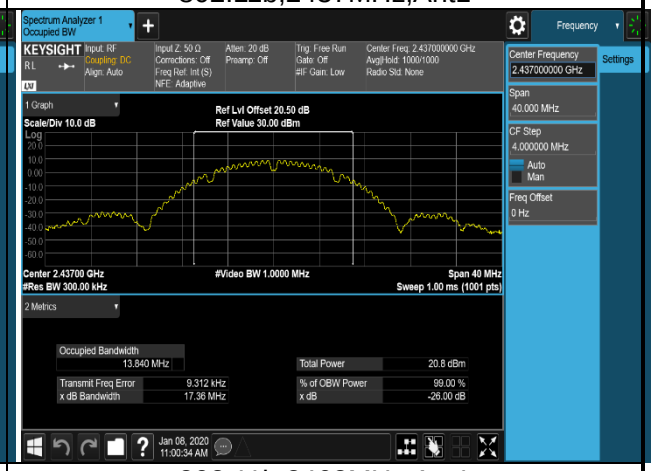
3.2 Test Plots

802.11b,2412MHz,Ant0

802.11b,2412MHz,Ant1

802.11b,2437MHz,Ant0

802.11b,2437MHz,Ant1



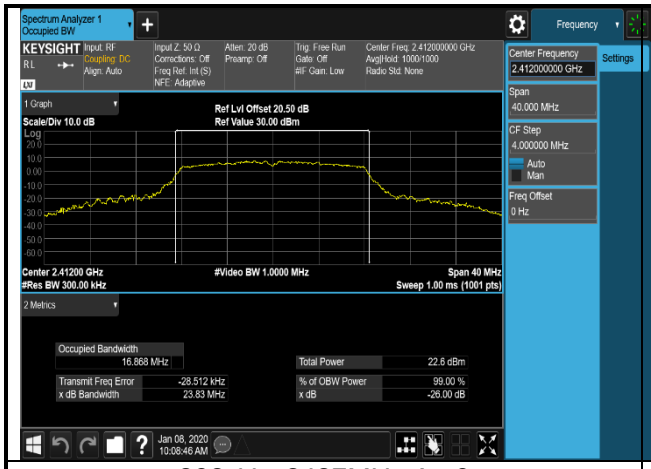
802.11b,2462MHz,Ant0

802.11b,2462MHz,Ant1

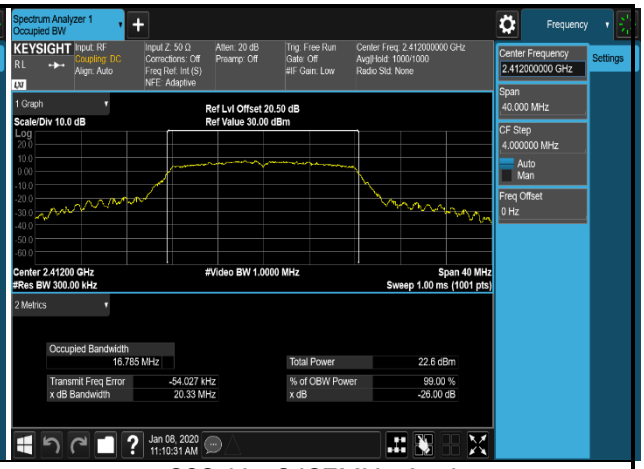
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

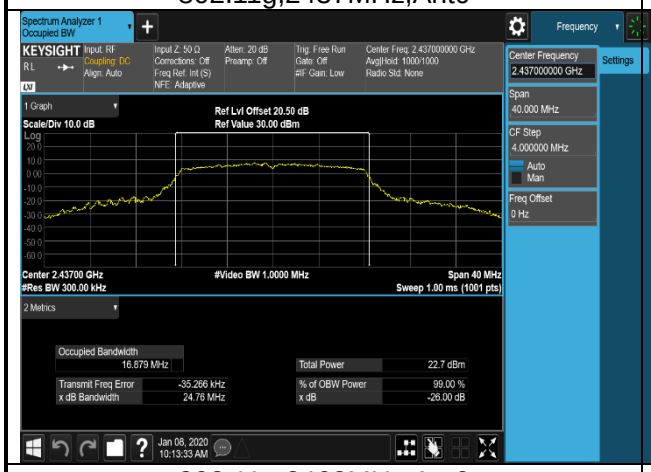
TEST REPORT



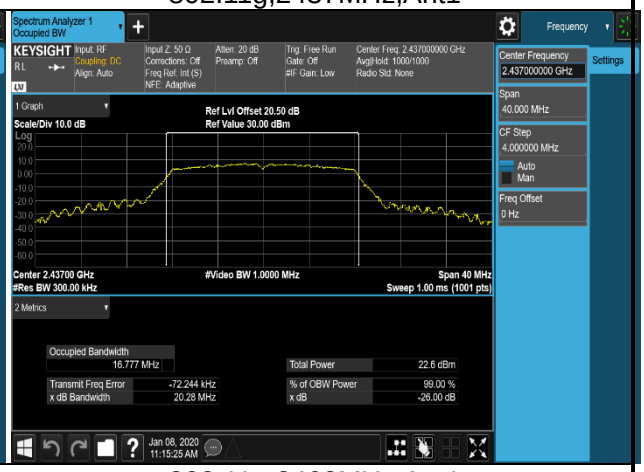
802.11g,2437MHz,Ant0



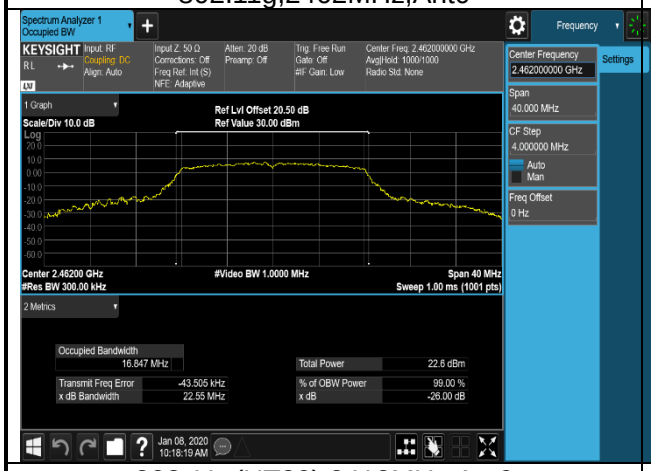
802.11g,2437MHz,Ant1



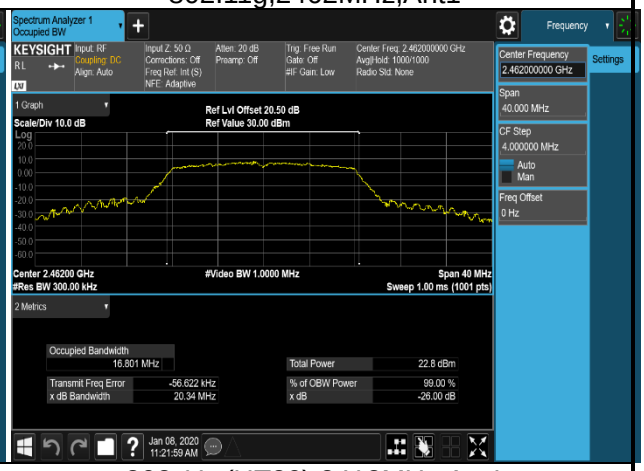
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

