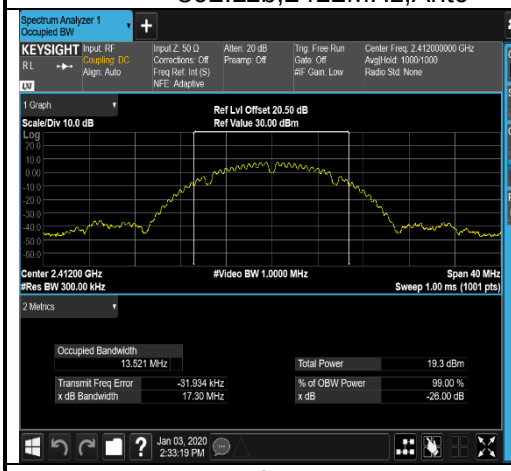
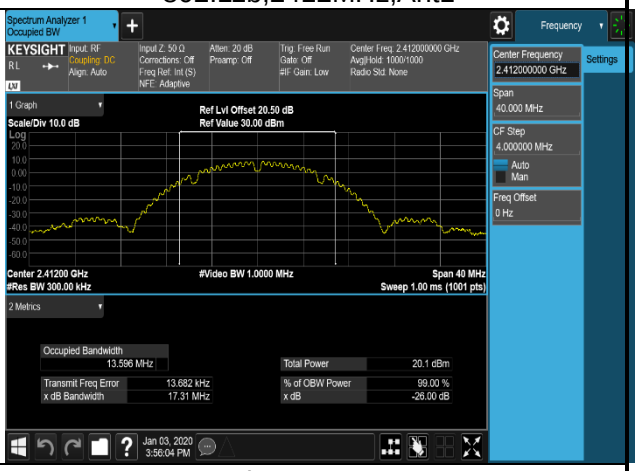
3.2 Test Plots

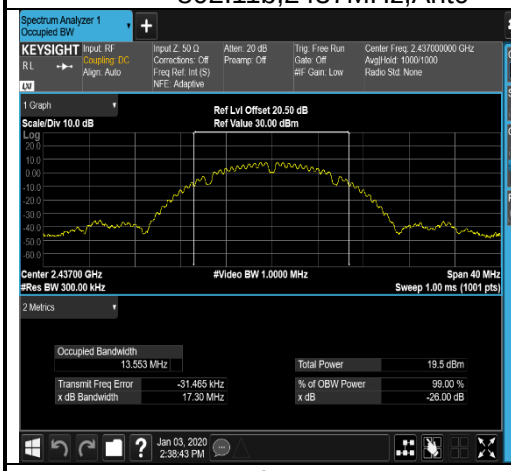
802.11b,2412MHz,Ant0



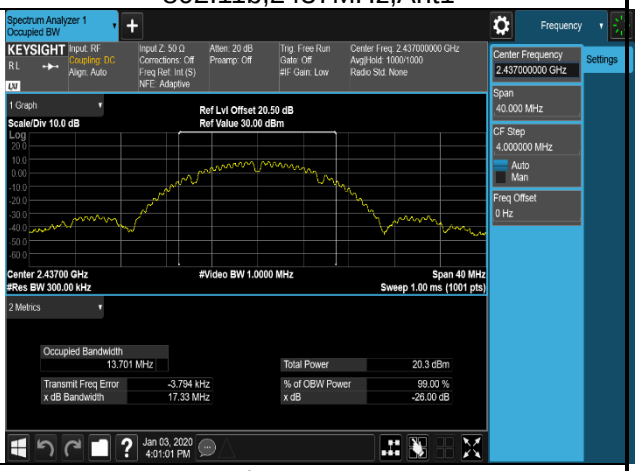
802.11b,2412MHz,Ant1



802.11b,2437MHz,Ant0

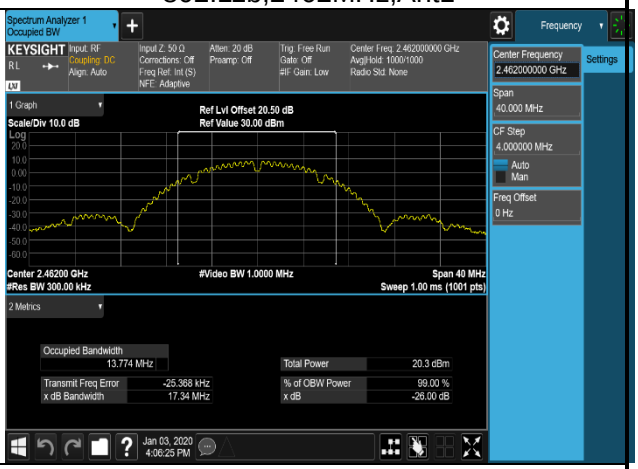


802.11b,2437MHz,Ant1



802.11b,2462MHz,Ant0

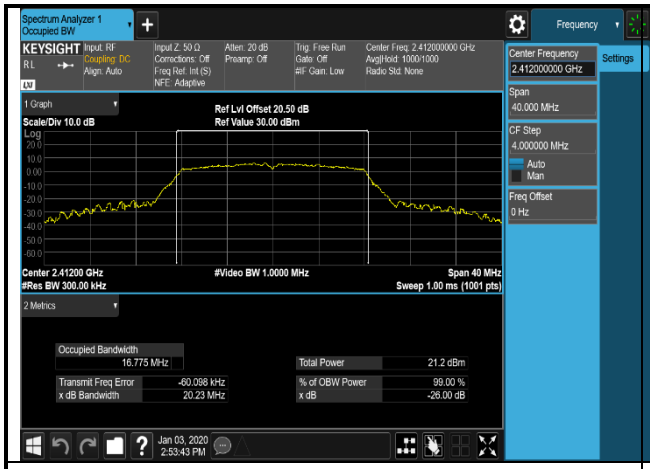
802.11b,2462MHz,Ant1



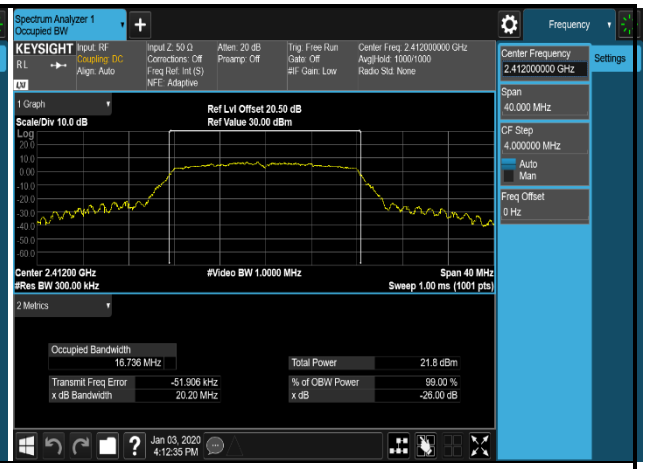
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

