Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Hydro Master

Trade Mark: Growee

Test Model: GRWHUB001

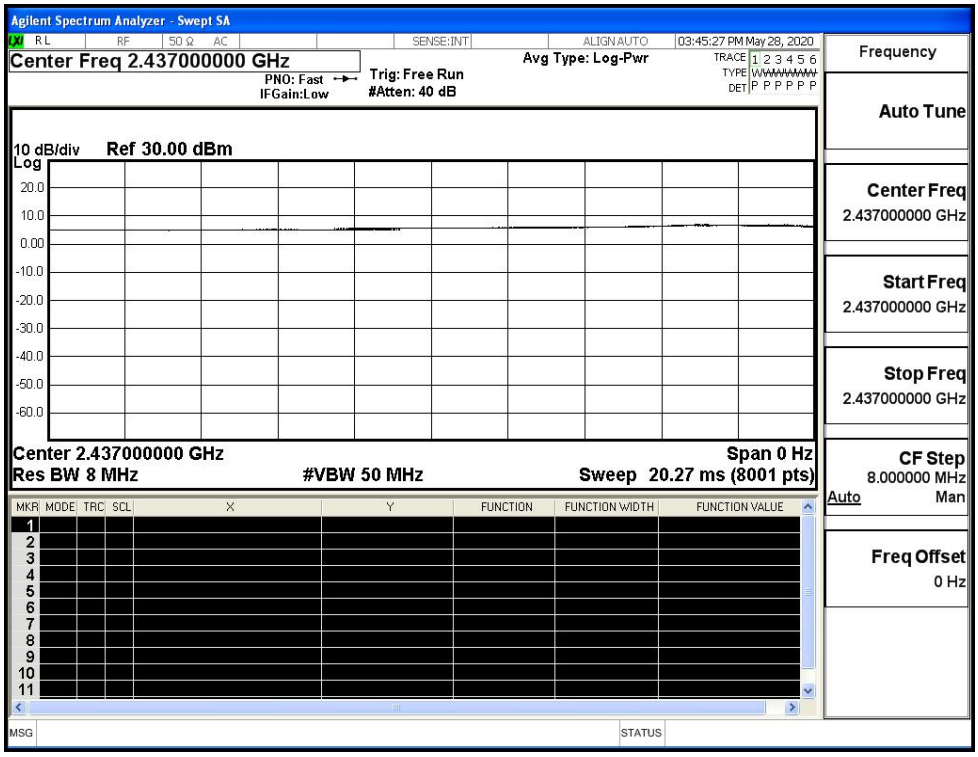
Environmental Conditions

Temperature:	22.8 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Scout Wu
Supervised by:	Li Huan

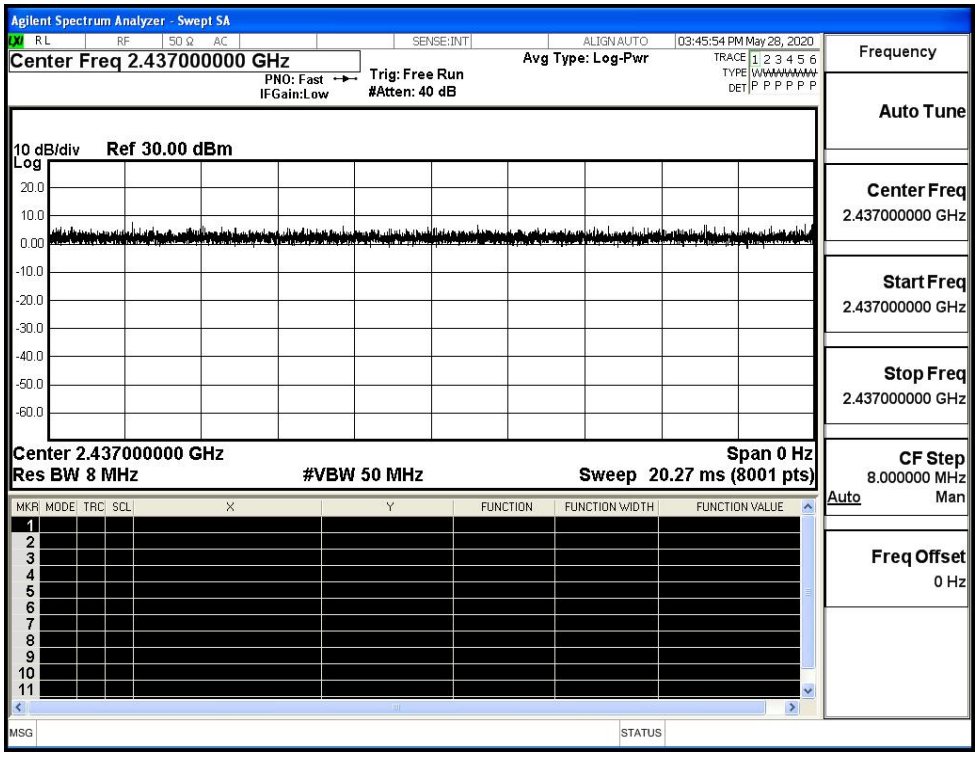
C.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

