

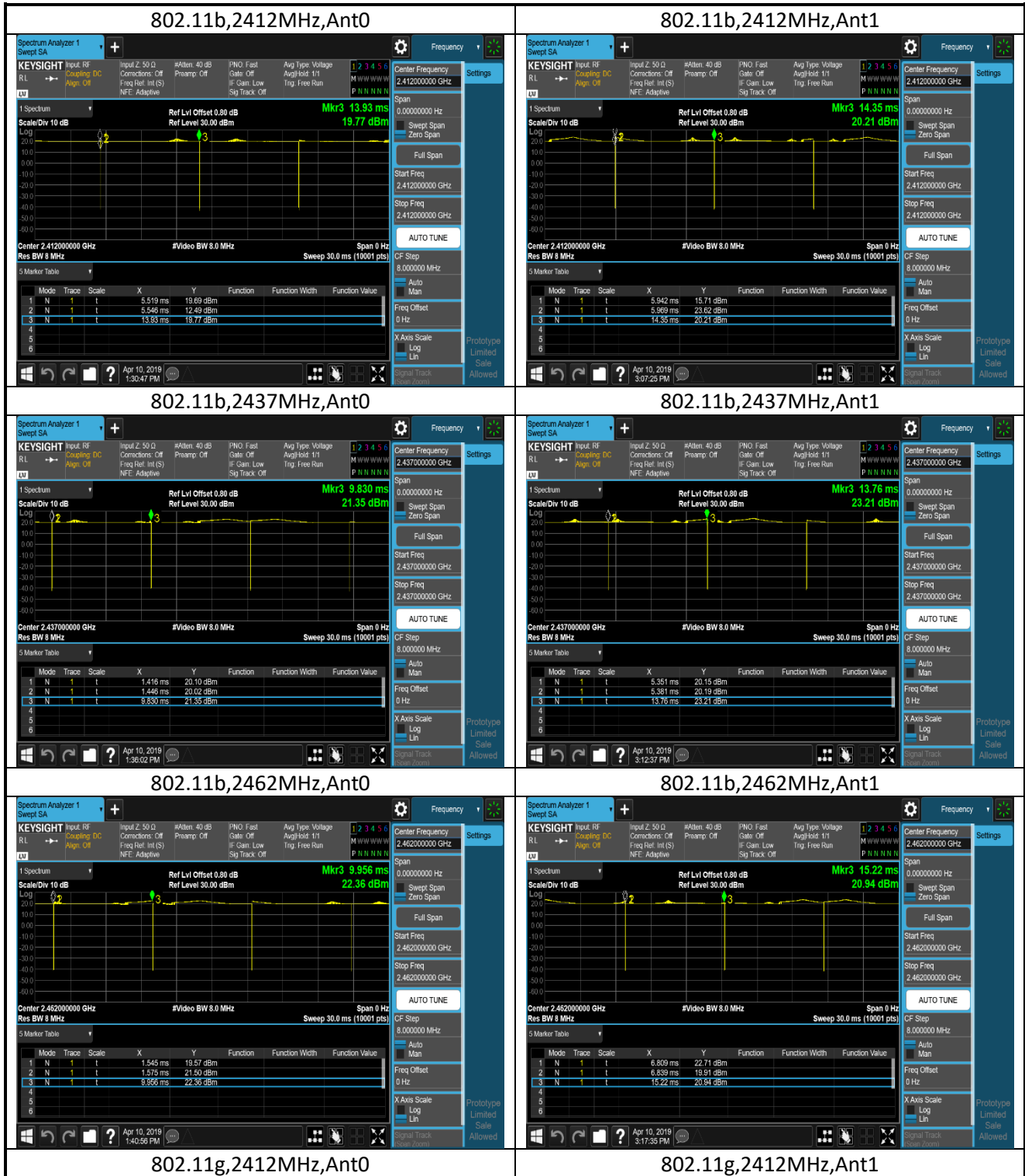
Appendix A: Test results

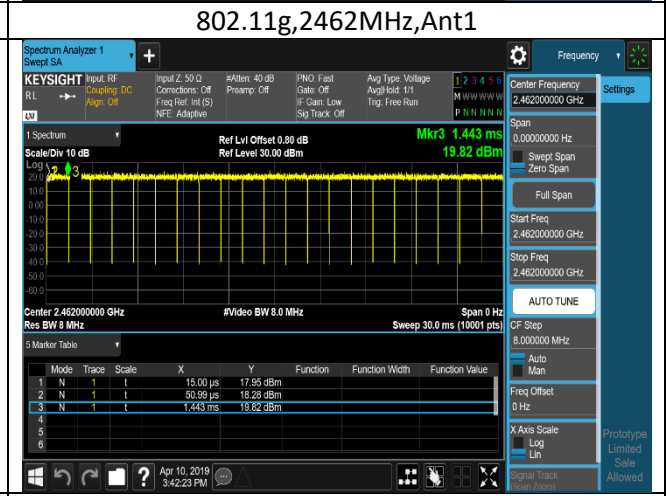
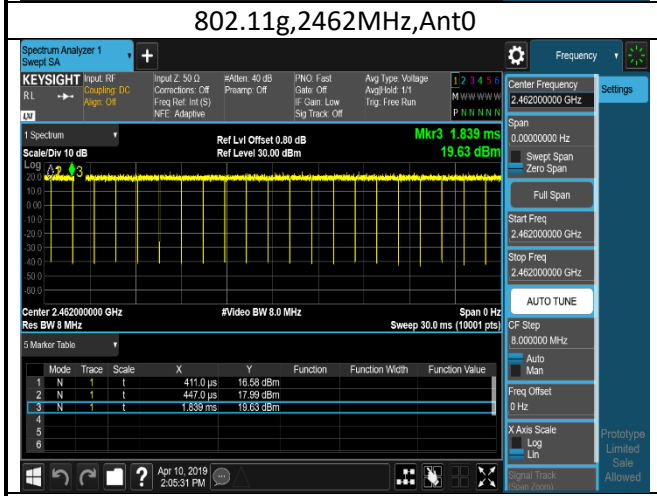
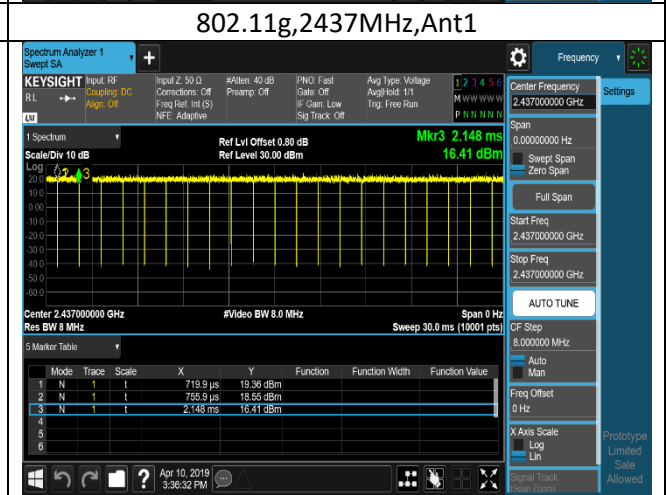
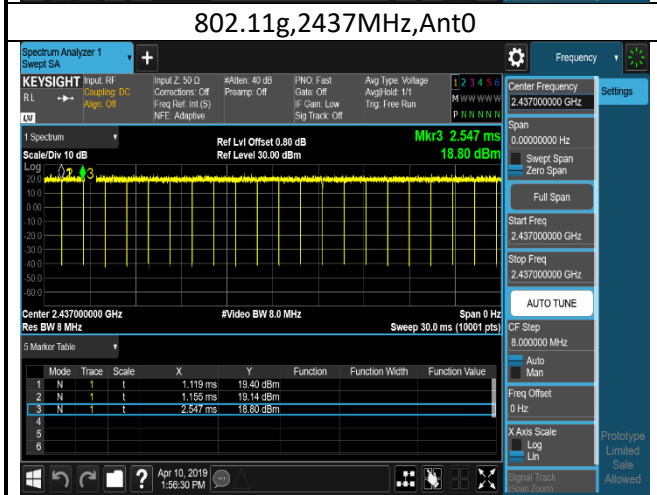
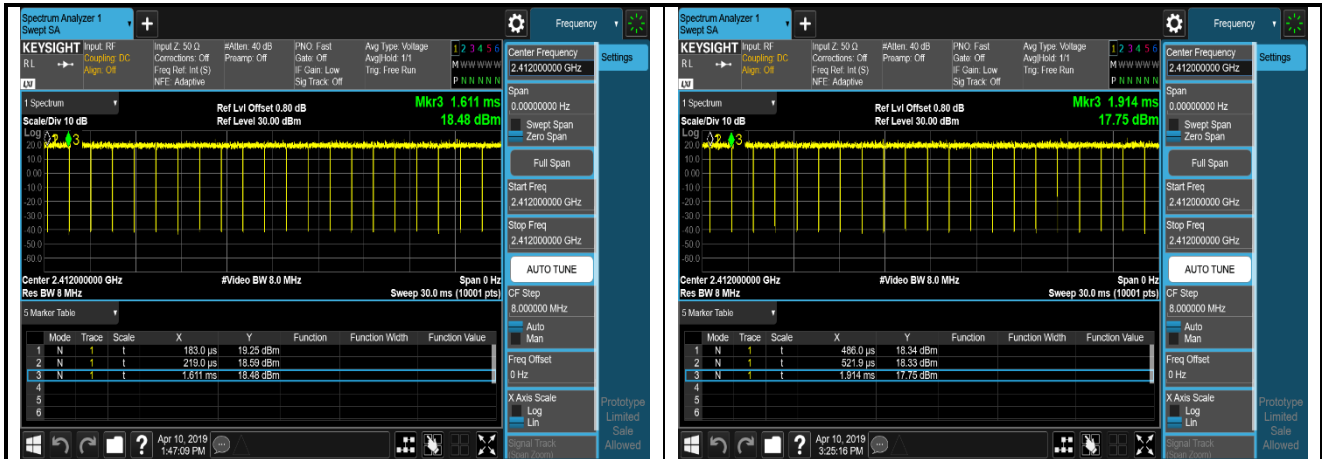
1. Duty Cycle

