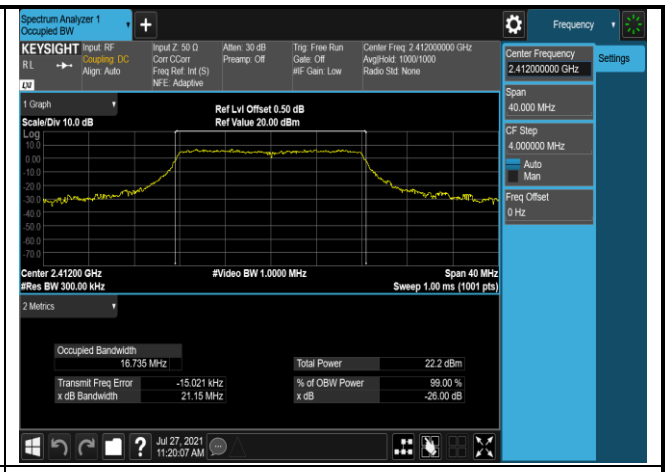
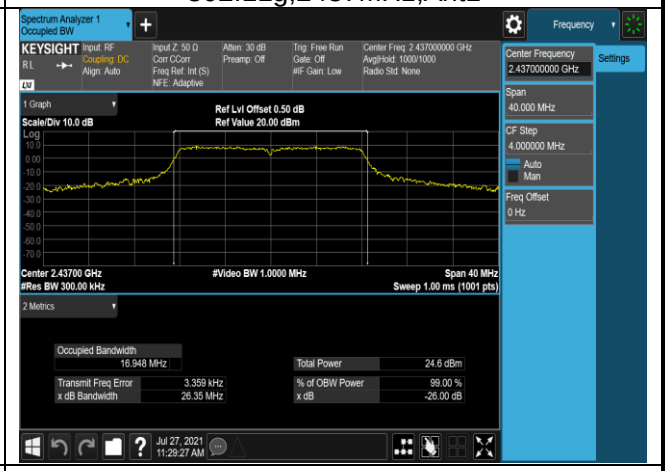
802.11g,2437MHz,Ant0

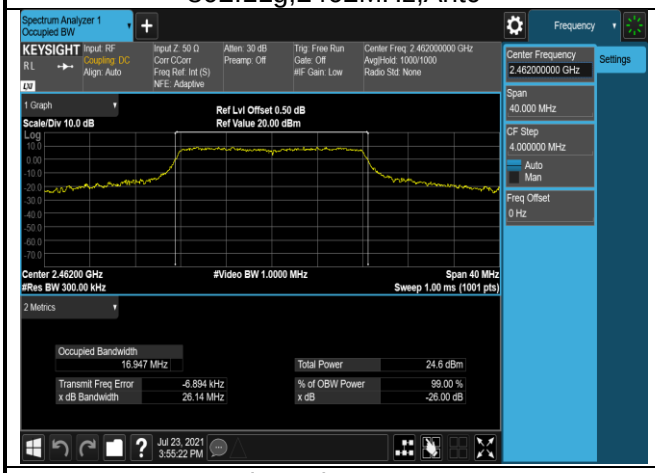


802.11g,2437MHz,Ant1

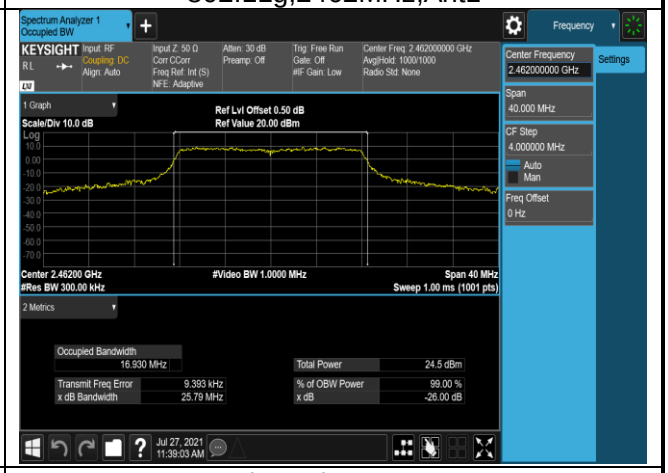
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1



802.11n(HT20),2412MHz,Ant0



802.11n(HT20),2412MHz,Ant1

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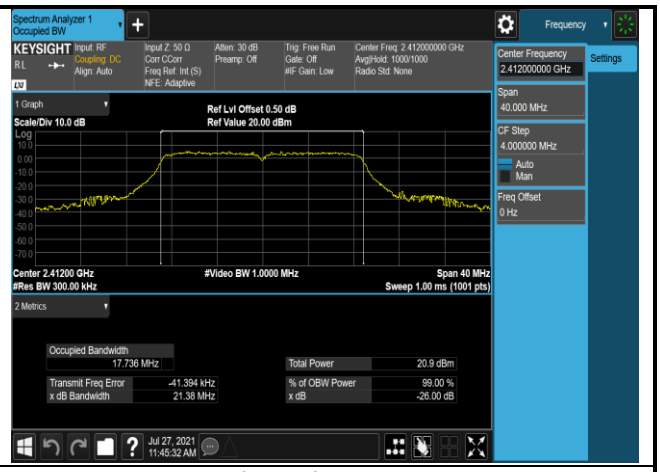
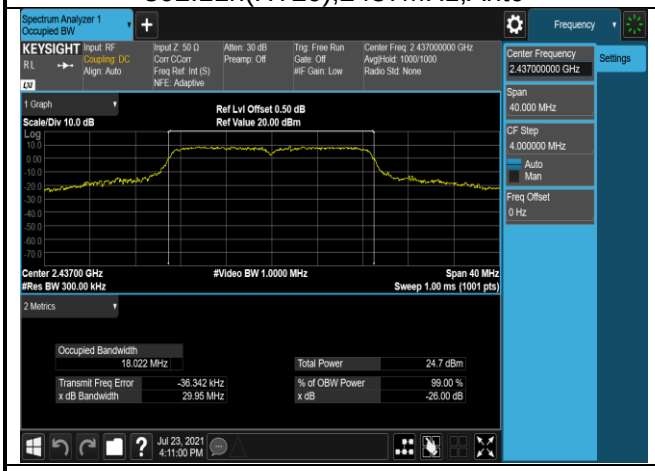
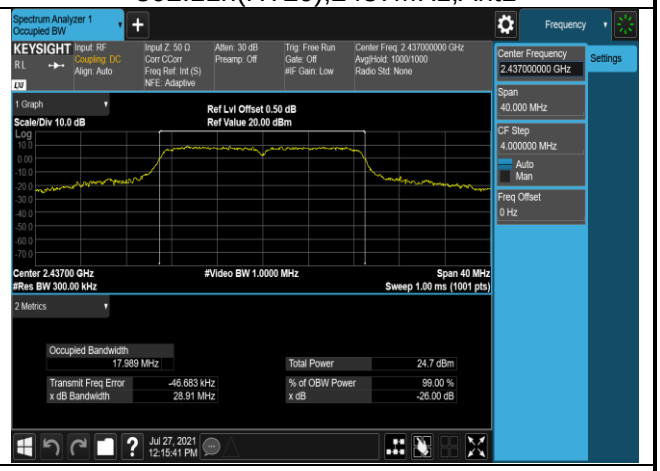
802.11n(HT20),2437MHz,Ant0



