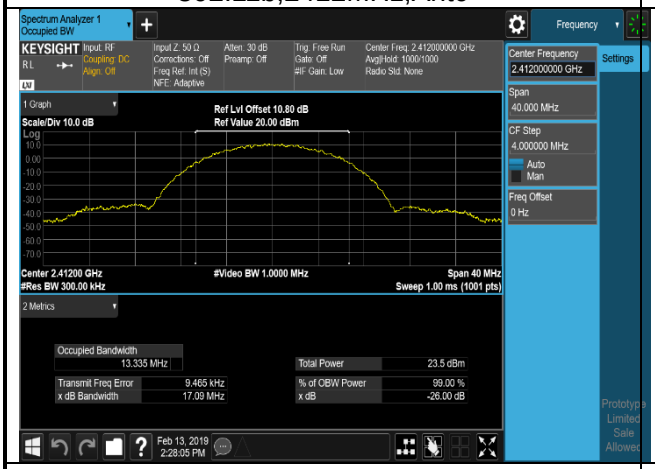
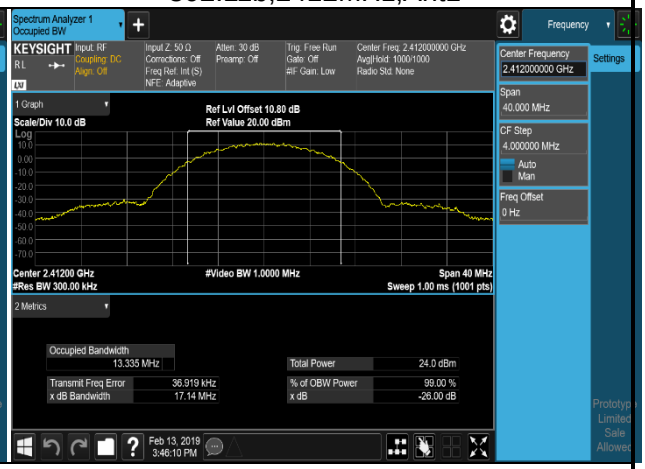
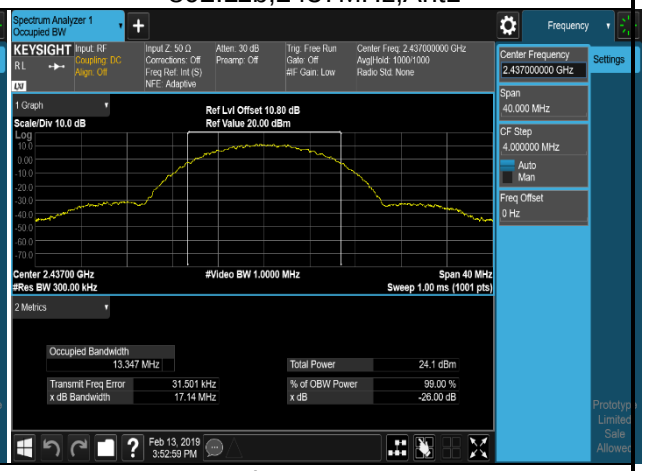
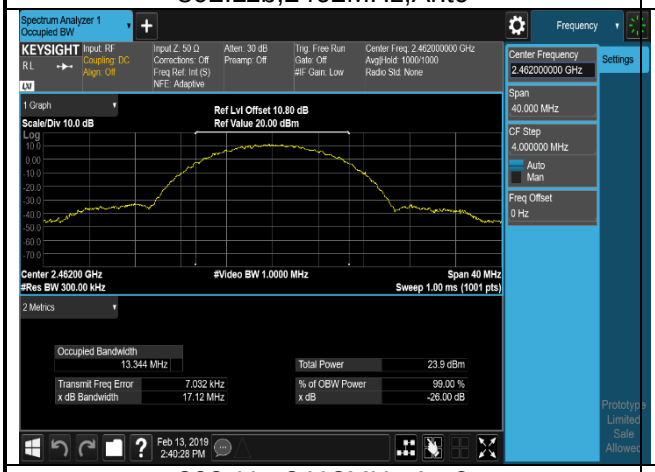
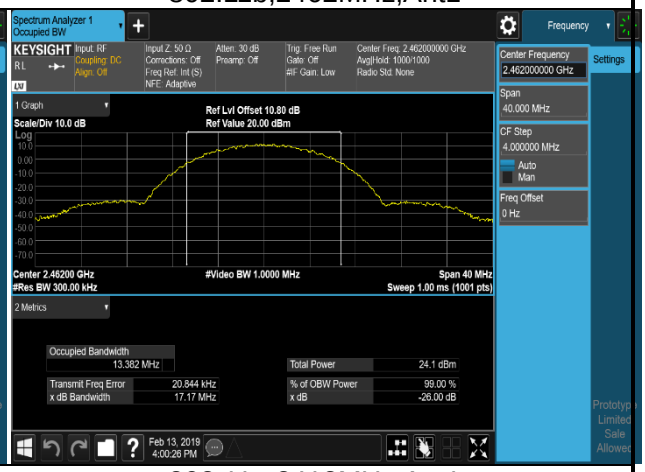
3. Occupied Bandwidth

3.1 Test Data

WLAN 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	13.335	Pass
802.11b	2412	Ant1	13.335	Pass
802.11b	2437	Ant0	13.324	Pass
802.11b	2437	Ant1	13.347	Pass
802.11b	2462	Ant0	13.344	Pass
802.11b	2462	Ant1	13.382	Pass
802.11g	2412	Ant0	16.750	Pass
802.11g	2412	Ant1	16.704	Pass
802.11g	2437	Ant0	16.783	Pass
802.11g	2437	Ant1	16.741	Pass
802.11g	2462	Ant0	16.782	Pass
802.11g	2462	Ant1	16.757	Pass
802.11n (HT20)	2412	Ant0	17.688	Pass
802.11n (HT20)	2412	Ant1	17.662	Pass
802.11n (HT20)	2437	Ant0	17.703	Pass
802.11n (HT20)	2437	Ant1	17.668	Pass
802.11n (HT20)	2462	Ant0	17.690	Pass
802.11n (HT20)	2462	Ant1	17.663	Pass
802.11n (HT40)	2422	Ant0	36.361	Pass
802.11n (HT40)	2422	Ant1	36.305	Pass
802.11n (HT40)	2437	Ant0	36.407	Pass
802.11n (HT40)	2437	Ant1	36.339	Pass
802.11n (HT40)	2452	Ant0	36.437	Pass
802.11n (HT40)	2452	Ant1	36.347	Pass