1.1 Test Data

WLAN Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11b	2412	Ant0	99.68	0.00
802.11b	2412	Ant1	99.68	0.00
802.11b	2437	Ant0	99.64	0.00
802.11b	2437	Ant1	99.64	0.00
802.11b	2462	Ant0	99.64	0.00
802.11b	2462	Ant1	99.64	0.00
802.11g	2412	Ant0	97.48	0.11
802.11g	2412	Ant1	97.48	0.11
802.11g	2437	Ant0	97.48	0.11
802.11g	2437	Ant1	97.48	0.11
802.11g	2462	Ant0	97.48	0.11
802.11g	2462	Ant1	97.48	0.11
802.11n (HT20)	2412	Ant0	97.30	0.12
802.11n (HT20)	2412	Ant1	97.30	0.12
802.11n (HT20)	2437	Ant0	97.53	0.11
802.11n (HT20)	2437	Ant1	97.30	0.12
802.11n (HT20)	2462	Ant0	97.30	0.12
802.11n (HT20)	2462	Ant1	97.30	0.12
802.11n (HT40)	2422	Ant0	94.74	0.23
802.11n (HT40)	2422	Ant1	95.15	0.22
802.11n (HT40)	2437	Ant0	94.74	0.23
802.11n (HT40)	2437	Ant1	95.15	0.22
802.11n (HT40)	2452	Ant0	94.74	0.23
802.11n (HT40)	2452	Ant1	94.74	0.23