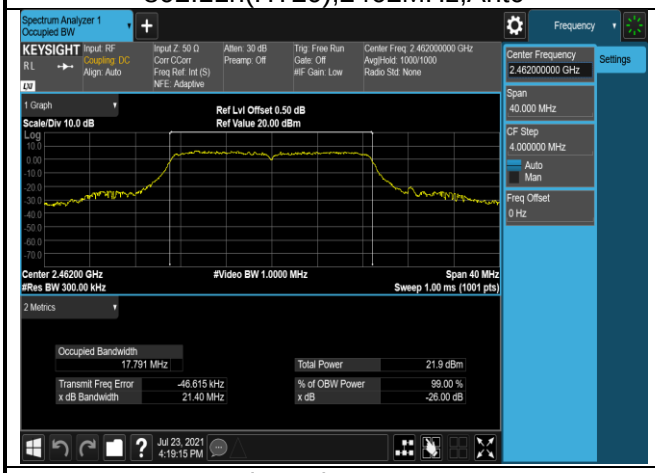
802.11n(HT20),2437MHz,Ant1



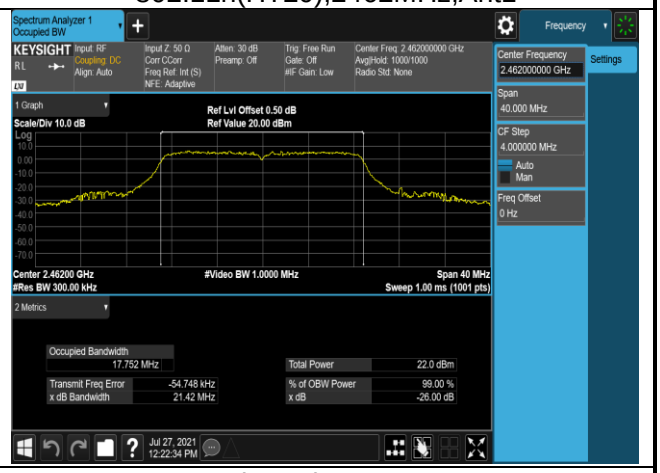
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1



802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2422MHz,Ant1

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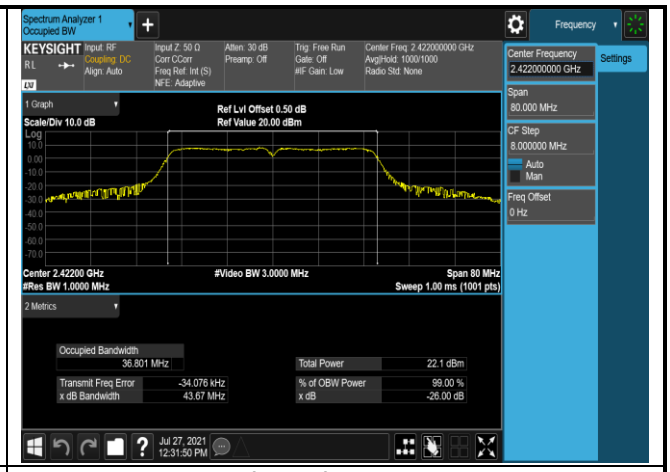
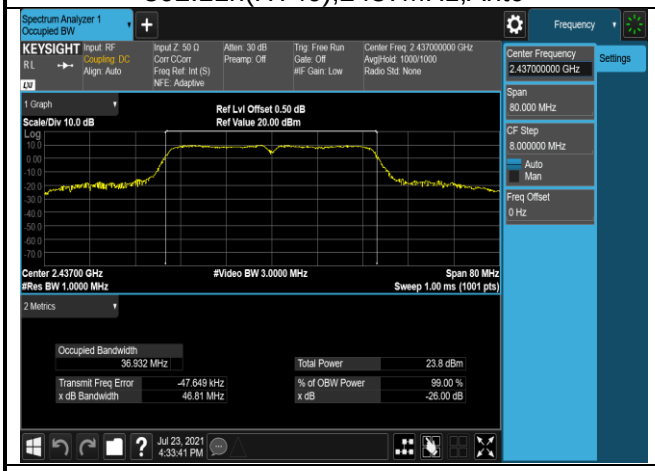
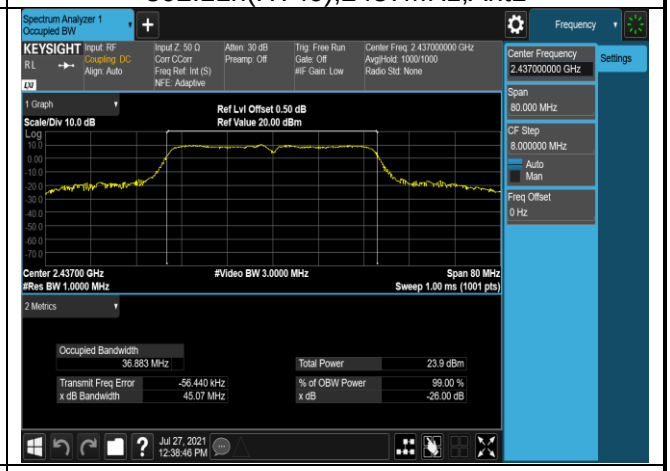
802.11n(HT40),2437MHz,Ant0



