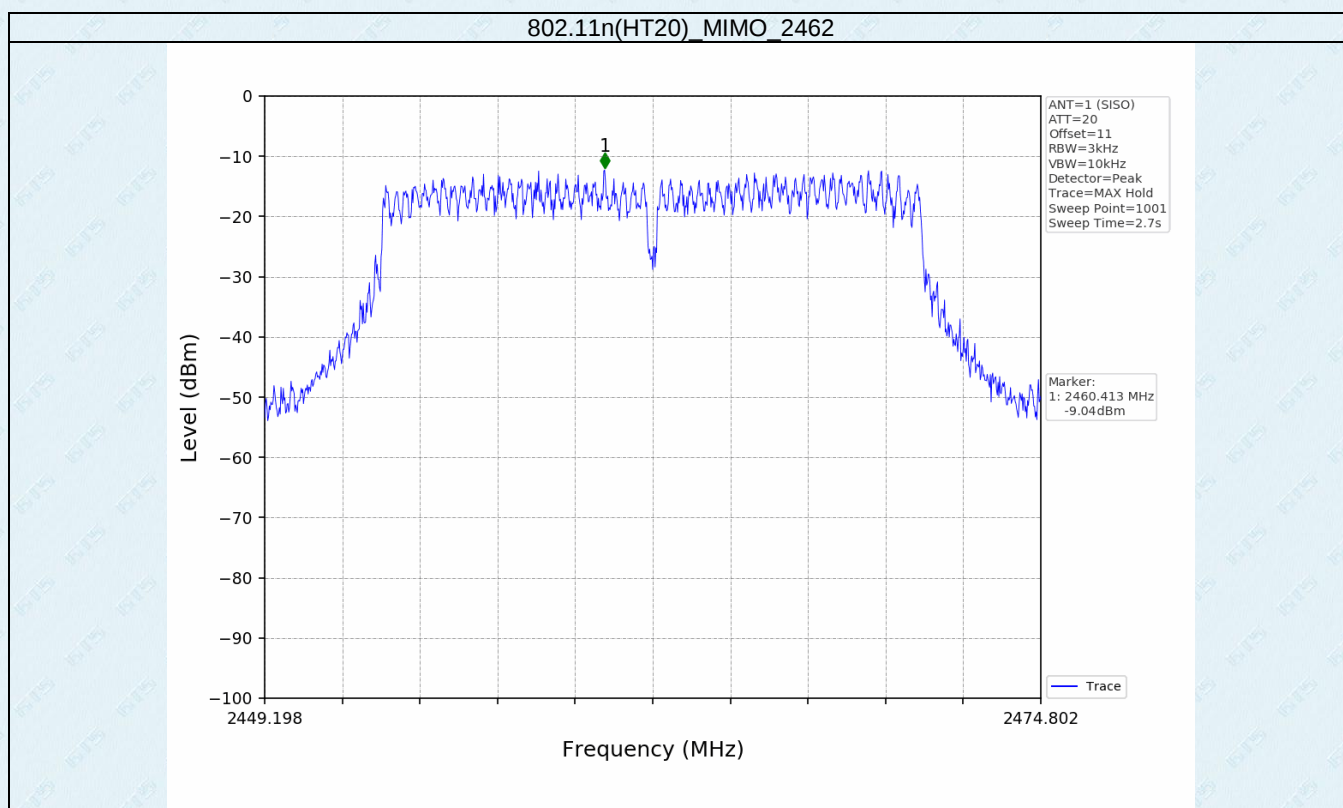


802.11n(HT20)_MIMO_2412



802.11n(HT20)_MIMO_2437