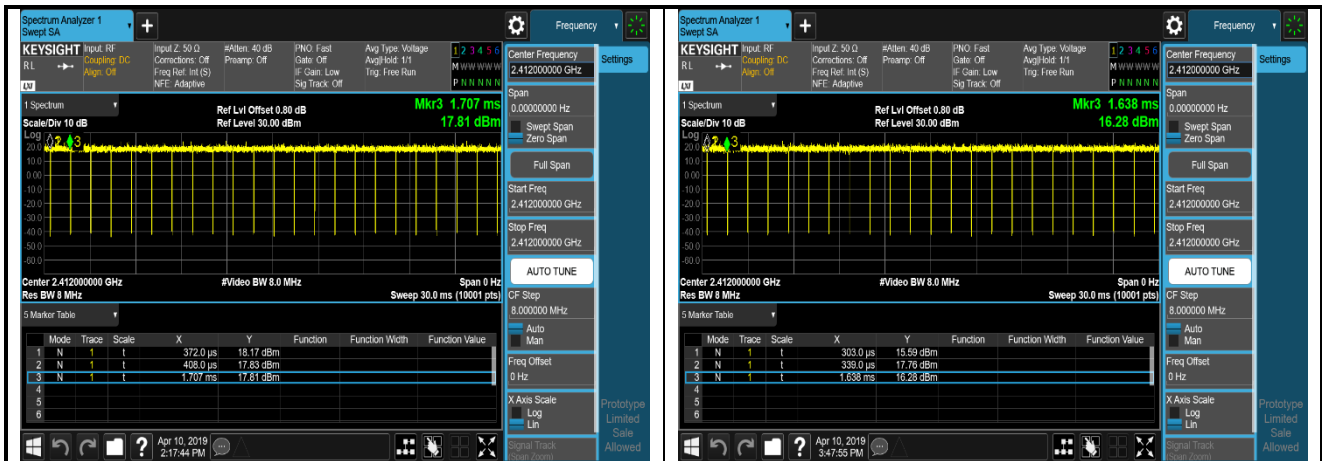
1.2 Test Plots





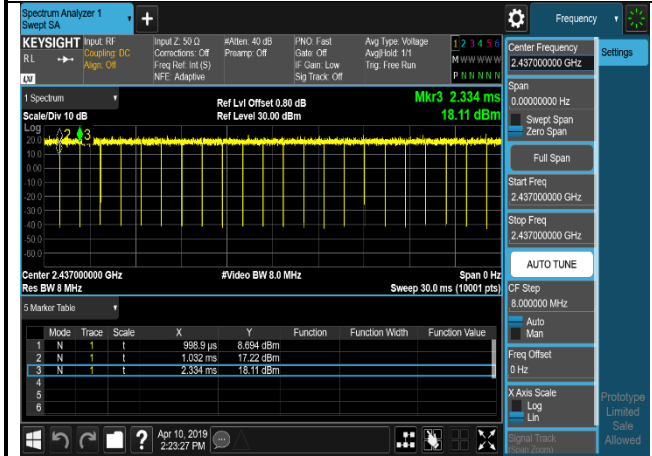
802.11n(HT20), 2412 MHz, Ant0

802.11n(HT20), 2412 MHz, Ant1

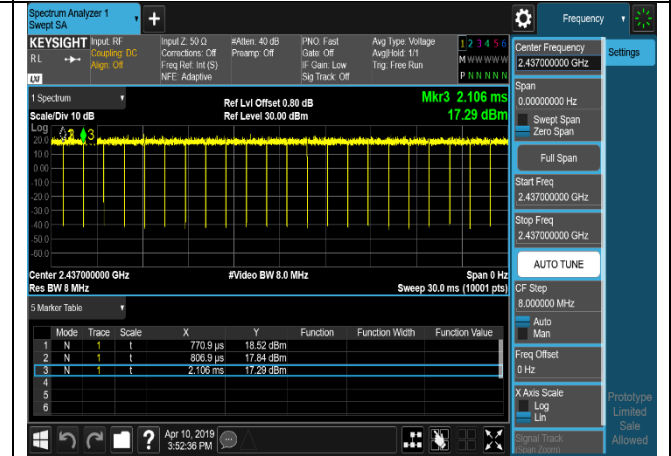


802.11n(HT20),2437MHz,Ant0

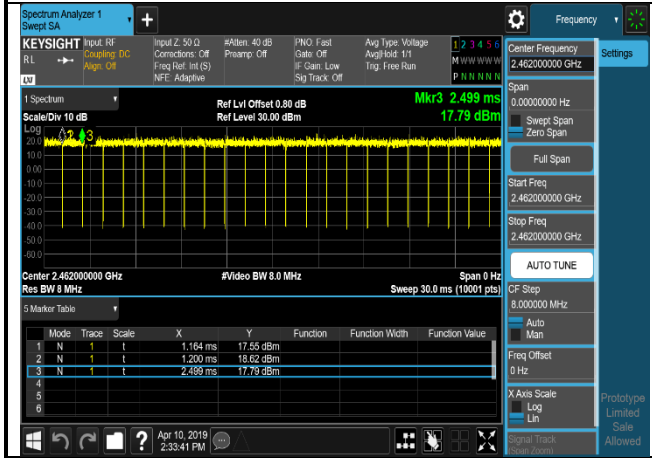
802.11n(HT20),2437MHz,Ant1



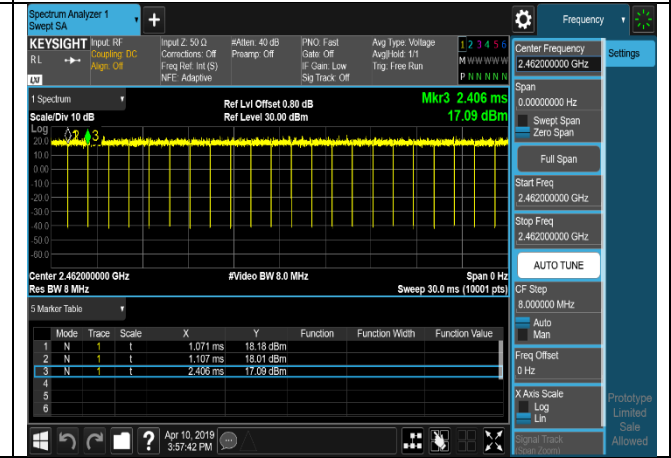
802.11n(HT20),2462MHz,Ant0



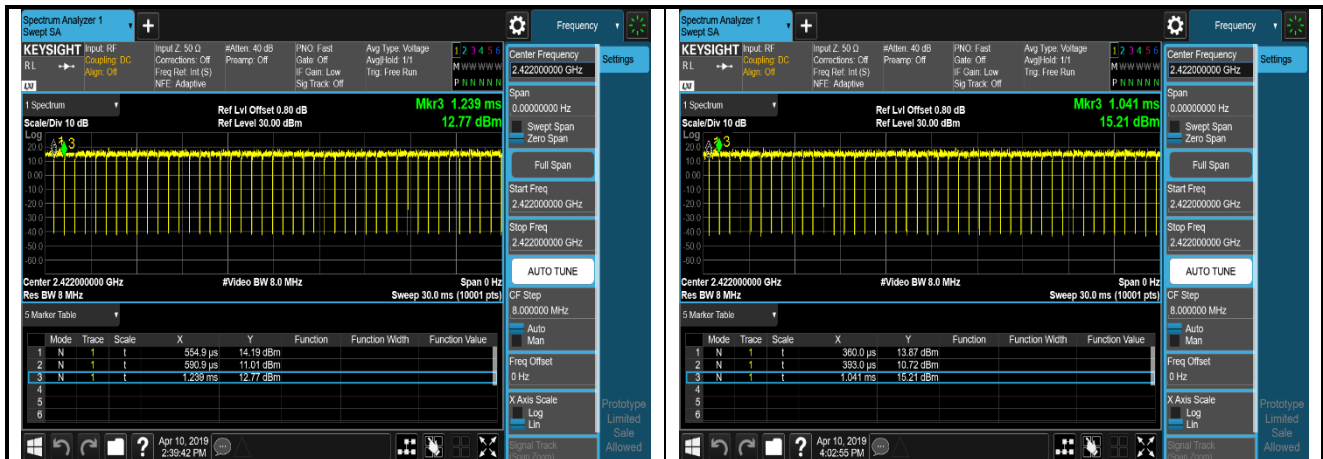
802.11n(HT20),2462MHz,Ant1



802.11n(HT40),2422MHz,Ant0

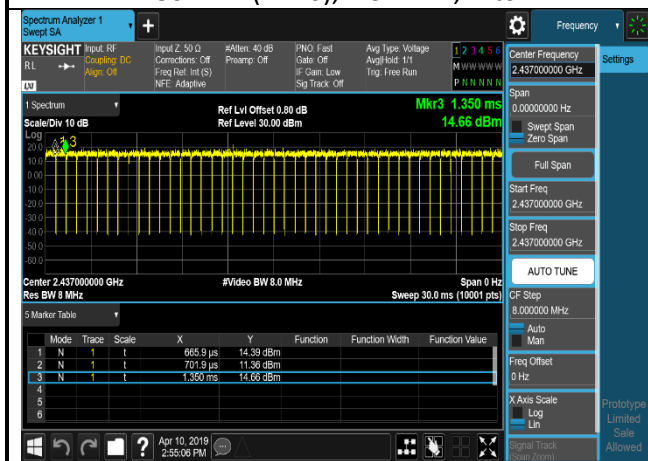


802.11n(HT40),2422MHz,Ant1

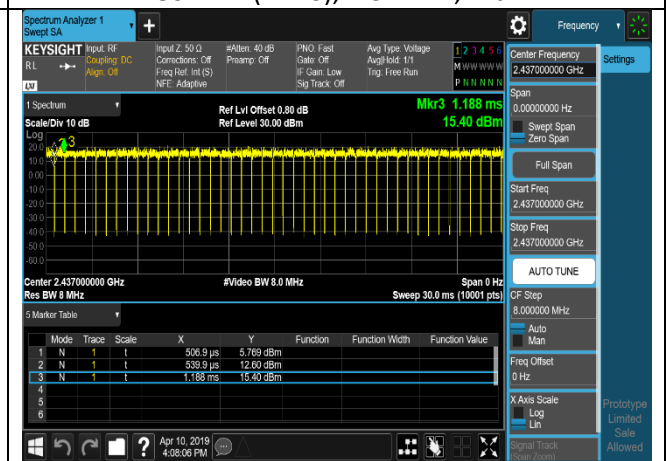


802.11n(HT40),2437MHz,Ant0

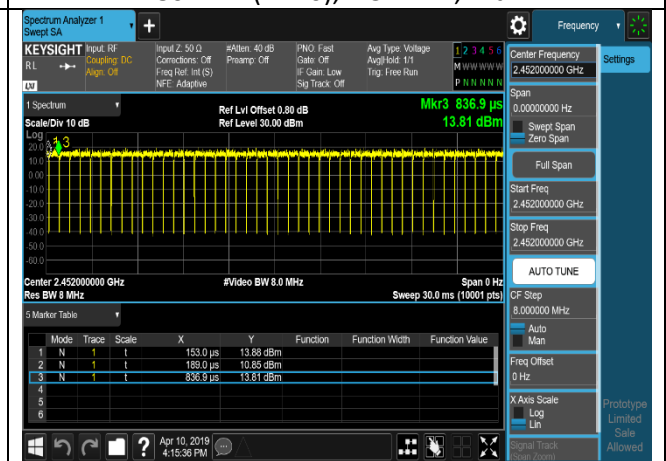
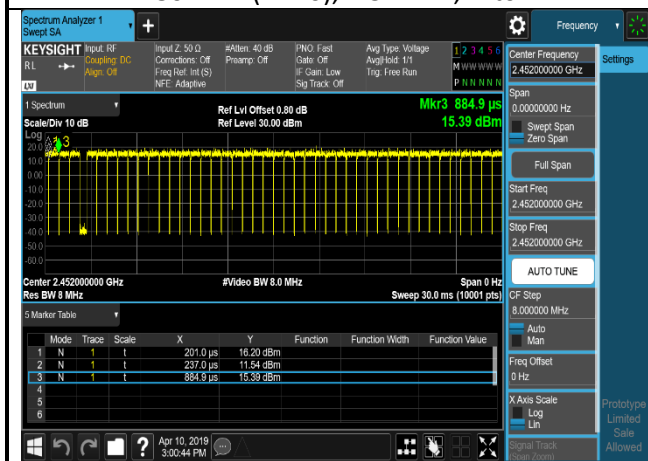
802.11n(HT40),2437MHz,Ant1