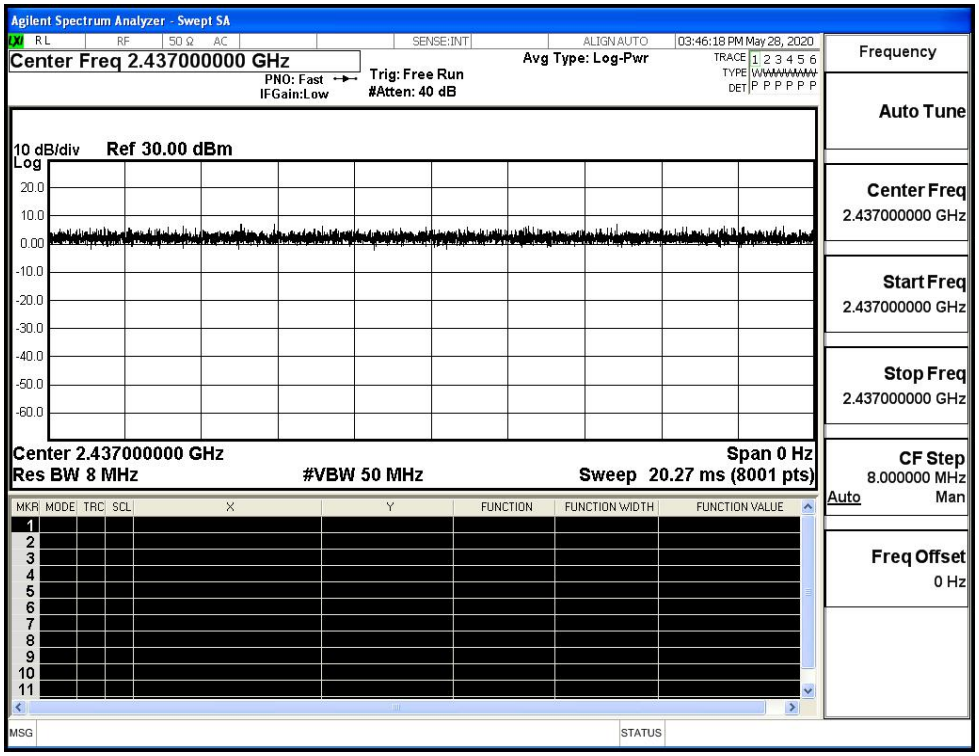
Duty Cycle_11B_2437_Ant1



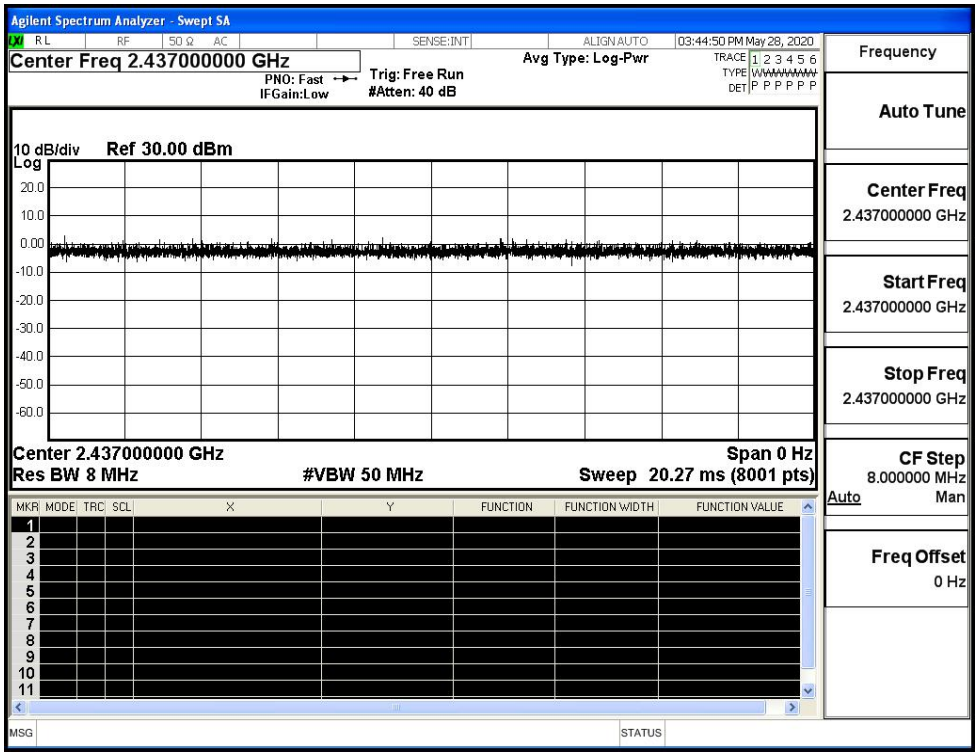
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1

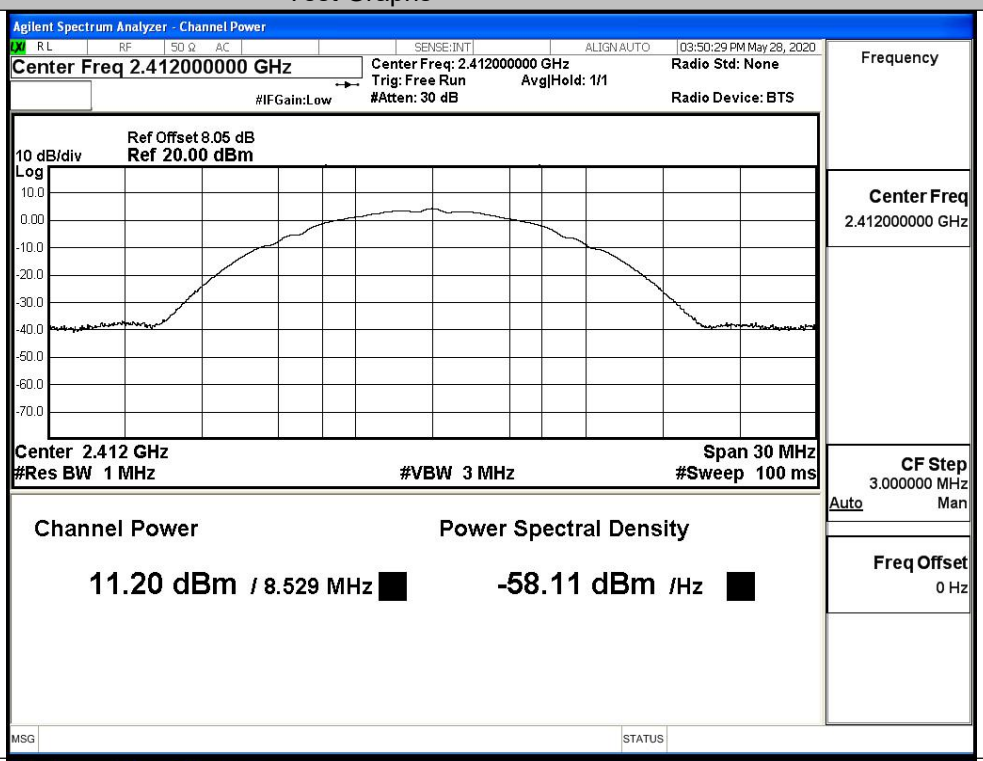
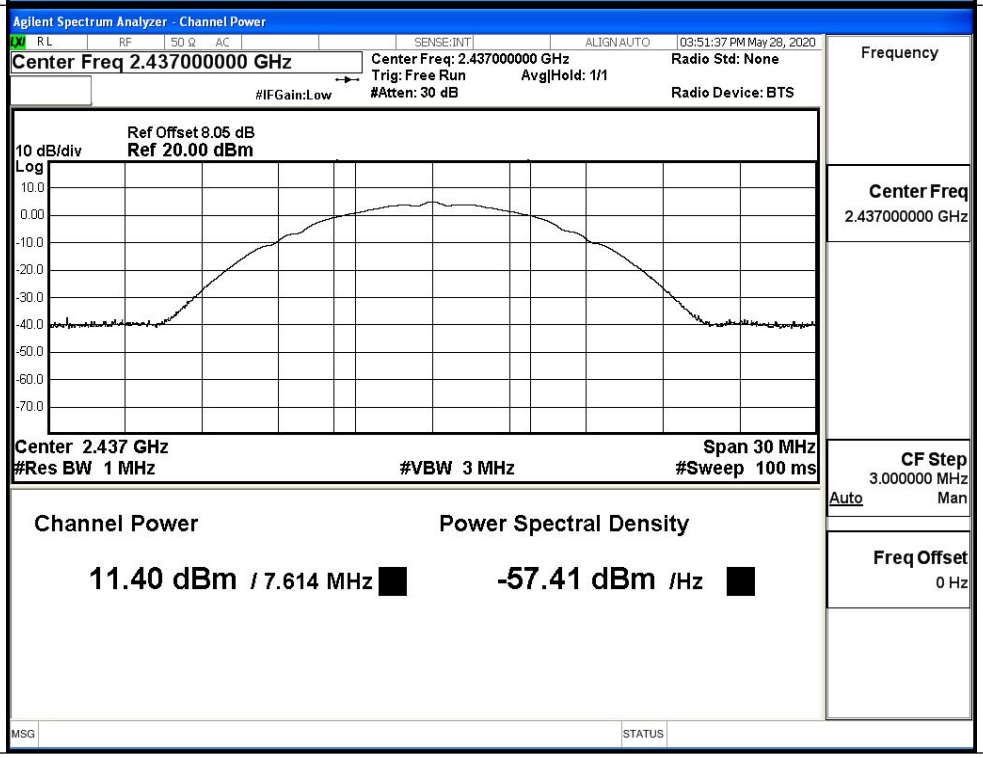