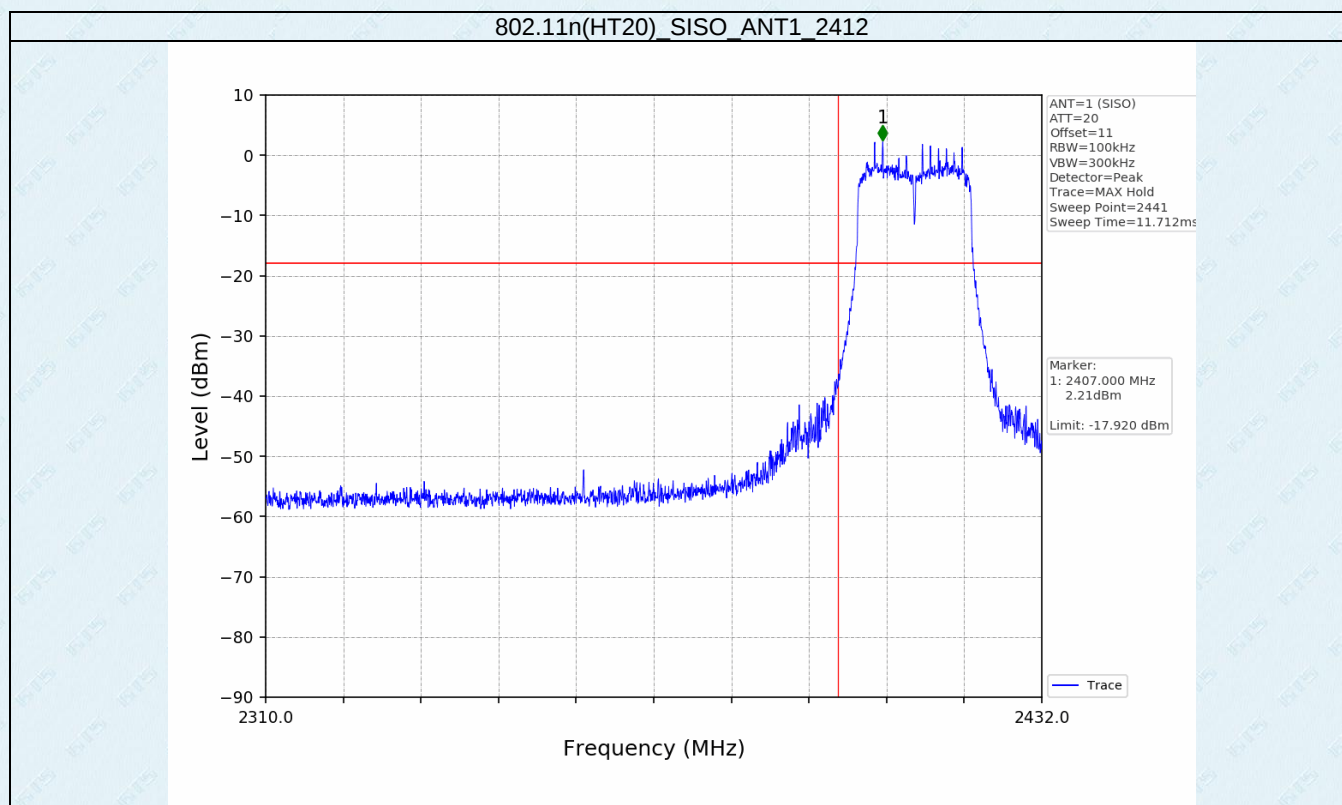
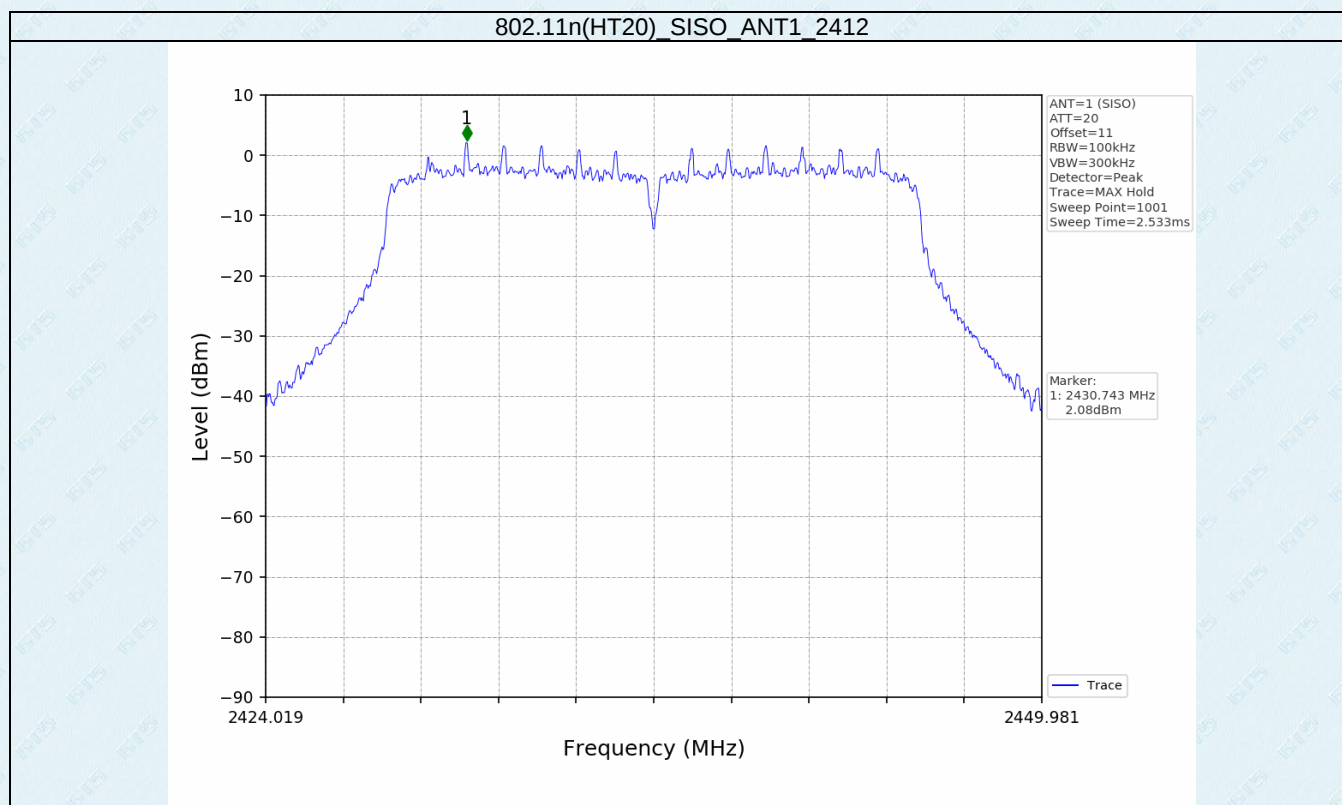


