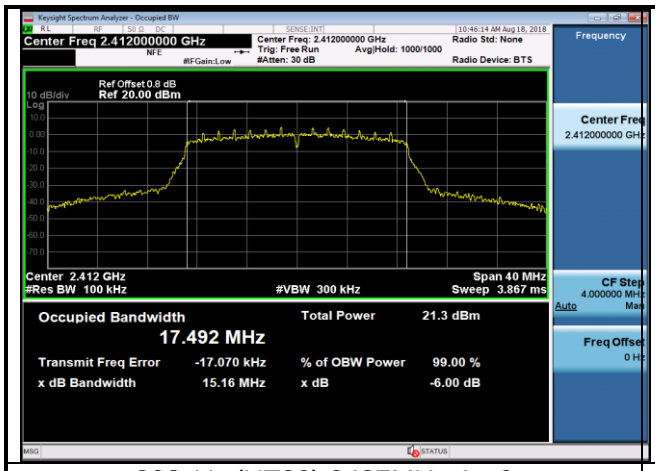
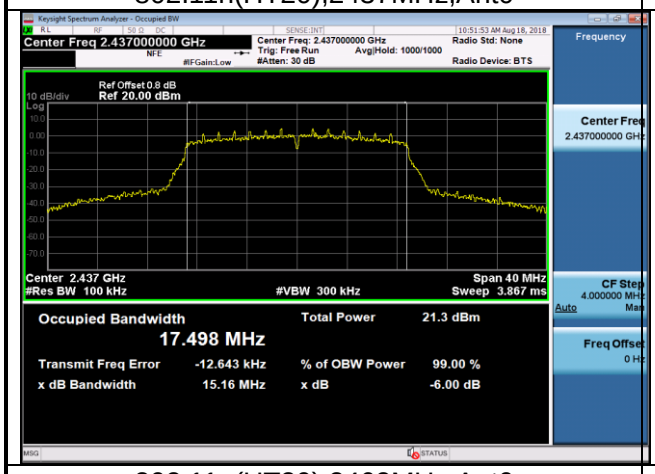
TEST REPORT

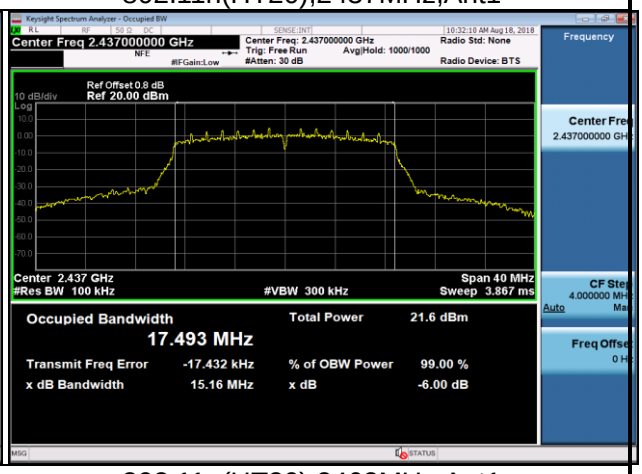


802.11n(HT20),2437MHz,Ant0

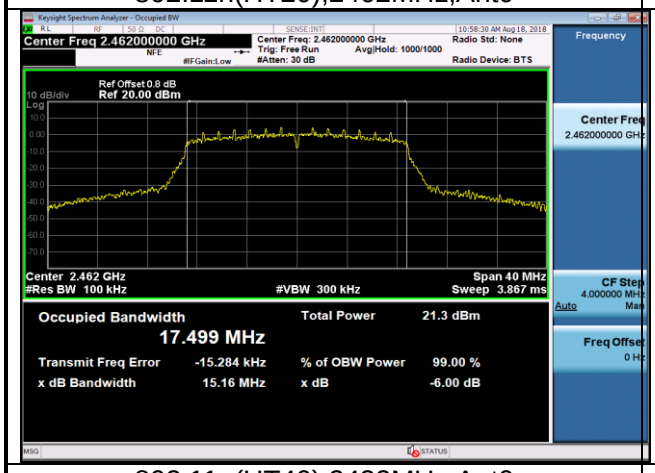
802.11n(HT20),2437MHz,Ant1



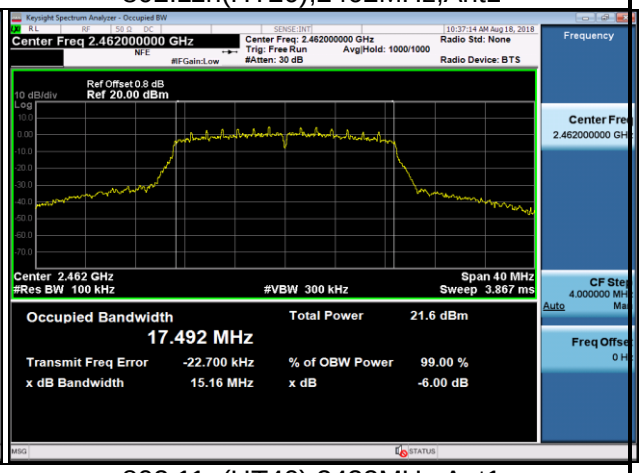
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1