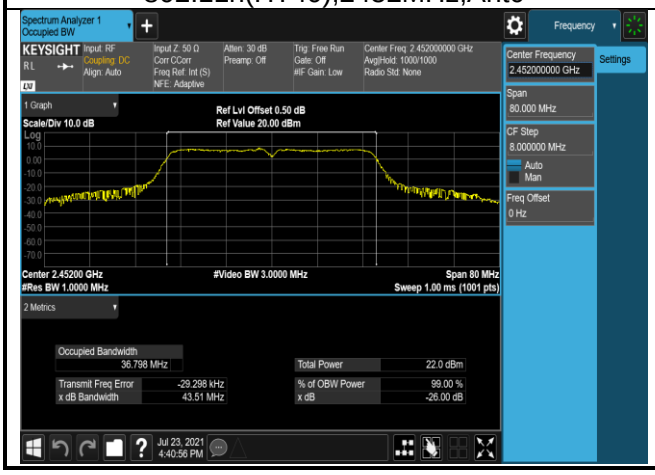
802.11n(HT40),2437MHz,Ant1

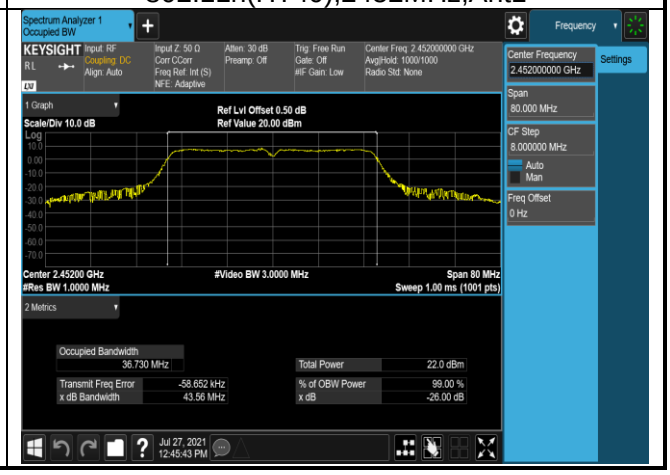


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





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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)	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	0.50	15.33	30	15.33	Pass
802.11b	2412	Ant1	0.50	16.04	30	16.04	Pass
802.11b	2437	Ant0	0.50	16.79	30	16.79	Pass
802.11b	2437	Ant1	0.50	16.63	30	16.63	Pass
802.11b	2462	Ant0	0.50	16.78	30	16.78	Pass
802.11b	2462	Ant1	0.50	16.63	30	16.63	Pass
802.11g	2412	Ant0	2.38	15.75	30	15.75	Pass
802.11g	2412	Ant1	2.39	15.41	30	15.41	Pass
802.11g	2437	Ant0	2.39	17.88	30	17.88	Pass
802.11g	2437	Ant1	2.39	17.63	30	17.63	Pass
802.11g	2462	Ant0	2.39	17.98	30	17.98	Pass
802.11g	2462	Ant1	2.39	17.58	30	17.58	Pass
802.11n (HT20)	2412	Ant0	2.51	14.24	30	14.24	Pass
802.11n (HT20)	2412	Ant1	2.51	14.02	30	14.02	Pass
802.11n (HT20)	2437	Ant0	2.54	18.08	30	18.08	Pass
802.11n (HT20)	2437	Ant1	2.54	17.96	30	17.96	Pass
802.11n (HT20)	2462	Ant0	2.52	15.29	30	15.29	Pass
802.11n (HT20)	2462	Ant1	2.51	15.16	30	15.16	Pass
802.11n (HT40)	2422	Ant0	4.13	14.07	30	14.07	Pass
802.11n (HT40)	2422	Ant1	4.09	14.14	30	14.14	Pass
802.11n (HT40)	2437	Ant0	4.09	16.58	30	16.58	Pass
802.11n (HT40)	2437	Ant1	4.16	15.70	30	15.70	Pass
802.11n (HT40)	2452	Ant0	4.16	14.74	30	14.74	Pass

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802.11n (HT40)	2452	Ant1	4.13	13.66	30	13.66	Pass

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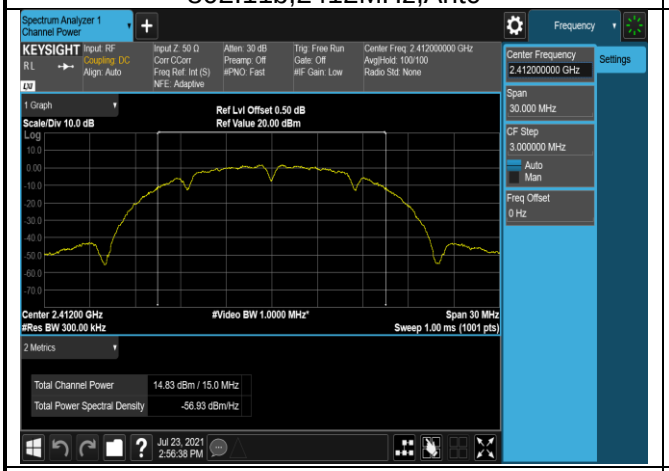
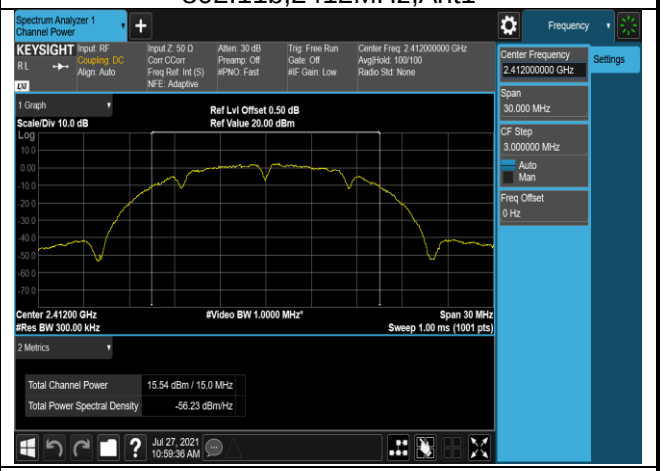
4.2 Test Plots