5. Unwanted Emissions in Non-restricted Frequency Bands

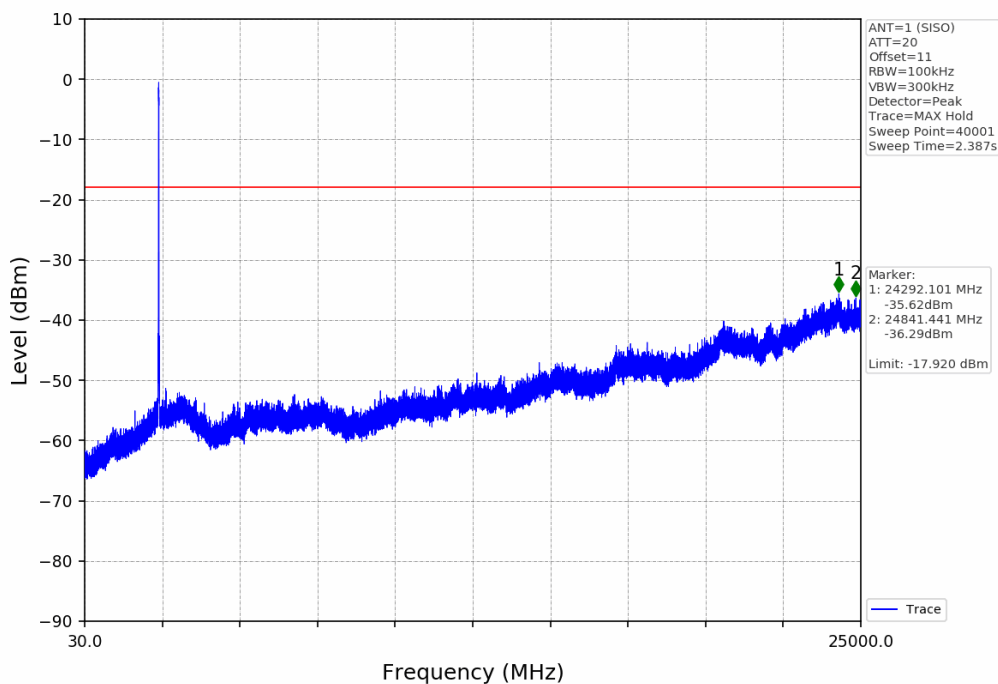
5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11n(HT20)	2412	SISO	1	Refer to test graph	-17.92	PASS
	2437	SISO	1	Refer to test graph	-17.92	PASS
	2462	SISO	1	Refer to test graph	-17.92	PASS
	2412	SISO	2	Refer to test graph	-18.06	PASS
	2437	SISO	2	Refer to test graph	-18.06	PASS
	2462	SISO	2	Refer to test graph	-18.06	PASS