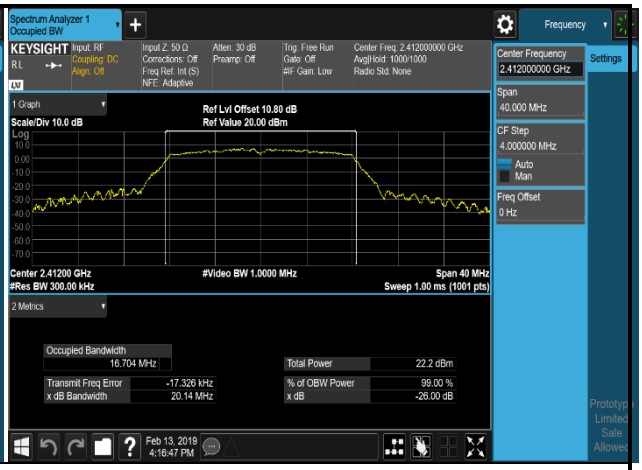
TEST REPORT

3.2 Test Plots

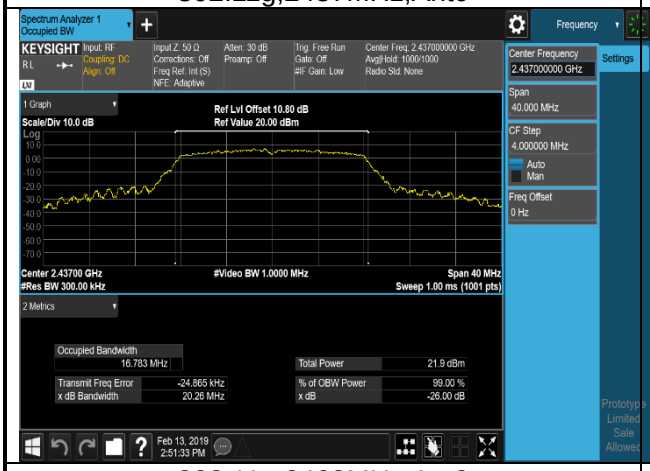
802.11b,2412MHz,Ant0	802.11b,2412MHz,Ant1
	