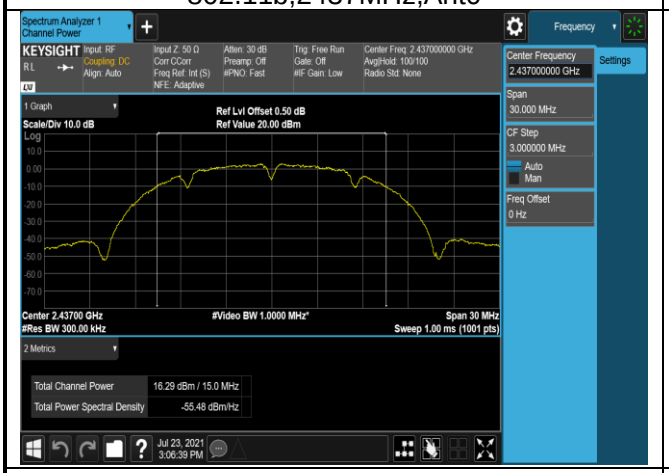
802.11b,2412MHz,Ant0



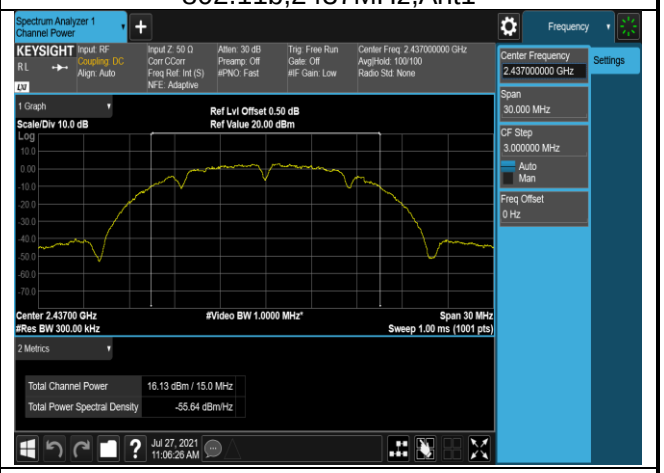
802.11b,2412MHz,Ant1



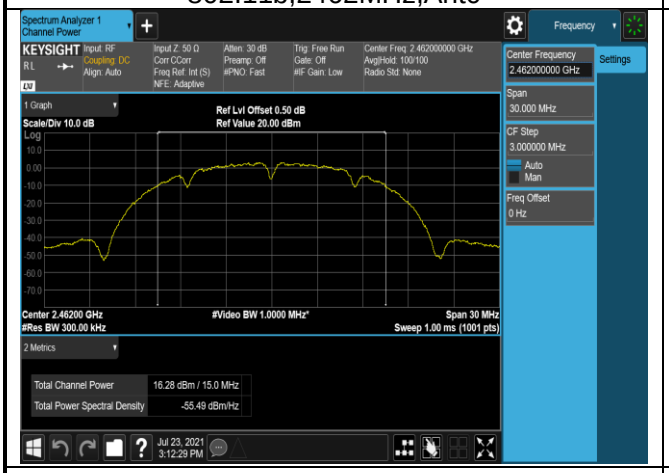
802.11b,2437MHz,Ant0



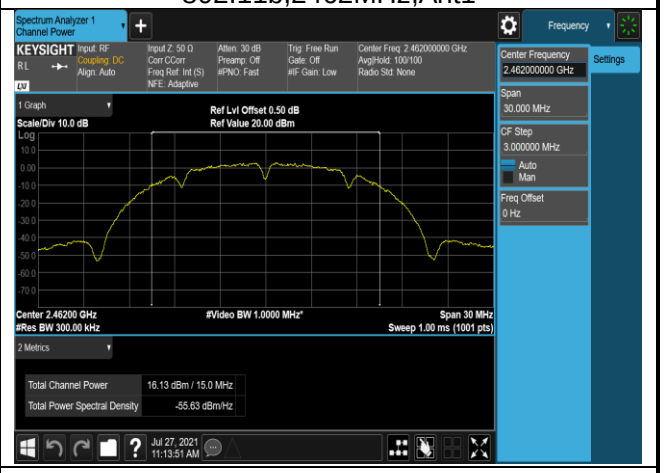
802.11b,2437MHz,Ant1



802.11b,2462MHz,Ant0



802.11b,2462MHz,Ant1



802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

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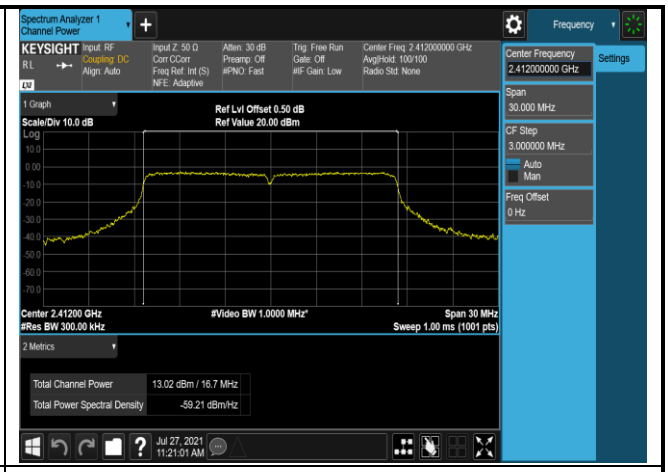
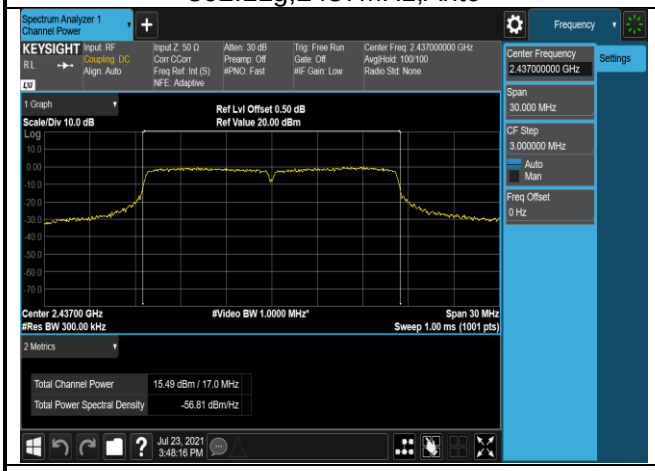
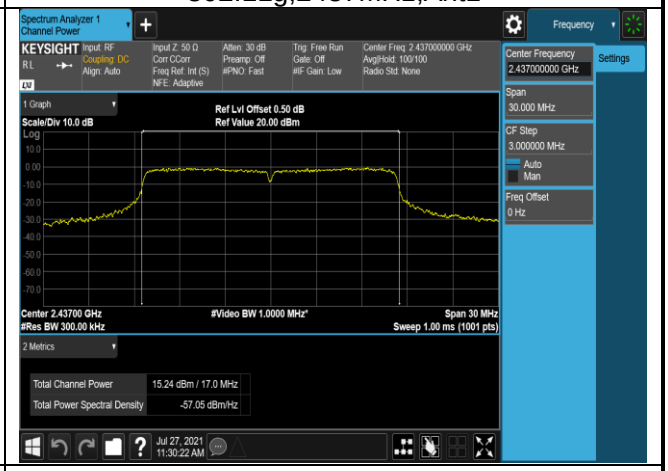
802.11g,2437MHz,Ant0