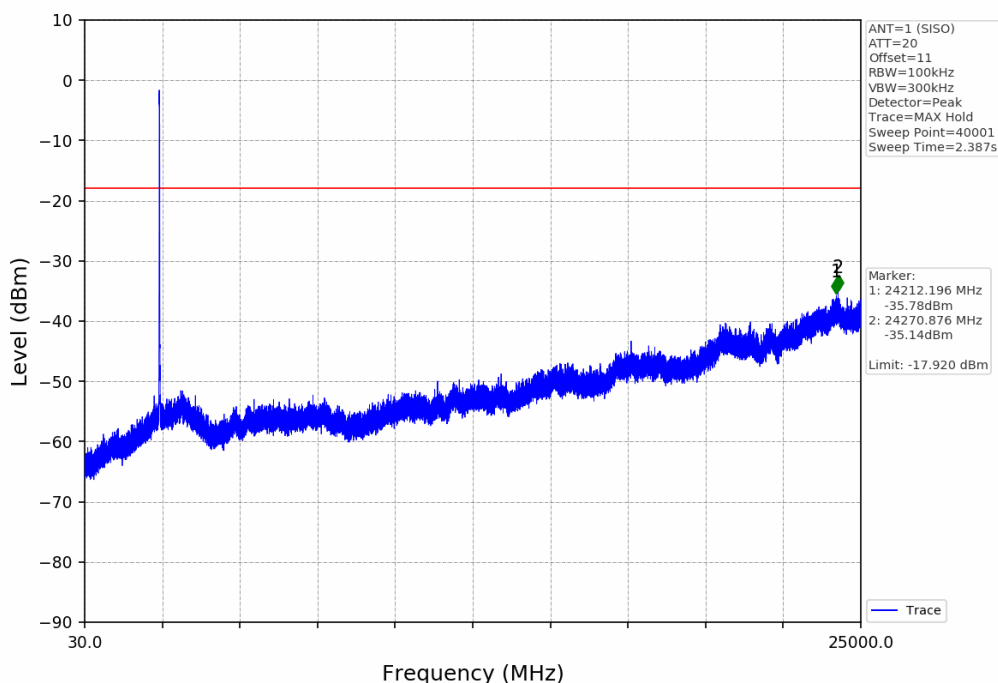
5.2 Test Graph



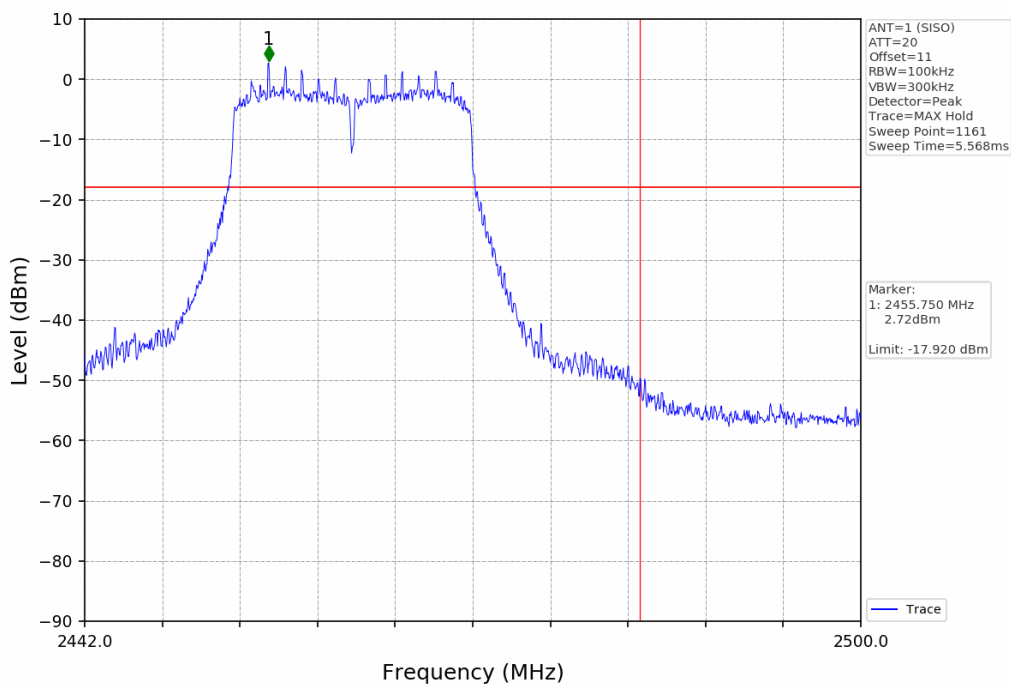