802.11b,2437MHz,Ant0	802.11b,2437MHz,Ant1
	
802.11b,2462MHz,Ant0	802.11b,2462MHz,Ant1
	
802.11g,2412MHz,Ant0	802.11g,2412MHz,Ant1

TEST REPORT

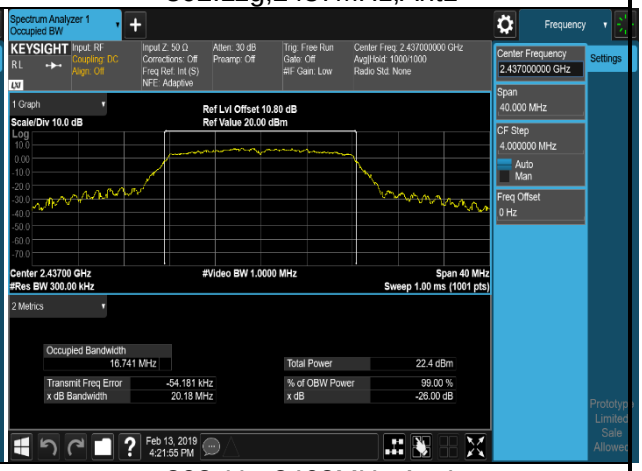
802.11g,2437MHz,Ant0



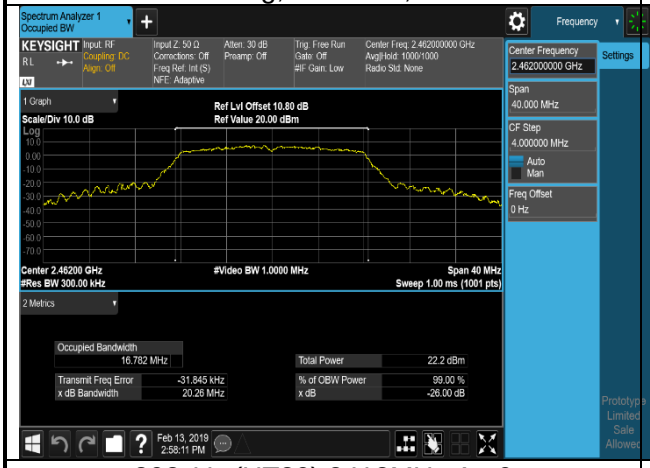
802.11g,2437MHz,Ant1



802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

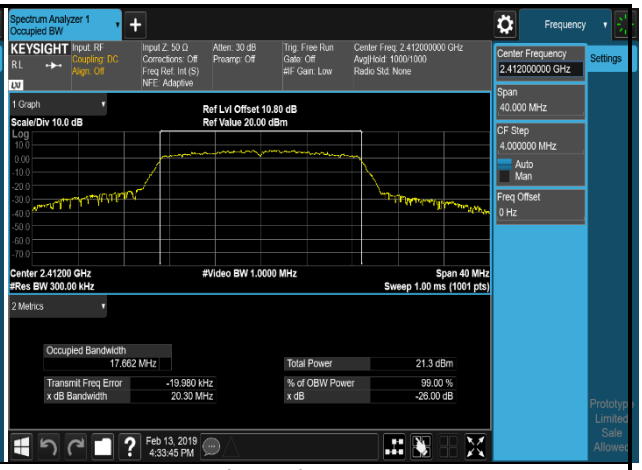


802.11n(HT20),2412MHz,Ant0

802.11n(HT20),2412MHz,Ant1

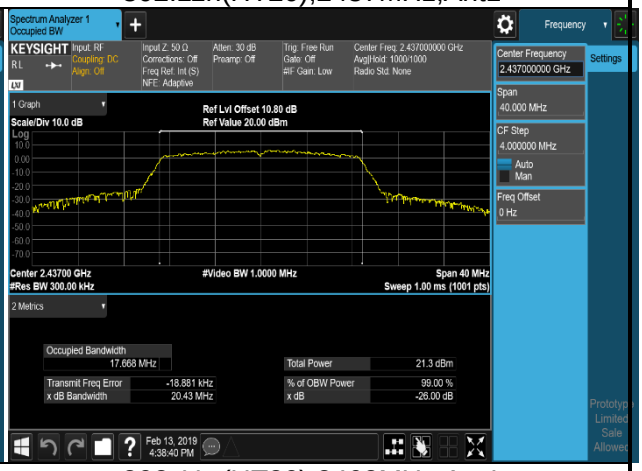
TEST REPORT

802.11n(HT20),2437MHz,Ant0



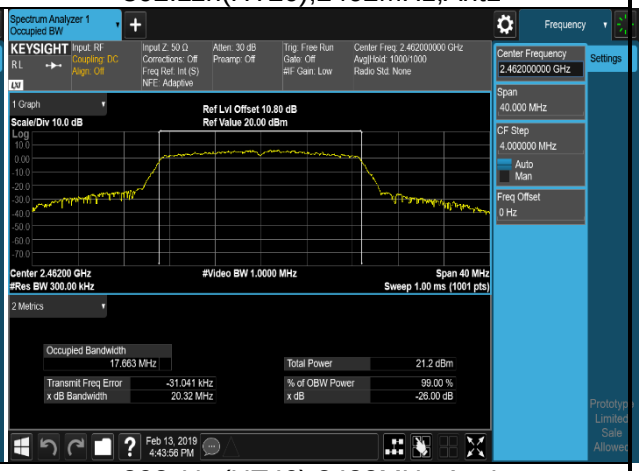
802.11n(HT20),2437MHz,Ant1

802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1

802.11n(HT40),2422MHz,Ant0

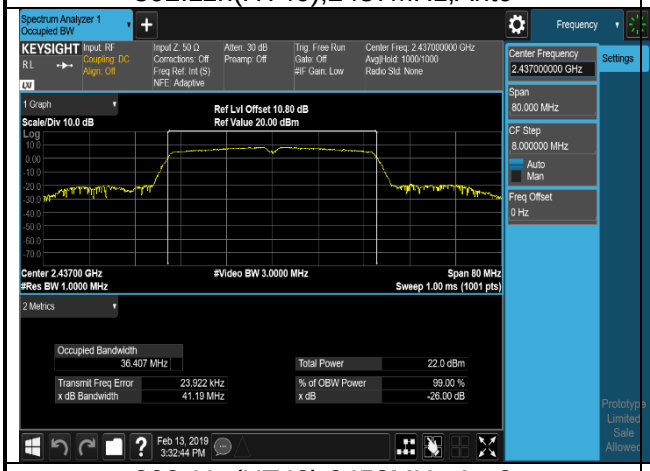


802.11n(HT40),2422MHz,Ant1

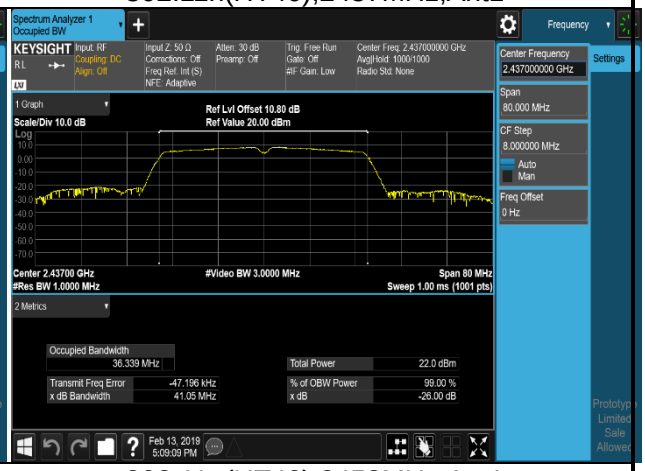
TEST REPORT

802.11n(HT40),2437MHz,Ant0

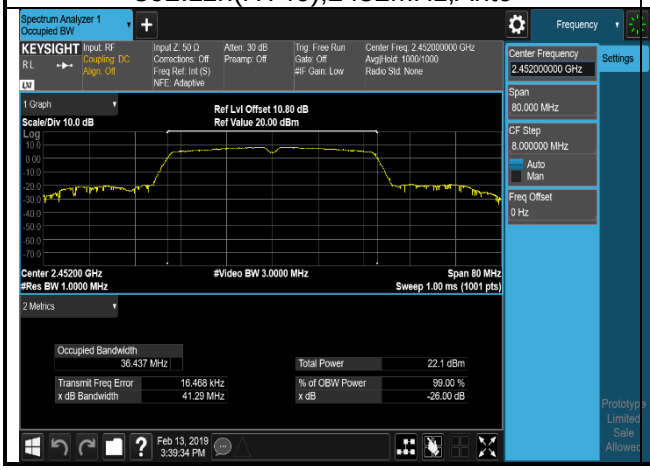
802.11n(HT40),2437MHz,Ant1

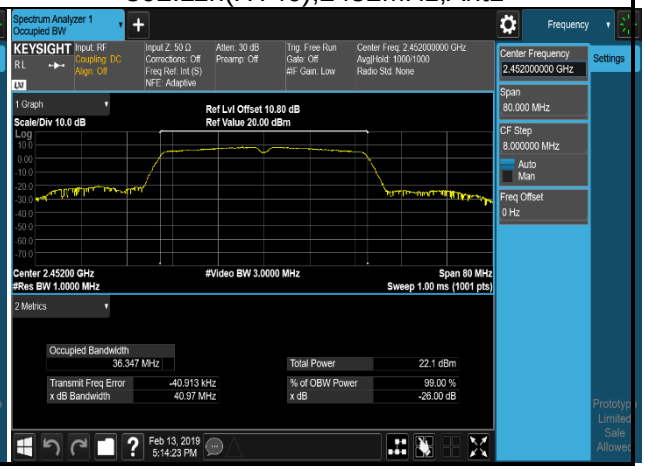


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





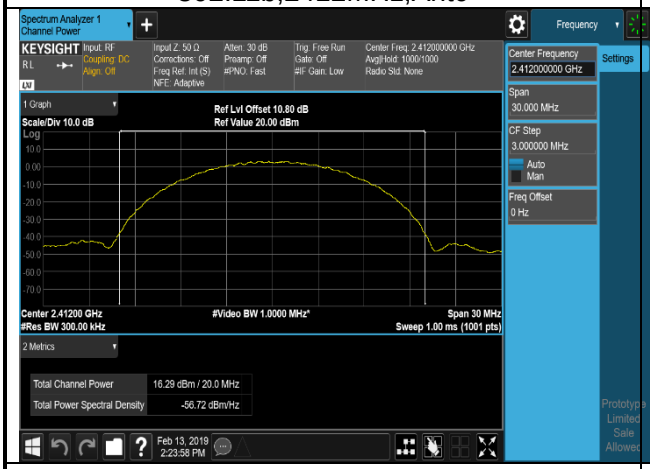
4. Maximum conducted output power and e.i.r.p

4.1 Test Data

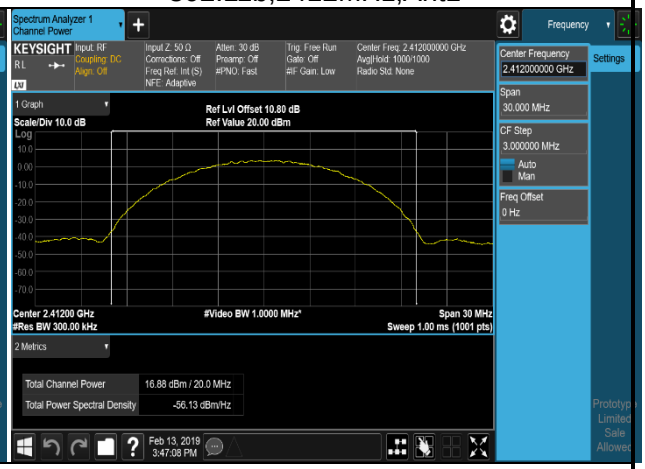
	WLAN AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Power (dBm)	Total or max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	0.15	16.44	16.44	30	18.59	Pass
802.11b	2412	Ant1	0.15	17.03	17.03	30	19.56	Pass
802.11b	2437	Ant0	0.15	16.72	16.72	30	18.87	Pass
802.11b	2437	Ant1	0.15	17.08	17.08	30	19.61	Pass
802.11b	2462	Ant0	0.15	16.96	16.96	30	19.11	Pass
802.11b	2462	Ant1	0.15	17.20	17.20	30	19.73	Pass
802.11g	2412	Ant0	0.11	15.07	15.07	30	17.22	Pass
802.11g	2412	Ant1	0.11	15.54	15.54	30	18.07	Pass
802.11g	2437	Ant0	0.11	15.34	15.34	30	17.49	Pass
802.11g	2437	Ant1	0.11	15.68	15.68	30	18.21	Pass
802.11g	2462	Ant0	0.11	15.46	15.46	30	17.61	Pass
802.11g	2462	Ant1	0.11	15.71	15.71	30	18.24	Pass
802.11n (HT20)	2412	Ant0	0.12	13.94	17.21	30	19.55	Pass
802.11n (HT20)	2412	Ant1	0.12	14.45				
802.11n (HT20)	2437	Ant0	0.12	14.10	17.29	30	19.63	Pass
802.11n (HT20)	2437	Ant1	0.12	14.45				
802.11n (HT20)	2462	Ant0	0.12	14.37	17.41	30	19.75	Pass
802.11n (HT20)	2462	Ant1	0.12	14.43				
802.11n (HT40)	2422	Ant0	0.23	13.89	17.07	30	19.41	Pass
802.11n (HT40)	2422	Ant1	0.23	14.22				
802.11n (HT40)	2437	Ant0	0.23	14.07	17.15	30	19.49	Pass
802.11n (HT40)	2437	Ant1	0.23	14.20				
802.11n (HT40)	2452	Ant0	0.23	14.30	17.29	30	19.63	Pass
802.11n (HT40)	2452	Ant1	0.23	14.26				