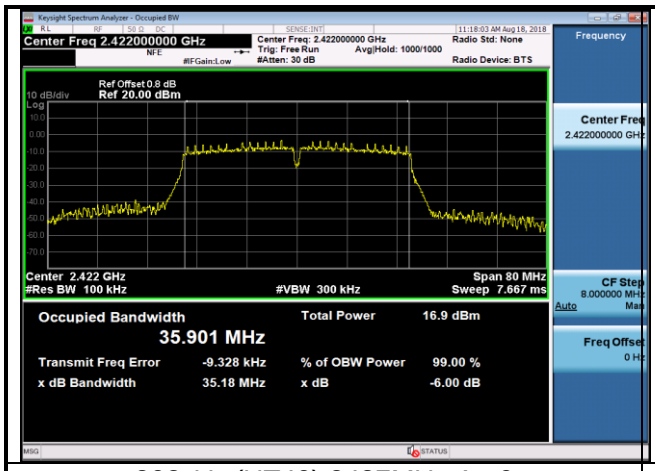


802.11n(HT40),2422MHz,Ant0

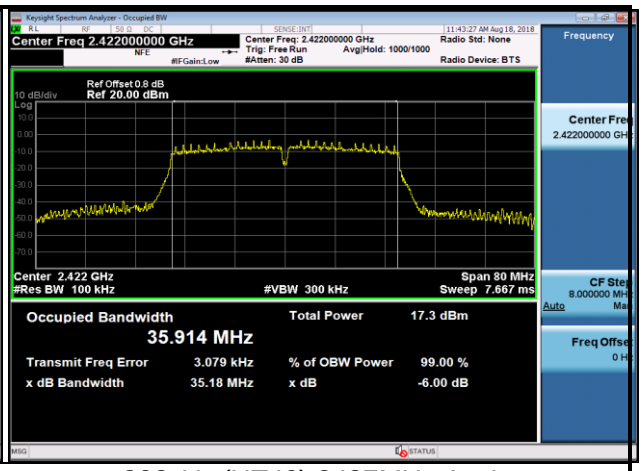


802.11n(HT40),2422MHz,Ant1

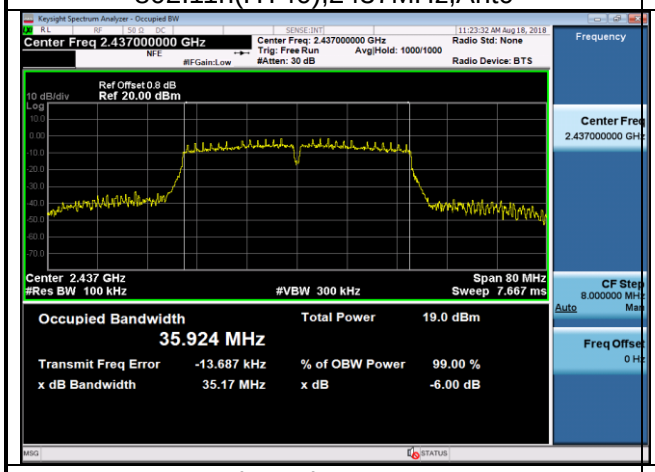
TEST REPORT



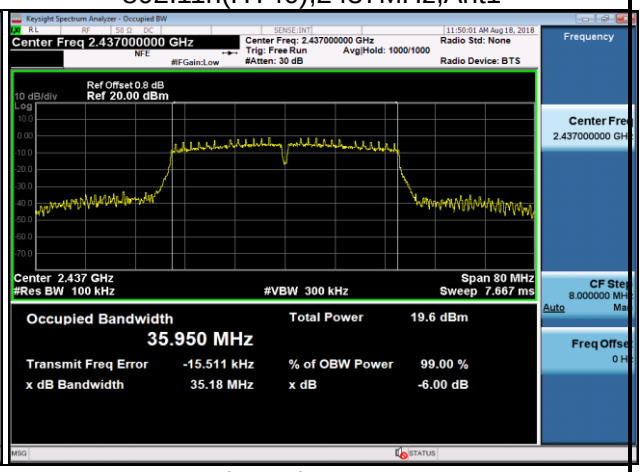
802.11n(HT40),2437MHz,Ant0



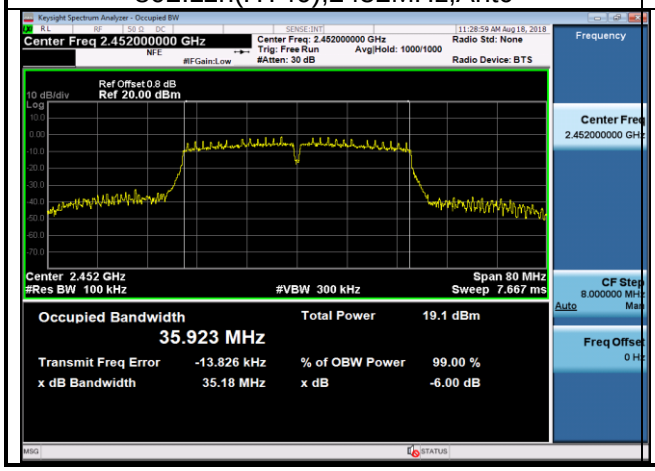
802.11n(HT40),2437MHz,Ant1

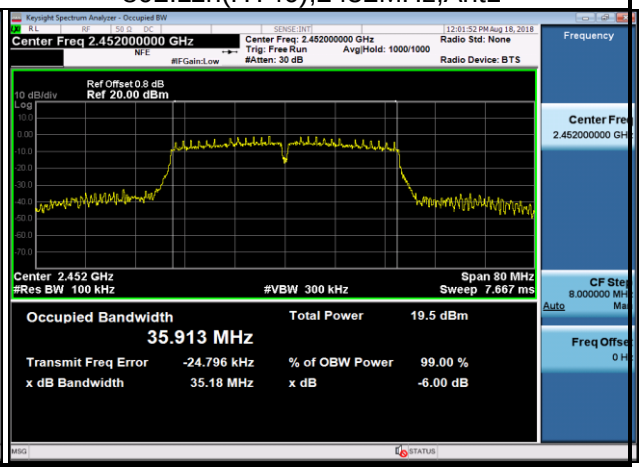


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





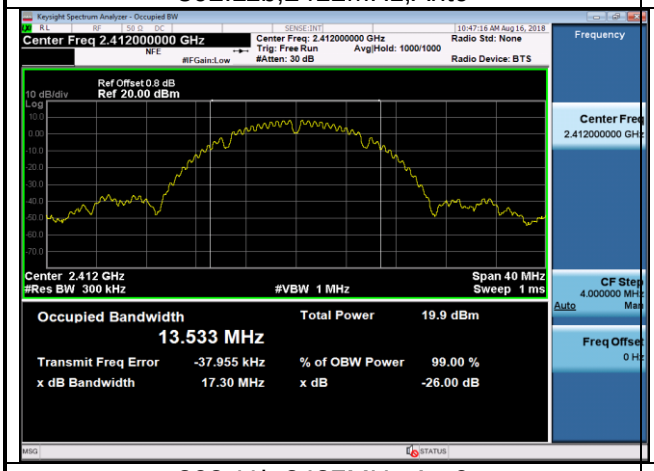
3. Occupied Bandwidth

3.1 Test Data

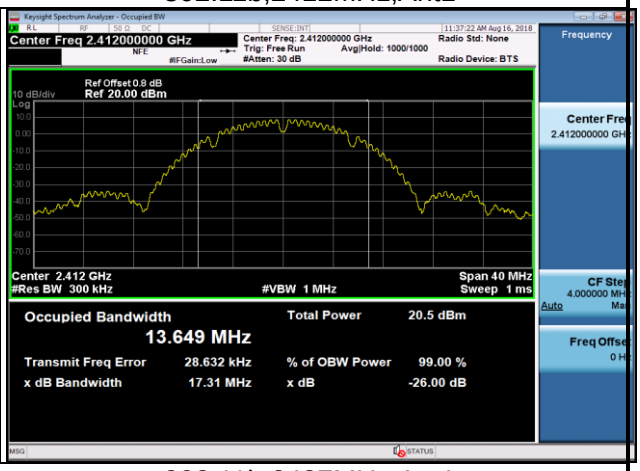
WLAN 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	13.533	Pass
802.11b	2412	Ant1	13.649	Pass
802.11b	2437	Ant0	13.602	Pass
802.11b	2437	Ant1	13.733	Pass
802.11b	2462	Ant0	13.611	Pass
802.11b	2462	Ant1	13.803	Pass
802.11g	2412	Ant0	16.777	Pass
802.11g	2412	Ant1	16.790	Pass
802.11g	2437	Ant0	16.773	Pass
802.11g	2437	Ant1	16.745	Pass
802.11g	2462	Ant0	16.776	Pass
802.11g	2462	Ant1	16.781	Pass
802.11n (HT20)	2412	Ant0	17.663	Pass
802.11n (HT20)	2412	Ant1	17.670	Pass
802.11n (HT20)	2437	Ant0	17.675	Pass
802.11n (HT20)	2437	Ant1	17.666	Pass
802.11n (HT20)	2462	Ant0	17.673	Pass
802.11n (HT20)	2462	Ant1	17.675	Pass
802.11n (HT40)	2422	Ant0	36.230	Pass
802.11n (HT40)	2422	Ant1	36.235	Pass
802.11n (HT40)	2437	Ant0	36.361	Pass
802.11n (HT40)	2437	Ant1	36.376	Pass
802.11n (HT40)	2452	Ant0	36.385	Pass
802.11n (HT40)	2452	Ant1	36.366	Pass