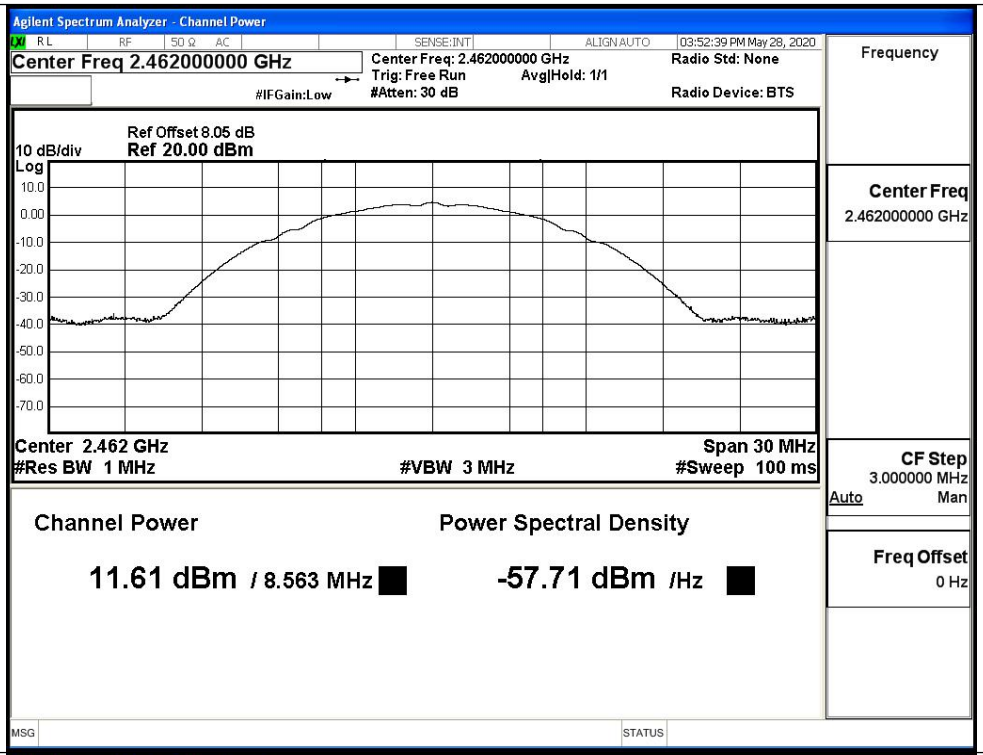
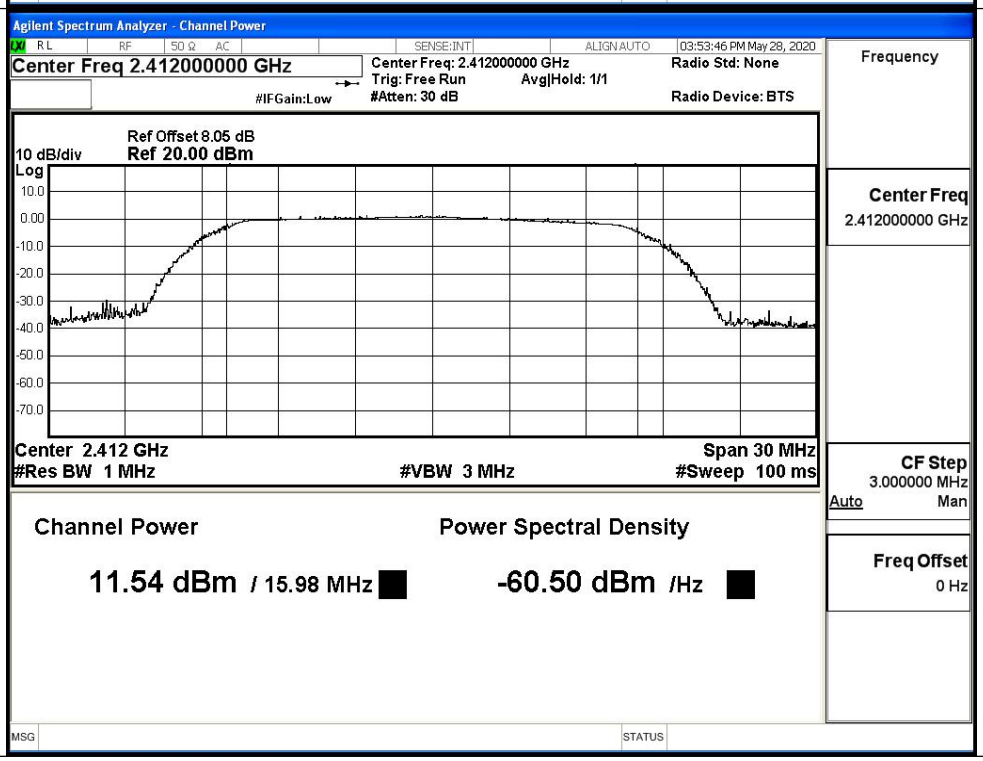
Duty Cycle_11N40SISO_2437_Ant1

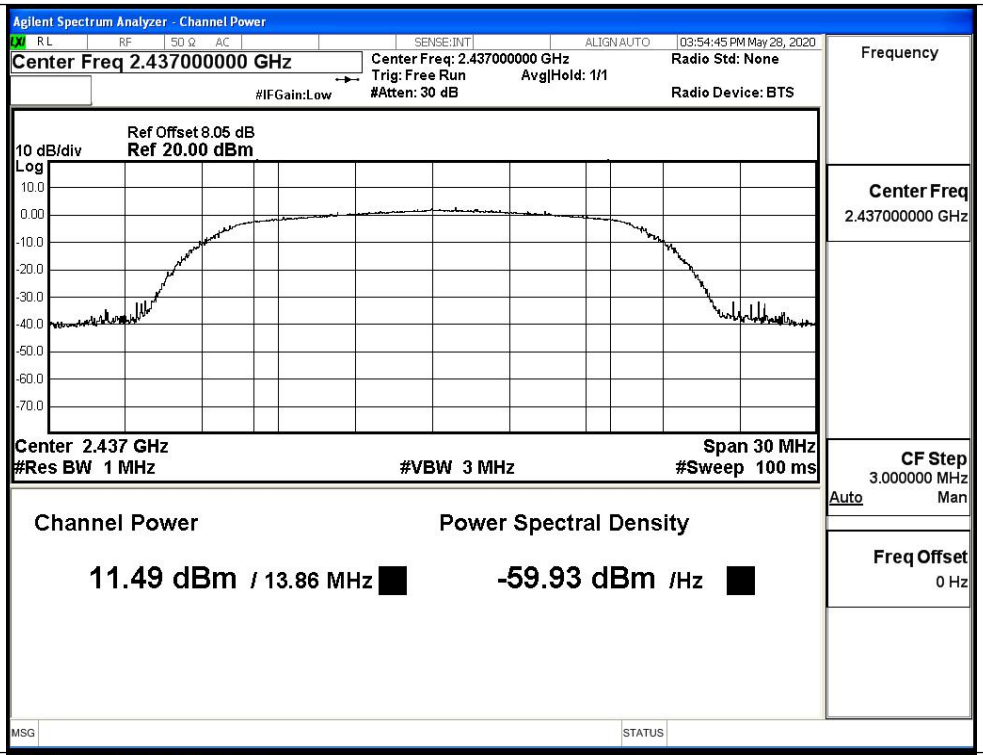
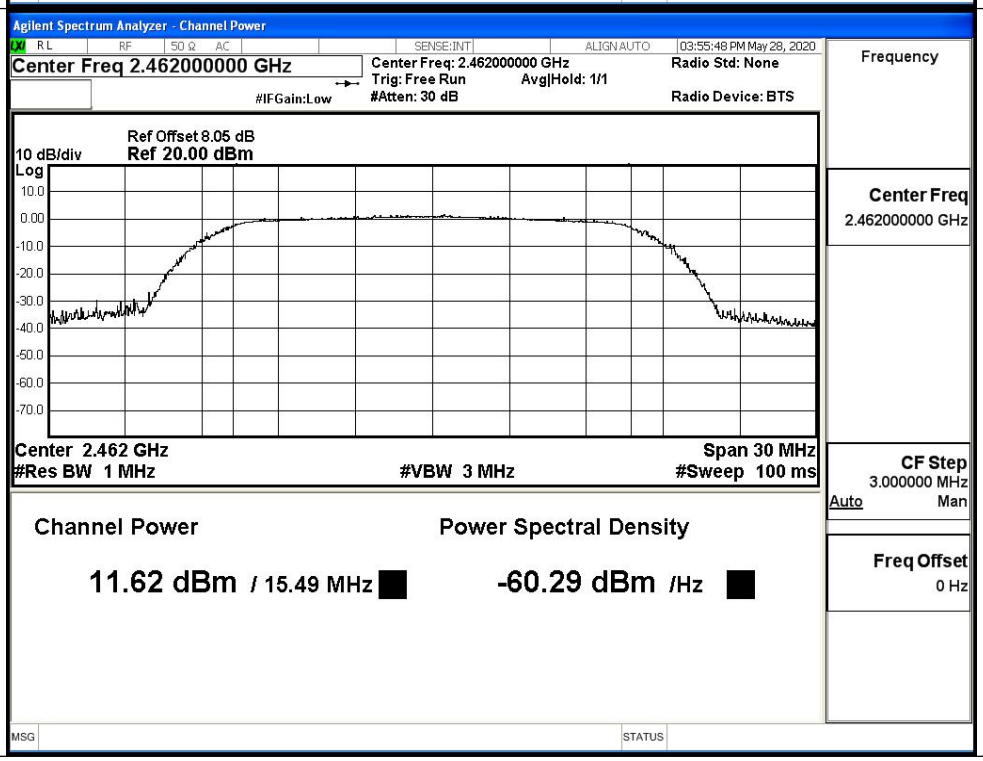