4.2 Test Plots

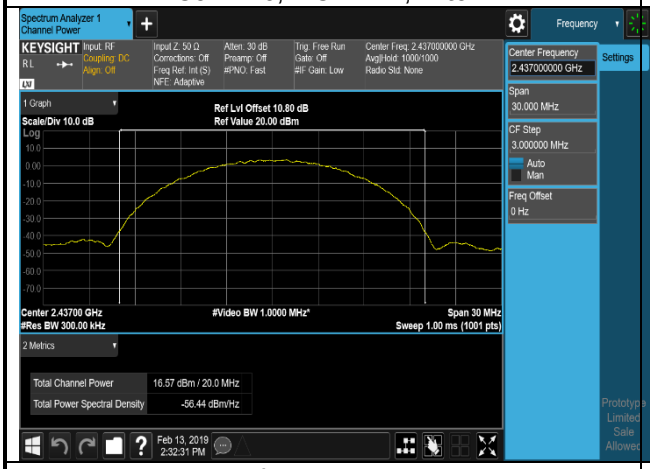
802.11b,2412MHz,Ant0



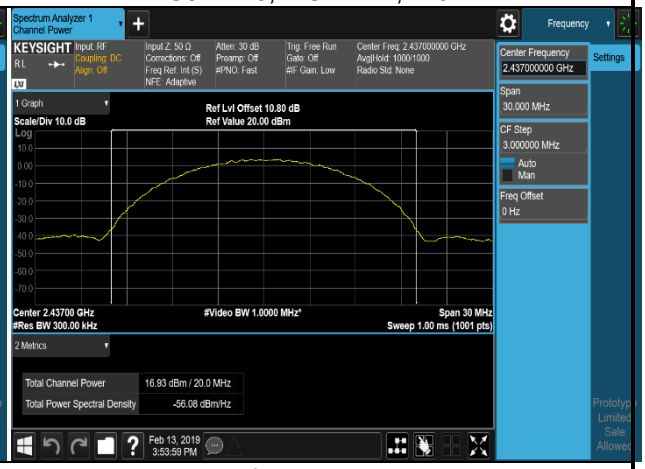
802.11b,2412MHz,Ant1



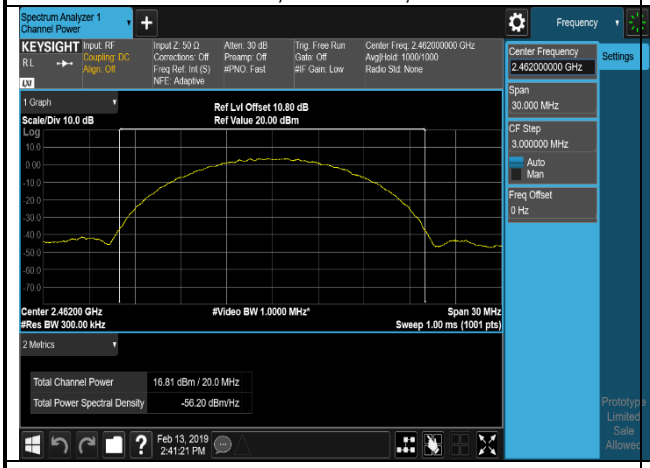
802.11b,2437MHz,Ant0



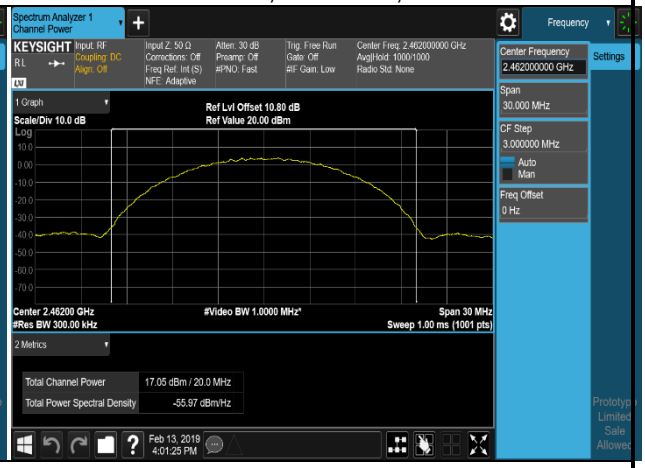
802.11b,2437MHz,Ant1



802.11b,2462MHz,Ant0



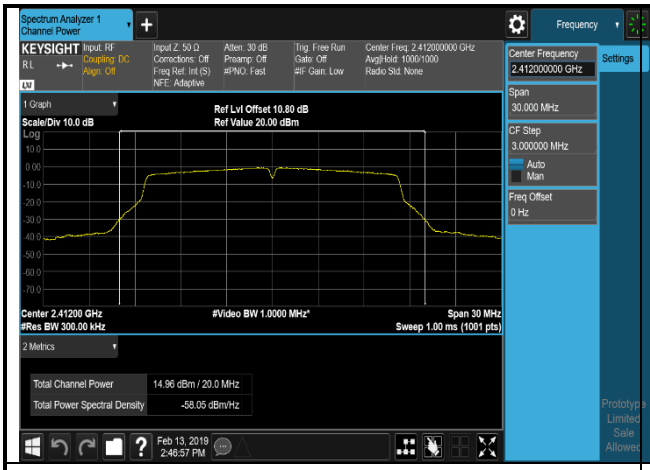
802.11b,2462MHz,Ant1



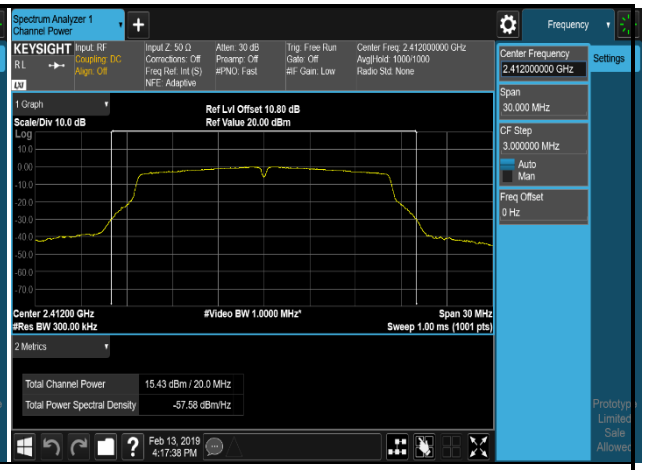
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