3.2 Test Plots

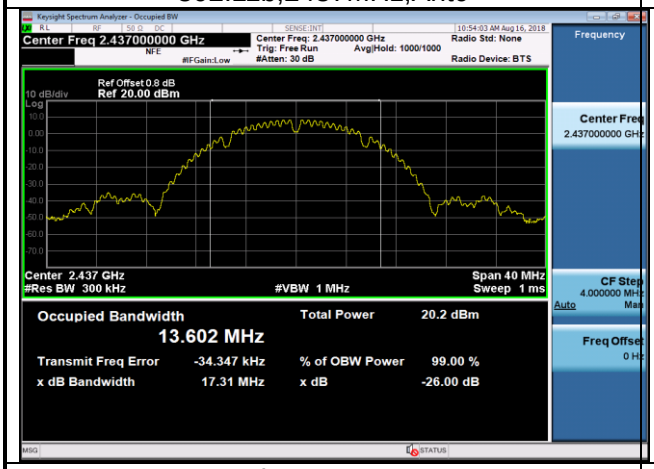
802.11b,2412MHz,Ant0



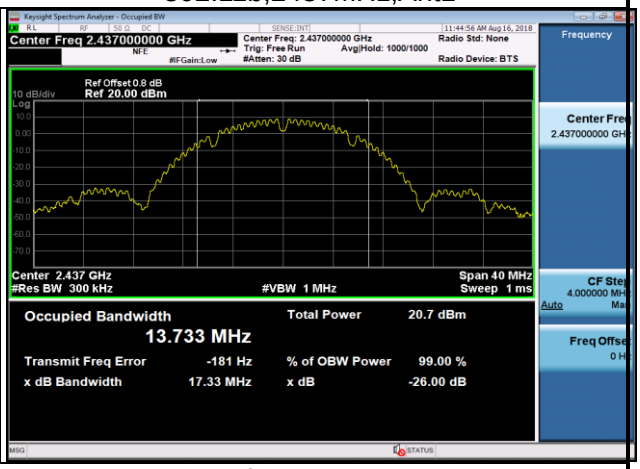
802.11b,2412MHz,Ant1



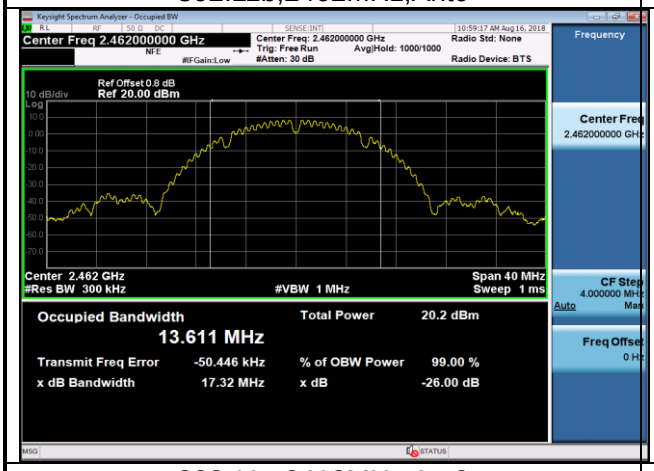
802.11b,2437MHz,Ant0



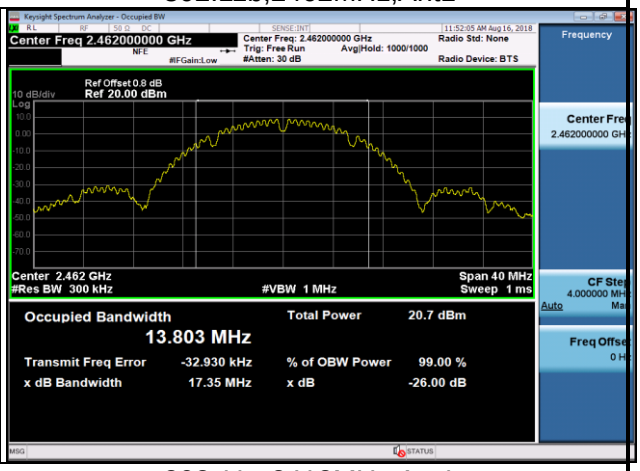
802.11b,2437MHz,Ant1



802.11b,2462MHz,Ant0



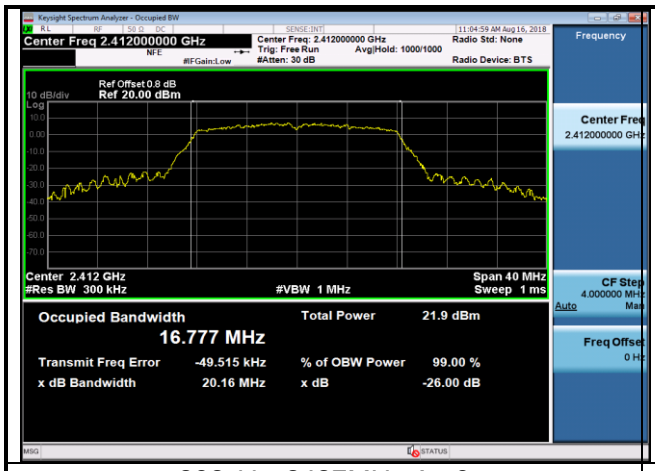
802.11b,2462MHz,Ant1