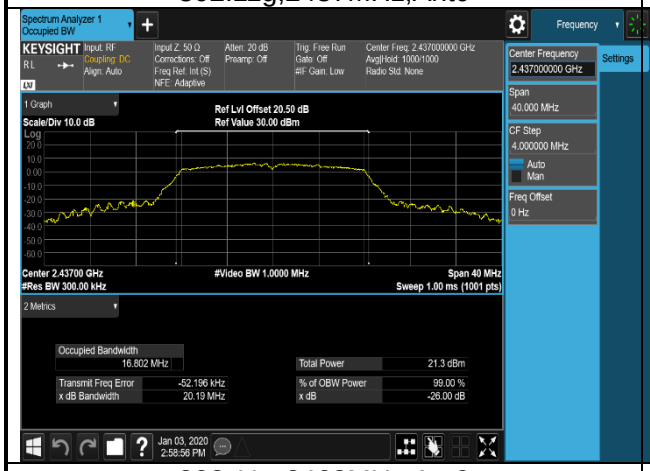
TEST REPORT



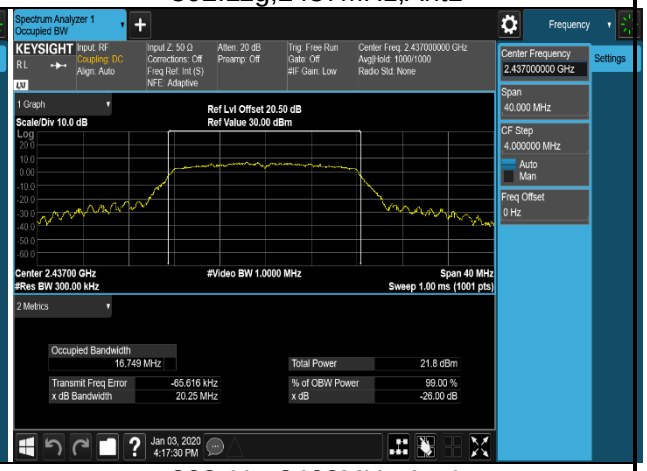
802.11g,2437MHz,Ant0



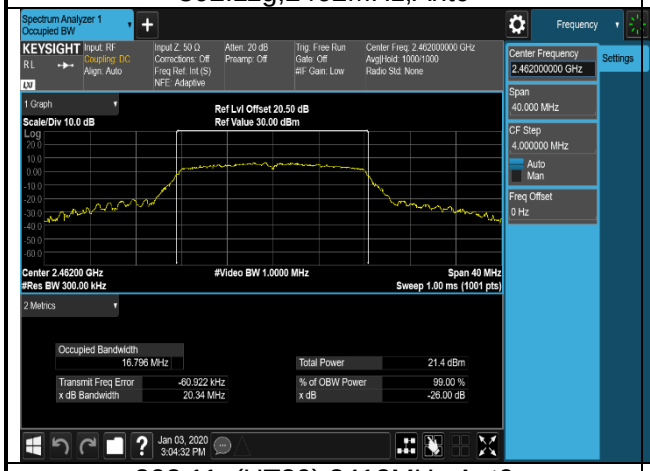
802.11g,2437MHz,Ant1



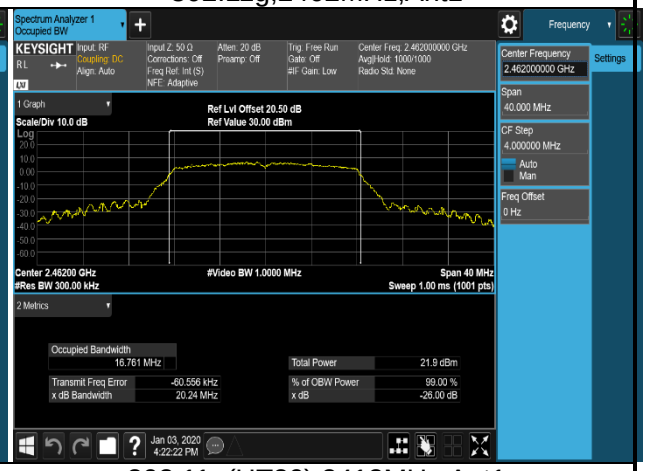
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1