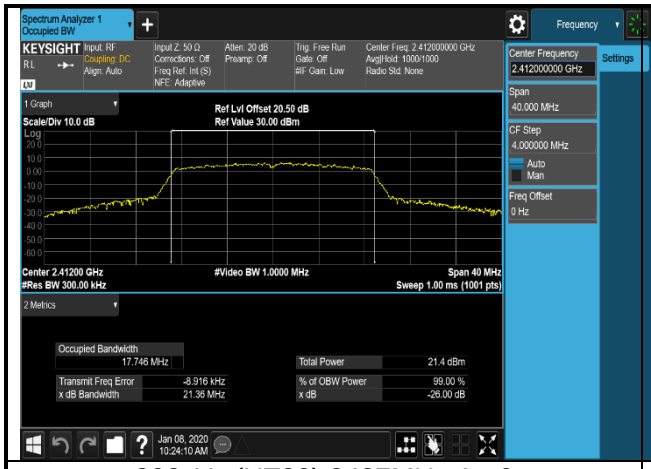


802.11n(HT20),2412MHz,Ant0

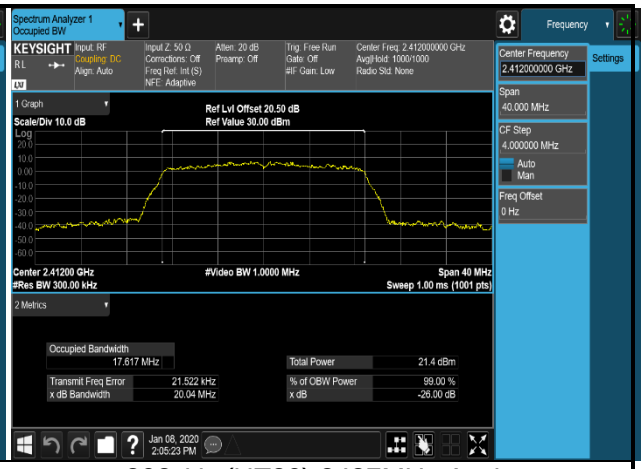


802.11n(HT20),2412MHz,Ant1

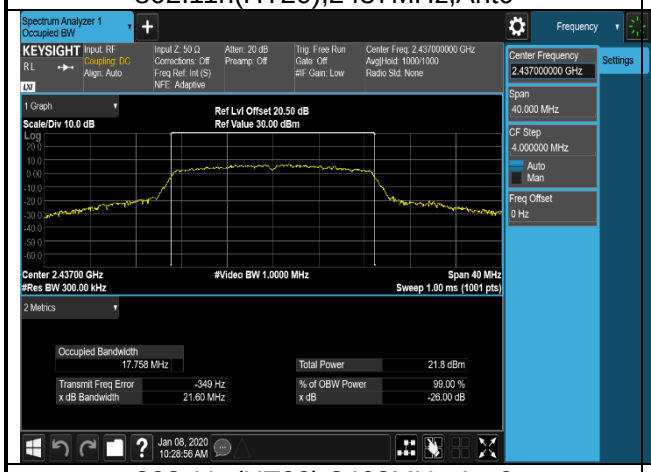
TEST REPORT



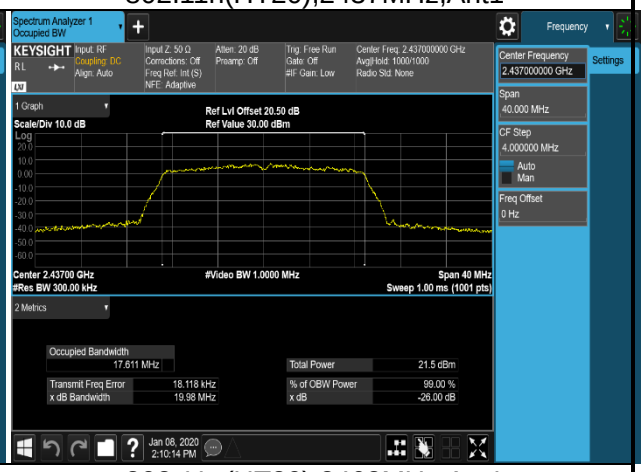
802.11n(HT20),2437MHz,Ant0



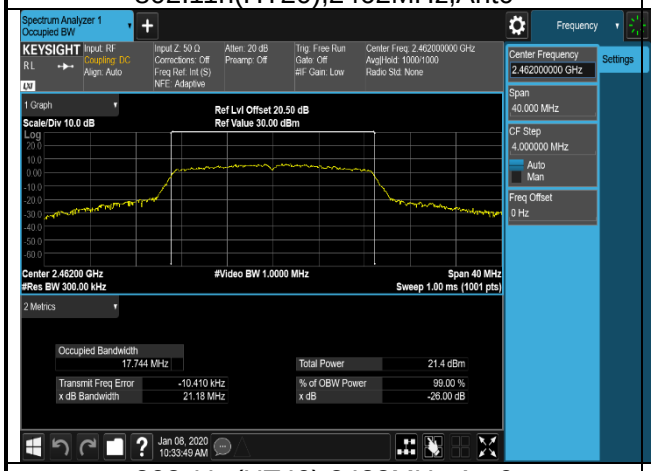
802.11n(HT20),2437MHz,Ant1



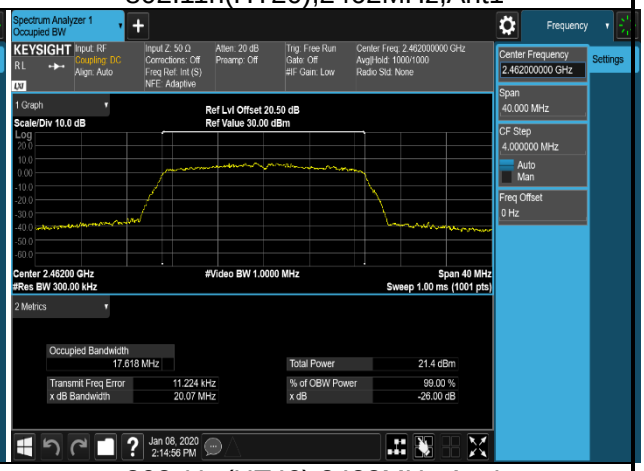
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1