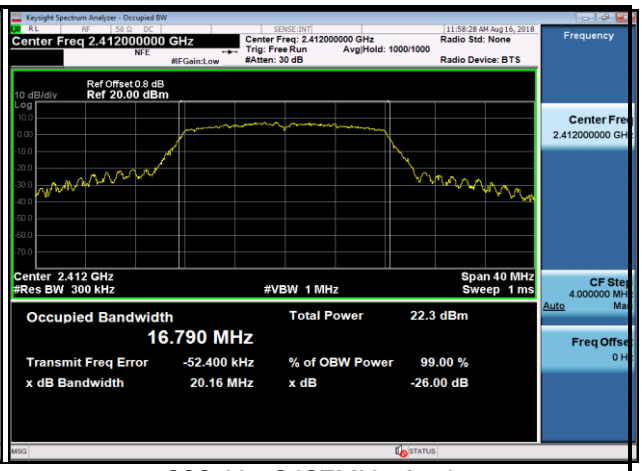
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

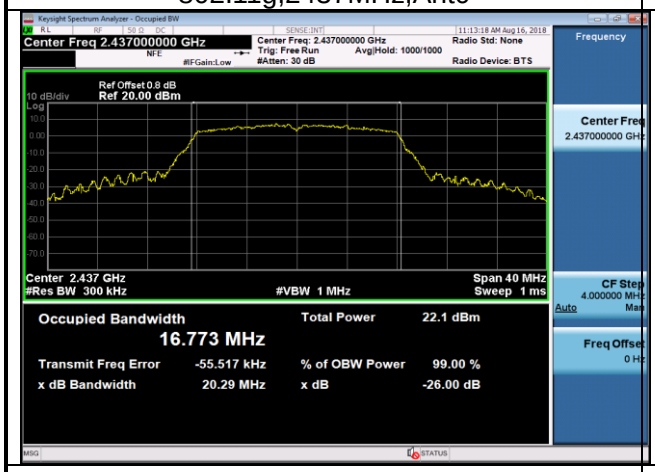
TEST REPORT



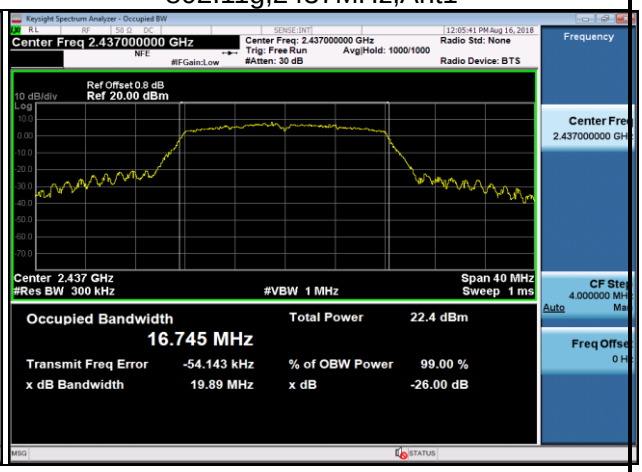
802.11g,2437MHz,Ant0



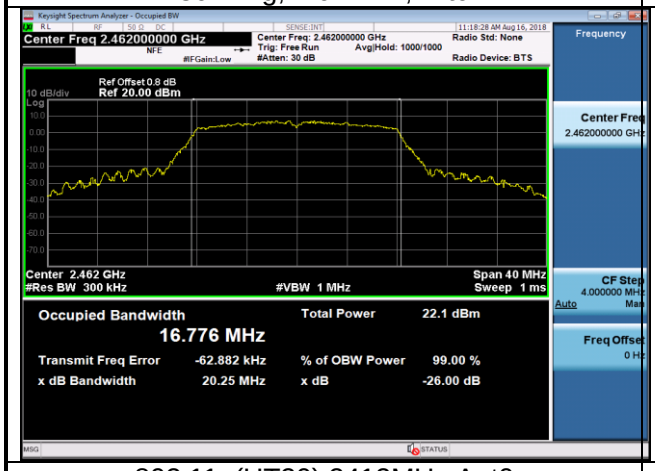
802.11g,2437MHz,Ant1



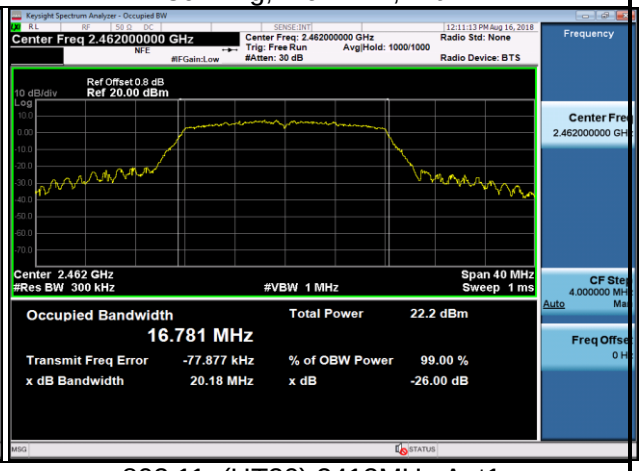
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