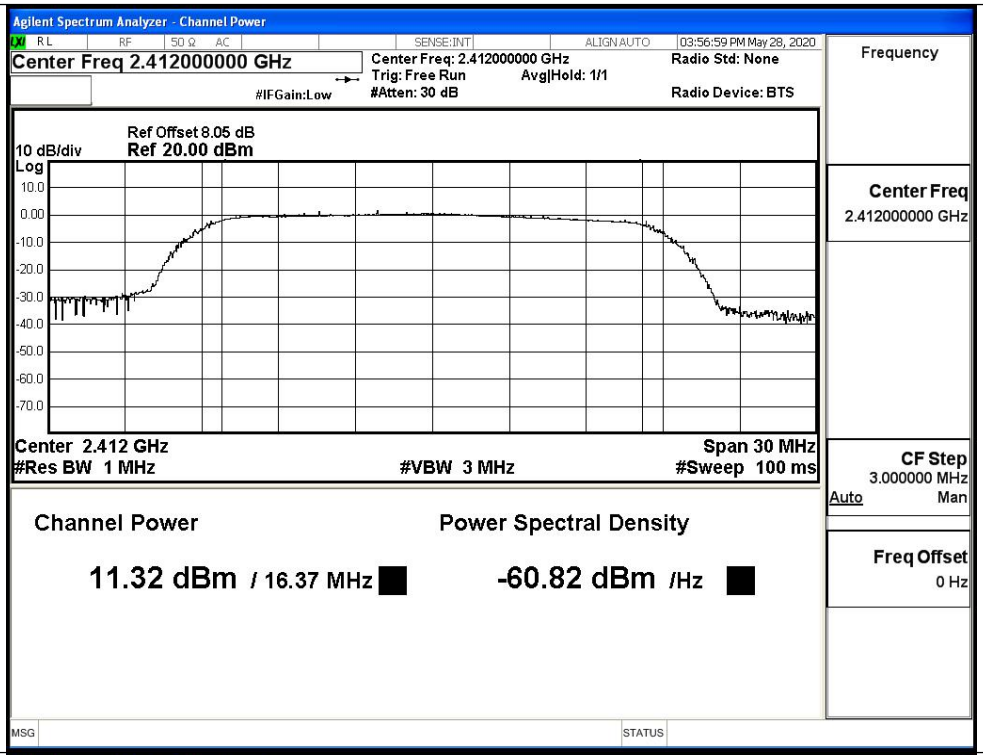
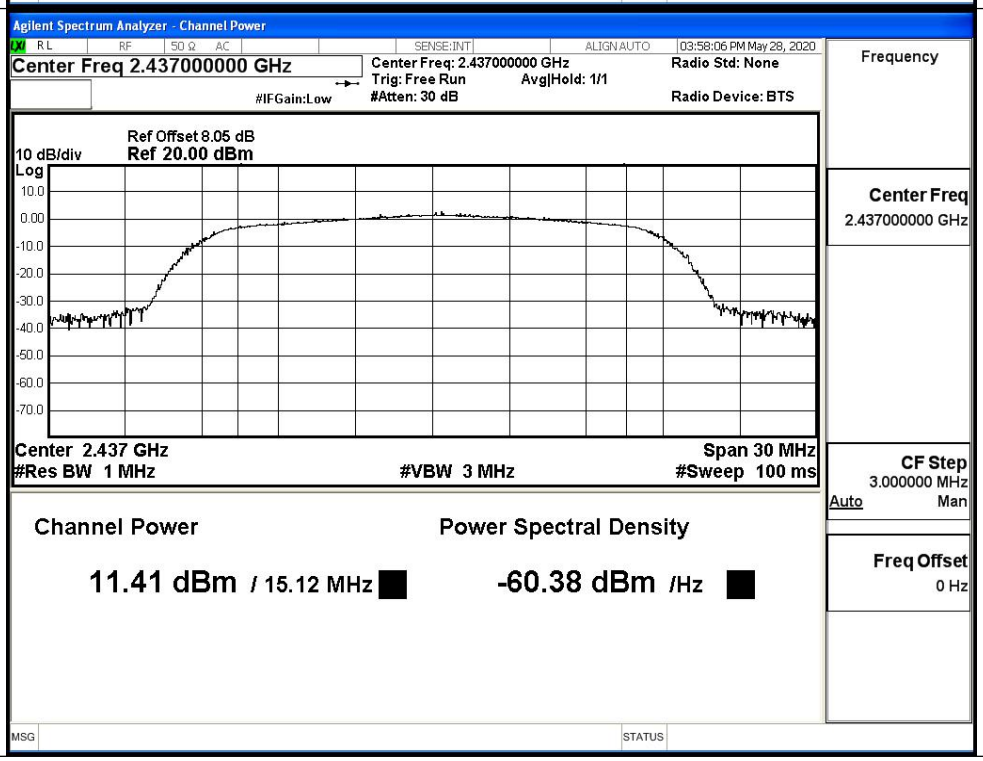
C.2 Maximum Conducted Output Power

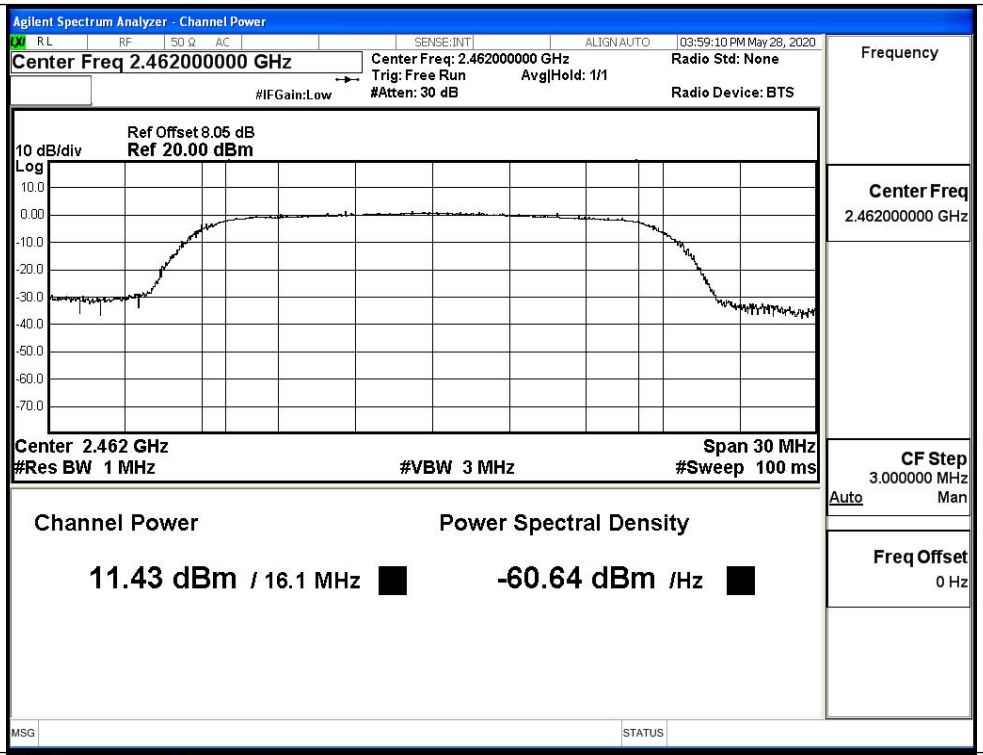
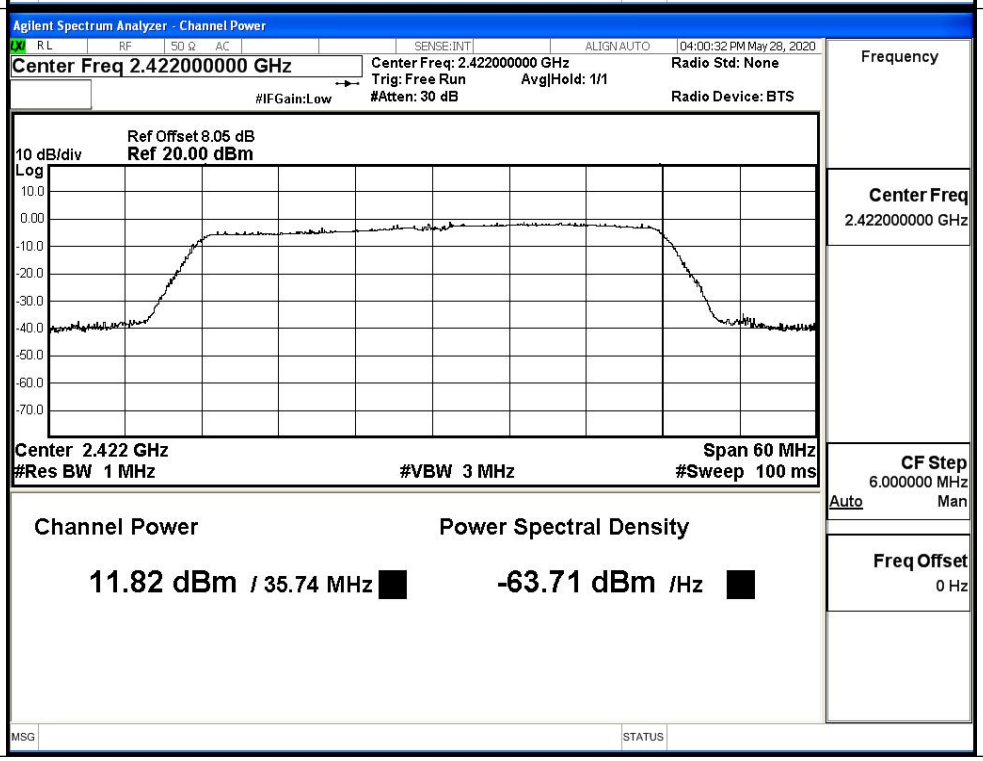
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	11.20	30	PASS
	MCH	11.40	30	PASS
	HCH	11.61	30	PASS
11G	LCH	11.54	30	PASS
	MCH	11.49	30	PASS
	HCH	11.62	30	PASS
11N20SISO	LCH	11.32	30	PASS
	MCH	11.41	30	PASS
	HCH	11.43	30	PASS
11N40SISO	LCH	11.82	30	PASS
	MCH	12.42	30	PASS
	HCH	12.00	30	PASS