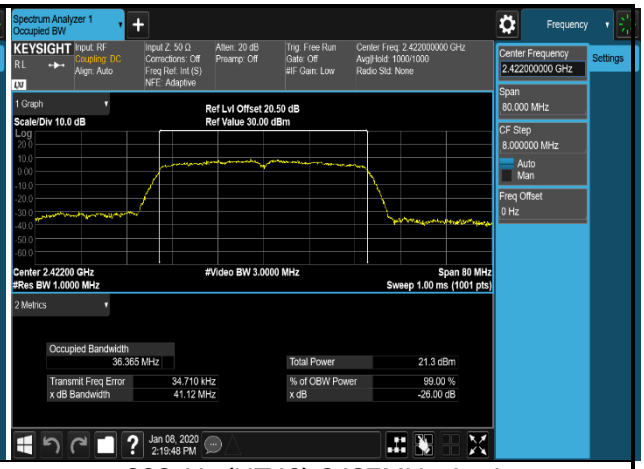
802.11n(HT40),2422MHz,Ant0



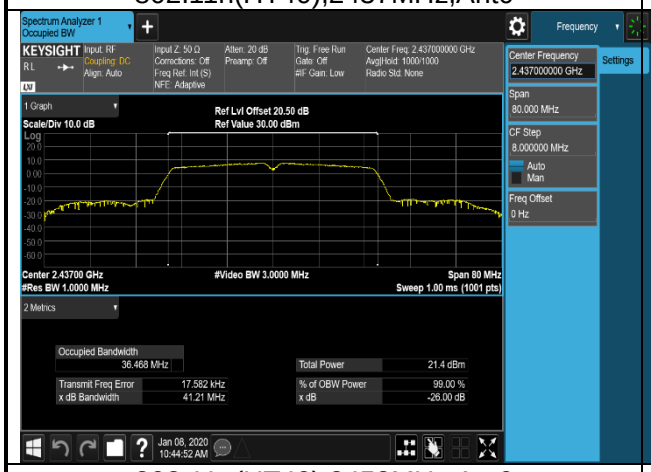
802.11n(HT40),2422MHz,Ant1

TEST REPORT

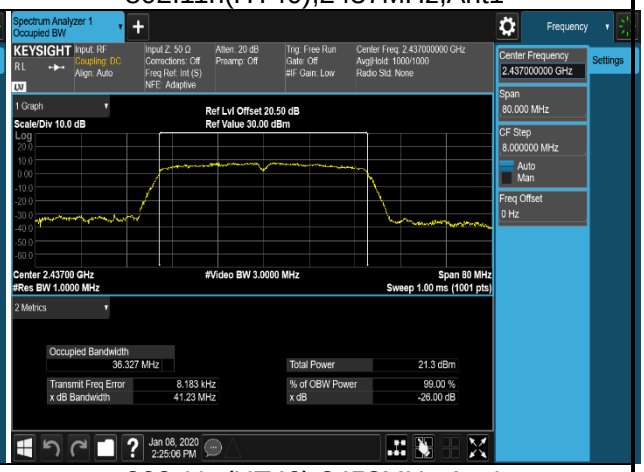
802.11n(HT40),2437MHz,Ant0



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

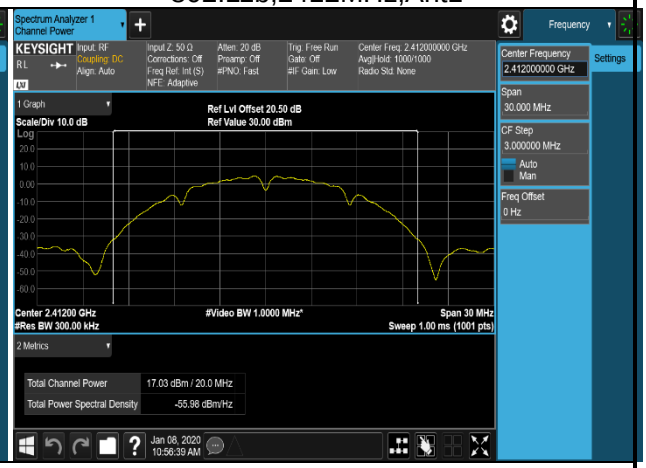
4.1 Test Data

	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	0.00	16.97	16.97	30	17.95	Pass
802.11b	2412	Ant1	0.00	17.03	17.03	30	18.01	Pass
802.11b	2437	Ant0	0.00	17.13	17.13	30	18.11	Pass
802.11b	2437	Ant1	0.00	17.03	17.03	30	18.01	Pass
802.11b	2462	Ant0	0.00	16.88	16.88	30	17.86	Pass
802.11b	2462	Ant1	0.00	17.14	17.14	30	18.12	Pass
802.11g	2412	Ant0	0.11	15.99	15.99	30	16.97	Pass
802.11g	2412	Ant1	0.10	16.00	16.00	30	16.98	Pass
802.11g	2437	Ant0	0.11	16.10	16.10	30	17.08	Pass
802.11g	2437	Ant1	0.10	15.96	15.96	30	16.94	Pass
802.11g	2462	Ant0	0.11	15.92	15.92	30	16.90	Pass
802.11g	2462	Ant1	0.11	16.16	16.16	30	17.14	Pass
802.11n (HT20)	2412	Ant0	0.12	14.65	17.76	30	18.74	Pass
802.11n (HT20)	2412	Ant1	0.12	14.85				
802.11n (HT20)	2437	Ant0	0.12	15.04	17.98	30	18.96	Pass
802.11n (HT20)	2437	Ant1	0.12	14.90				
802.11n (HT20)	2462	Ant0	0.11	14.62	17.79	30	18.77	Pass
802.11n (HT20)	2462	Ant1	0.11	14.93				
802.11n (HT40)	2422	Ant0	0.23	13.56	16.57	30	17.55	Pass
802.11n (HT40)	2422	Ant1	0.23	13.55				
802.11n (HT40)	2437	Ant0	0.22	13.76	16.68	30	17.66	Pass
802.11n (HT40)	2437	Ant1	0.22	13.57				
802.11n (HT40)	2452	Ant0	0.23	13.68	16.64	30	17.62	Pass
802.11n (HT40)	2452	Ant1	0.22	13.57				