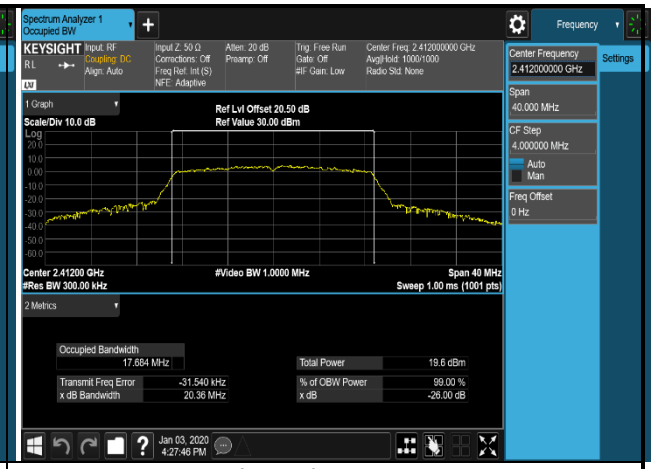
802.11n(HT20),2412MHz,Ant0



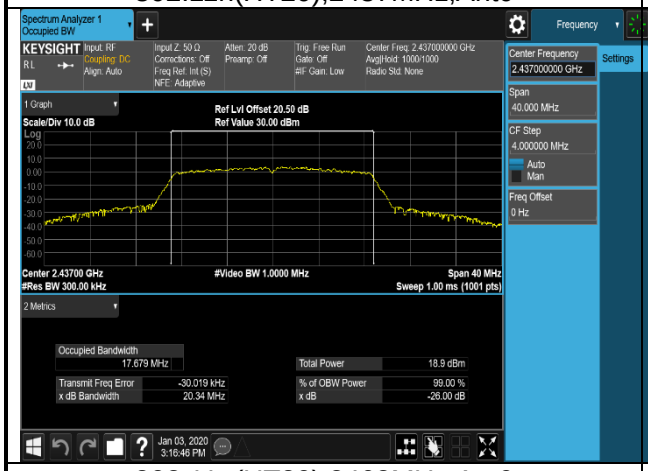
802.11n(HT20),2412MHz,Ant1

TEST REPORT

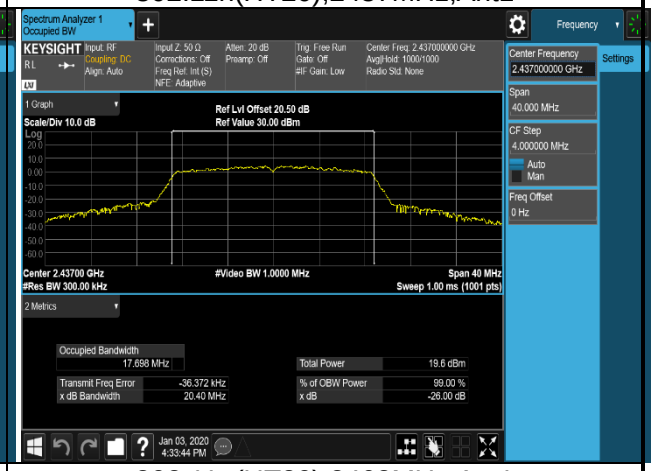
802.11n(HT20),2437MHz,Ant0



802.11n(HT20),2437MHz,Ant1

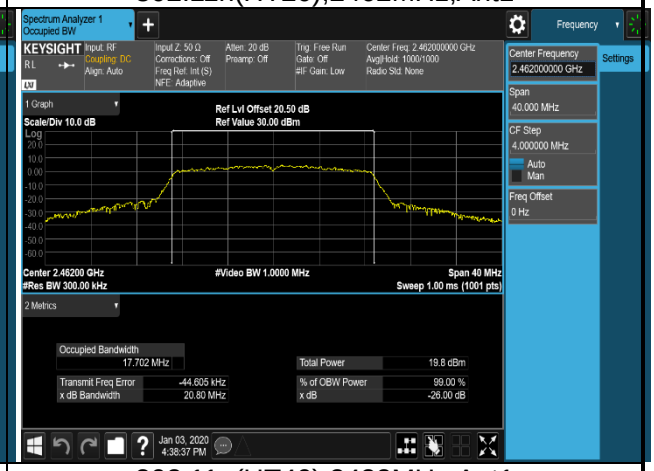


802.11n(HT20),2462MHz,Ant0



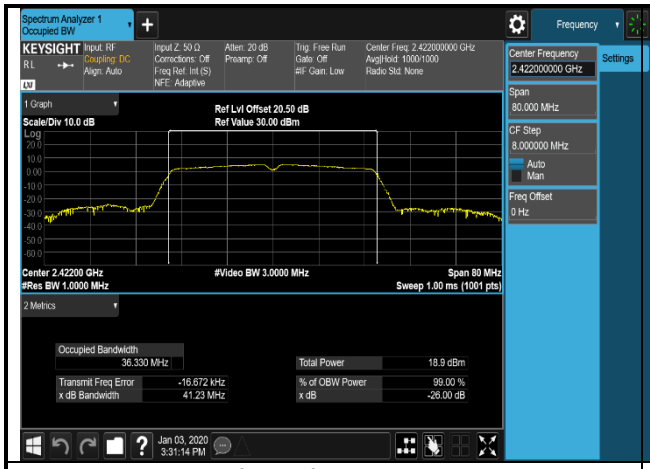
802.11n(HT20),2462MHz,Ant1

802.11n(HT40),2422MHz,Ant0

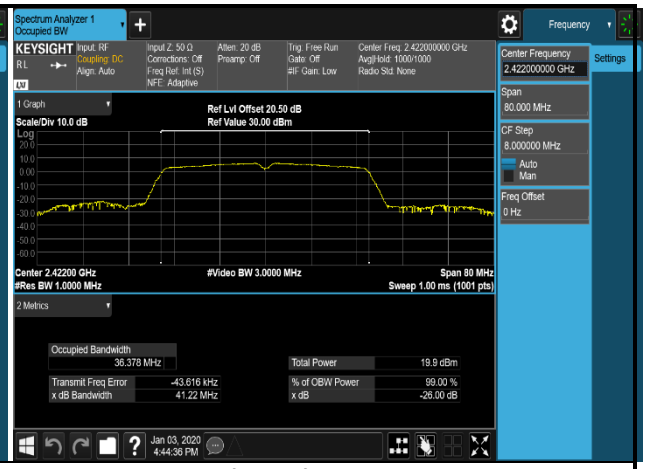


802.11n(HT40),2422MHz,Ant1

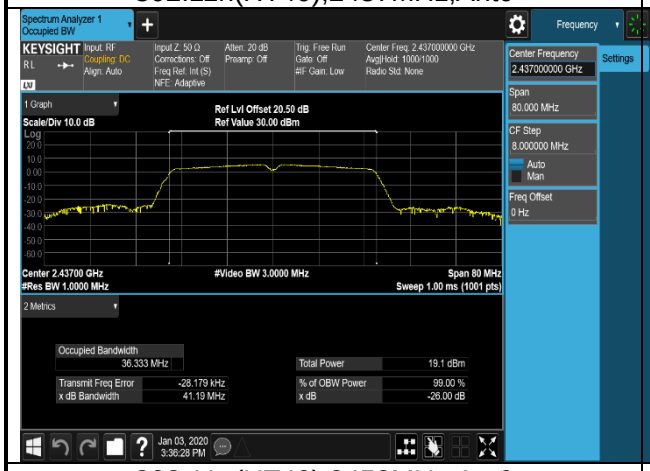
TEST REPORT



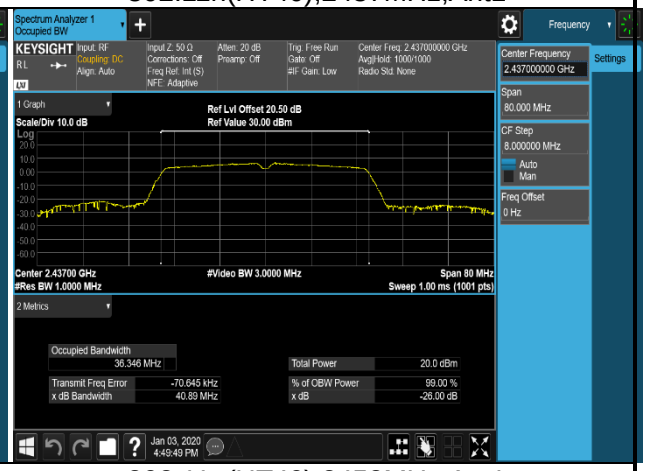
802.11n(HT40),2437MHz,Ant0



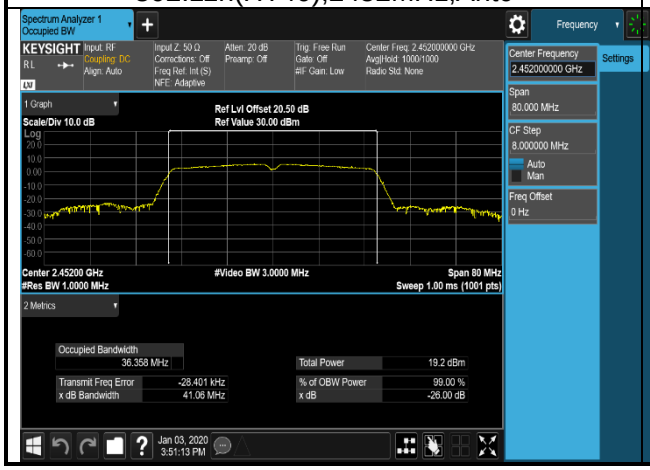
802.11n(HT40),2437MHz,Ant1

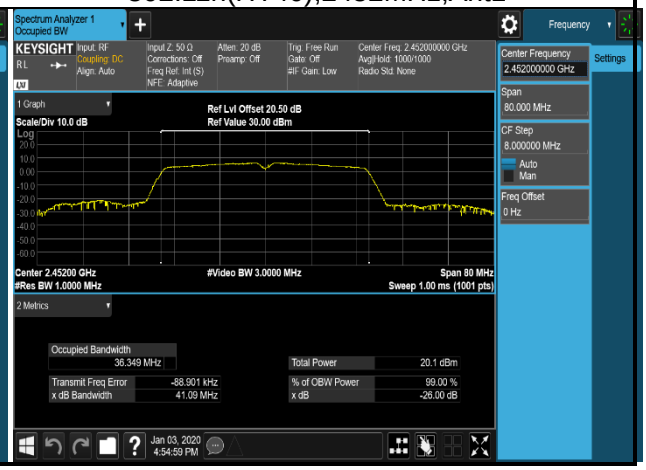


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





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

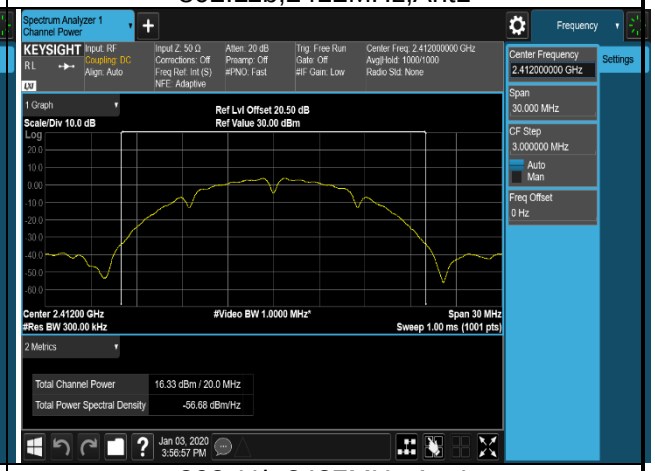
4.1 Test Data

WLAN AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Total Power (dBm)	FCC Power Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	0.00	15.54	15.54	30	16.59	Pass
802.11b	2412	Ant1	0.00	16.33	16.33	30	17.59	Pass
802.11b	2437	Ant0	0.00	15.71	15.71	30	16.76	Pass
802.11b	2437	Ant1	0.00	16.42	16.42	30	17.68	Pass
802.11b	2462	Ant0	0.00	15.76	15.76	30	16.81	Pass