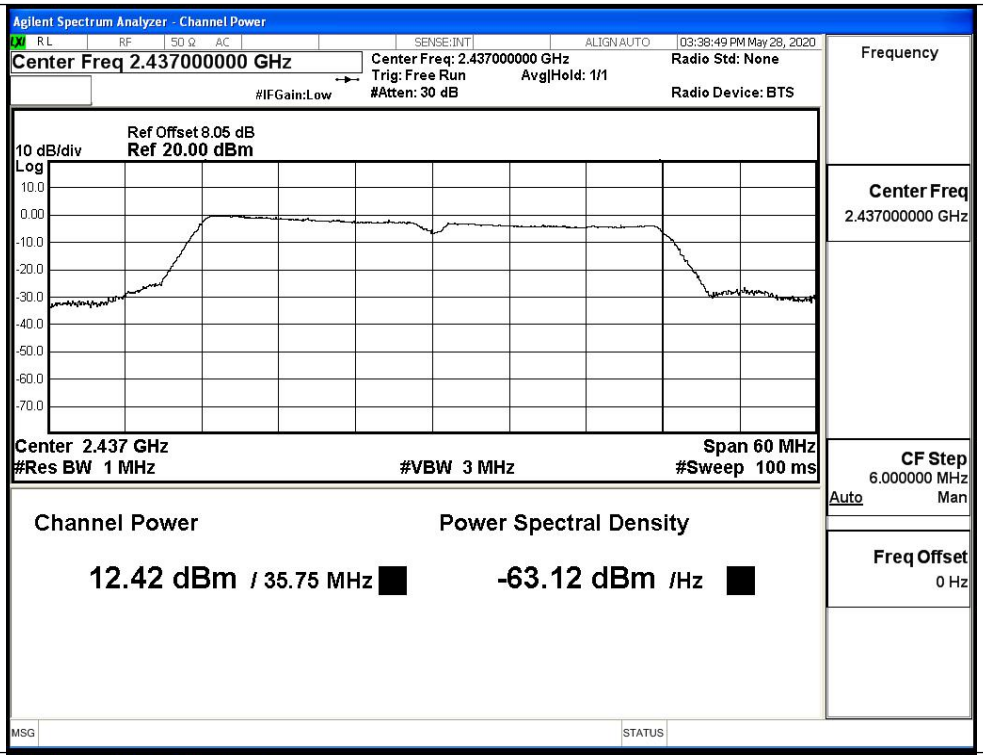
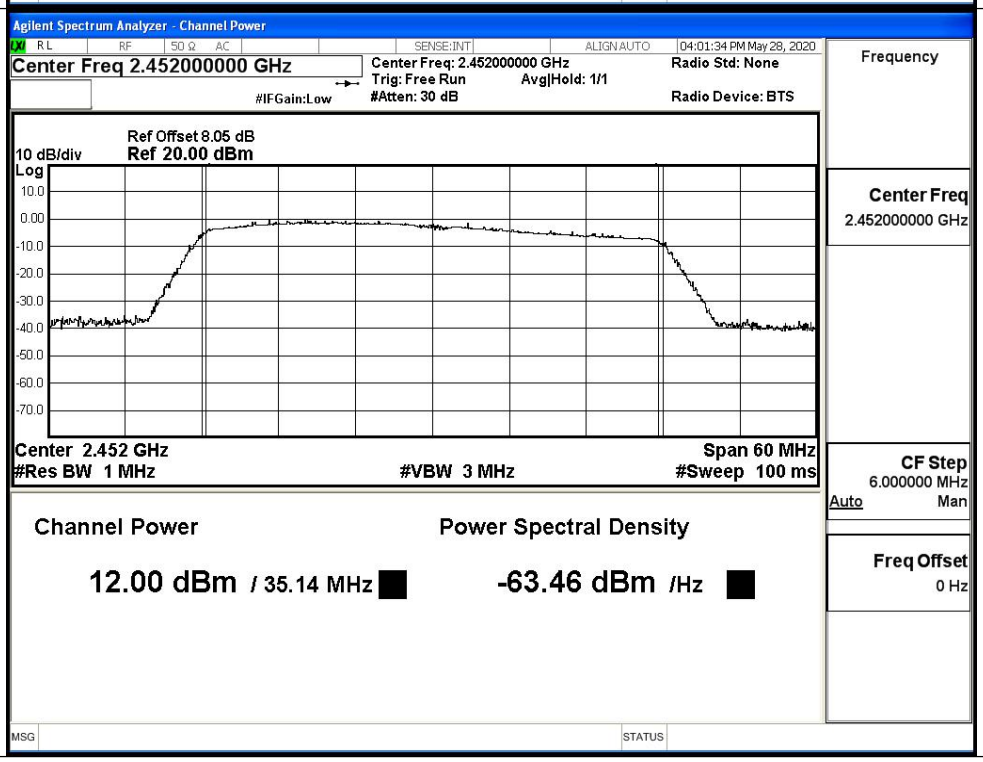
Test Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