802.11n(HT20) SISO ANT1 2412



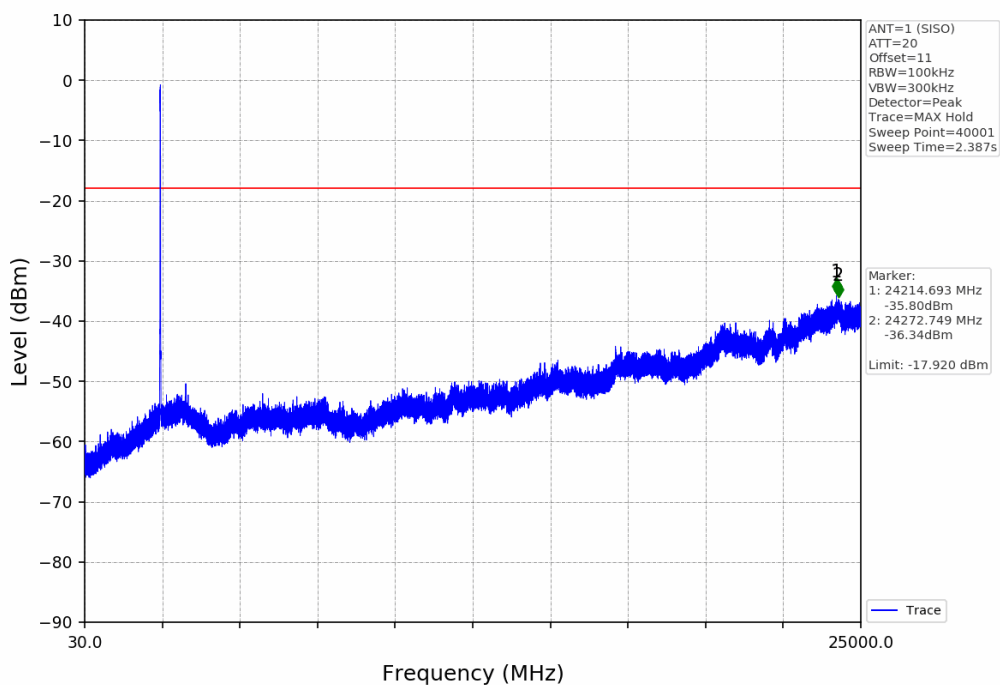
802.11n(HT20) SISO ANT1 2437