4.2 Test Plots

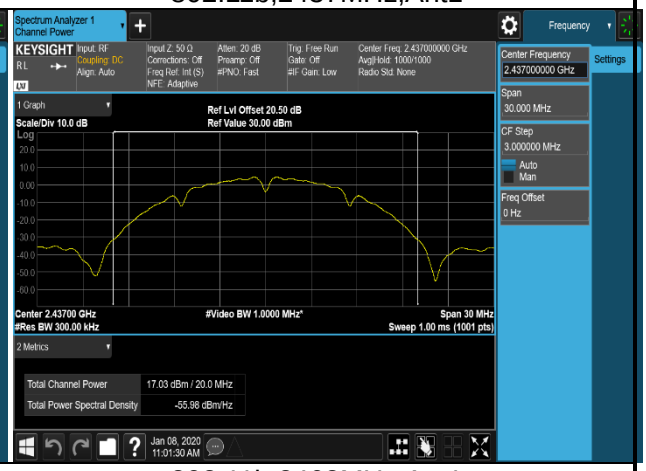
802.11b,2412MHz,Ant0

802.11b,2412MHz,Ant1



802.11b,2437MHz,Ant0

802.11b,2437MHz,Ant1



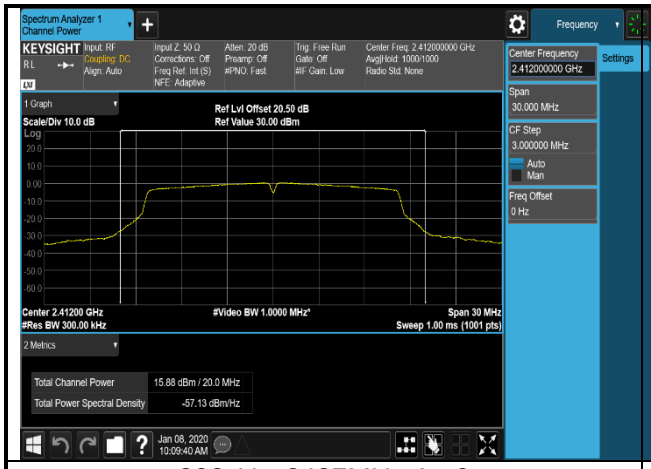
802.11b,2462MHz,Ant0

802.11b,2462MHz,Ant1

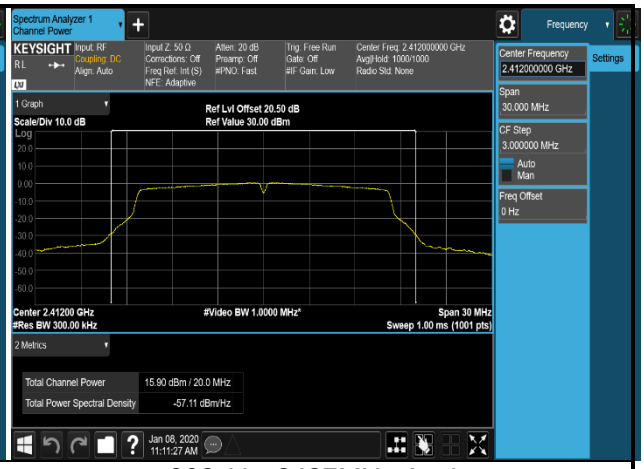
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

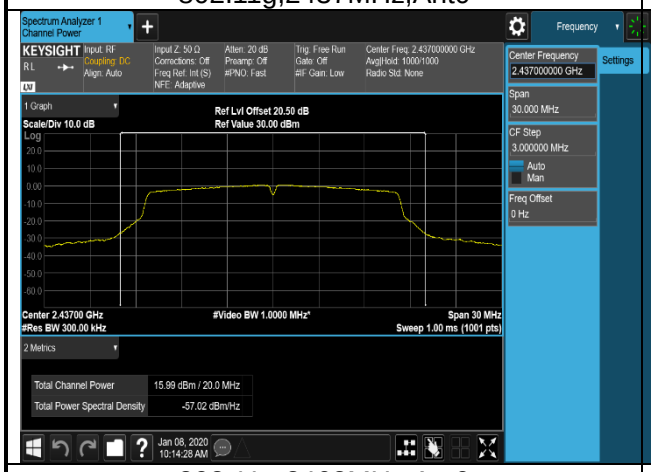
TEST REPORT



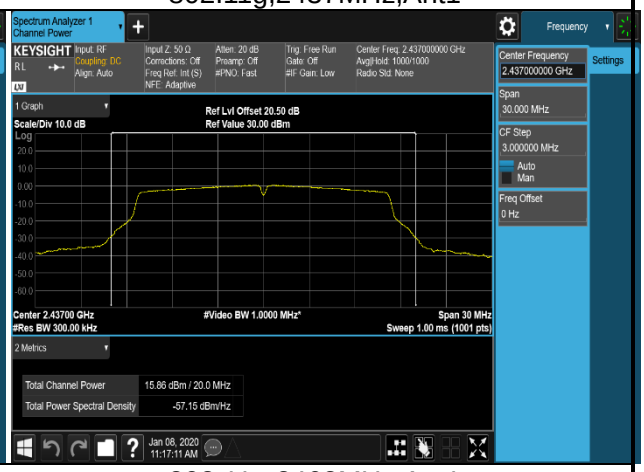
802.11g,2437MHz,Ant0



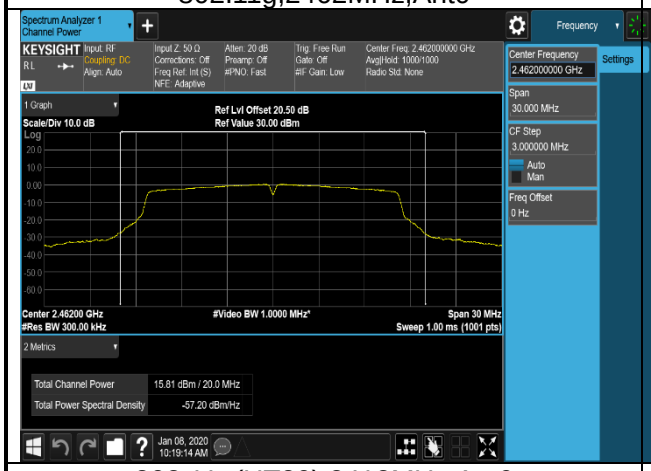
802.11g,2437MHz,Ant1



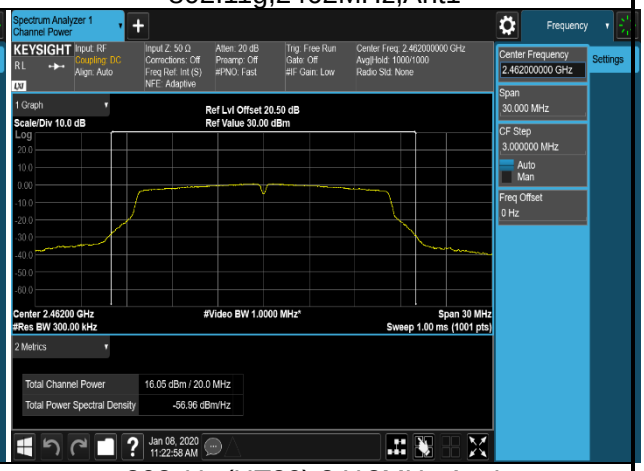
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