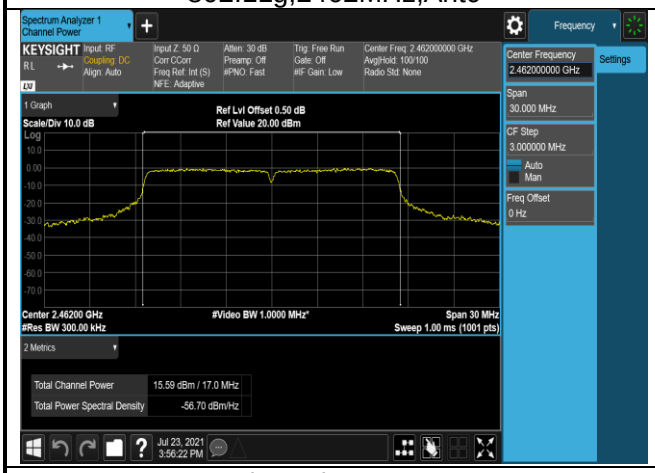
802.11g,2437MHz,Ant1



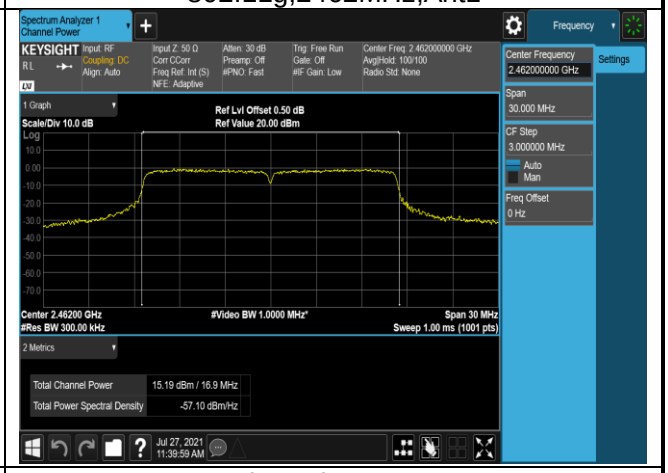
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1



802.11n(HT20),2412MHz,Ant0



802.11n(HT20),2412MHz,Ant1

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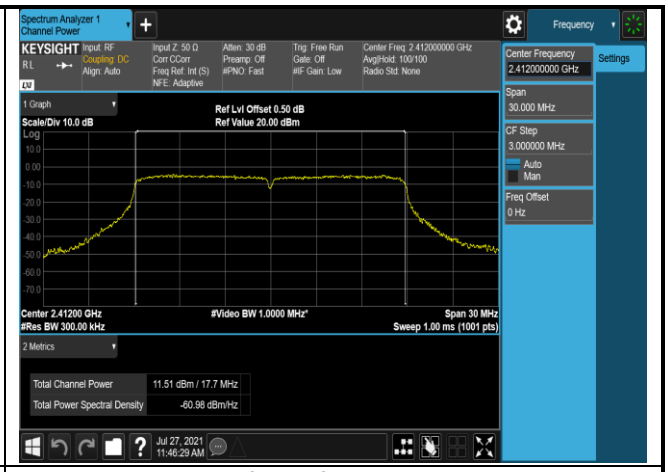
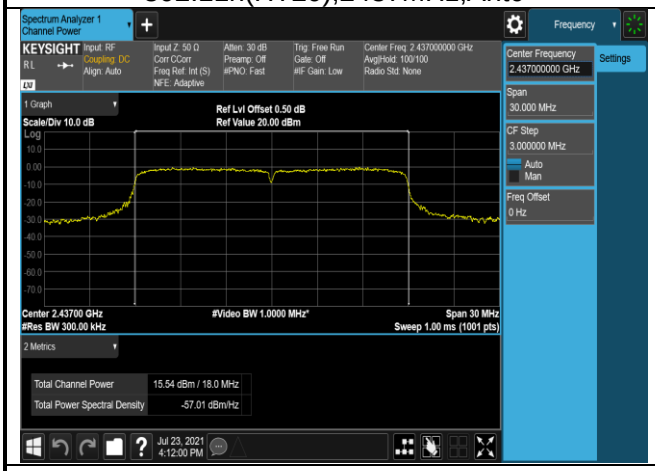
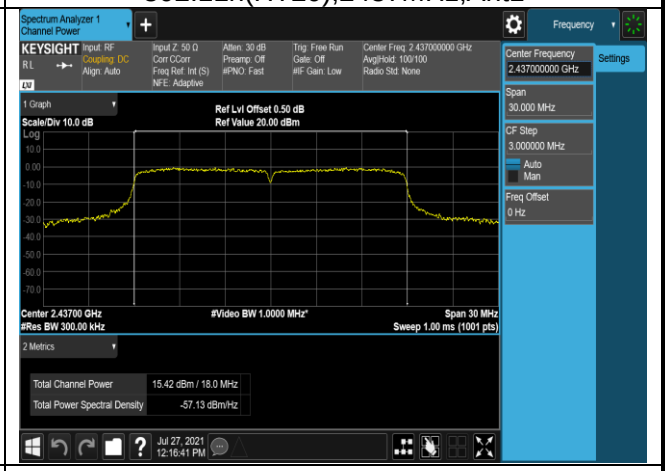
802.11n(HT20),2437MHz,Ant0