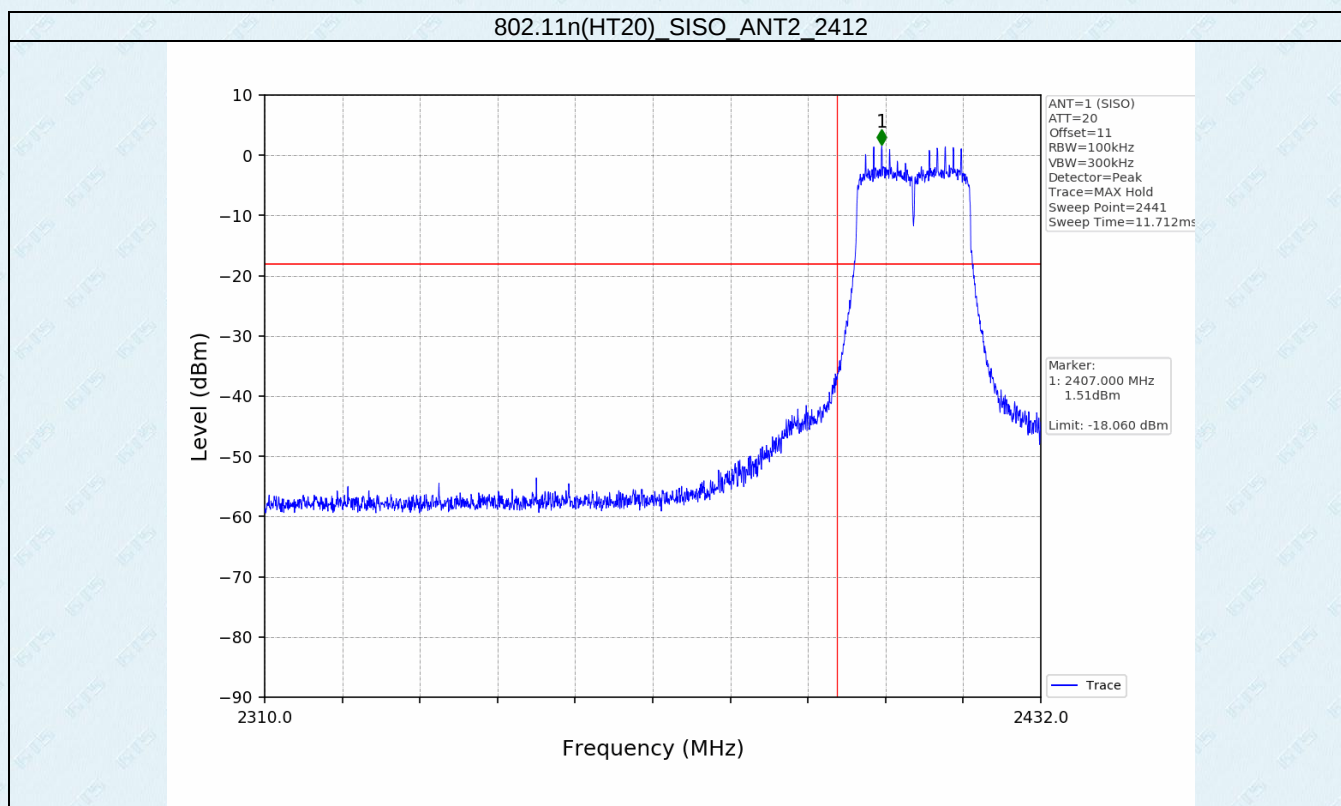
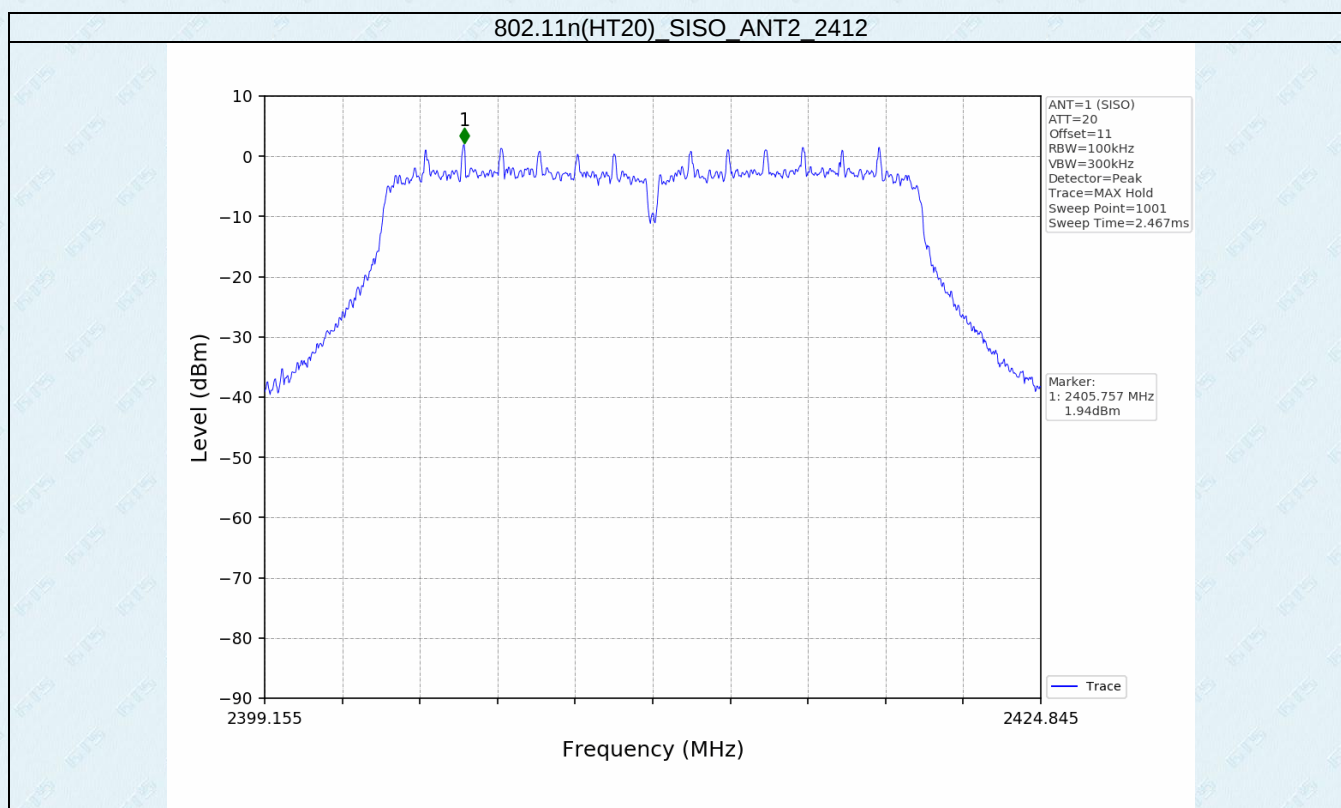