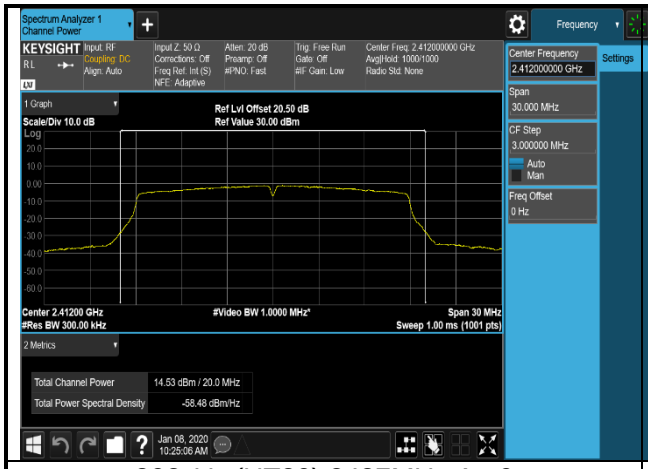


802.11n(HT20),2412MHz,Ant0

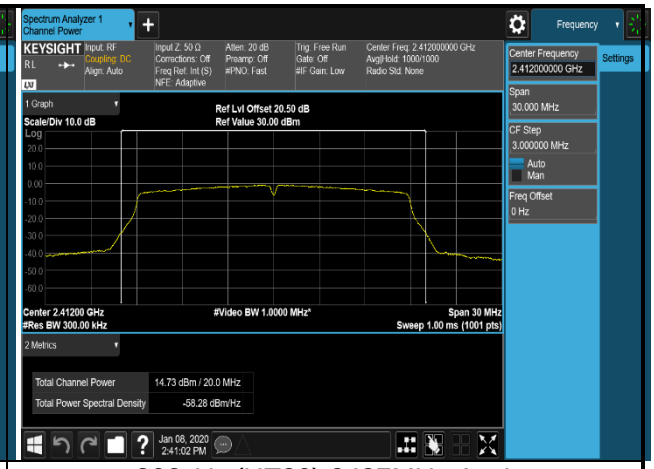


802.11n(HT20),2412MHz,Ant1

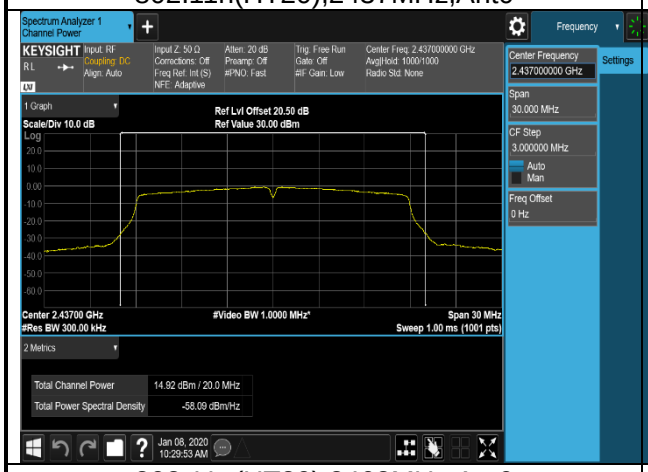
TEST REPORT



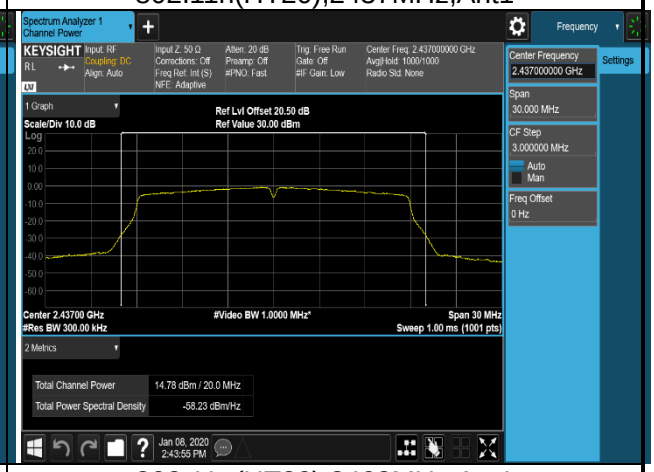
802.11n(HT20),2437MHz,Ant0



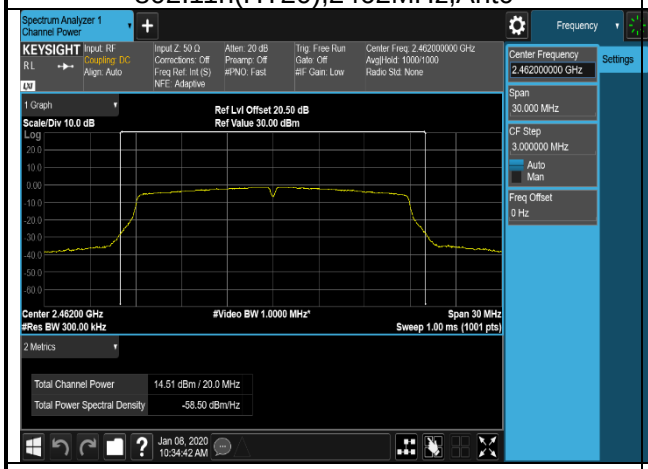
802.11n(HT20),2437MHz,Ant1



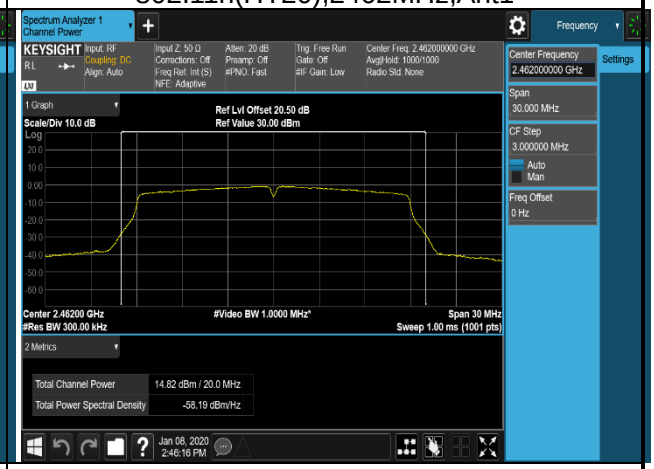
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1