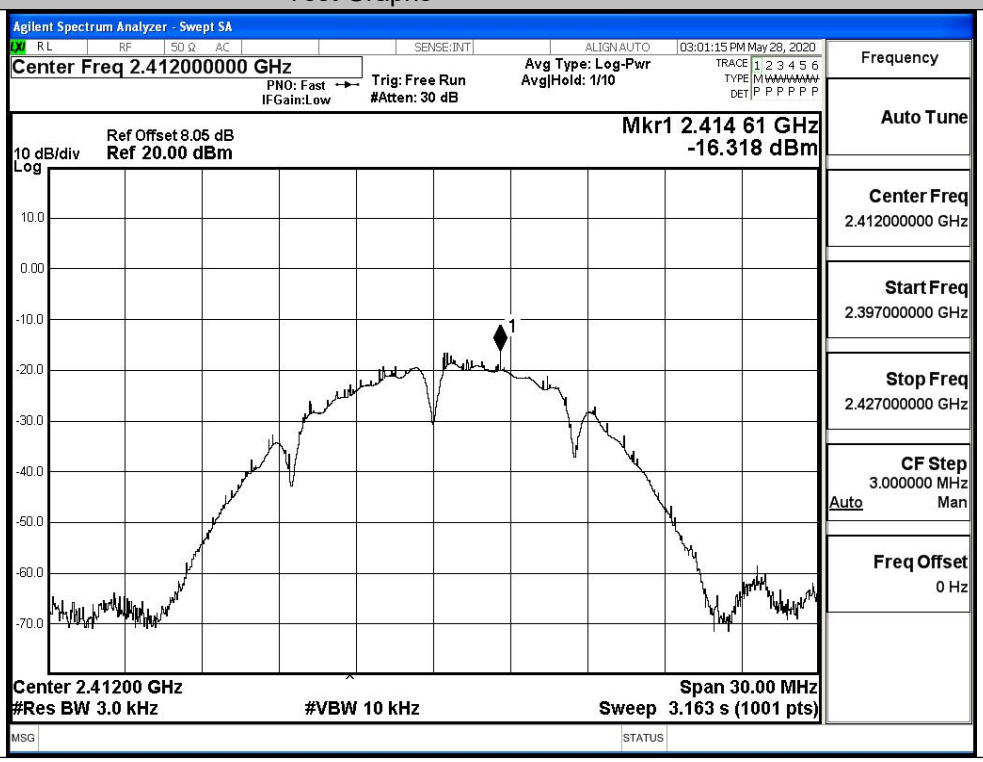
11N20SISO/LCH		
11N20SISO/MCH		

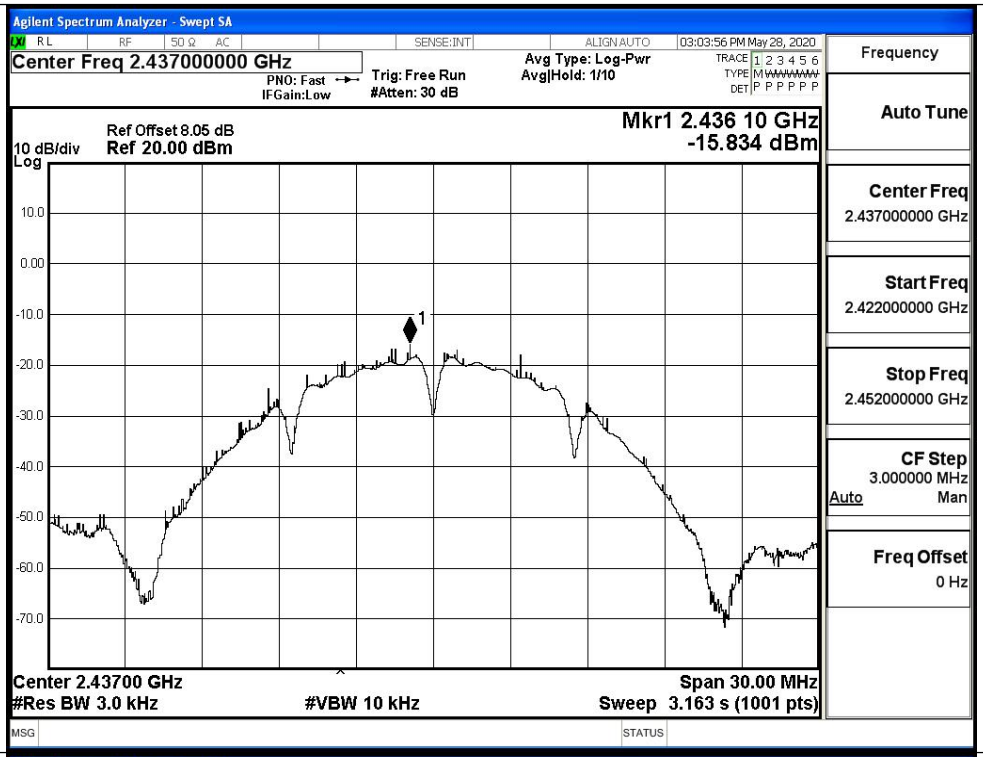
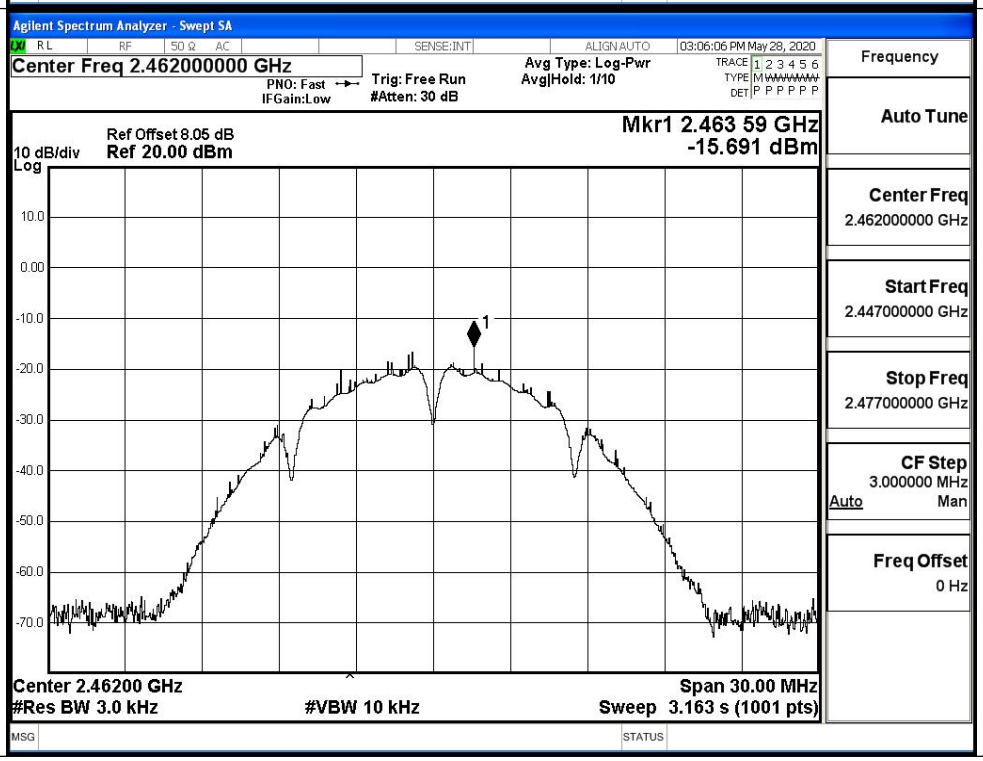
11N20SISO/HCH	
11N40SISO/LCH	