802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1

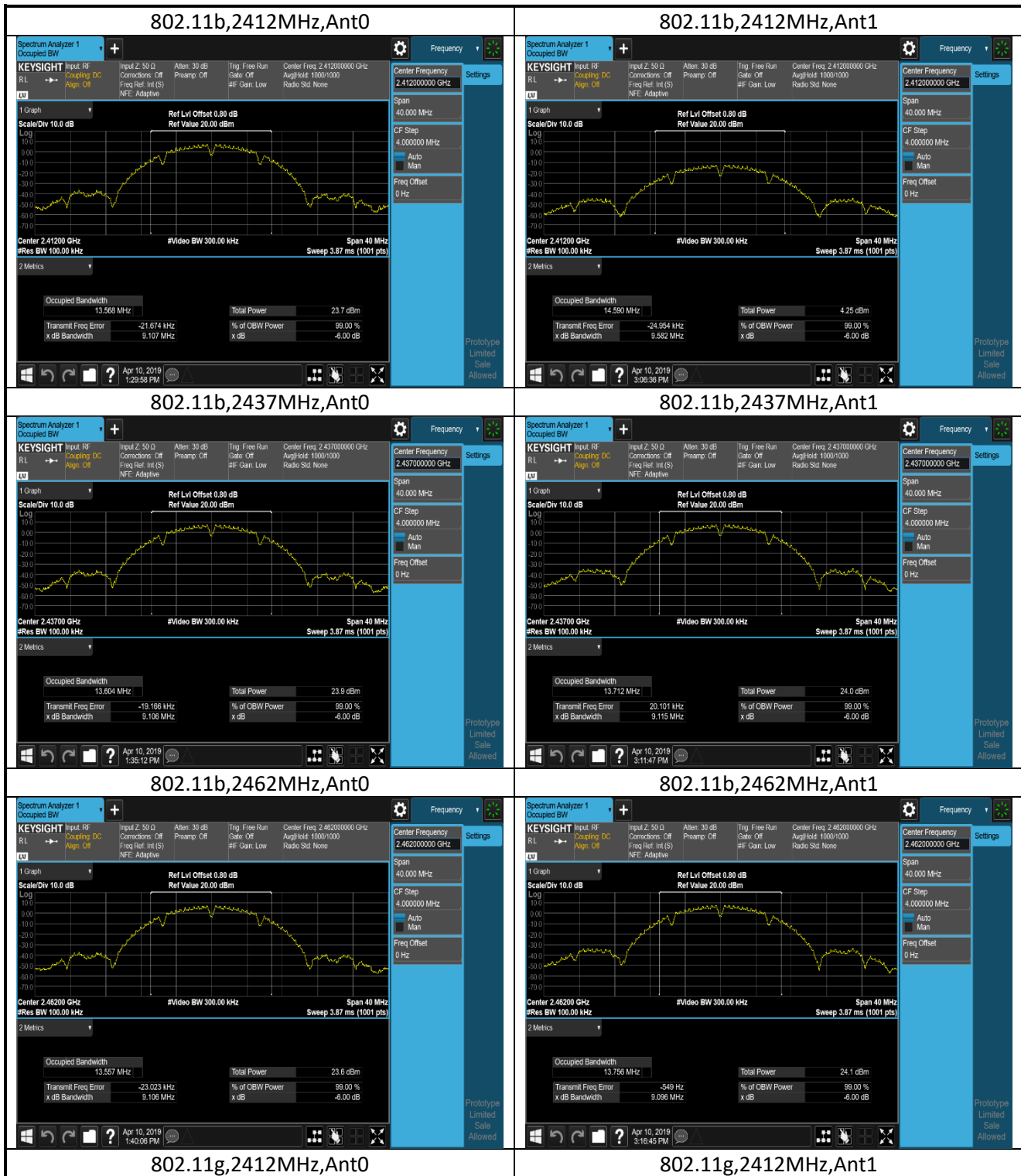


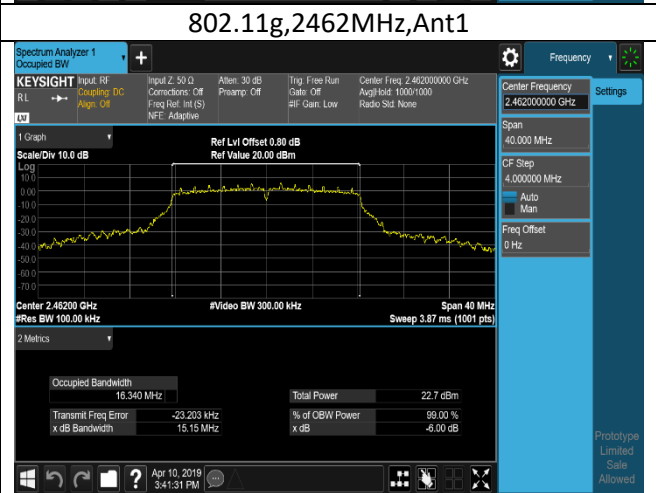
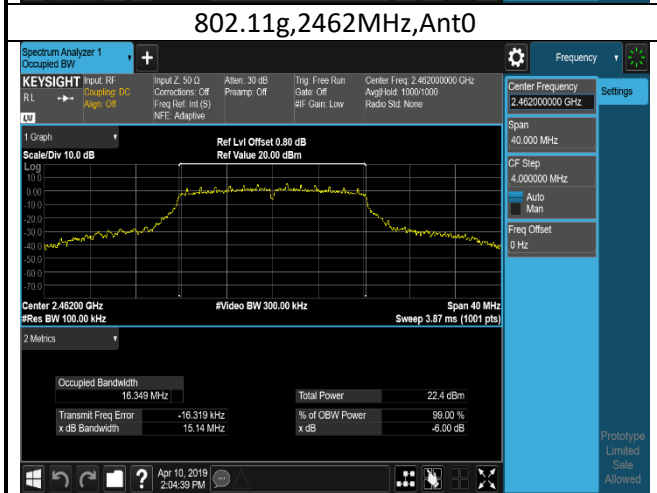
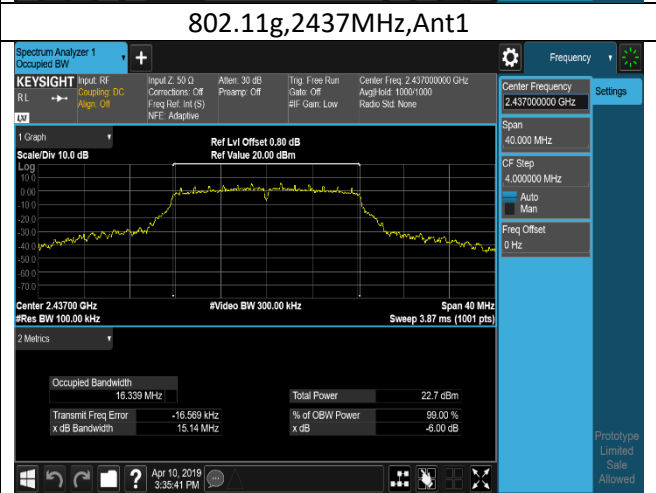
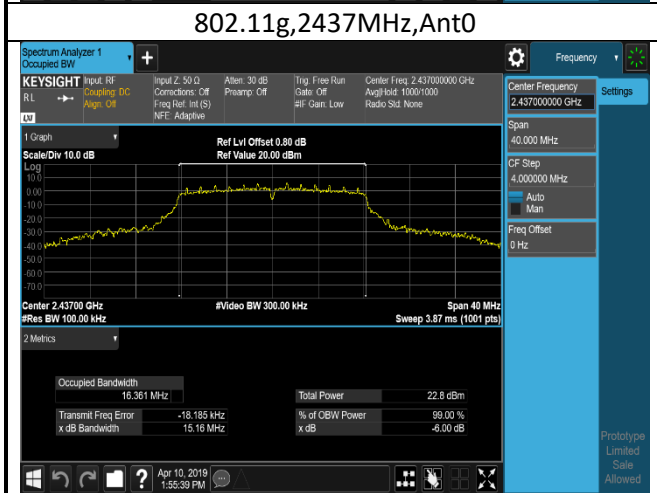
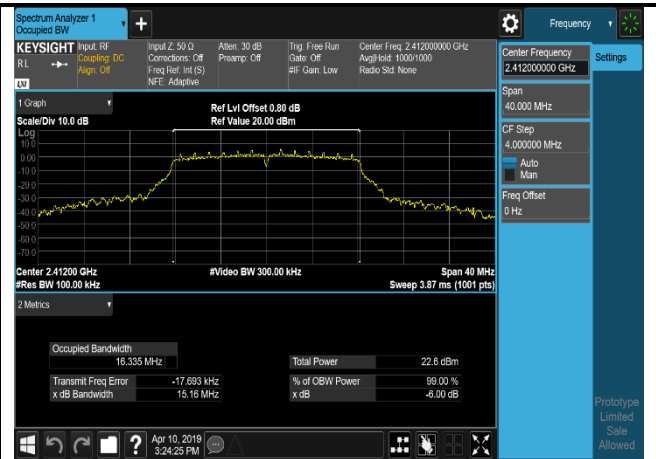
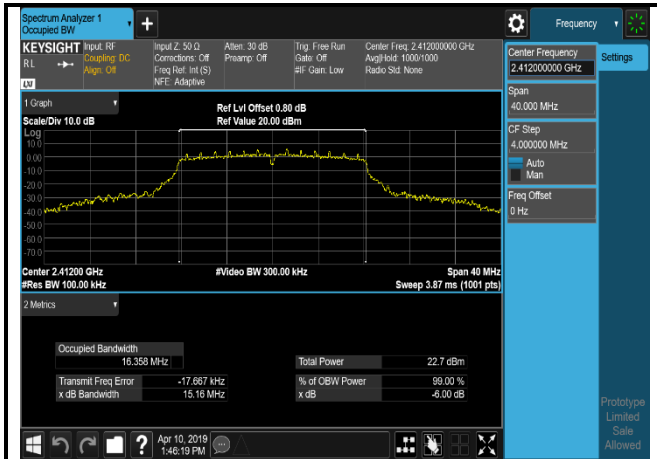
2. Minimum 6dB bandwidth