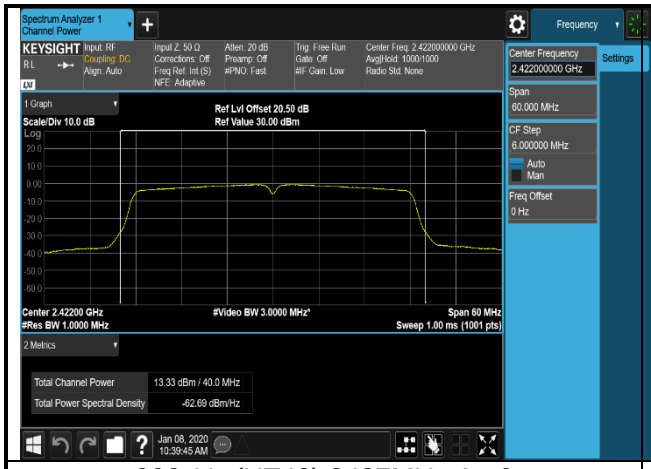


802.11n(HT40),2422MHz,Ant0

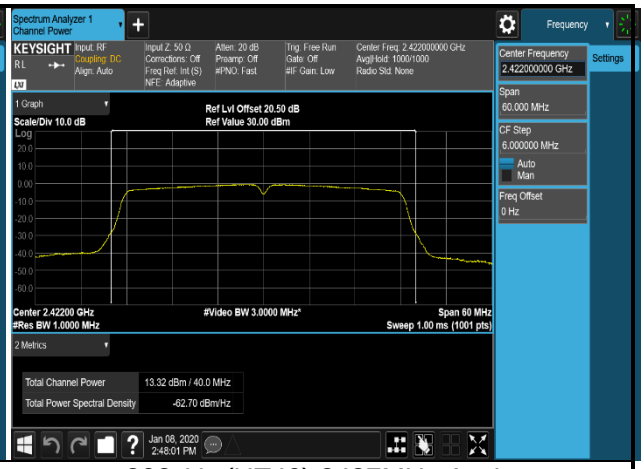


802.11n(HT40),2422MHz,Ant1

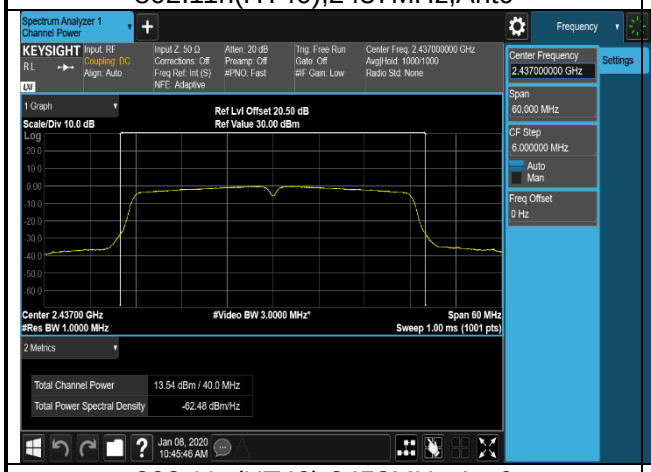
TEST REPORT



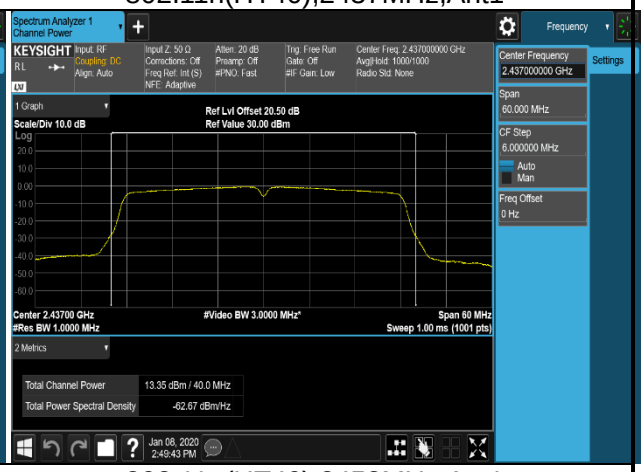
802.11n(HT40),2437MHz,Ant0



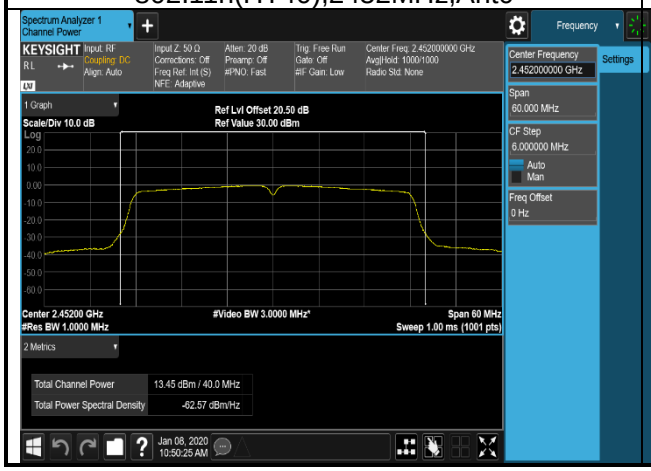
802.11n(HT40),2437MHz,Ant1

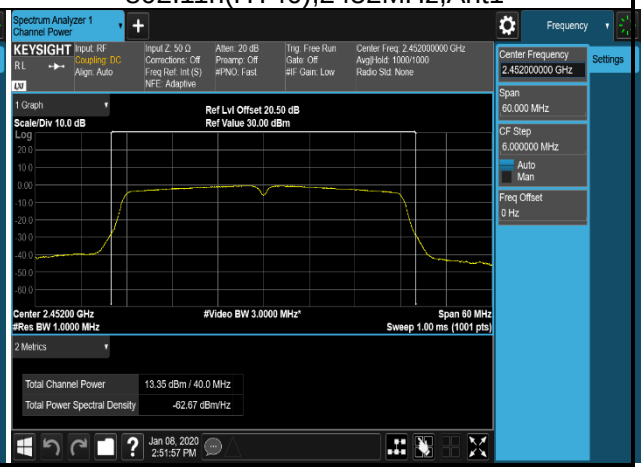


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





5. Power spectrum density

5.1 Test Data

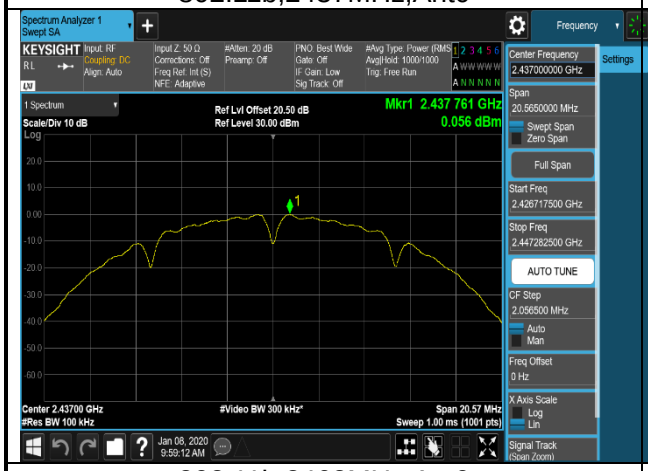
	WLAN AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	Max or total PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11b	2412	Ant0	0.00	-0.197	-0.197	100	8	Pass
802.11b	2412	Ant1	0.00	-0.118	-0.118	100	8	Pass
802.11b	2437	Ant0	0.00	0.056	0.056	100	8	Pass
802.11b	2437	Ant1	0.00	-0.170	-0.170	100	8	Pass
802.11b	2462	Ant0	0.00	-0.263	-0.263	100	8	Pass
802.11b	2462	Ant1	0.00	0.049	0.049	100	8	Pass
802.11g	2412	Ant0	0.11	-3.196	-3.196	100	8	Pass
802.11g	2412	Ant1	0.10	-3.210	-3.210	100	8	Pass
802.11g	2437	Ant0	0.11	-2.883	-2.883	100	8	Pass
802.11g	2437	Ant1	0.10	-3.117	-3.117	100	8	Pass
802.11g	2462	Ant0	0.11	-3.315	-3.315	100	8	Pass
802.11g	2462	Ant1	0.11	-3.026	-3.026	100	8	Pass
802.11n (HT20)	2412	Ant0	0.12	-4.821	-1.656	100	8	Pass
802.11n (HT20)	2412	Ant1	0.12	-4.517				
802.11n (HT20)	2437	Ant0	0.12	-4.285	-1.329	100	8	Pass
802.11n (HT20)	2437	Ant1	0.12	-4.394				
802.11n (HT20)	2462	Ant0	0.11	-4.730	-1.569	100	8	Pass
802.11n (HT20)	2462	Ant1	0.11	-4.433				
802.11n (HT40)	2422	Ant0	0.23	-9.112	-6.104	100	8	Pass
802.11n (HT40)	2422	Ant1	0.23	-9.116				
802.11n (HT40)	2437	Ant0	0.22	-9.014	-5.946	100	8	Pass
802.11n (HT40)	2437	Ant1	0.22	-8.900				
802.11n (HT40)	2452	Ant0	0.23	-8.987	-6.029	100	8	Pass
802.11n (HT40)	2452	Ant1	0.22	-9.092				