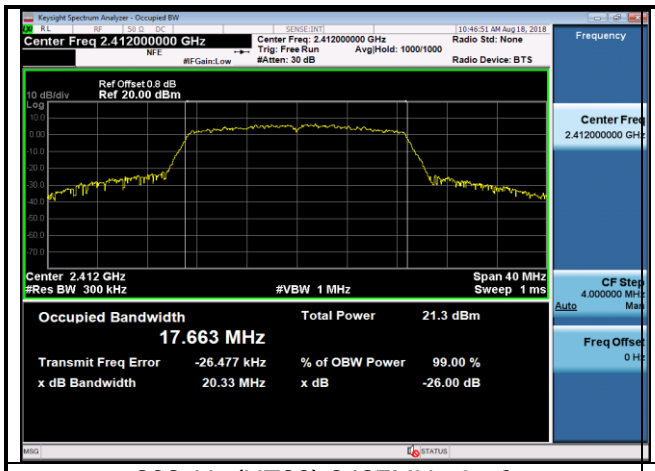


802.11n(HT20),2412MHz,Ant0

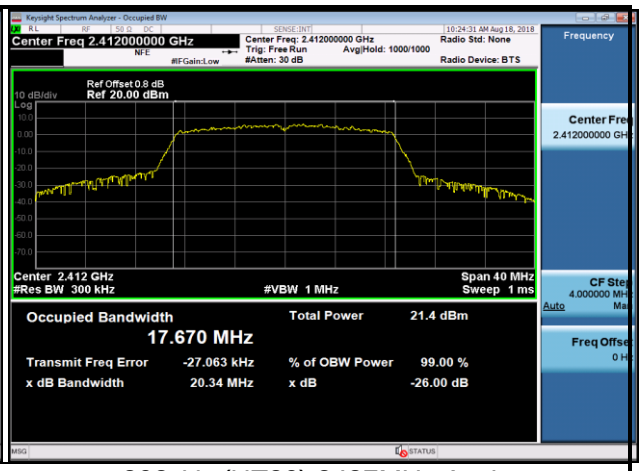


802.11n(HT20),2412MHz,Ant1

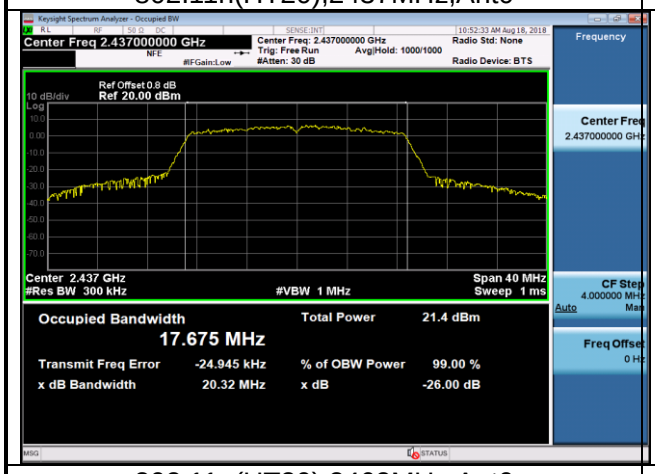
TEST REPORT



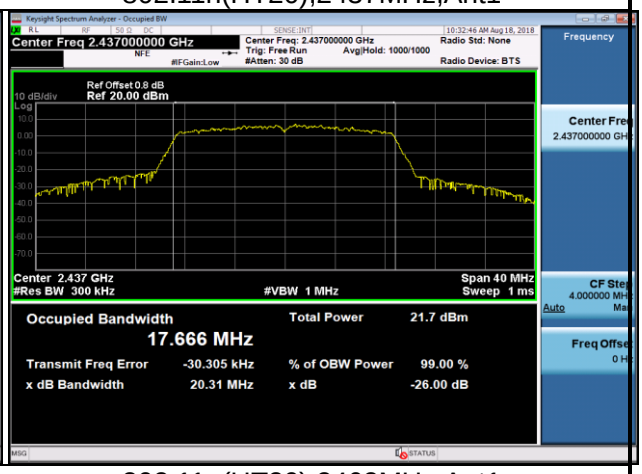
802.11n(HT20),2437MHz,Ant0



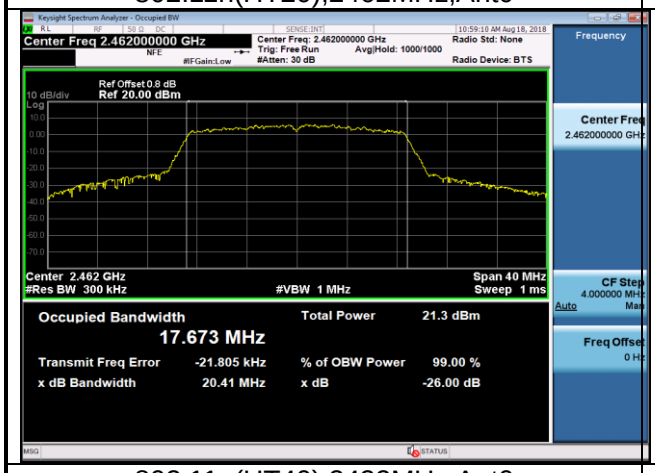
802.11n(HT20),2437MHz,Ant1



802.11n(HT20),2462MHz,Ant0



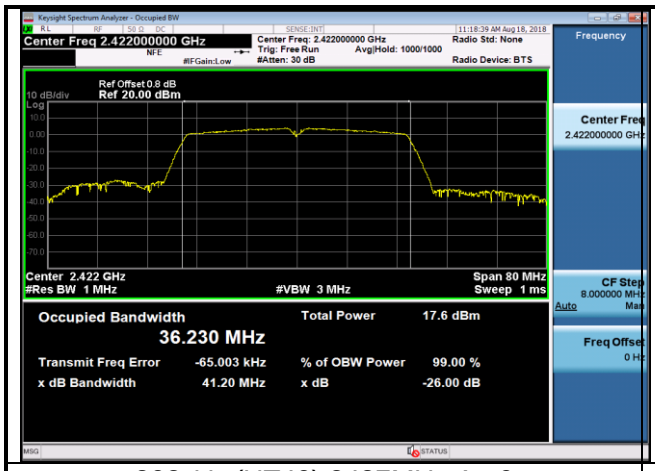
802.11n(HT20),2462MHz,Ant1



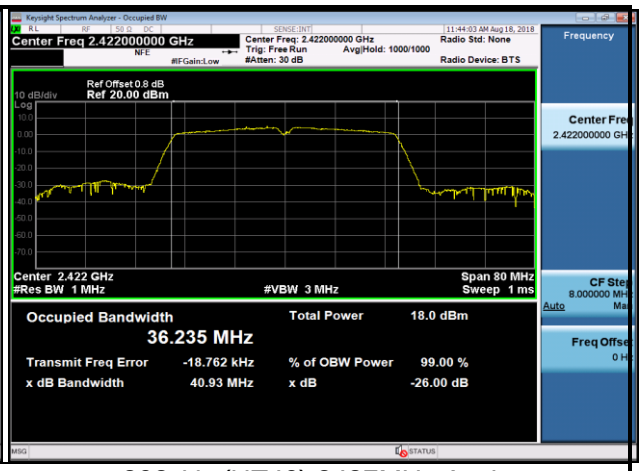
802.11n(HT40),2422MHz,Ant0

802.11n(HT40),2422MHz,Ant1

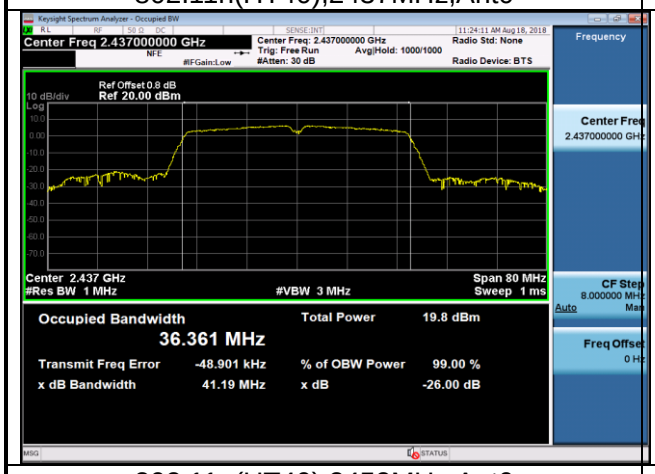
TEST REPORT



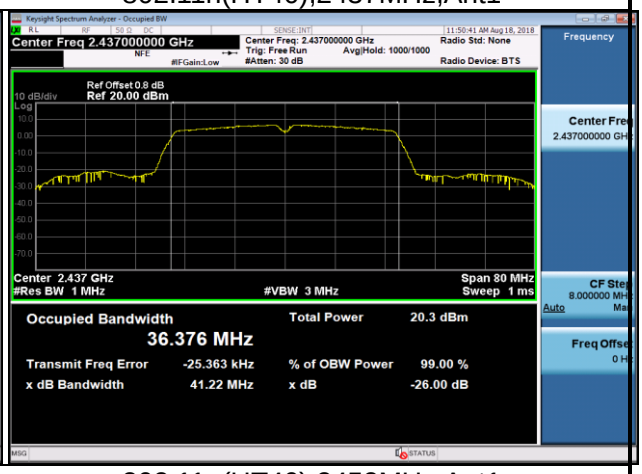
802.11n(HT40),2437MHz,Ant0



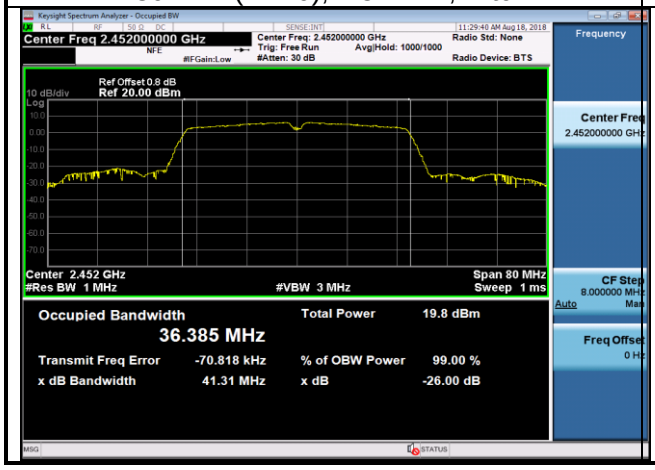
802.11n(HT40),2437MHz,Ant1

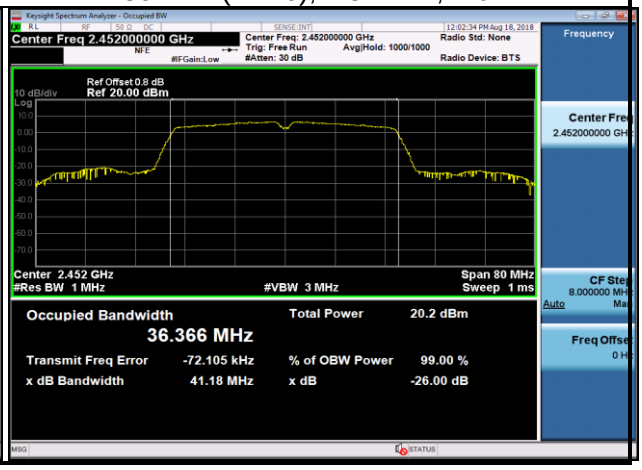


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





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

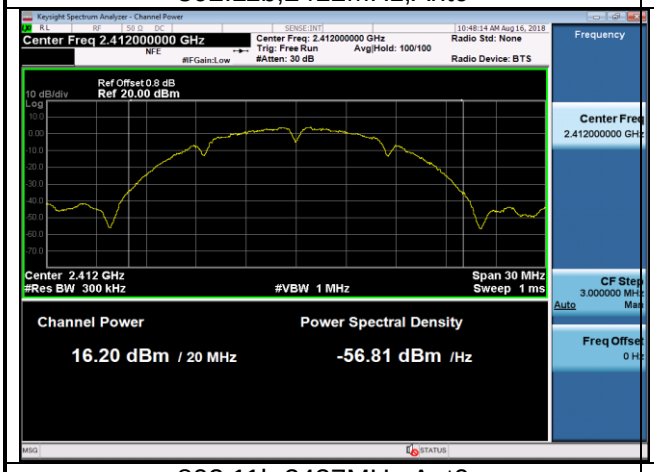
4.1 Test Data

WLAN AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Max or Total (dBm)	Limit (dBm)	Result
802.11b	2412	Ant0	0.00	16.20	16.20	30	Pass
802.11b	2412	Ant1	0.00	16.57	16.57	30	Pass