802.11b	2462	Ant1	0.00	16.50	16.50	30	17.76	Pass
802.11g	2412	Ant0	0.11	14.52	14.52	30	15.57	Pass
802.11g	2412	Ant1	0.10	15.21	15.21	30	16.47	Pass
802.11g	2437	Ant0	0.10	14.68	14.68	30	15.73	Pass
802.11g	2437	Ant1	0.10	15.27	15.27	30	16.53	Pass
802.11g	2462	Ant0	0.10	14.75	14.75	30	15.80	Pass
802.11g	2462	Ant1	0.10	15.29	15.29	30	16.55	Pass
802.11n (HT20)	2412	Ant0	0.12	11.87	15.36	30	16.51	Pass
802.11n (HT20)	2412	Ant1	0.12	12.78				
802.11n (HT20)	2437	Ant0	0.12	12.08	15.49	30	16.65	Pass
802.11n (HT20)	2437	Ant1	0.12	12.85				
802.11n (HT20)	2462	Ant0	0.12	12.12	15.60	30	16.76	Pass
802.11n (HT20)	2462	Ant1	0.12	13.02				
802.11n (HT40)	2422	Ant0	0.24	11.07	14.58	30	15.73	Pass
802.11n (HT40)	2422	Ant1	0.24	12.01				
802.11n (HT40)	2437	Ant0	0.24	11.26	14.72	30	15.87	Pass
802.11n (HT40)	2437	Ant1	0.24	12.12				
802.11n (HT40)	2452	Ant0	0.24	11.45	14.84	30	15.99	Pass
802.11n (HT40)	2452	Ant1	0.22	12.18				

4.2 Test Plots

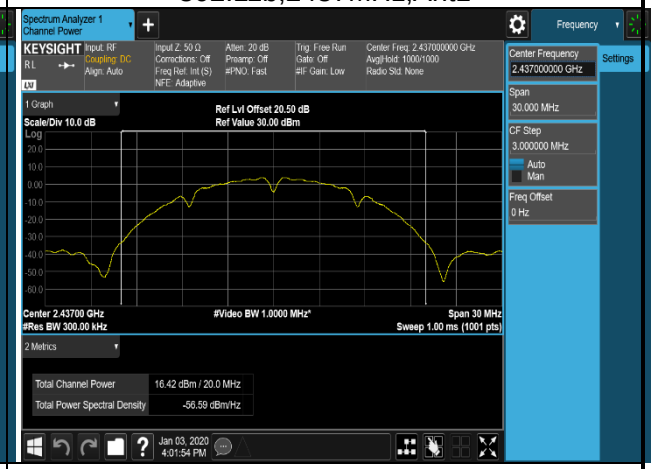
802.11b,2412MHz,Ant0

802.11b,2412MHz,Ant1



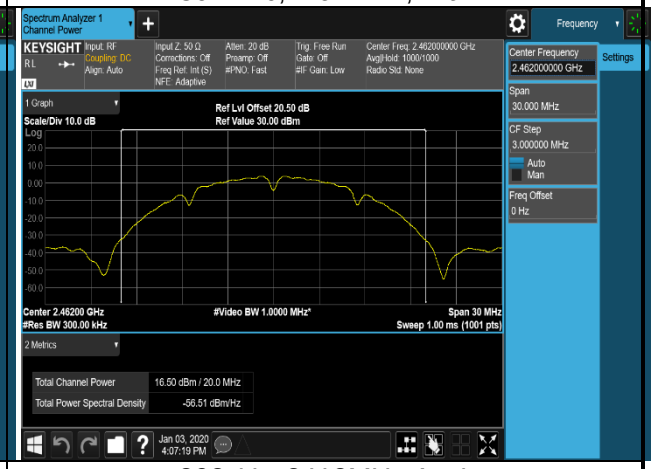
802.11b,2437MHz,Ant0

802.11b,2437MHz,Ant1



802.11b,2462MHz,Ant0

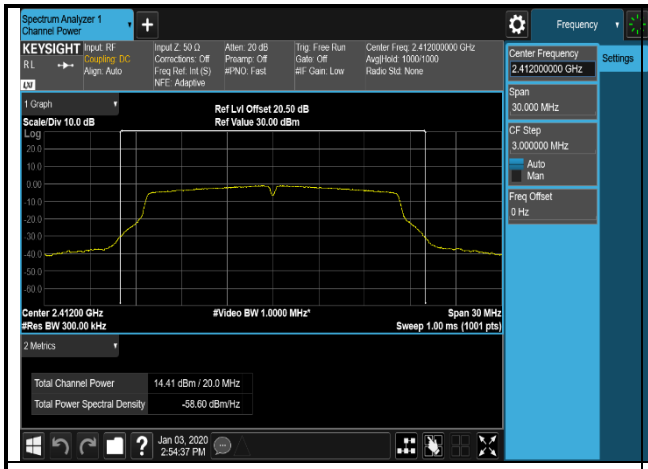
802.11b,2462MHz,Ant1



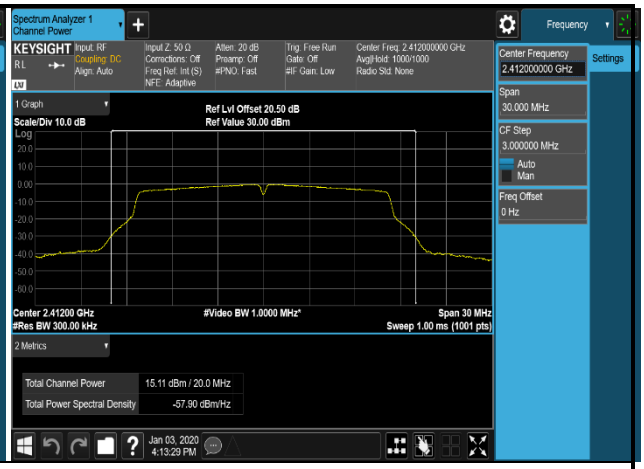
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