5.2 Test Plots

802.11b,2412MHz,Ant0

802.11b,2412MHz,Ant1

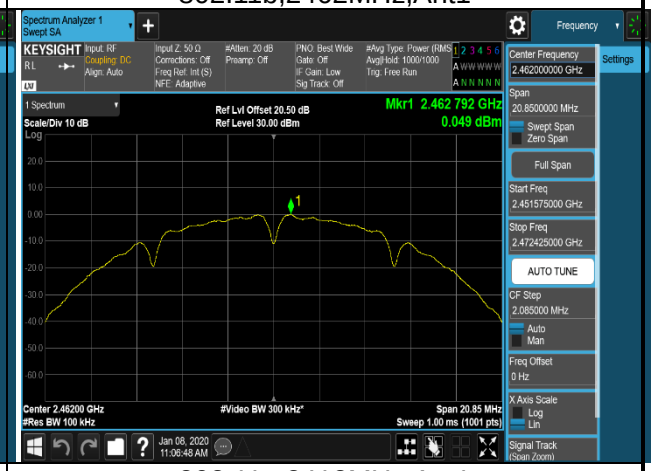
802.11b,2437MHz,Ant0



802.11b,2437MHz,Ant1

802.11b,2462MHz,Ant0

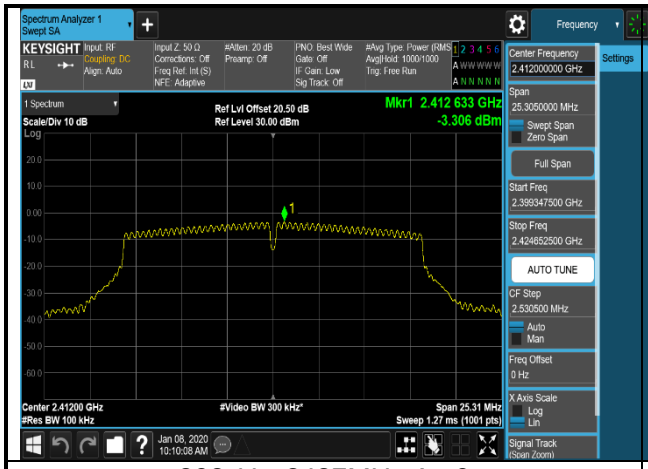
802.11b,2462MHz,Ant1



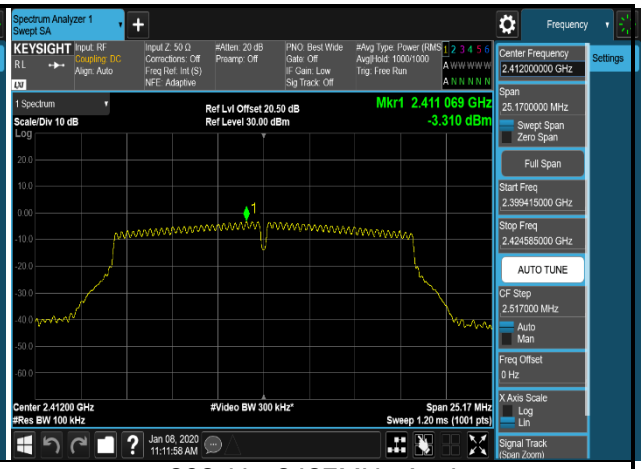
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