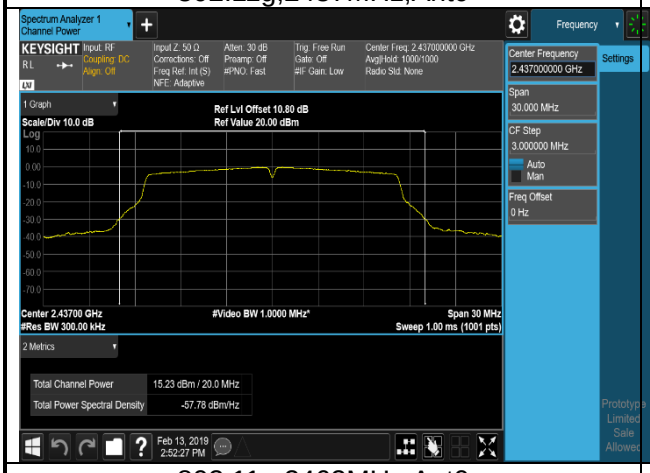
TEST REPORT



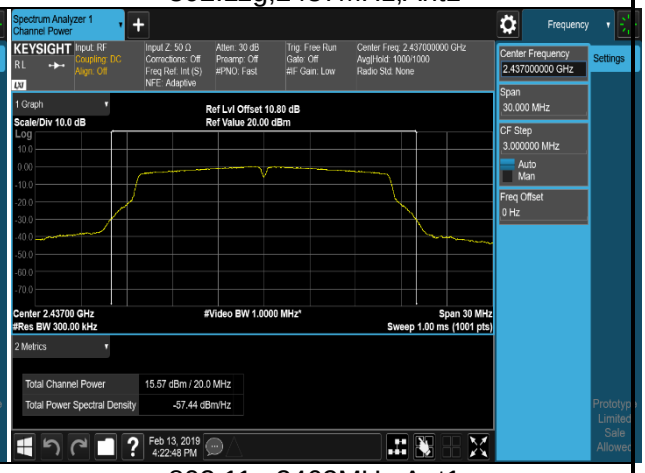
802.11g,2437MHz,Ant0



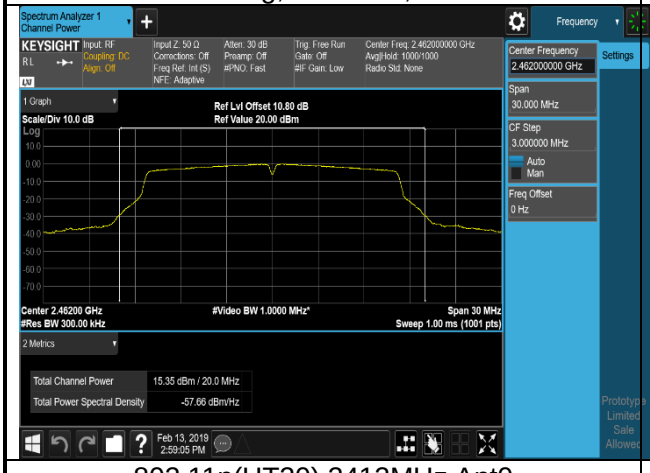
802.11g,2437MHz,Ant1



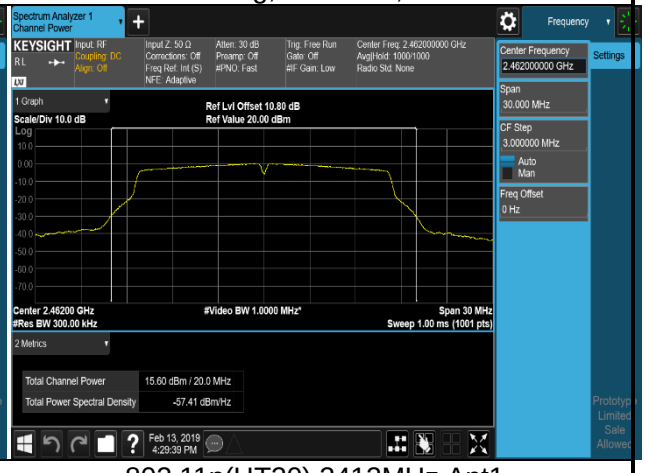
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