802.11b	2437	Ant0	0.00	16.38	16.38	30	Pass
802.11b	2437	Ant1	0.00	16.86	16.86	30	Pass
802.11b	2462	Ant0	0.00	16.50	16.50	30	Pass
802.11b	2462	Ant1	0.00	16.85	16.85	30	Pass
802.11g	2412	Ant0	0.09	15.45	15.45	30	Pass
802.11g	2412	Ant1	0.12	15.67	15.67	30	Pass
802.11g	2437	Ant0	0.09	15.39	15.39	30	Pass
802.11g	2437	Ant1	0.09	15.69	15.69	30	Pass
802.11g	2462	Ant0	0.12	15.46	15.46	30	Pass
802.11g	2462	Ant1	0.12	15.63	15.63	30	Pass
802.11n (HT20)	2412	Ant0	0.13	14.58	17.65	30	Pass
802.11n (HT20)	2412	Ant1	0.13	14.69			
802.11n (HT20)	2437	Ant0	0.10	14.65	17.77	30	Pass
802.11n (HT20)	2437	Ant1	0.10	14.87			
802.11n (HT20)	2462	Ant0	0.13	14.65	17.80	30	Pass
802.11n (HT20)	2462	Ant1	0.13	14.93			
802.11n (HT40)	2422	Ant0	0.26	9.70	13.04	30	Pass
802.11n (HT40)	2422	Ant1	0.26	10.33			
802.11n (HT40)	2437	Ant0	0.20	11.77	15.11	30	Pass
802.11n (HT40)	2437	Ant1	0.20	12.41			
802.11n (HT40)	2452	Ant0	0.20	11.92	15.15	30	Pass
802.11n (HT40)	2452	Ant1	0.20	12.34			

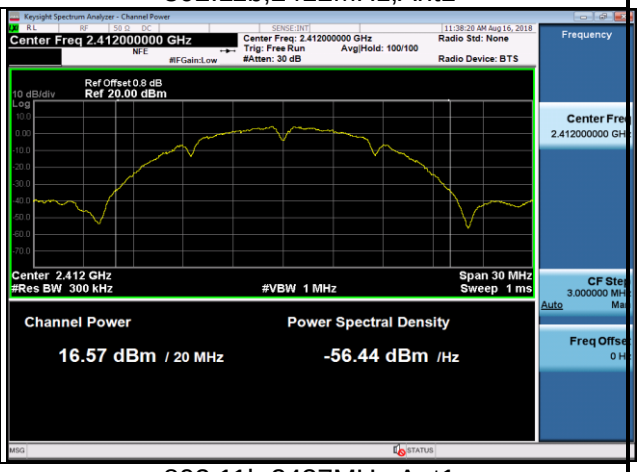
Max conducted output power (dBm)	Max antenna gain (dBi)	Max e.i.r.p. (W)	Limit (W)	Result
17.80	2.85	0.116	4	Pass