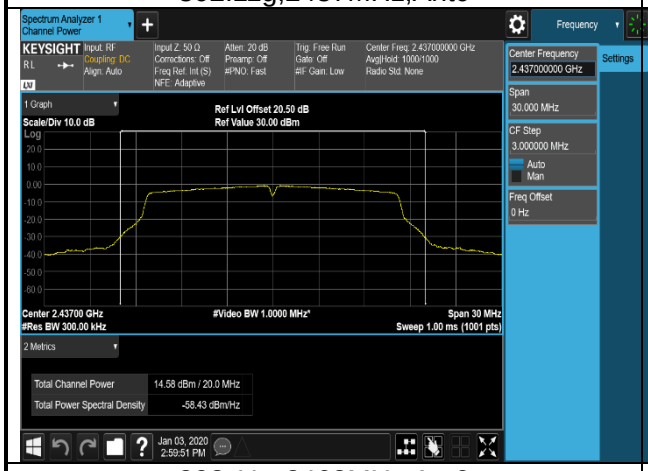
TEST REPORT



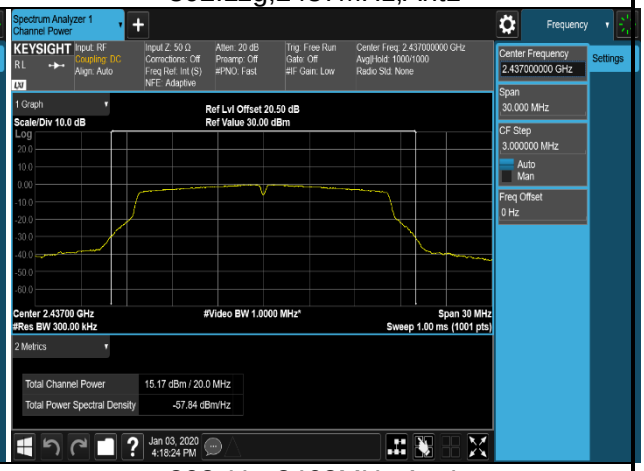
802.11g,2437MHz,Ant0



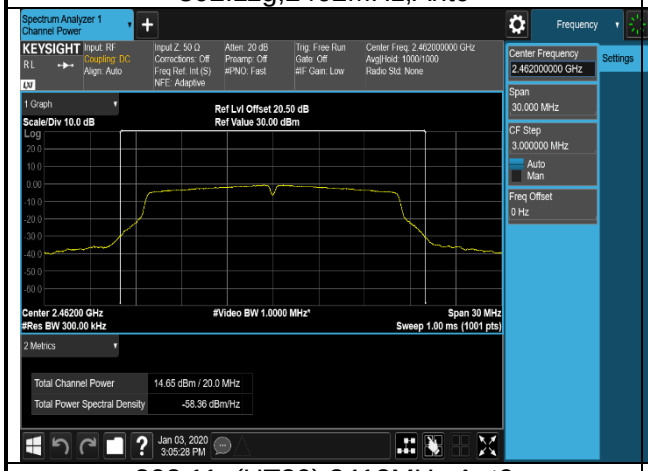
802.11g,2437MHz,Ant1



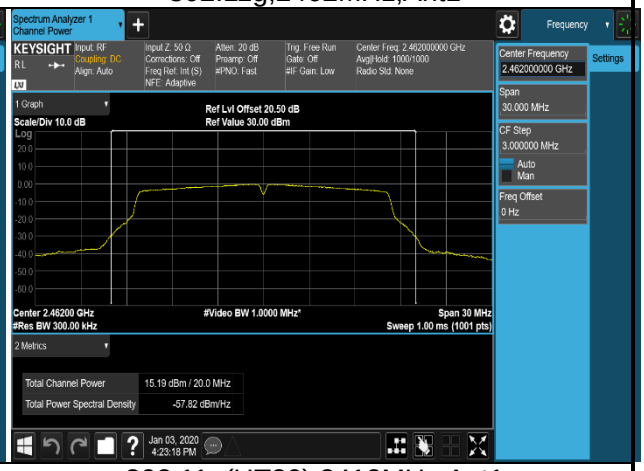
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