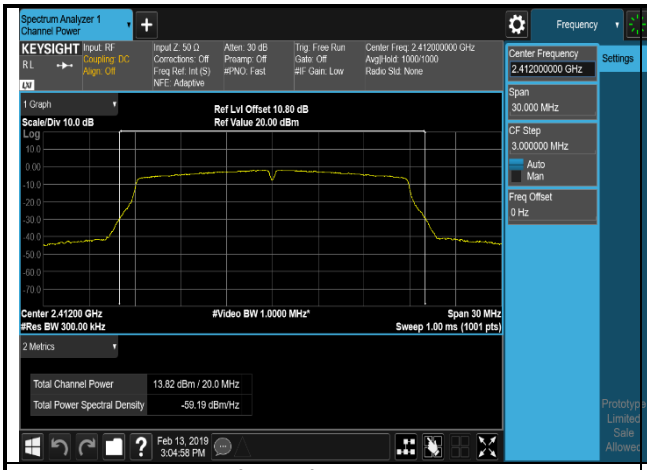


802.11n(HT20),2412MHz,Ant0

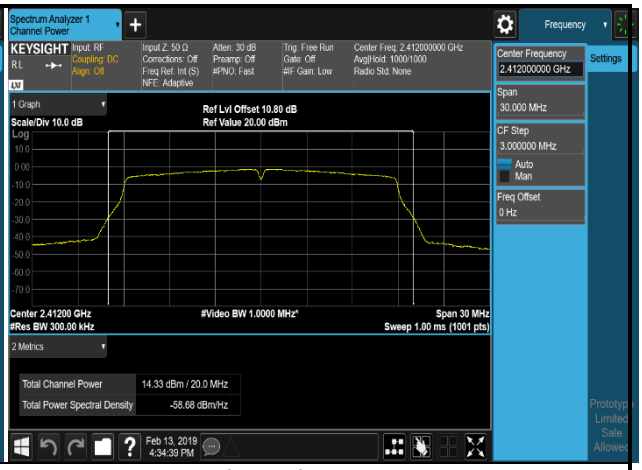


802.11n(HT20),2412MHz,Ant1

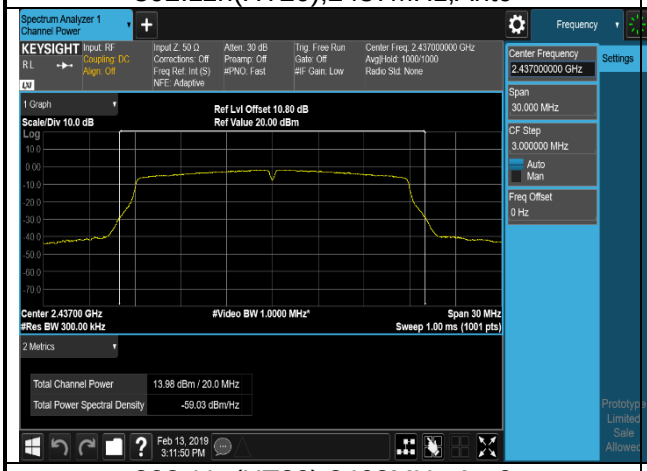
TEST REPORT



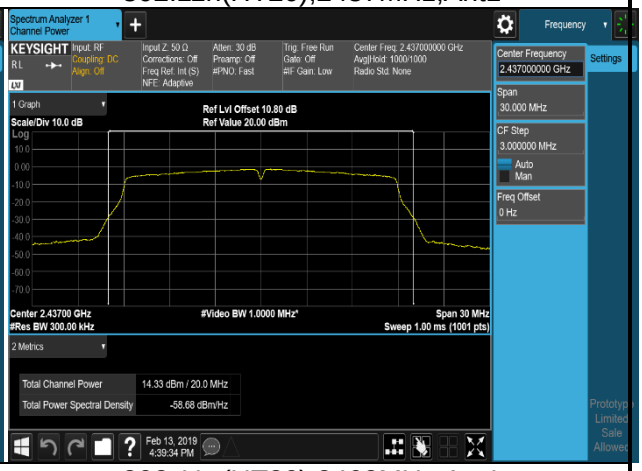
802.11n(HT20),2437MHz,Ant0



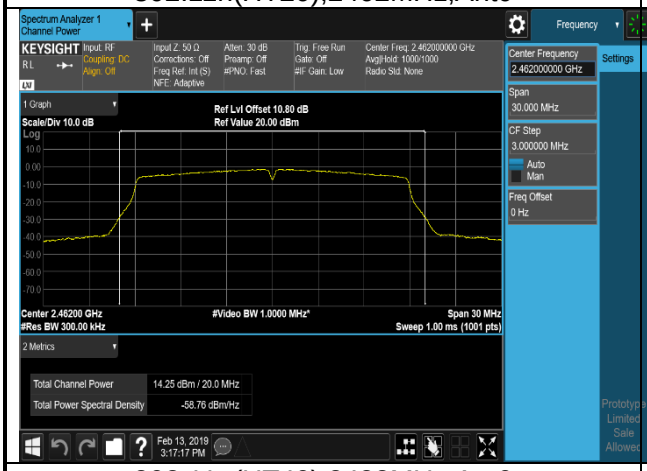
802.11n(HT20),2437MHz,Ant1



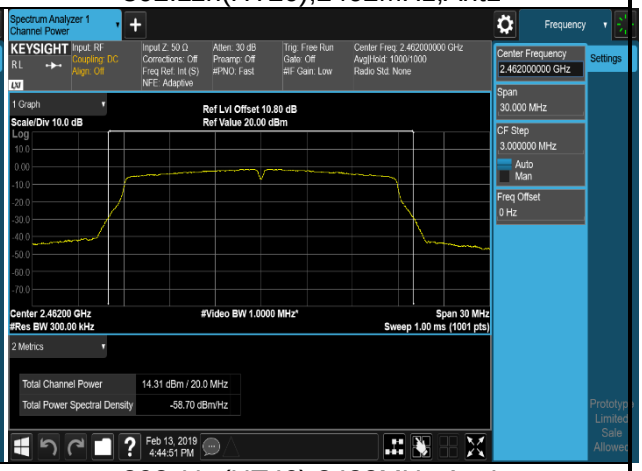
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1