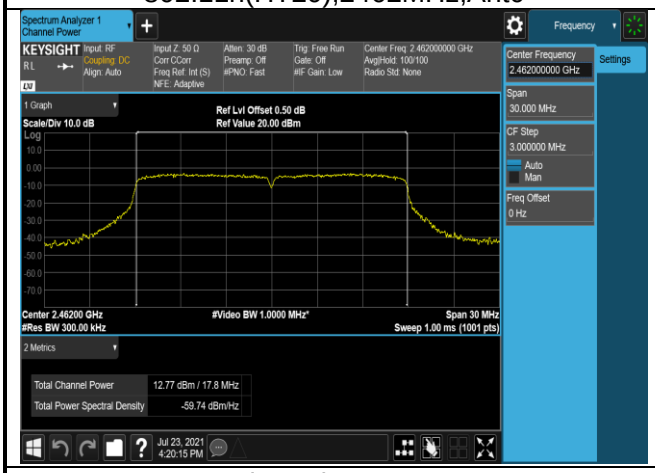
802.11n(HT20),2437MHz,Ant1



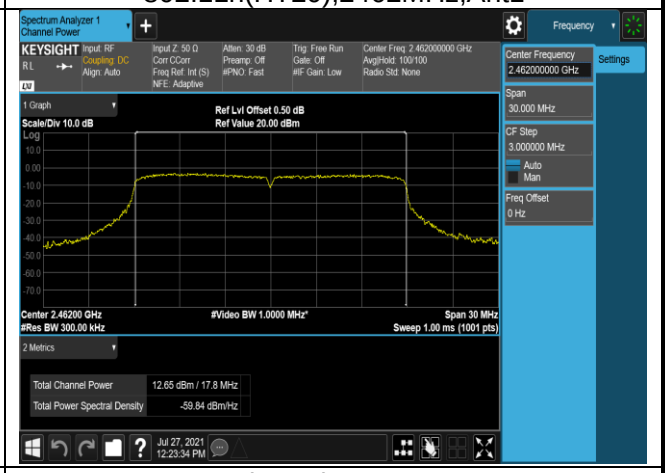
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1



802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2422MHz,Ant1

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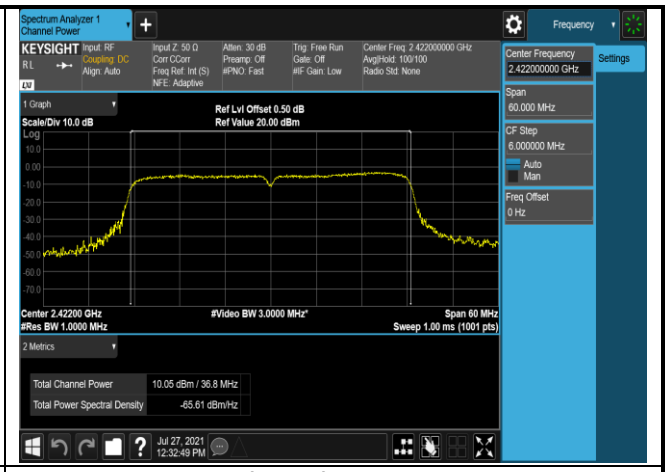
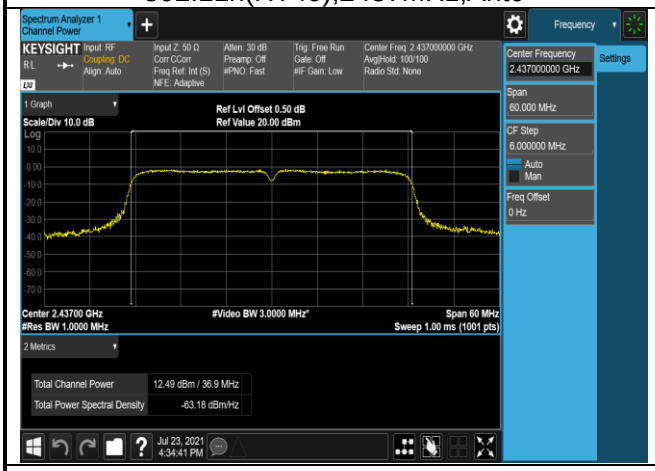
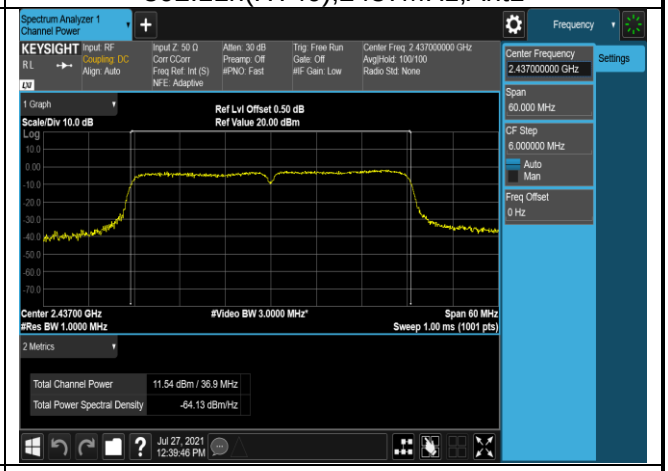
802.11n(HT40),2437MHz,Ant0