802.11n(HT20) SISO_ANT1_2462

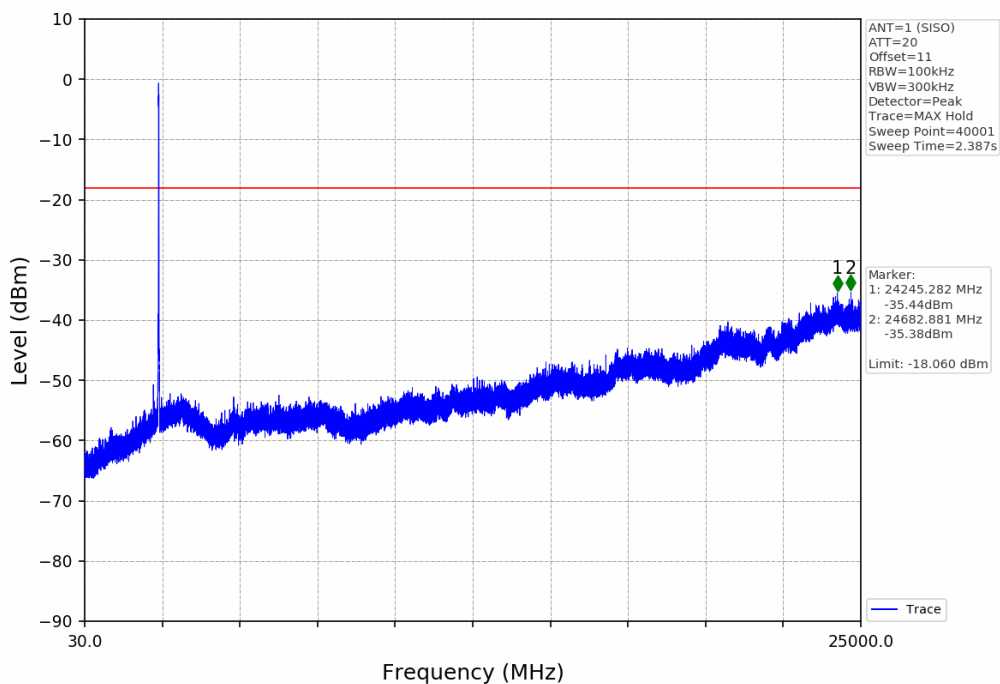


802.11n(HT20) SISO_ANT1_2462

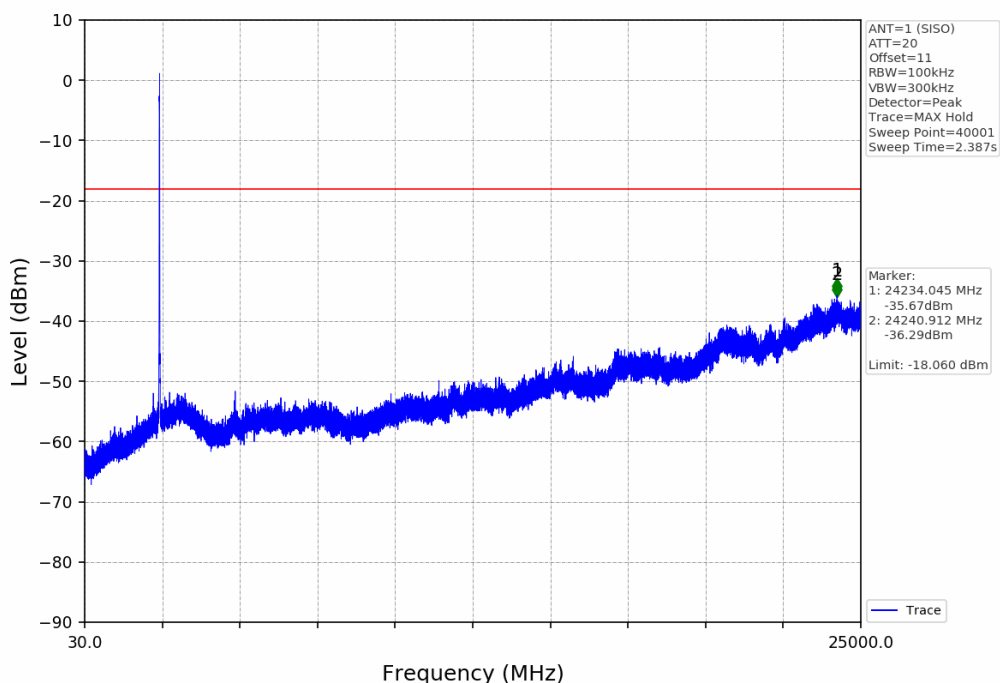




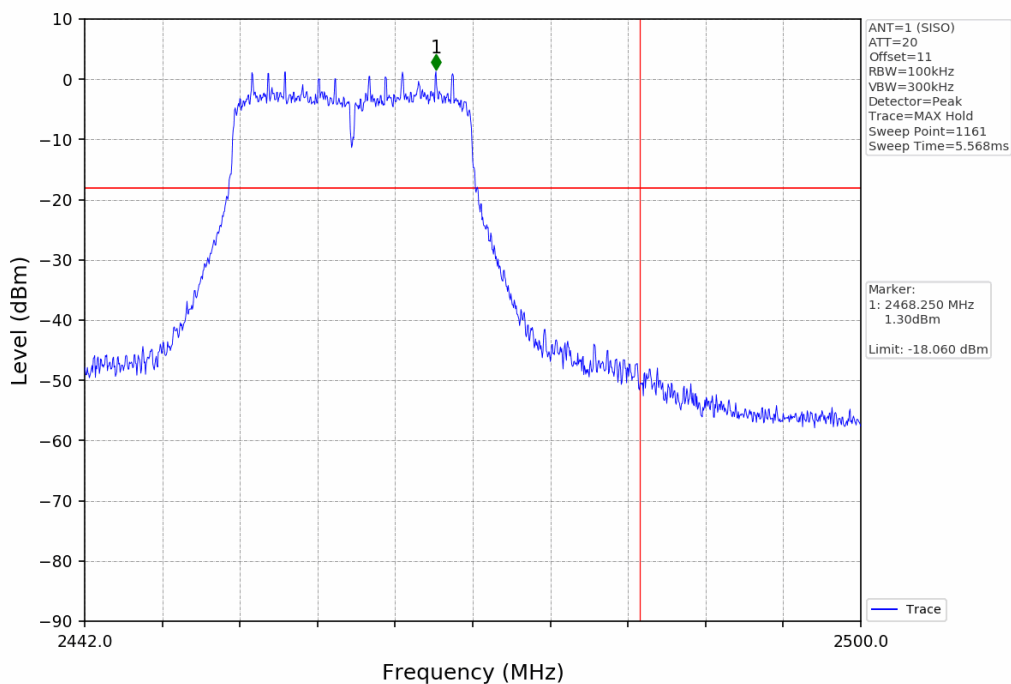
802.11n(HT20) SISO_ANT2_2412