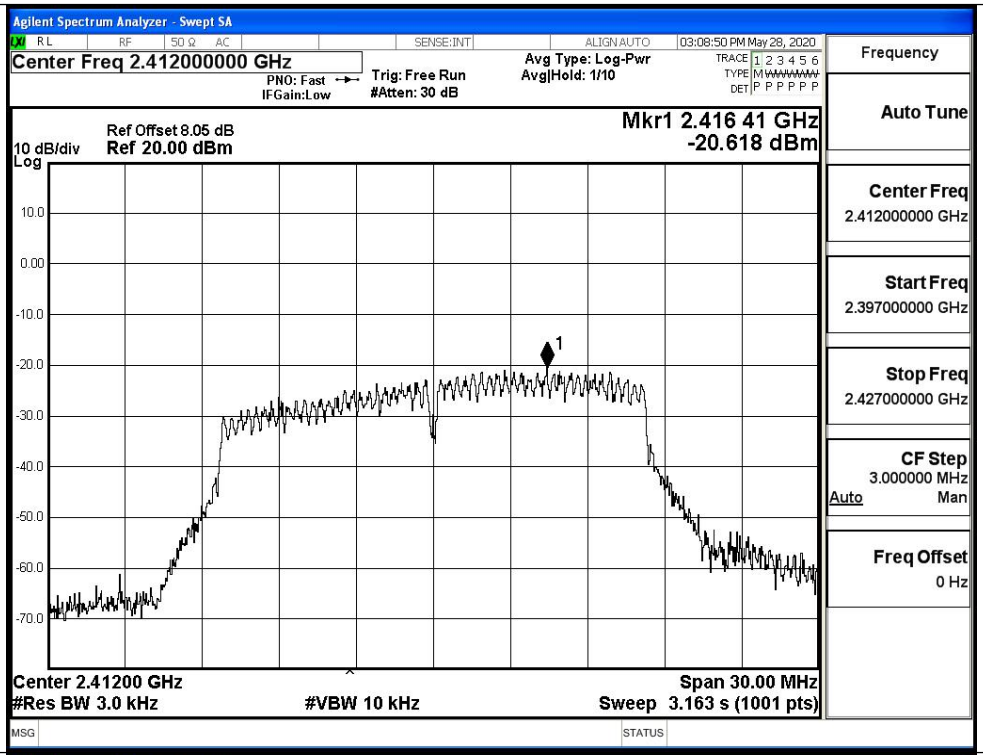
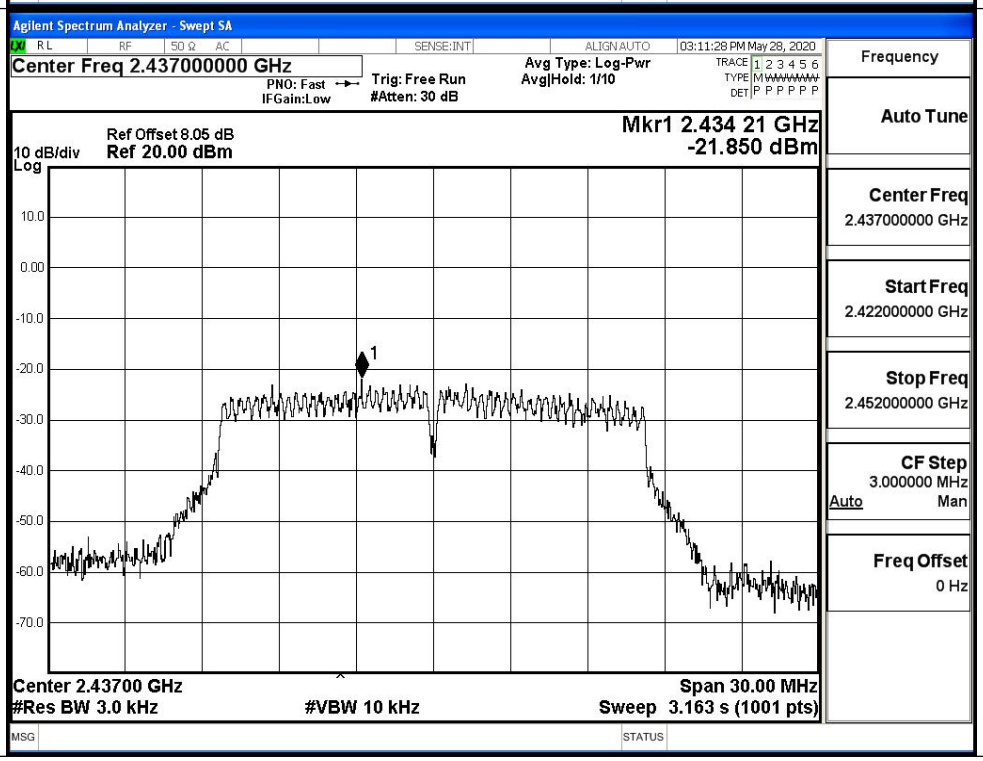
11N40SISO/MCH		
11N40SISO/HCH		

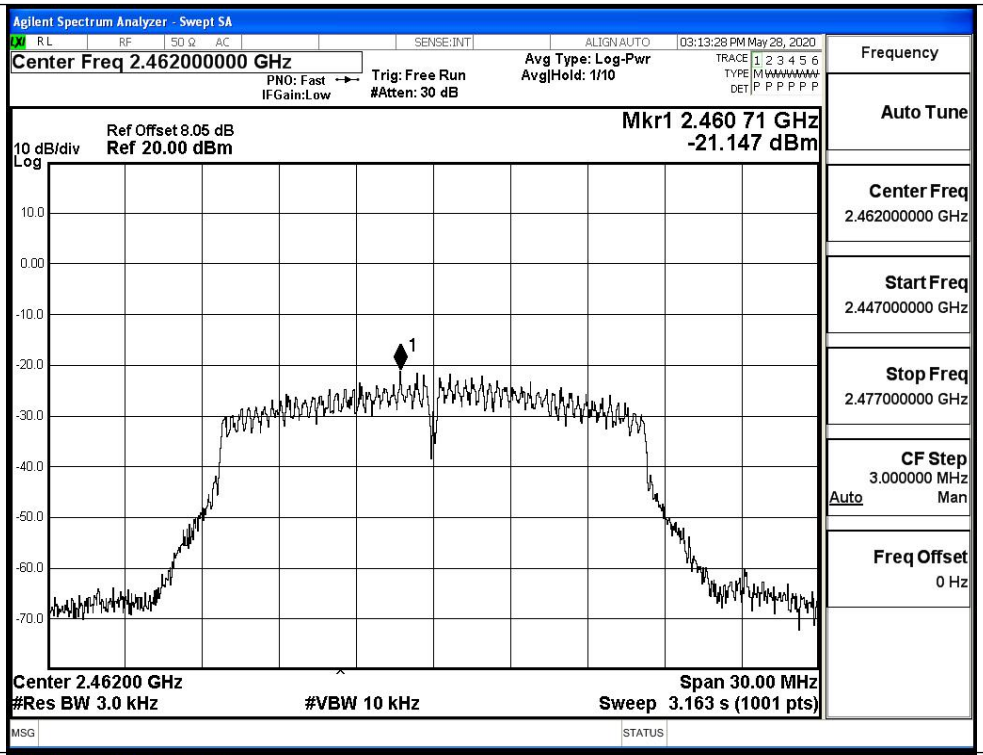
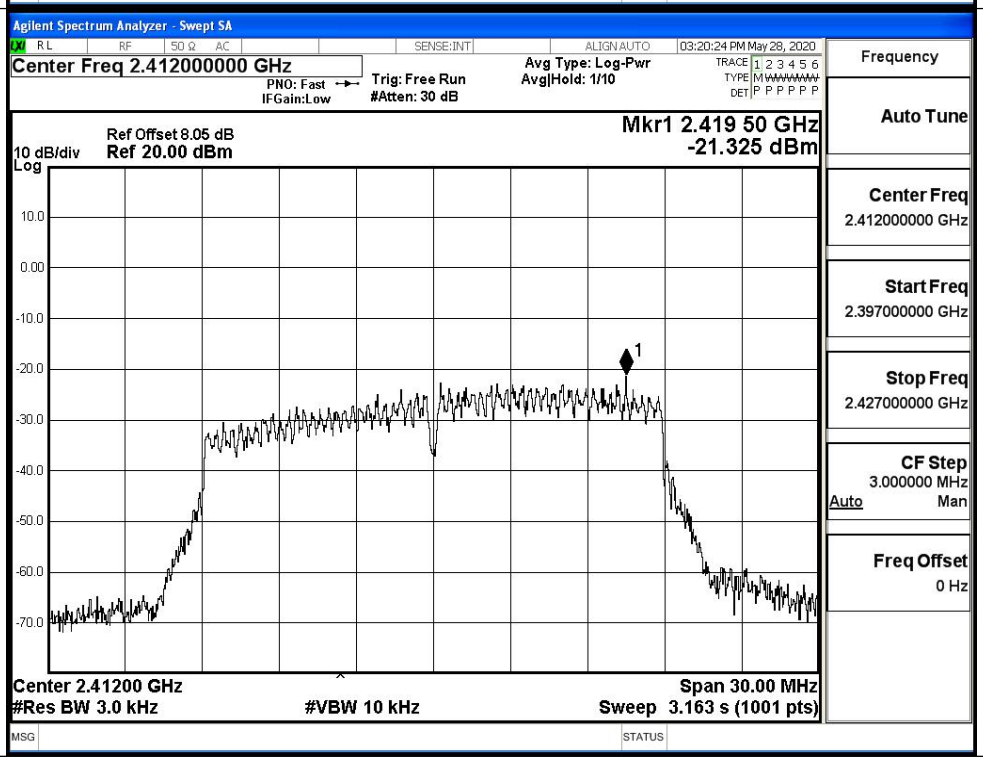
C.3 Maximum Power Spectral Density