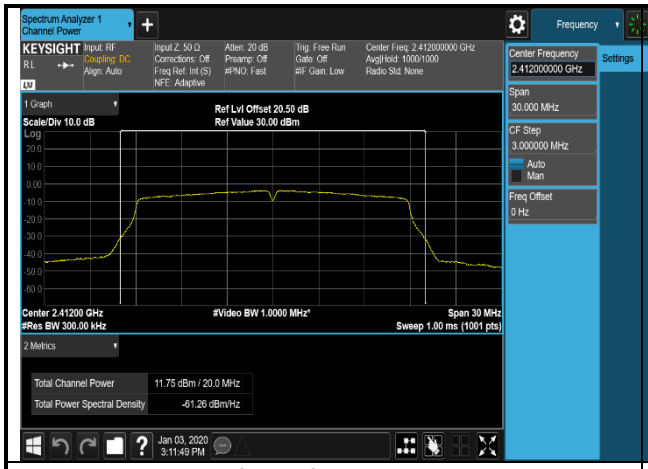


802.11n(HT20),2412MHz,Ant0

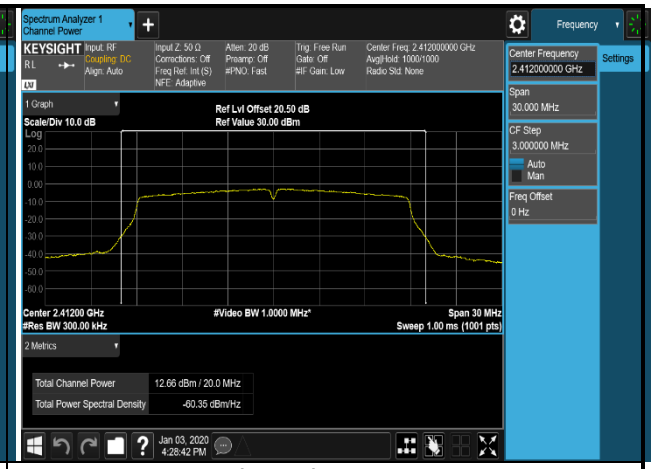


802.11n(HT20),2412MHz,Ant1

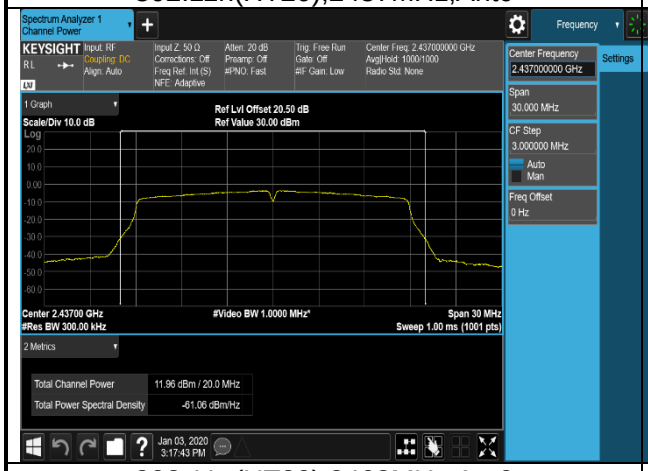
TEST REPORT



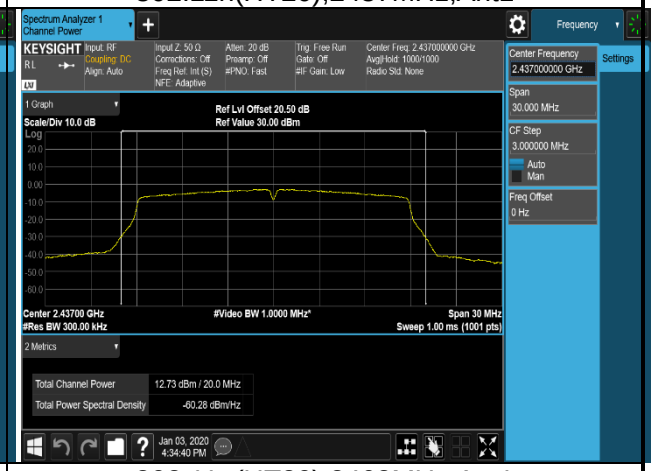
802.11n(HT20),2437MHz,Ant0



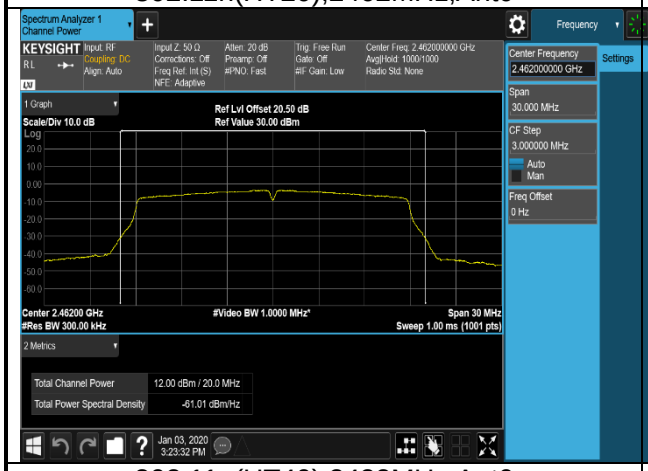
802.11n(HT20),2437MHz,Ant1



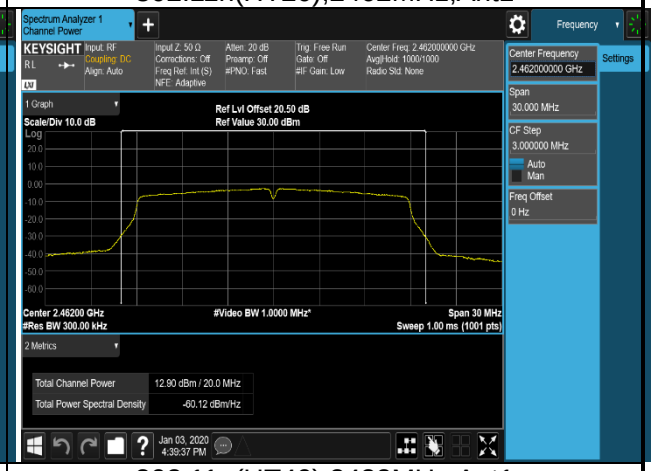
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1