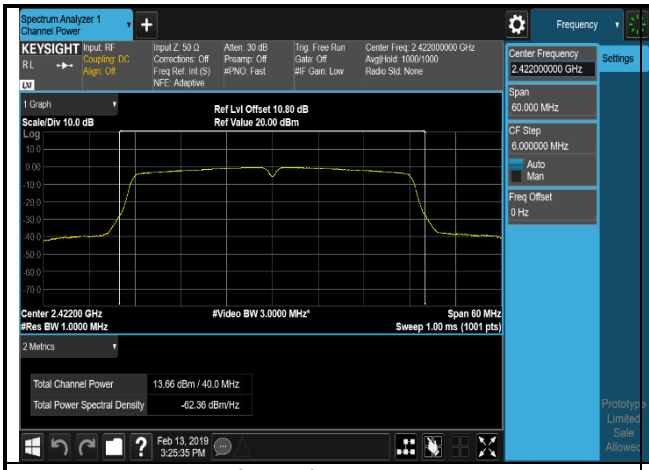


802.11n(HT40),2422MHz,Ant0

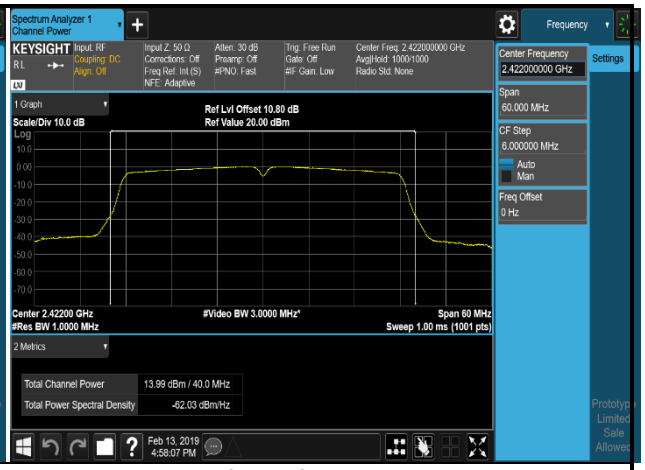


802.11n(HT40),2422MHz,Ant1

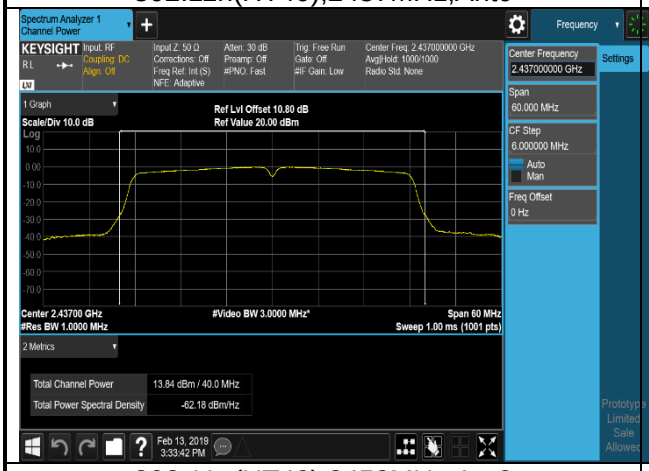
TEST REPORT



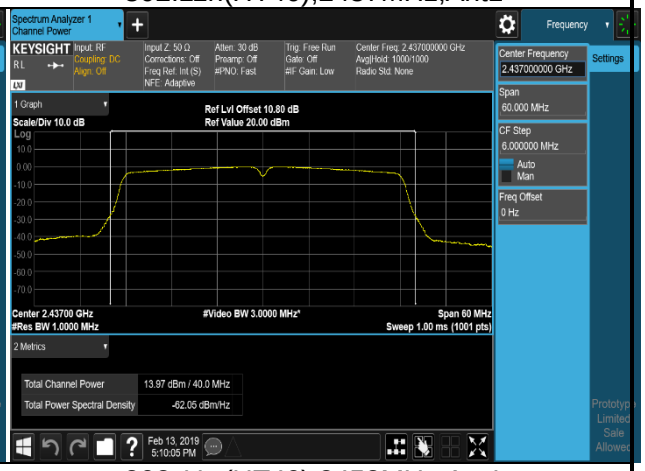
802.11n(HT40),2437MHz,Ant0



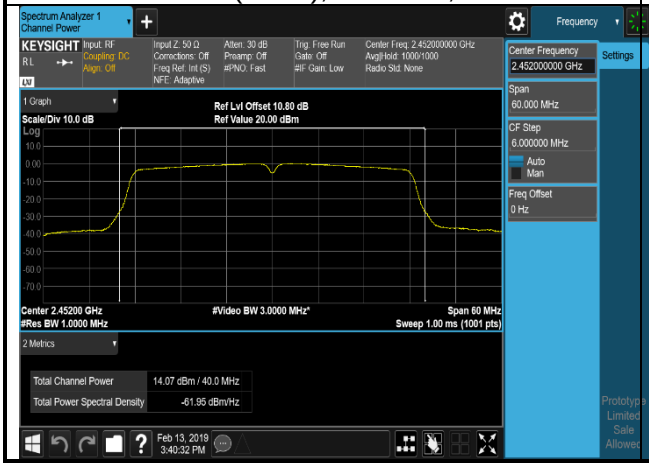
802.11n(HT40),2437MHz,Ant1

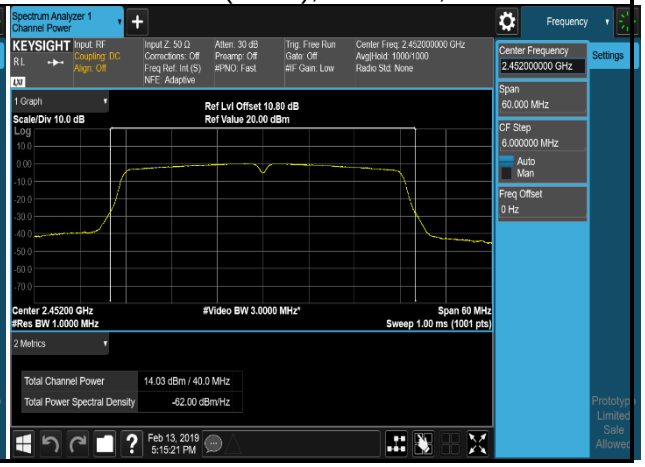


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





5. Power spectrum density

5.1 Test Data

	WLAN AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	Max or total PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11b	2412	Ant0	0.15	-0.265	-0.265	100	8	Pass
802.11b	2412	Ant1	0.15	0.296	0.296	100	8	Pass
802.11b	2437	Ant0	0.15	-0.078	-0.078	100	8	Pass
802.11b	2437	Ant1	0.15	0.300	0.300	100	8	Pass
802.11b	2462	Ant0	0.15	0.099	0.099	100	8	Pass
802.11b	2462	Ant1	0.15	0.463	0.463	100	8	Pass
802.11g	2412	Ant0	0.11	-4.125	-4.125	100	8	Pass
802.11g	2412	Ant1	0.11	-3.507	-3.507	100	8	Pass
802.11g	2437	Ant0	0.11	-3.913	-3.913	100	8	Pass
802.11g	2437	Ant1	0.11	-3.552	-3.552	100	8	Pass
802.11g	2462	Ant0	0.11	-3.803	-3.803	100	8	Pass
802.11g	2462	Ant1	0.11	-3.461	-3.461	100	8	Pass
802.11n (HT20)	2412	Ant0	0.12	-5.404	-2.159	100	8	Pass
802.11n (HT20)	2412	Ant1	0.12	-4.947				
802.11n (HT20)	2437	Ant0	0.12	-5.272	-2.079	100	8	Pass
802.11n (HT20)	2437	Ant1	0.12	-4.914				
802.11n (HT20)	2462	Ant0	0.12	-5.021	-1.917	100	8	Pass
802.11n (HT20)	2462	Ant1	0.12	-4.835				
802.11n (HT40)	2422	Ant0	0.23	-8.670	-5.560	100	8	Pass
802.11n (HT40)	2422	Ant1	0.23	-8.472				
802.11n (HT40)	2437	Ant0	0.23	-8.552	-5.473	100	8	Pass
802.11n (HT40)	2437	Ant1	0.23	-8.416				
802.11n (HT40)	2452	Ant0	0.23	-8.228	-5.227	100	8	Pass
802.11n (HT40)	2452	Ant1	0.23	-8.246				

Total Quality. Assured.

TEST REPORT

5.2 Test Plots

802.11b,2412MHz,Ant0

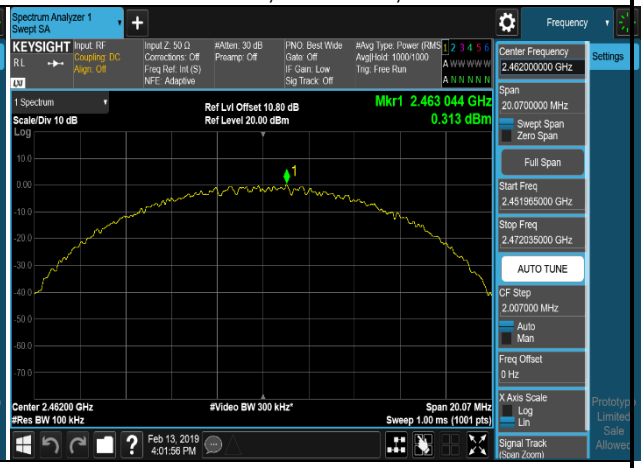
802.11b,2412MHz,Ant1

802.11b,2437MHz,Ant0

802.11b,2437MHz,Ant1

802.11b,2462MHz,Ant0

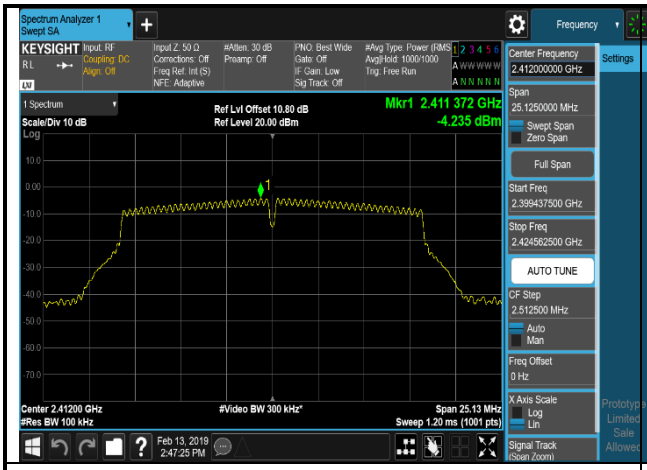
802.11b,2462MHz,Ant1



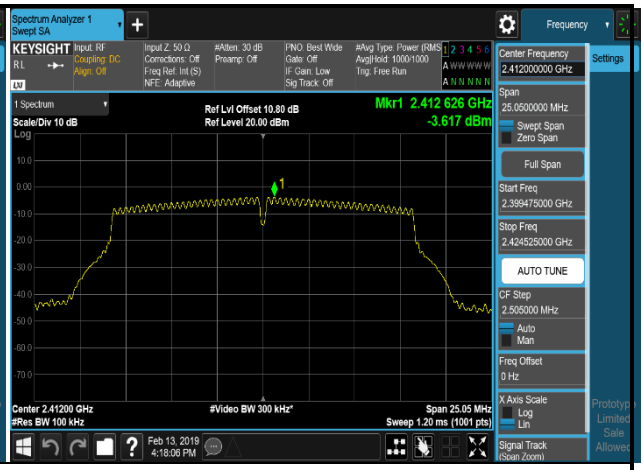
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