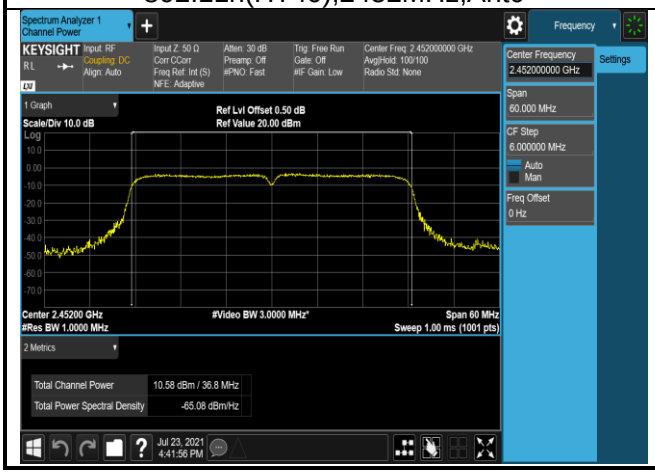
802.11n(HT40),2437MHz,Ant1

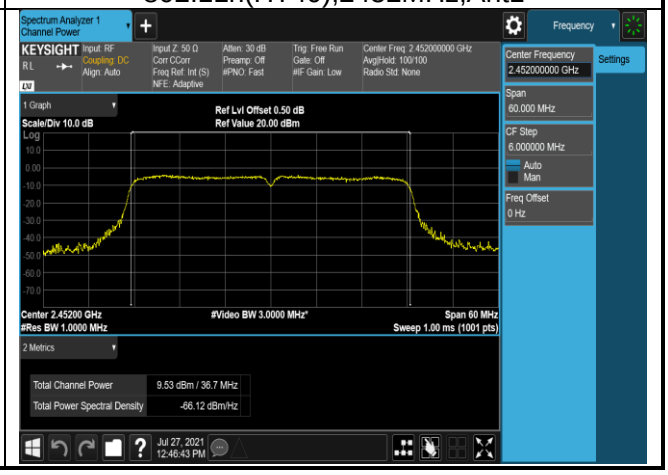


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





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5. Power spectrum density

5.1 Test Data

WLAN AVGSA Power Spectral Density						
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max PSD [dBm/3kHz]	Limit [dBm/3kHz]	Result
802.11b	2412	Ant0	0.50	-17.500	8	Pass
802.11b	2412	Ant1	0.50	-16.429	8	Pass
802.11b	2437	Ant0	0.50	-15.962	8	Pass
802.11b	2437	Ant1	0.50	-15.957	8	Pass
802.11b	2462	Ant0	0.50	-15.955	8	Pass
802.11b	2462	Ant1	0.50	-15.962	8	Pass
802.11g	2412	Ant0	2.39	-18.139	8	Pass
802.11g	2412	Ant1	2.39	-18.160	8	Pass
802.11g	2437	Ant0	2.39	-15.783	8	Pass
802.11g	2437	Ant1	2.39	-16.248	8	Pass
802.11g	2462	Ant0	2.39	-16.522	8	Pass
802.11g	2462	Ant1	2.39	-16.204	8	Pass
802.11n (HT20)	2412	Ant0	2.51	-19.565	8	Pass
802.11n (HT20)	2412	Ant1	2.51	-19.514	8	Pass
802.11n (HT20)	2437	Ant0	2.54	-15.532	8	Pass
802.11n (HT20)	2437	Ant1	2.54	-15.607	8	Pass
802.11n (HT20)	2462	Ant0	2.52	-18.913	8	Pass
802.11n (HT20)	2462	Ant1	2.51	-18.656	8	Pass
802.11n (HT40)	2422	Ant0	4.13	-22.065	8	Pass
802.11n (HT40)	2422	Ant1	4.09	-22.207	8	Pass
802.11n (HT40)	2437	Ant0	4.09	-20.790	8	Pass
802.11n (HT40)	2437	Ant1	4.16	-21.053	8	Pass
802.11n (HT40)	2452	Ant0	4.16	-22.212	8	Pass

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802.11n (HT40)	2452	Ant1	4.13	-22.187	8	Pass

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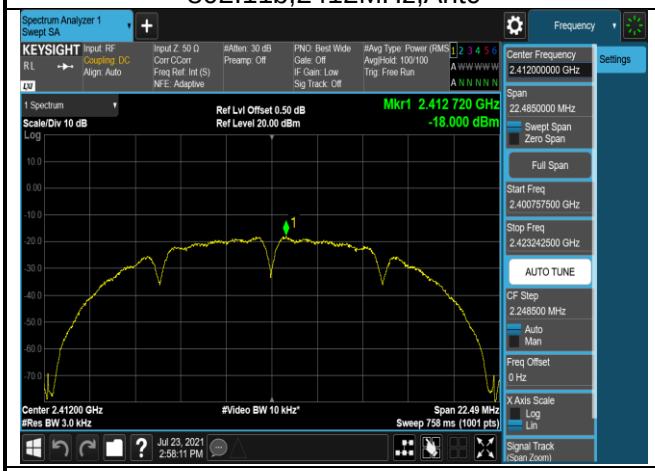
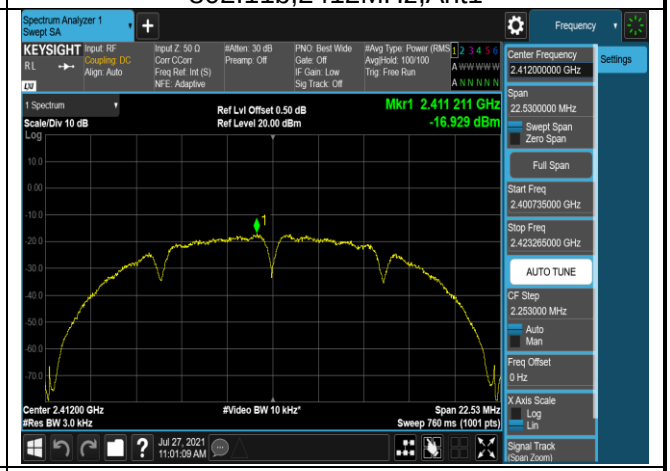
5.2 Test Plots