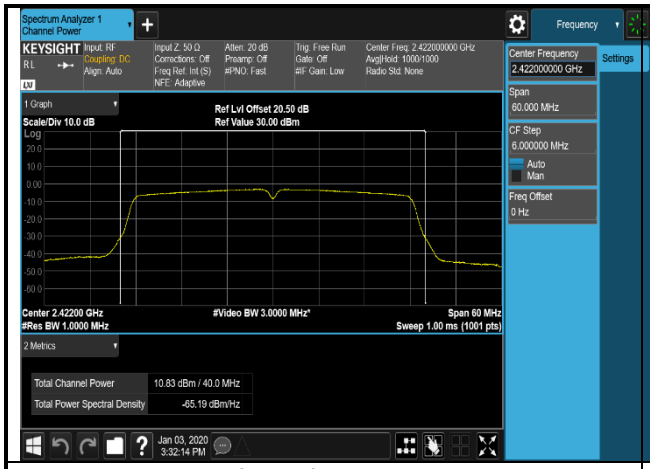


802.11n(HT40),2422MHz,Ant0

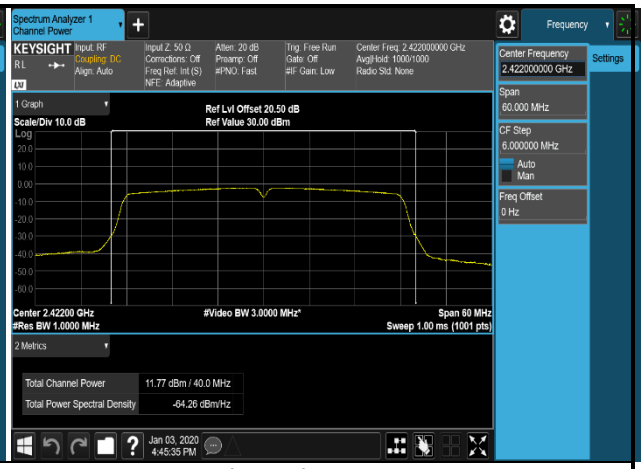


802.11n(HT40),2422MHz,Ant1

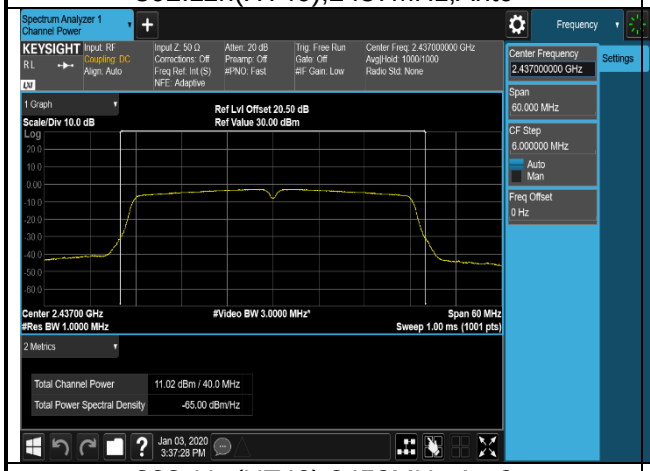
TEST REPORT



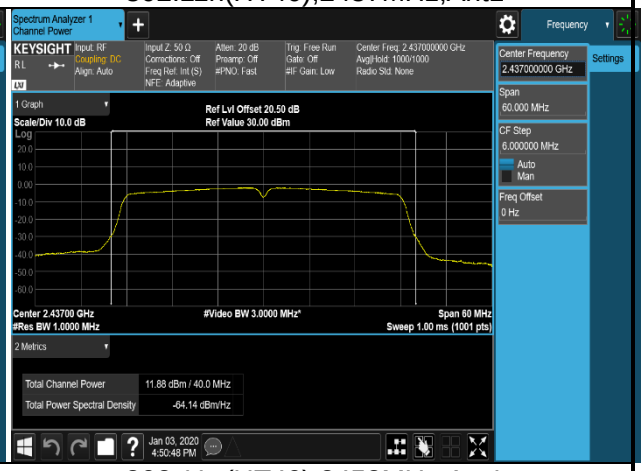
802.11n(HT40),2437MHz,Ant0



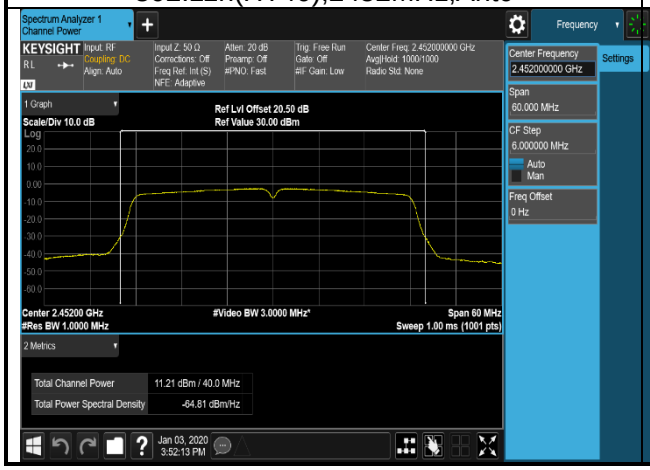
802.11n(HT40),2437MHz,Ant1

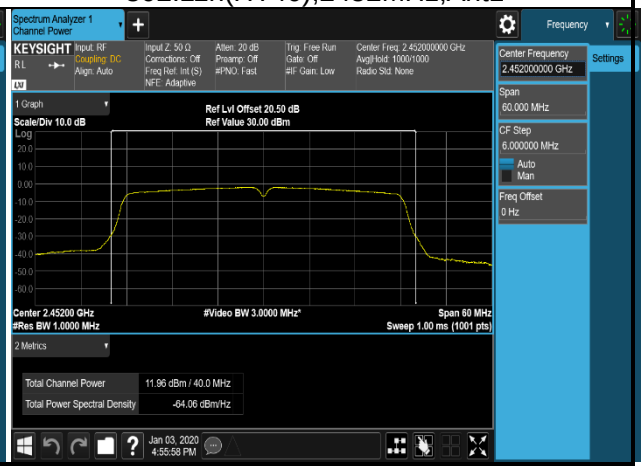


802.11n(HT40),2452MHz,Ant0



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)	Total PSD (dBm)	RBW (kHz)	PSD Limit (dBm)	Result
802.11b	2412	Ant0	0.00	-1.561	-1.561	100	8	Pass
802.11b	2412	Ant1	0.00	-0.805	-0.805	100	8	Pass
802.11b	2437	Ant0	0.00	-1.206	-1.206	100	8	Pass
802.11b	2437	Ant1	0.00	-0.632	-0.632	100	8	Pass
802.11b	2462	Ant0	0.00	-1.249	-1.249	100	8	Pass
802.11b	2462	Ant1	0.00	-0.544	-0.544	100	8	Pass
802.11g	2412	Ant0	0.11	-4.622	-4.622	100	8	Pass
802.11g	2412	Ant1	0.10	-4.112	-4.112	100	8	Pass
802.11g	2437	Ant0	0.10	-4.483	-4.483	100	8	Pass
802.11g	2437	Ant1	0.10	-3.756	-3.756	100	8	Pass
802.11g	2462	Ant0	0.10	-4.500	-4.500	100	8	Pass
802.11g	2462	Ant1	0.10	-3.641	-3.641	100	8	Pass
802.11n (HT20)	2412	Ant0	0.12	-7.517	-3.994	100	8	Pass
802.11n (HT20)	2412	Ant1	0.12	-6.545				
802.11n (HT20)	2437	Ant0	0.12	-7.298	-3.877	100	8	Pass
802.11n (HT20)	2437	Ant1	0.12	-6.512				
802.11n (HT20)	2462	Ant0	0.12	-7.158	-3.686	100	8	Pass
802.11n (HT20)	2462	Ant1	0.12	-6.279				
802.11n (HT40)	2422	Ant0	0.24	-11.615	-8.141	100	8	Pass
802.11n (HT40)	2422	Ant1	0.24	-10.732				
802.11n (HT40)	2437	Ant0	0.24	-11.355	-7.915	100	8	Pass
802.11n (HT40)	2437	Ant1	0.24	-10.534				
802.11n (HT40)	2452	Ant0	0.24	-11.248	-7.908	100	8	Pass
802.11n (HT40)	2452	Ant1	0.22	-10.612				

5.2 Test Plots

802.11b,2412MHz,Ant0

802.11b,2412MHz,Ant1

802.11b,2437MHz,Ant0

802.11b,2437MHz,Ant1

802.11b,2462MHz,Ant0

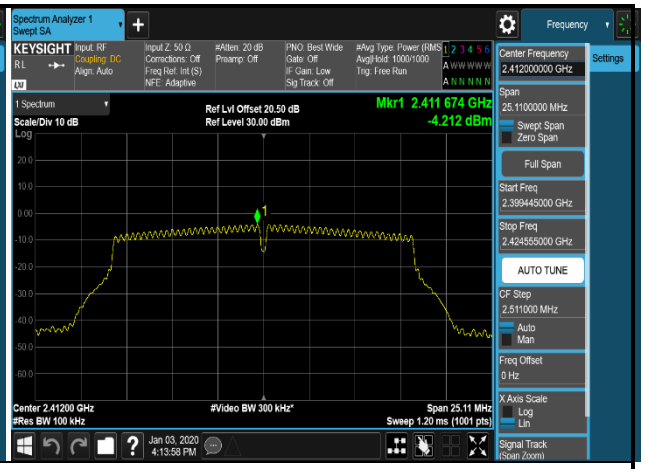
802.11b,2462MHz,Ant1

802.11g,2412MHz,Ant0

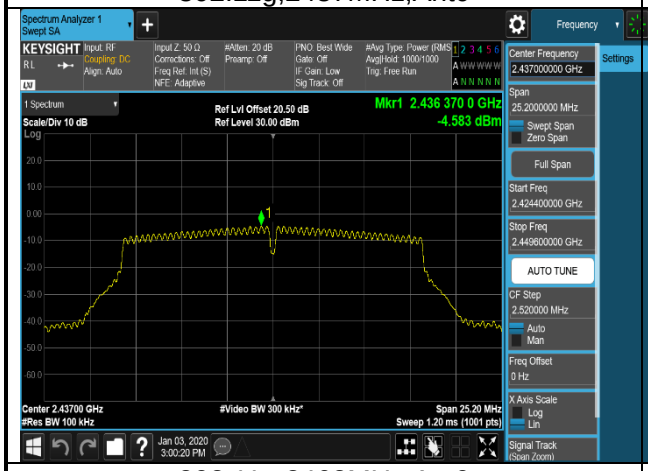
802.11g,2412MHz,Ant1

TEST REPORT

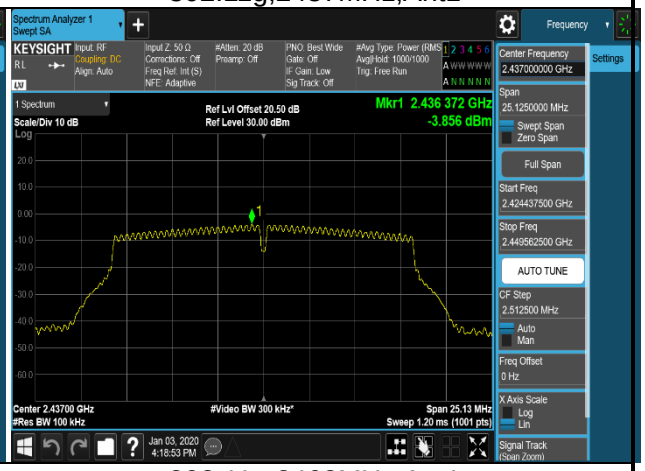
802.11g,2437MHz,Ant0



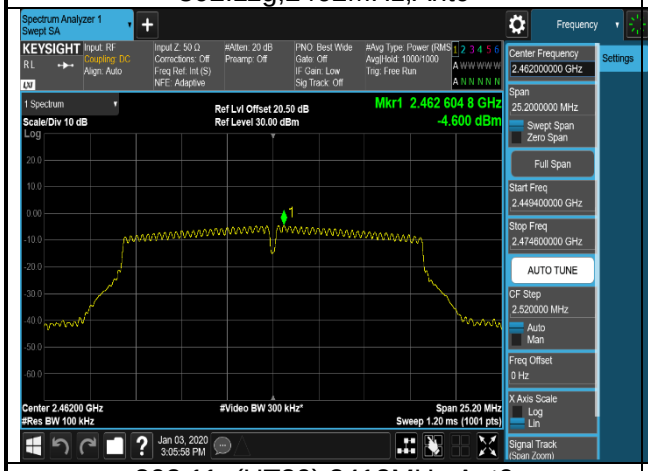
802.11g,2437MHz,Ant1



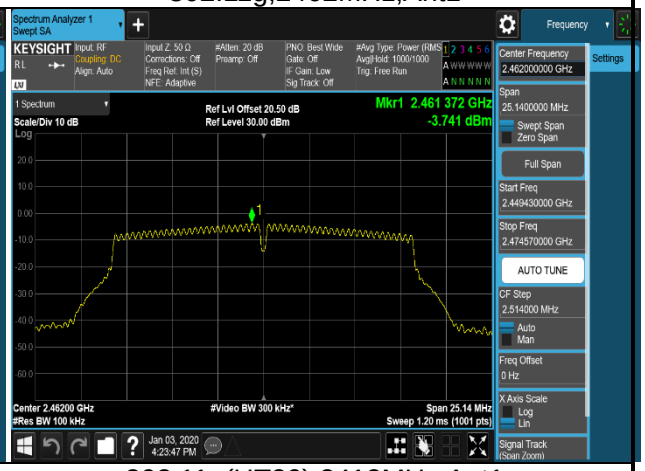
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