4.2 Test Plots

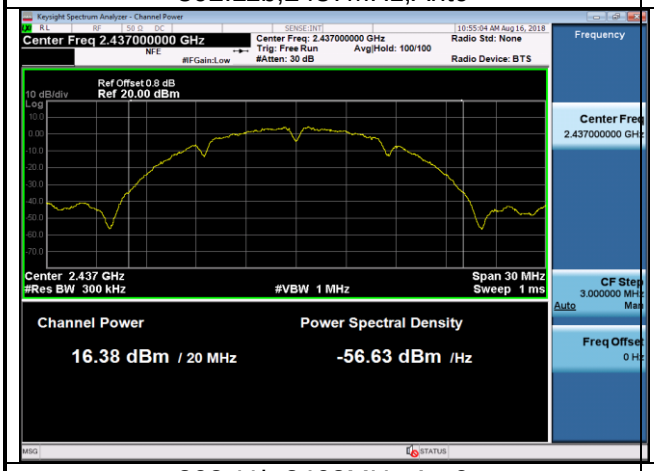
802.11b,2412MHz,Ant0



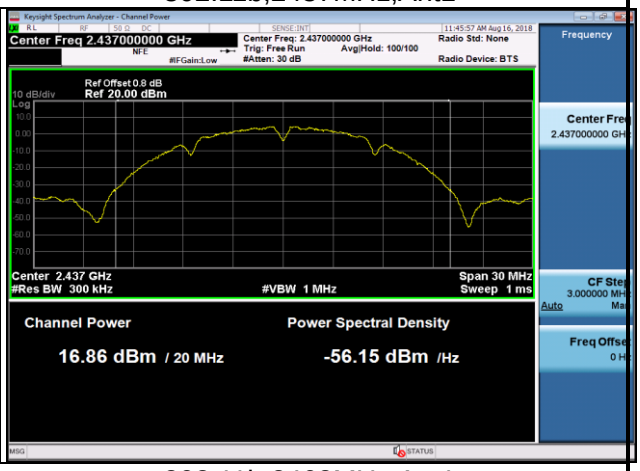
802.11b,2412MHz,Ant1



802.11b,2437MHz,Ant0



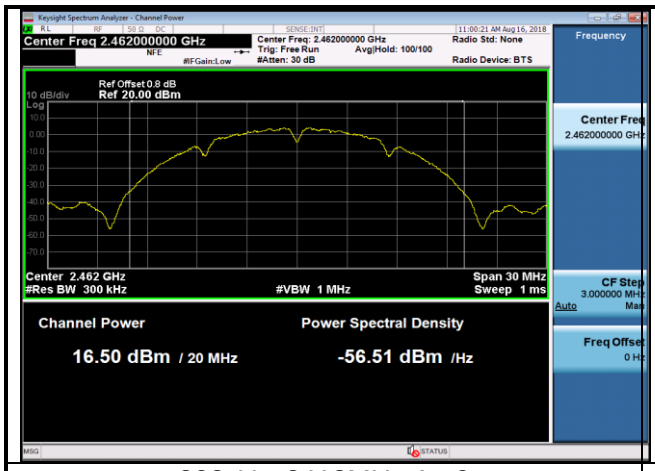
802.11b,2437MHz,Ant1



802.11b,2462MHz,Ant0

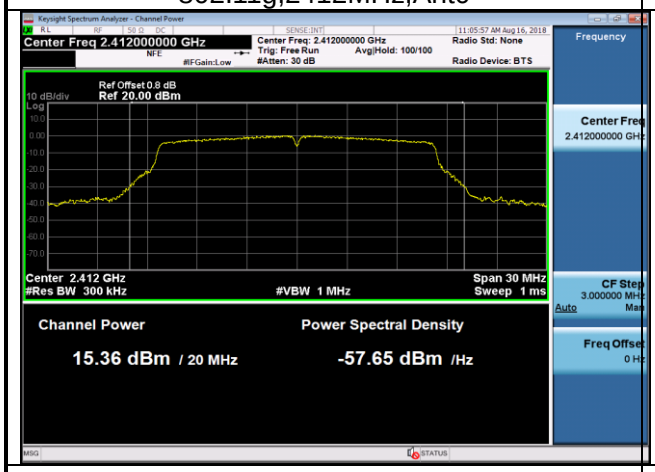
802.11b,2462MHz,Ant1

TEST REPORT

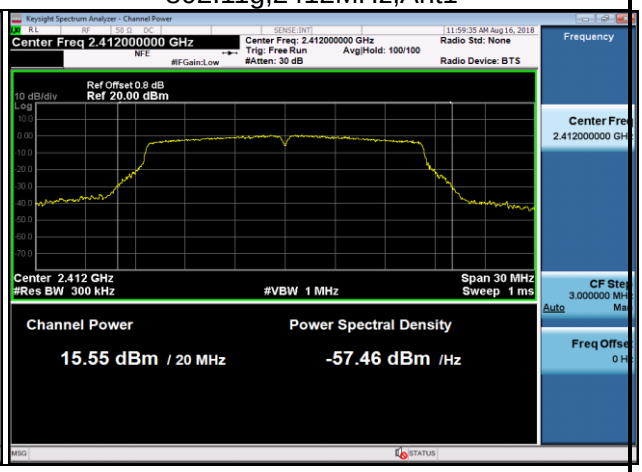


802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1