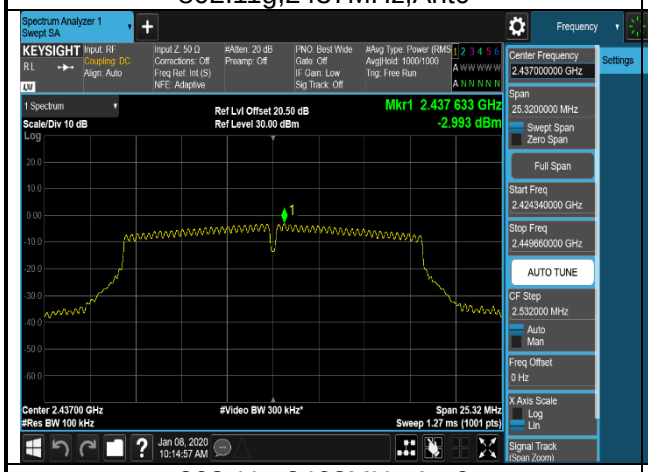
TEST REPORT



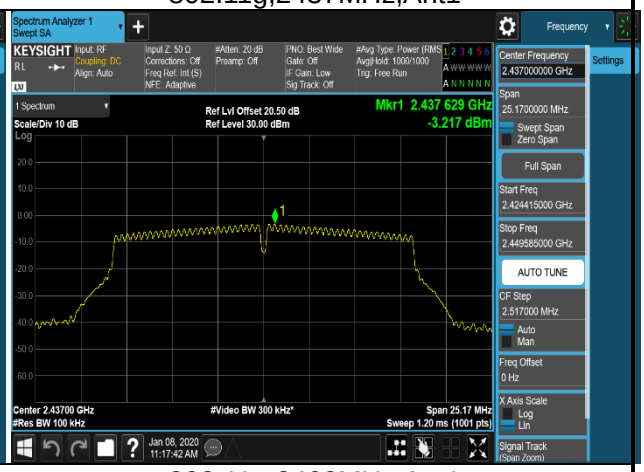
802.11g,2437MHz,Ant0



802.11g,2437MHz,Ant1



802.11g,2462MHz,Ant0



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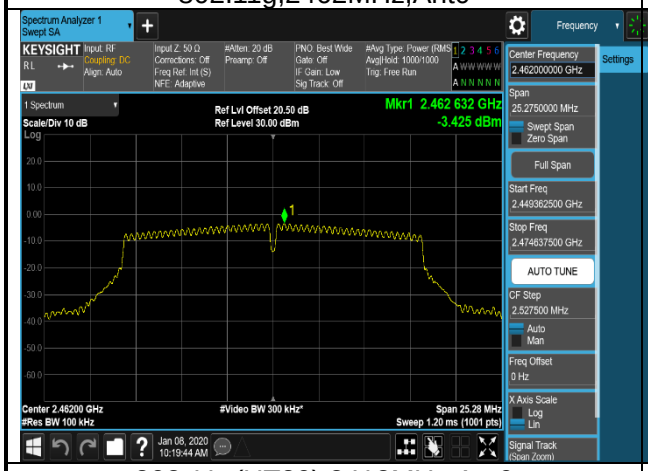
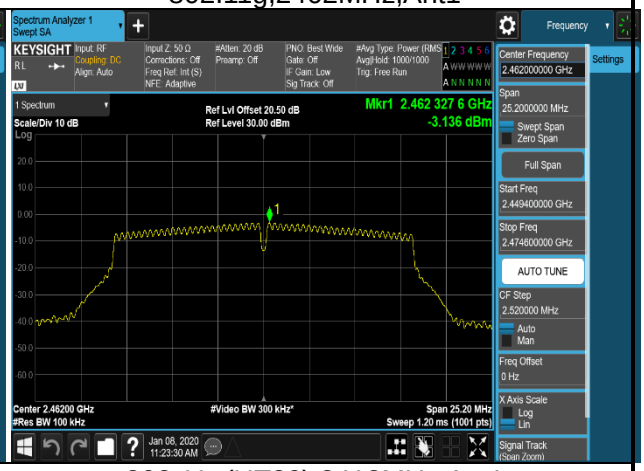
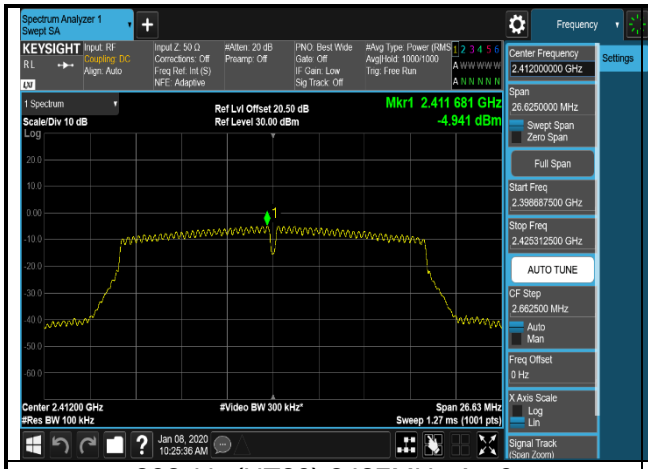


802.11n(HT20),2412MHz,Ant0

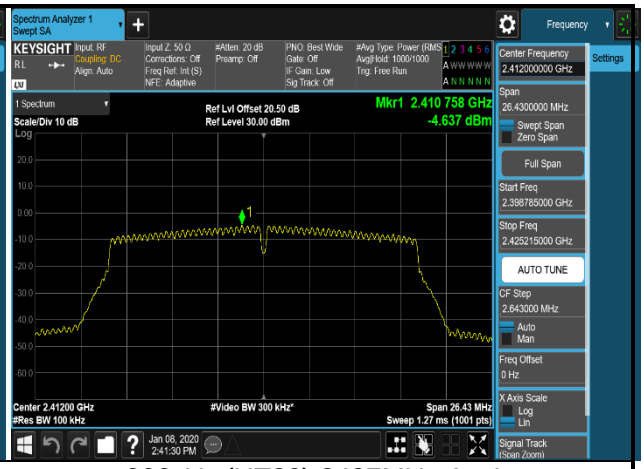


802.11n(HT20),2412MHz,Ant1

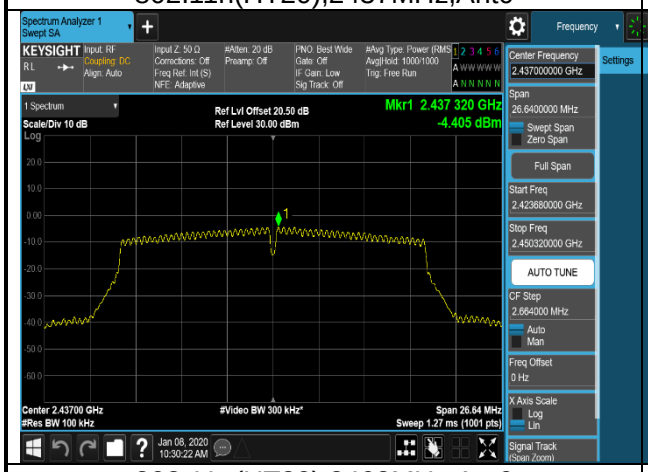
TEST REPORT



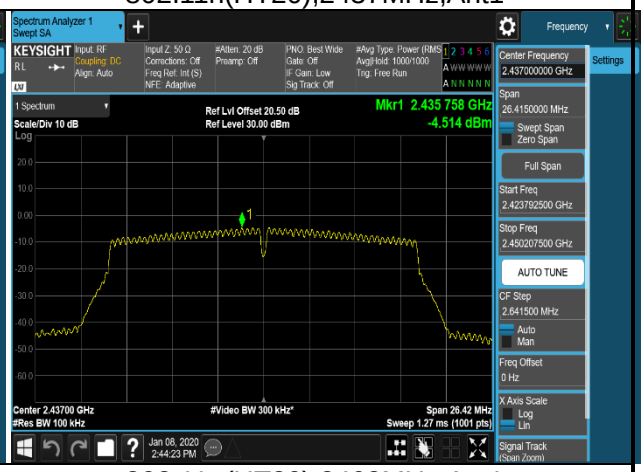
802.11n(HT20),2437MHz,Ant0



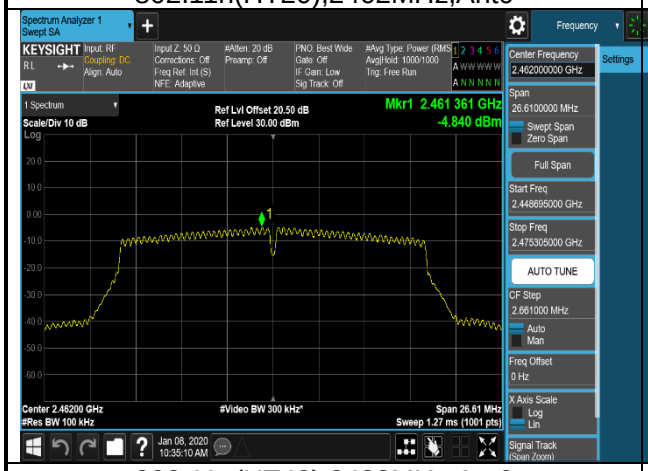
802.11n(HT20),2437MHz,Ant1



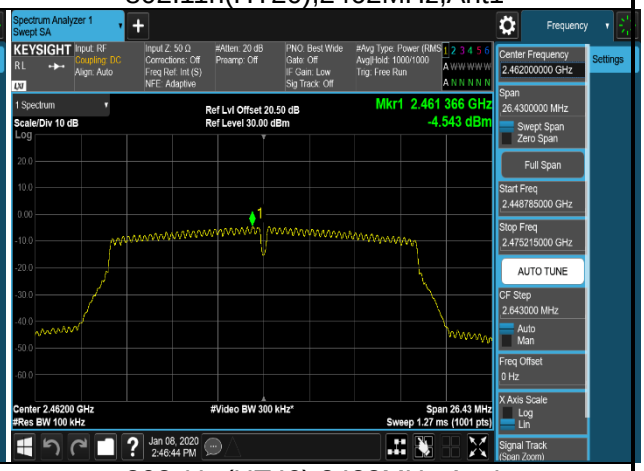
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1



802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2422MHz,Ant1