TEST REPORT

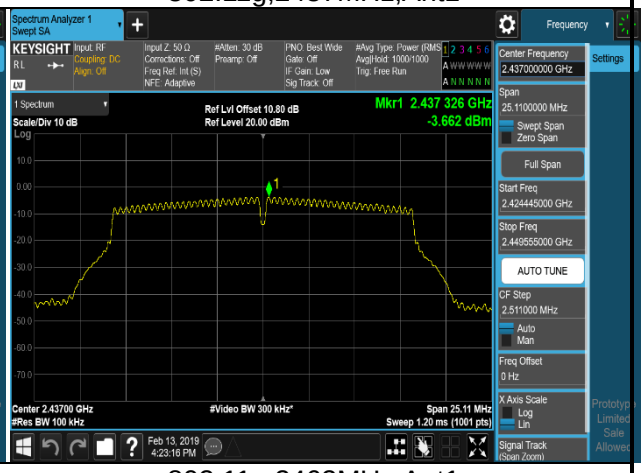


802.11g,2437MHz,Ant0

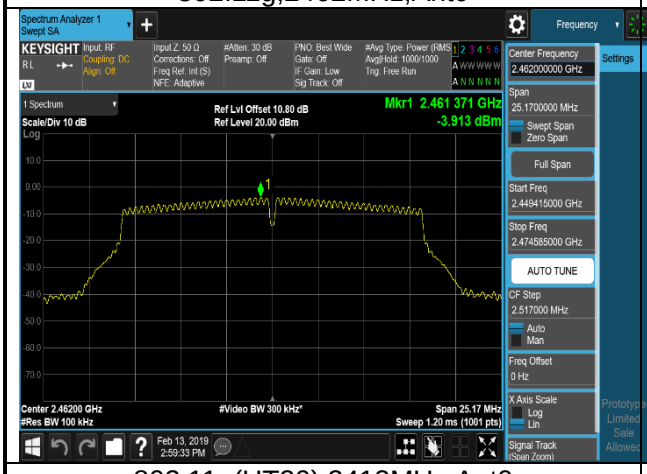


802.11g,2437MHz,Ant1

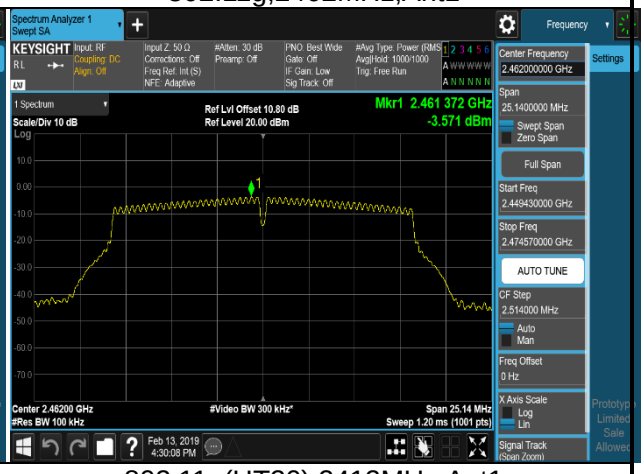
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

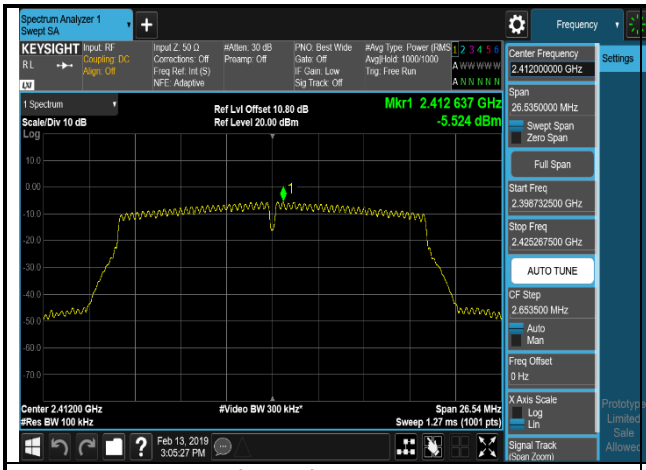


802.11n(HT20),2412MHz,Ant0

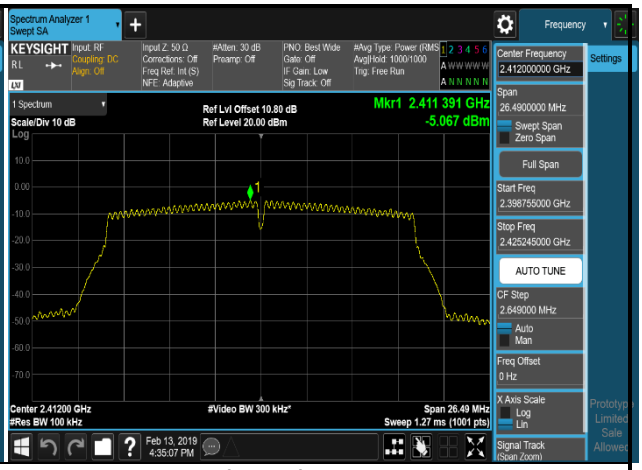


802.11n(HT20),2412MHz,Ant1

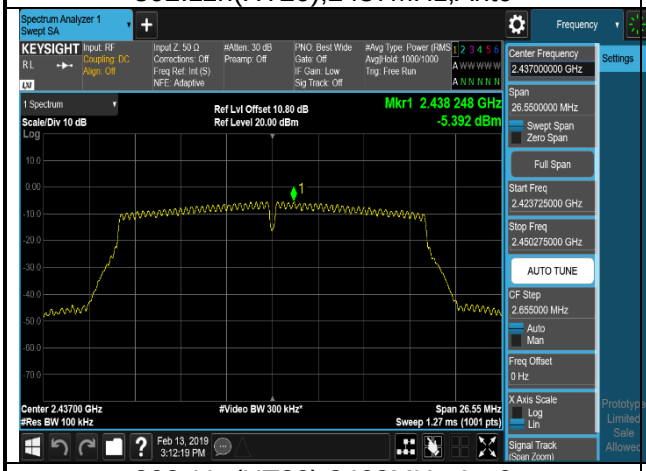
TEST REPORT



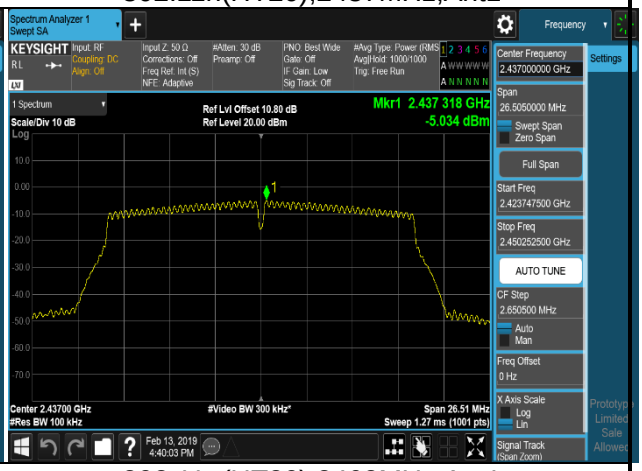
802.11n(HT20),2437MHz,Ant0



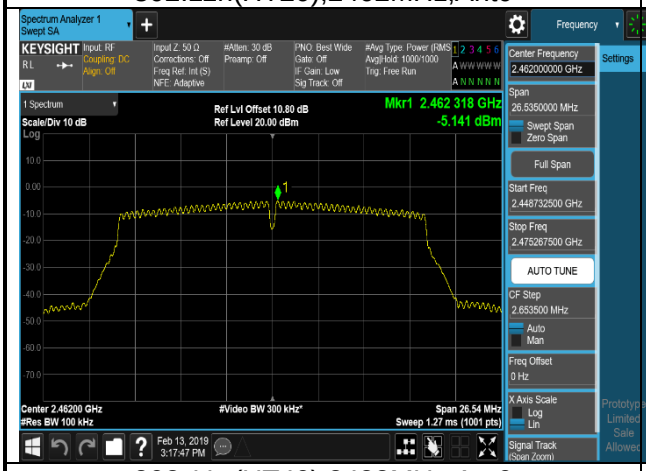
802.11n(HT20),2437MHz,Ant1



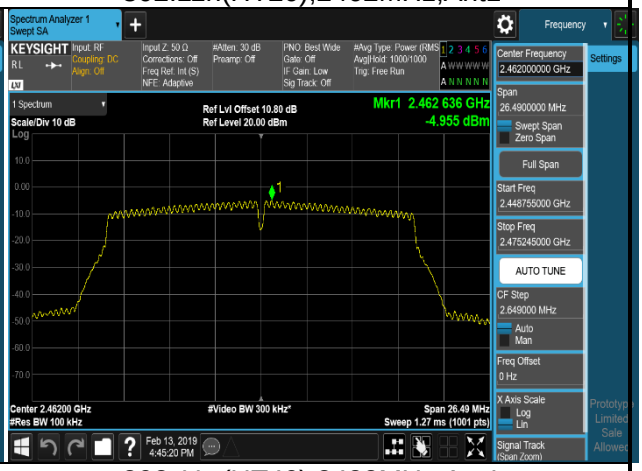
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1



802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2422MHz,Ant1