802.11g,2437MHz,Ant0

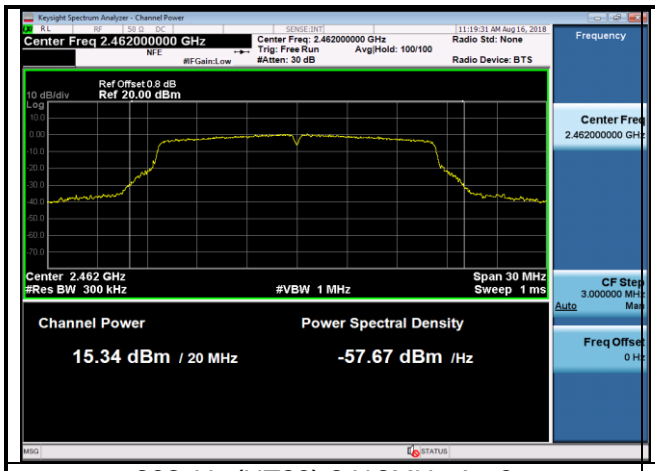


802.11g,2437MHz,Ant1

802.11g,2462MHz,Ant0

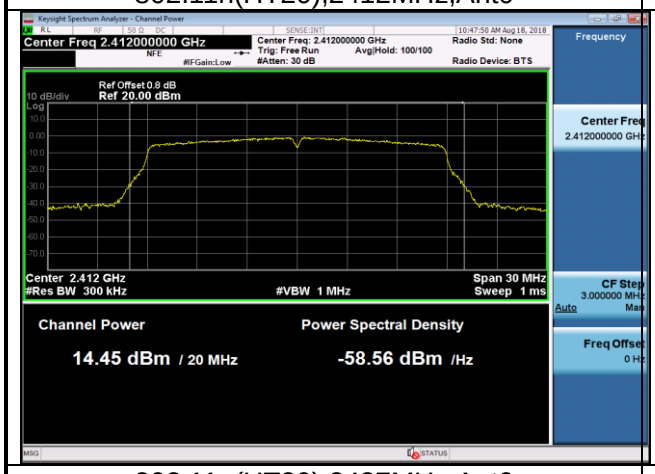
802.11g,2462MHz,Ant1

TEST REPORT

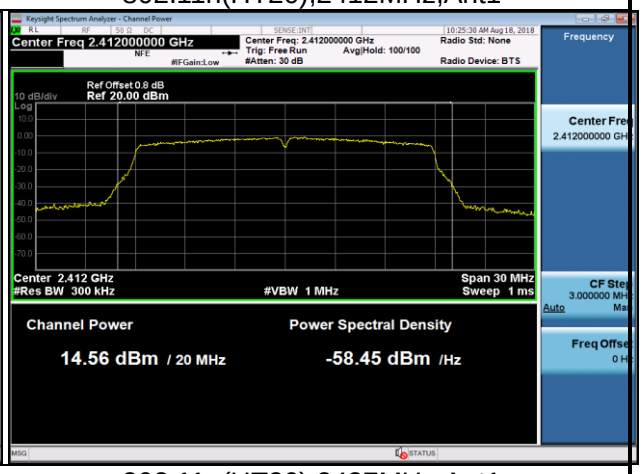


802.11n(HT20),2412MHz,Ant0

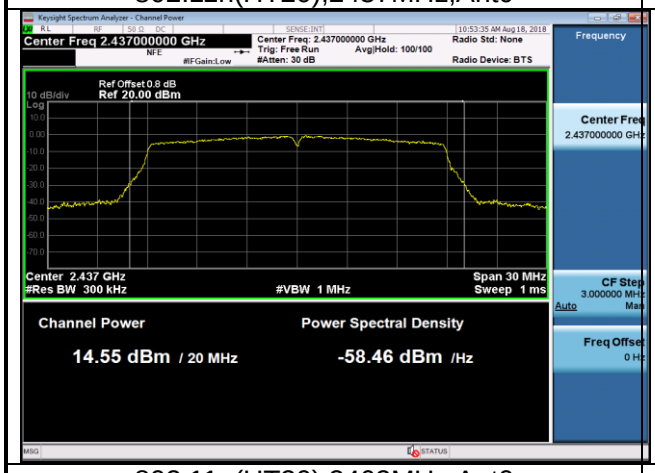
802.11n(HT20),2412MHz,Ant1



802.11n(HT20),2437MHz,Ant0



802.11n(HT20),2437MHz,Ant1



802.11n(HT20),2462MHz,Ant0

802.11n(HT20),2462MHz,Ant1