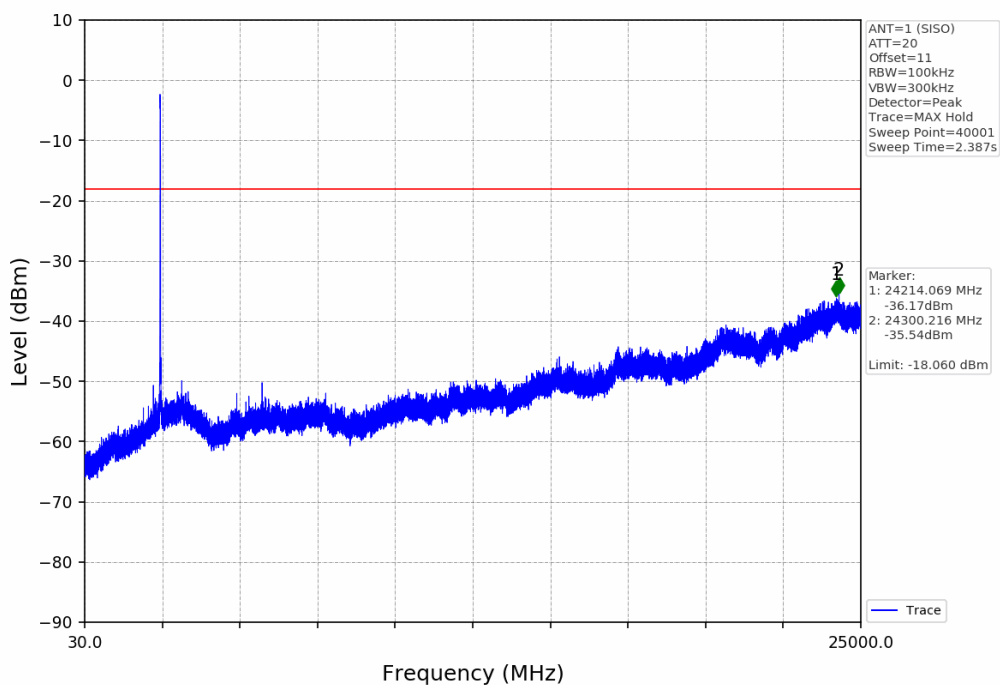
802.11n(HT20) SISO_ANT2_2437



802.11n(HT20) SISO_ANT2_2462



802.11n(HT20) SISO_ANT2_2462



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