2.1 Test Data

WLAN Occupied 6dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	9.11	Pass
802.11b	2412	Ant1	9.58	Pass
802.11b	2437	Ant0	9.11	Pass
802.11b	2437	Ant1	9.12	Pass
802.11b	2462	Ant0	9.11	Pass
802.11b	2462	Ant1	9.10	Pass
802.11g	2412	Ant0	15.16	Pass
802.11g	2412	Ant1	15.16	Pass
802.11g	2437	Ant0	15.16	Pass
802.11g	2437	Ant1	15.14	Pass
802.11g	2462	Ant0	15.14	Pass
802.11g	2462	Ant1	15.15	Pass
802.11n (HT20)	2412	Ant0	15.16	Pass
802.11n (HT20)	2412	Ant1	15.15	Pass
802.11n (HT20)	2437	Ant0	15.14	Pass
802.11n (HT20)	2437	Ant1	15.16	Pass
802.11n (HT20)	2462	Ant0	15.15	Pass
802.11n (HT20)	2462	Ant1	15.16	Pass
802.11n (HT40)	2422	Ant0	35.21	Pass
802.11n (HT40)	2422	Ant1	35.21	Pass
802.11n (HT40)	2437	Ant0	35.20	Pass
802.11n (HT40)	2437	Ant1	35.21	Pass
802.11n (HT40)	2452	Ant0	35.21	Pass
802.11n (HT40)	2452	Ant1	35.21	Pass

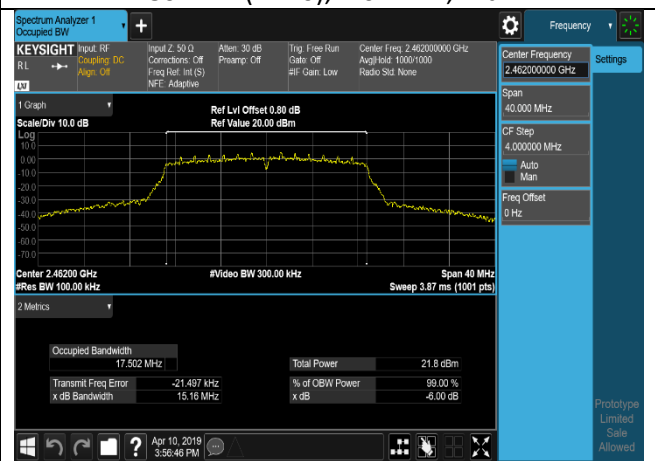
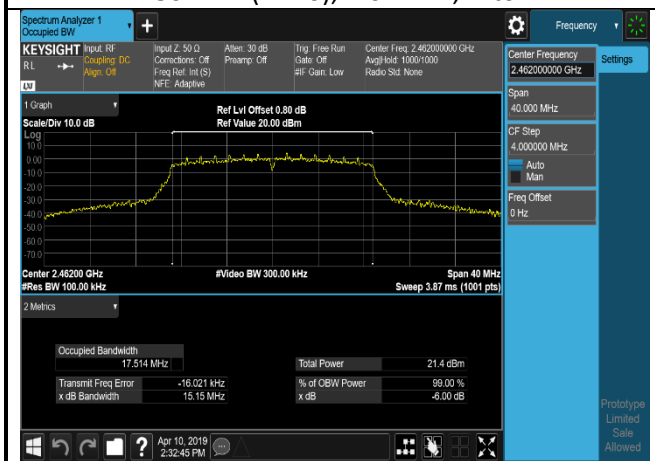
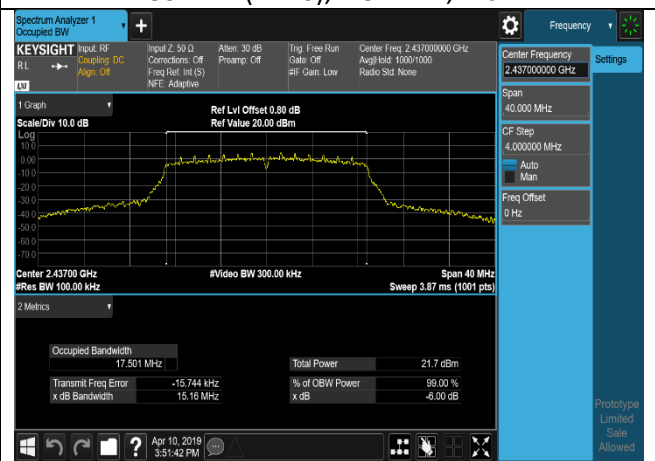
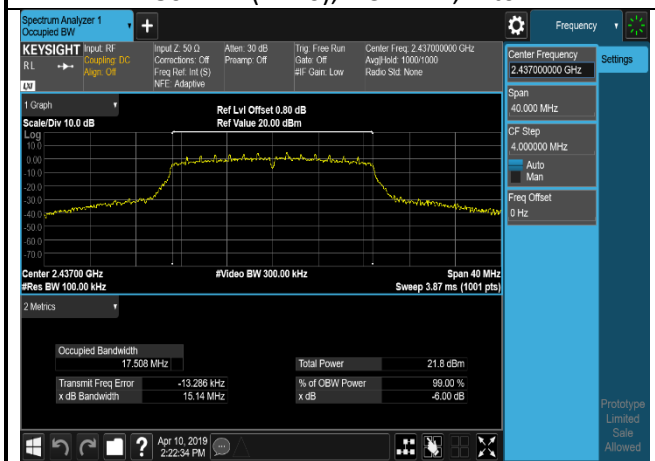
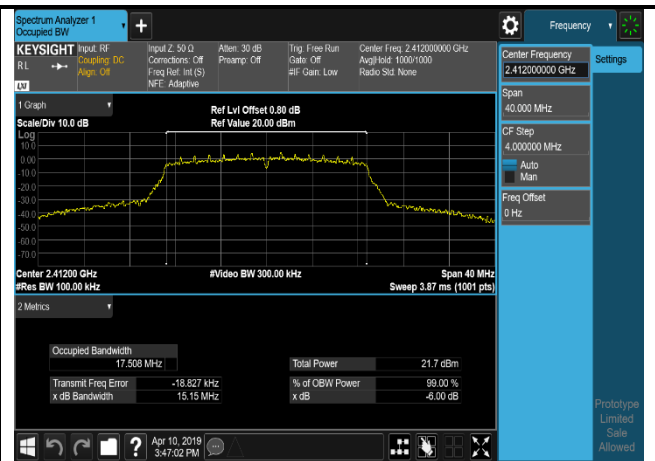
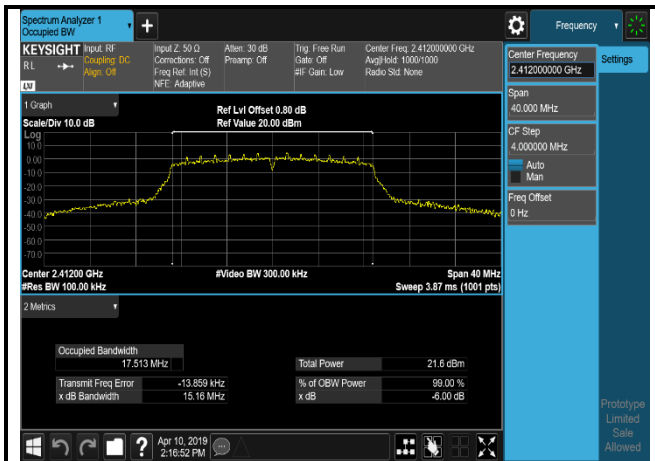
2.2 Test Plots