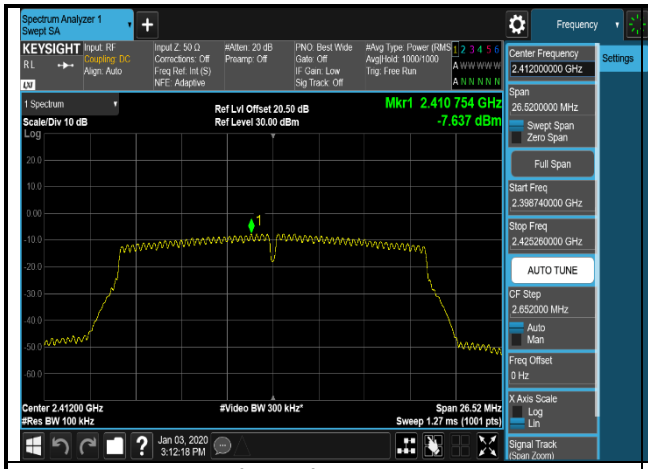


802.11n(HT20),2412MHz,Ant0

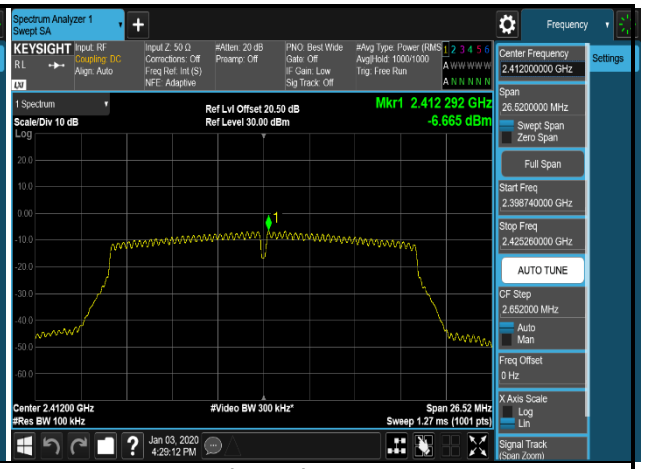


802.11n(HT20),2412MHz,Ant1

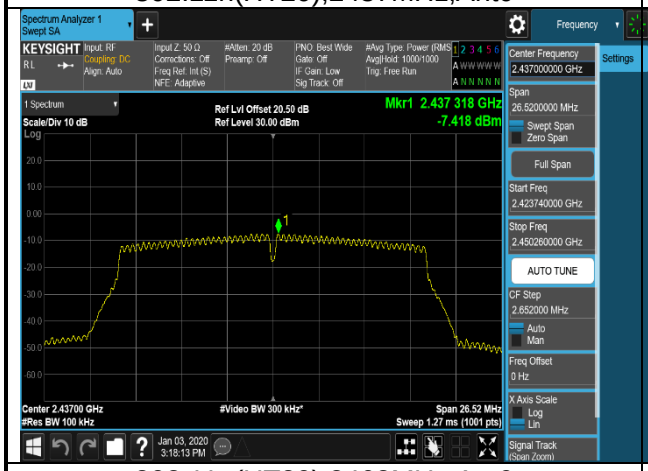
TEST REPORT



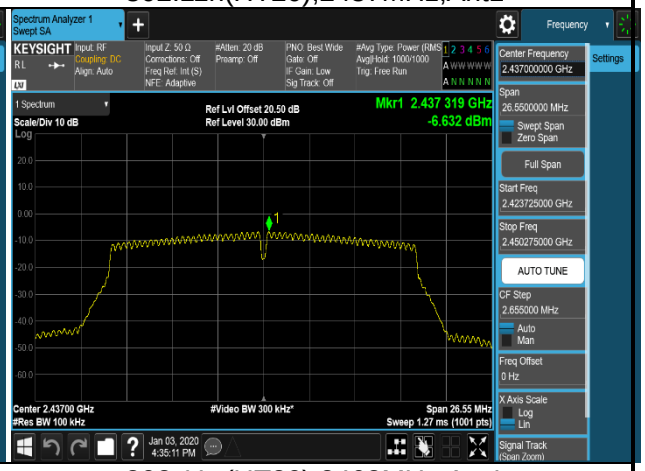
802.11n(HT20),2437MHz,Ant0



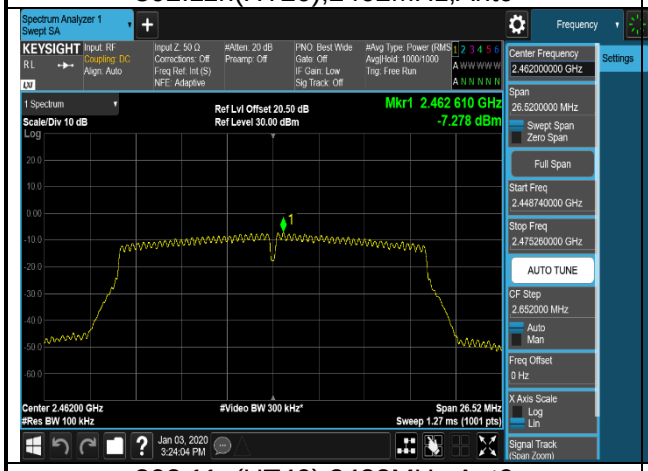
802.11n(HT20),2437MHz,Ant1



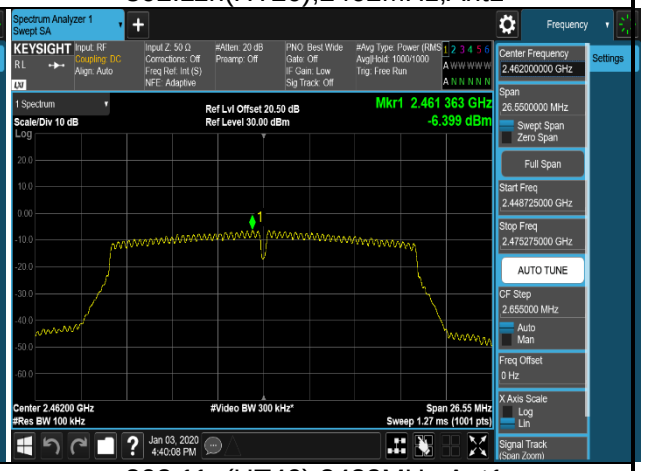
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1



802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2422MHz,Ant1