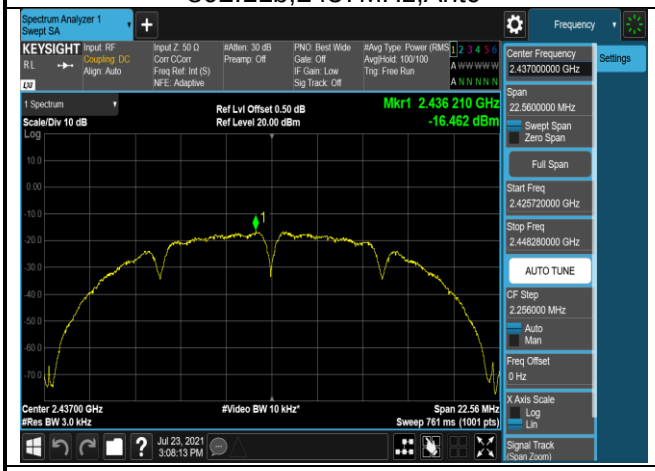
802.11b,2412MHz,Ant0



802.11b,2412MHz,Ant1

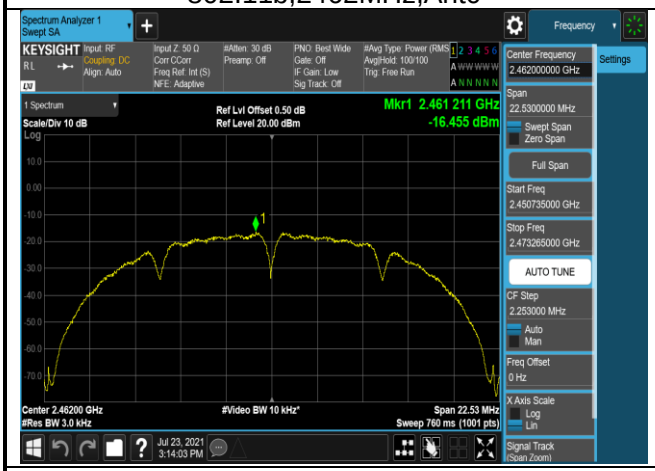


802.11b,2437MHz,Ant0



802.11b,2437MHz,Ant1

802.11b,2462MHz,Ant0



802.11b,2462MHz,Ant1

802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

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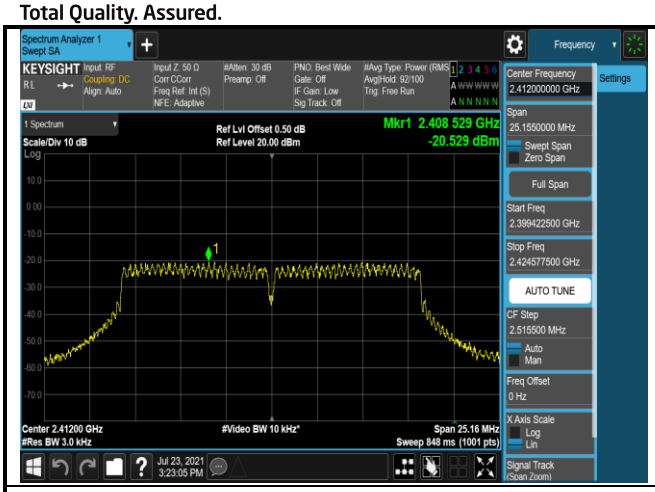
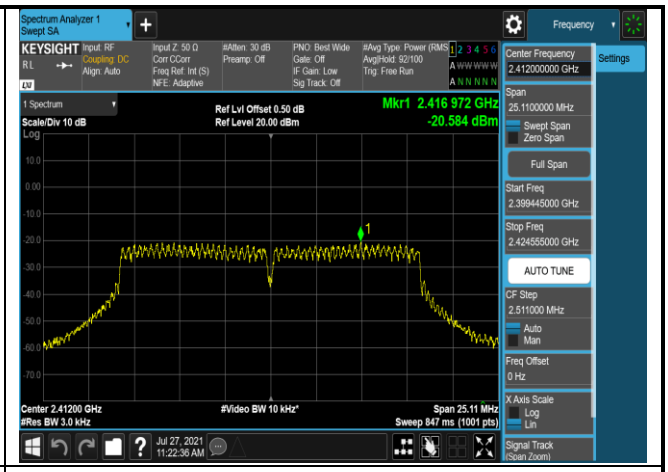
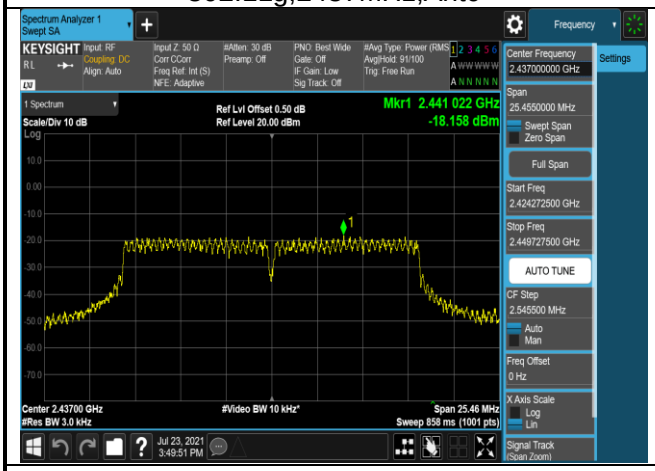


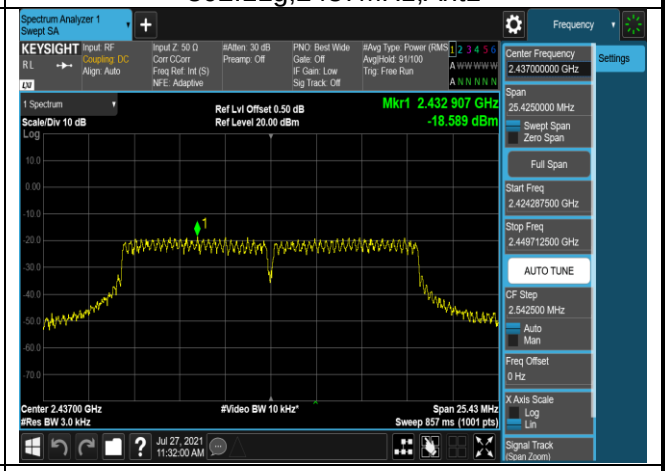
802.11g,2437MHz,Ant0



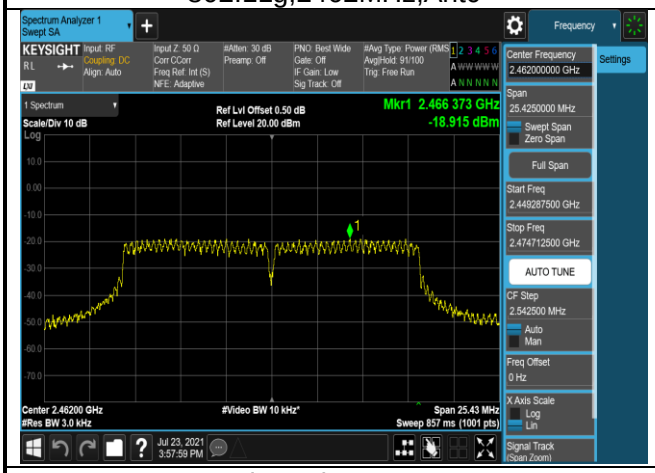
802.11g,2437MHz,Ant1



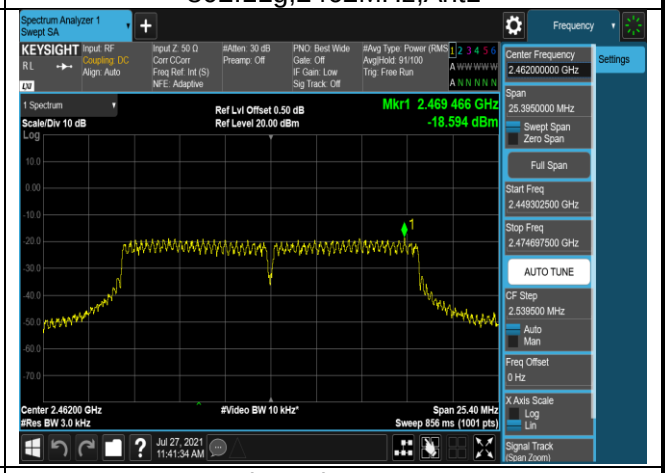
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1



802.11n(HT20),2412MHz,Ant0



802.11n(HT20),2412MHz,Ant1

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