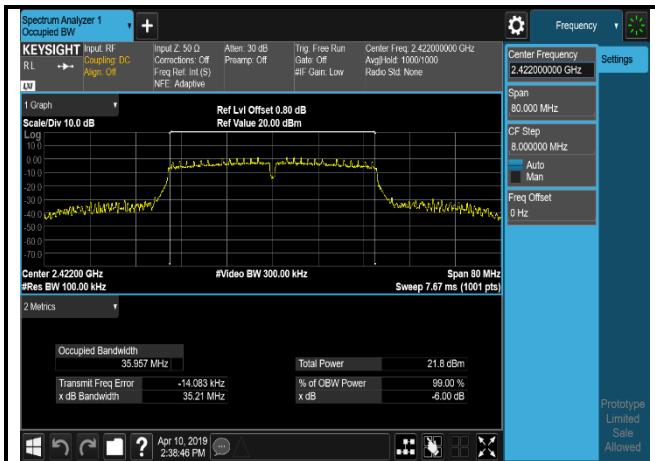




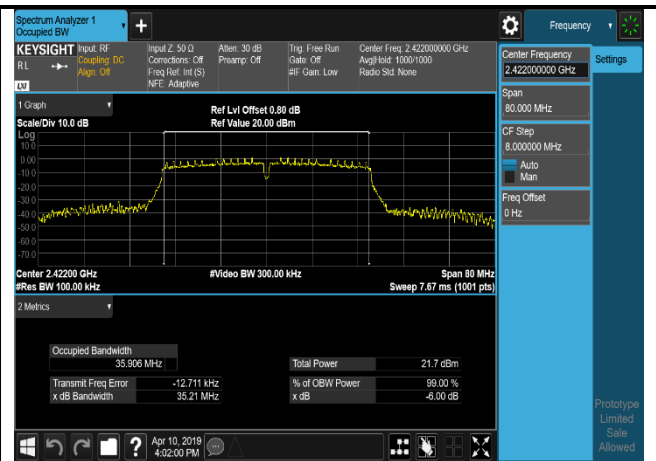
802.11n(HT20), 2412MHz, Ant0

802.11n(HT20), 2412MHz, Ant1

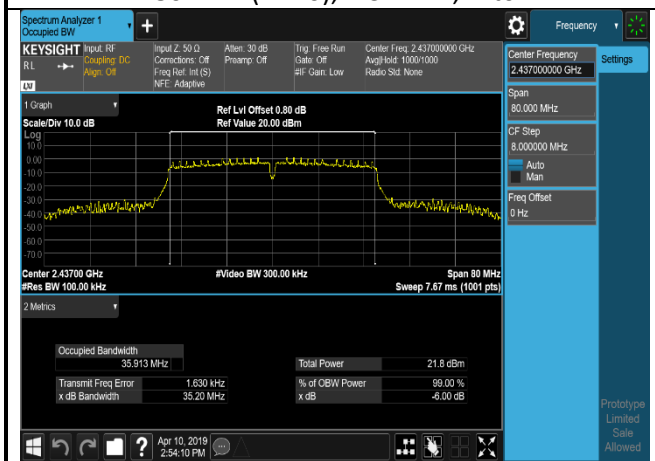




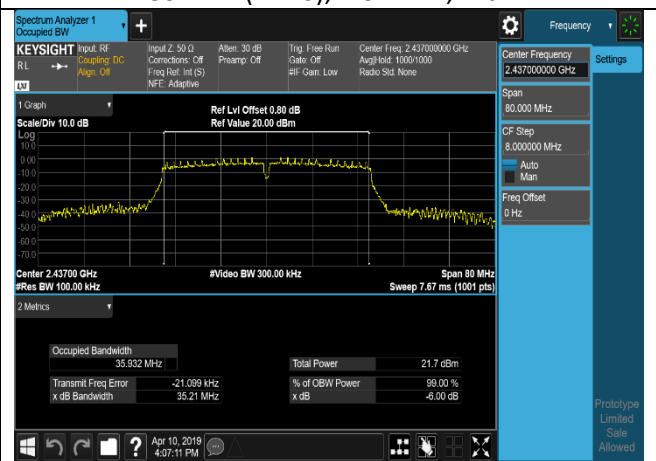
802.11n(HT40),2437MHz,Ant0



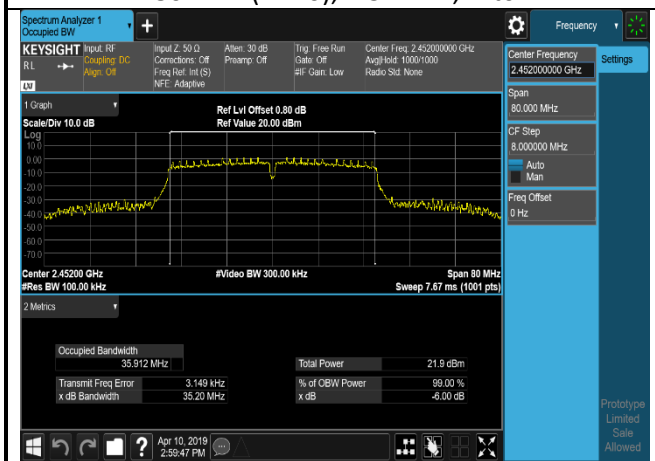
802.11n(HT40),2437MHz,Ant1



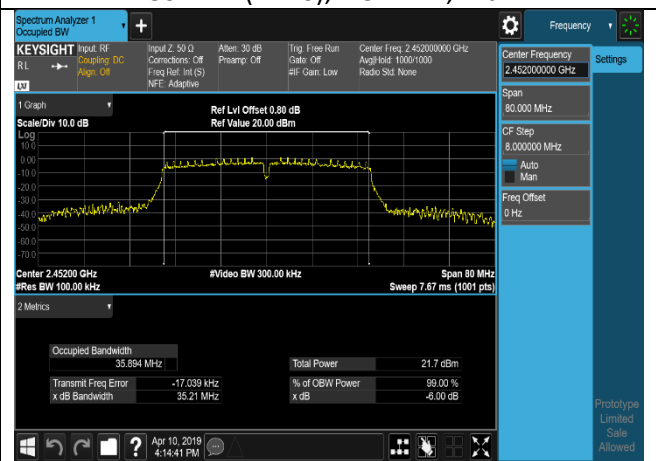
802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1



802.11n(HT40),2452MHz,Ant0



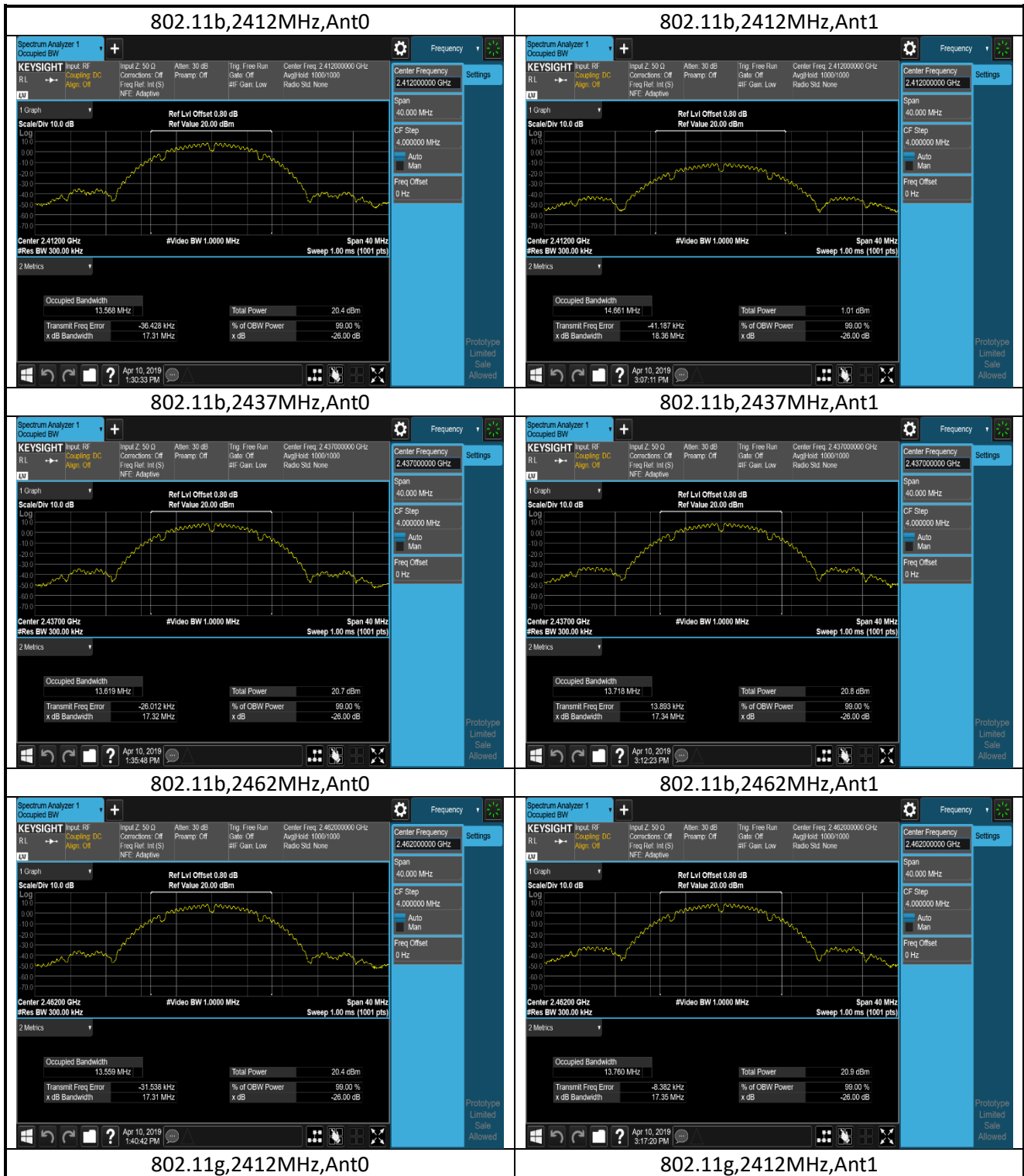
802.11n(HT40),2452MHz,Ant1

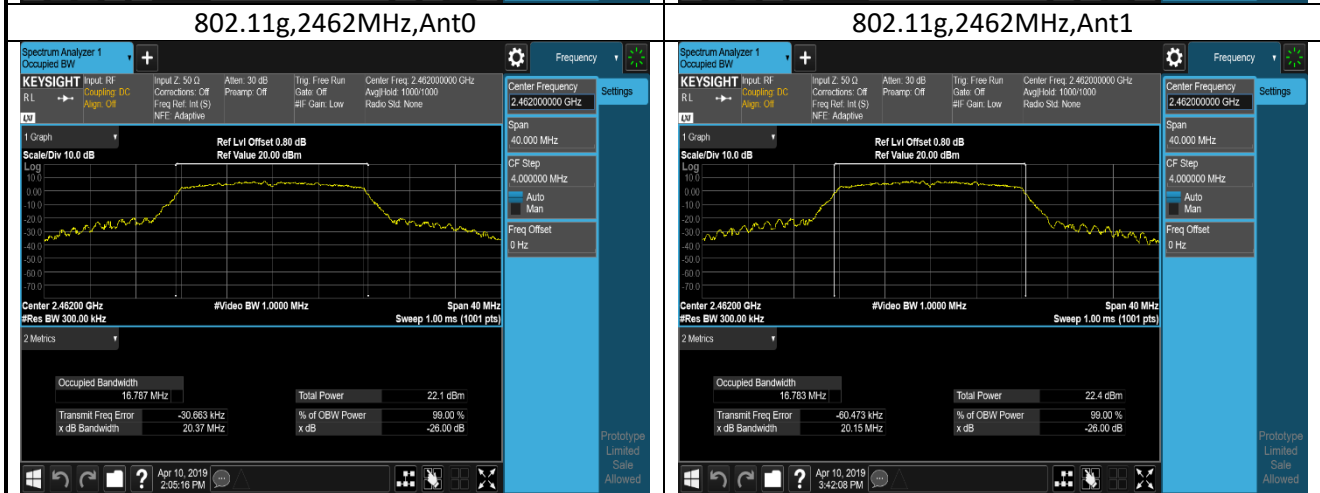
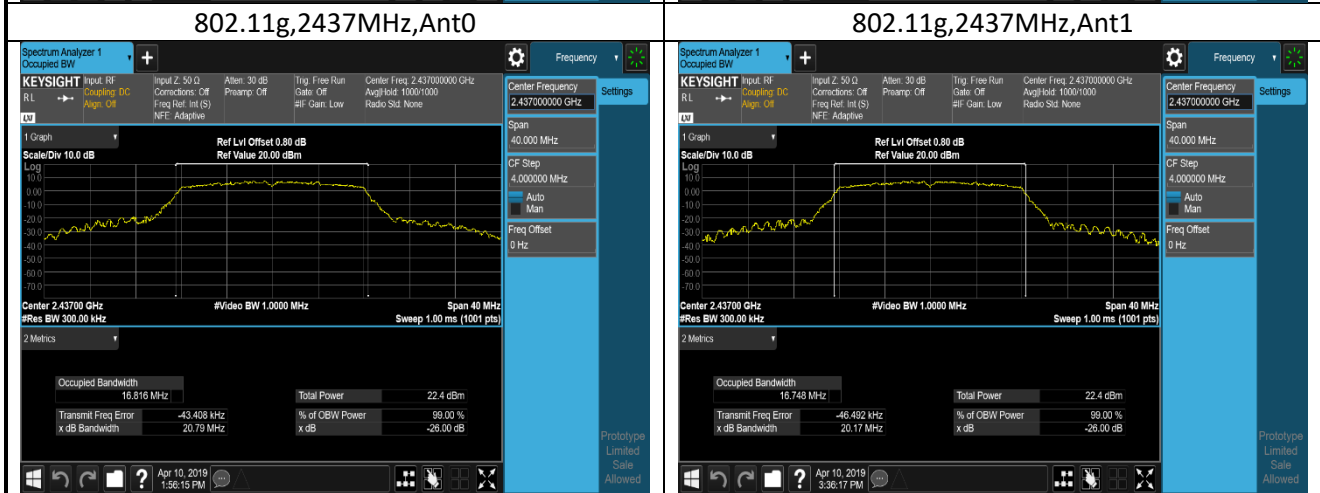
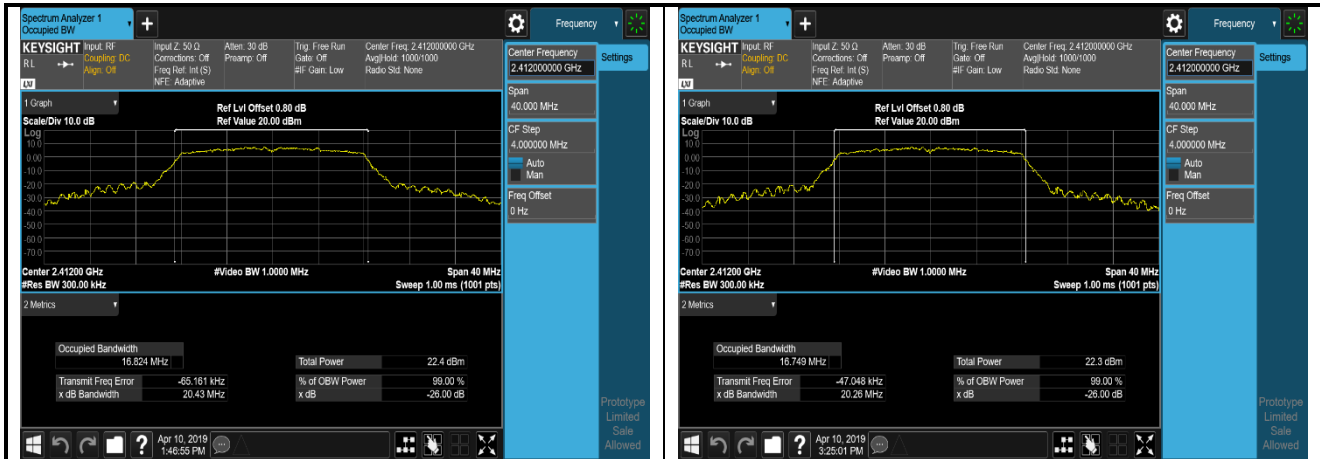
3. Occupied Bandwidth

3.1 Test Data

WLAN 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	13.568	Pass
802.11b	2412	Ant1	14.661	Pass
802.11b	2437	Ant0	13.619	Pass
802.11b	2437	Ant1	13.718	Pass
802.11b	2462	Ant0	13.559	Pass
802.11b	2462	Ant1	13.760	Pass
802.11g	2412	Ant0	16.824	Pass
802.11g	2412	Ant1	16.749	Pass
802.11g	2437	Ant0	16.816	Pass
802.11g	2437	Ant1	16.748	Pass
802.11g	2462	Ant0	16.787	Pass
802.11g	2462	Ant1	16.783	Pass
802.11n (HT20)	2412	Ant0	17.707	Pass
802.11n (HT20)	2412	Ant1	17.685	Pass
802.11n (HT20)	2437	Ant0	17.715	Pass
802.11n (HT20)	2437	Ant1	17.677	Pass
802.11n (HT20)	2462	Ant0	17.700	Pass
802.11n (HT20)	2462	Ant1	17.681	Pass
802.11n (HT40)	2422	Ant0	36.459	Pass
802.11n (HT40)	2422	Ant1	36.397	Pass
802.11n (HT40)	2437	Ant0	36.475	Pass
802.11n (HT40)	2437	Ant1	36.364	Pass
802.11n (HT40)	2452	Ant0	36.459	Pass
802.11n (HT40)	2452	Ant1	36.346	Pass

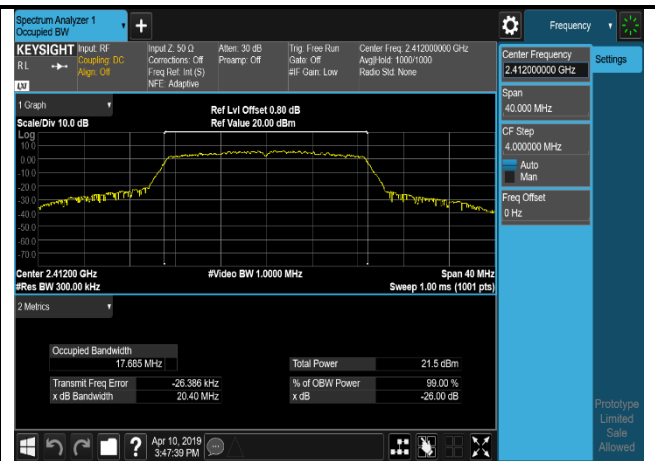
3.2 Test Plots







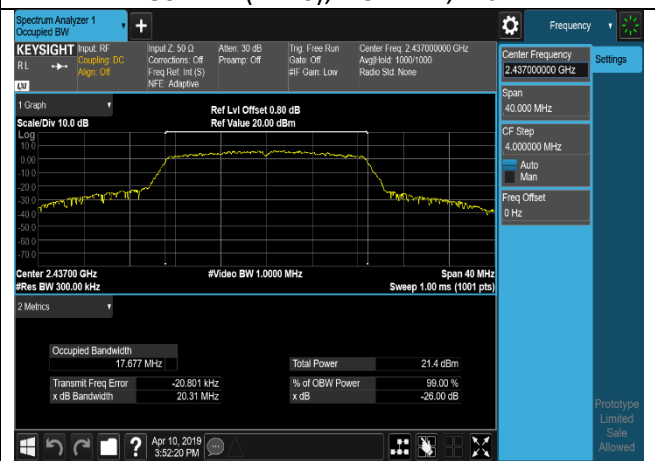
802.11n(HT20),2437MHz,Ant0



802.11n(HT20),2437MHz,Ant1



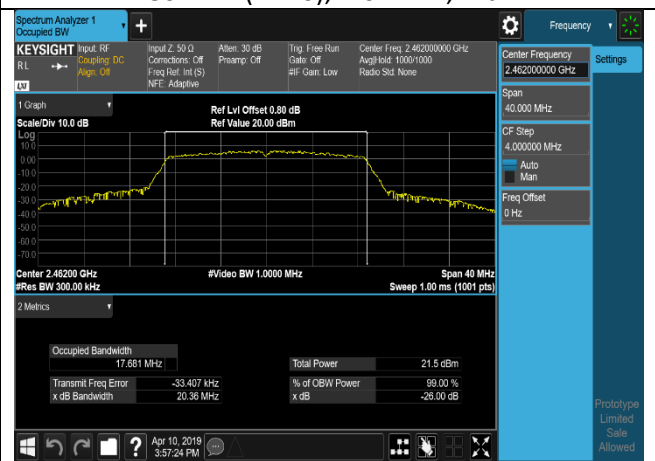
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1



802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2422MHz,Ant1