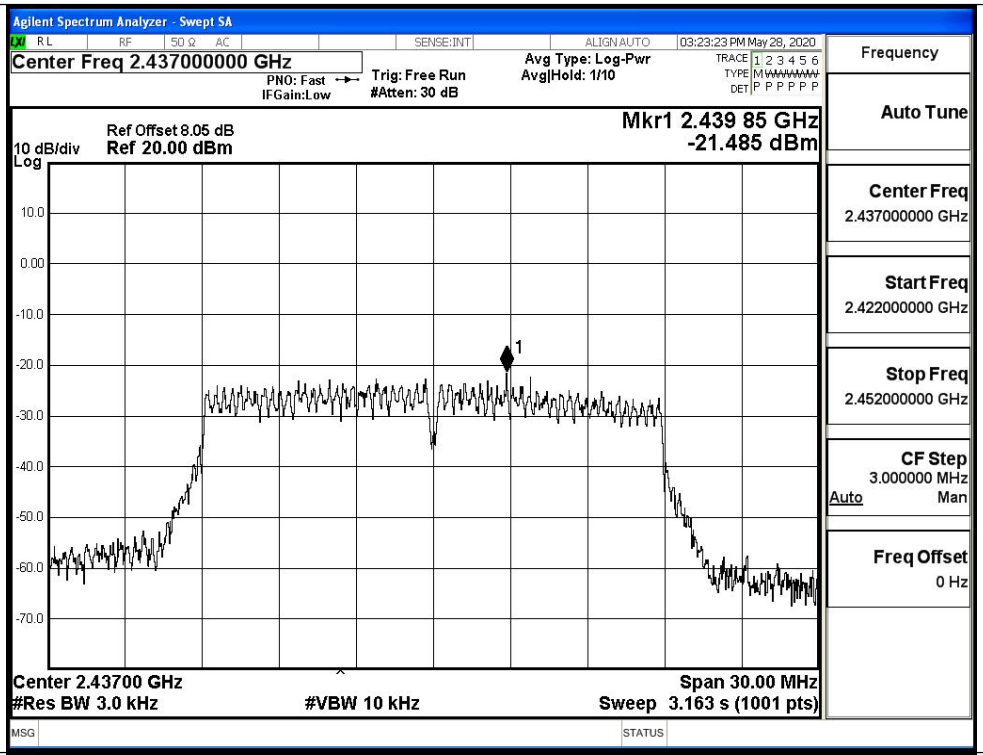
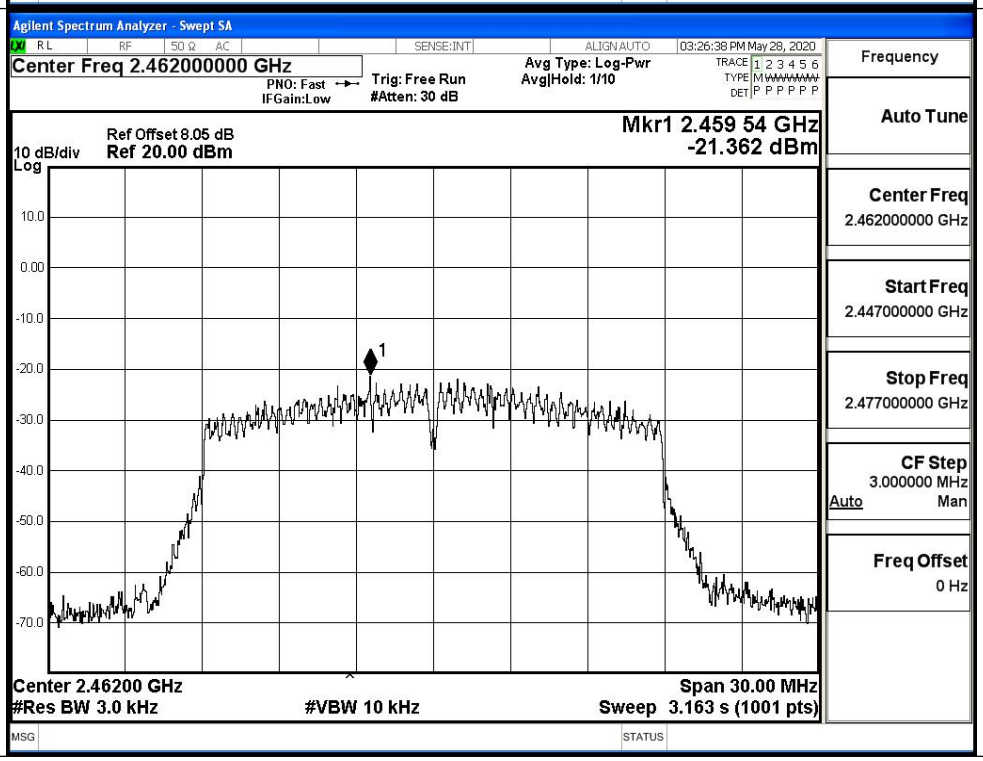
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-16.318	8	PASS
	MCH	-15.834	8	PASS
	HCH	-15.691	8	PASS
11G	LCH	-20.618	8	PASS
	MCH	-21.850	8	PASS
	HCH	-21.147	8	PASS
11N20SISO	LCH	-21.325	8	PASS
	MCH	-21.485	8	PASS
	HCH	-21.362	8	PASS
11N40SISO	LCH	-22.215	8	PASS
	MCH	-23.398	8	PASS
	HCH	-24.184	8	PASS

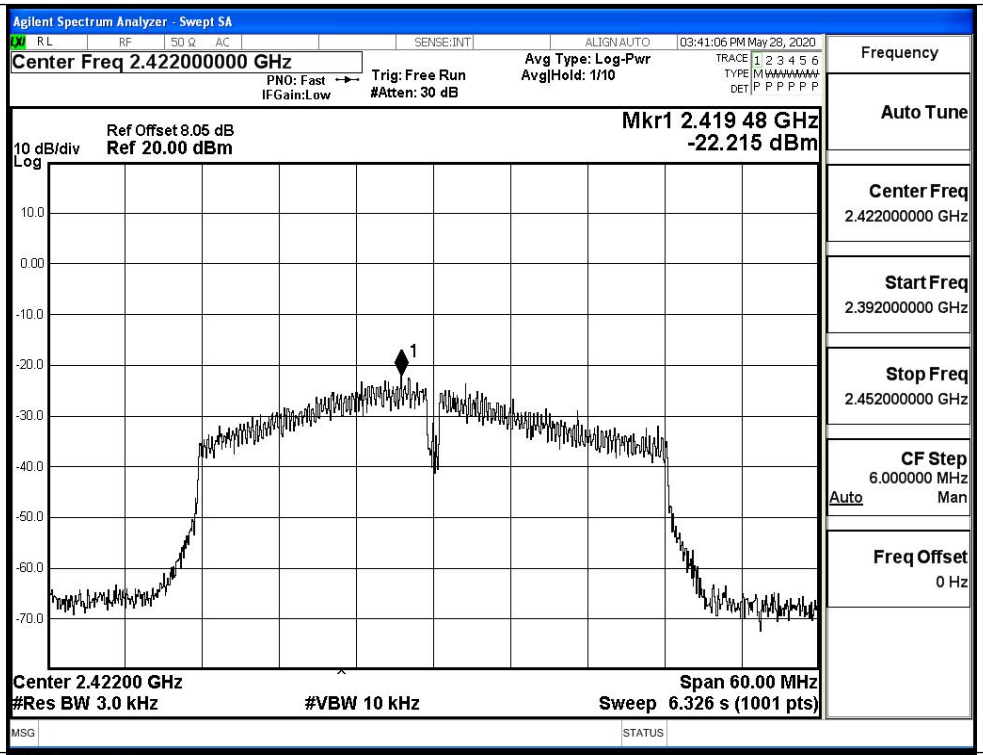
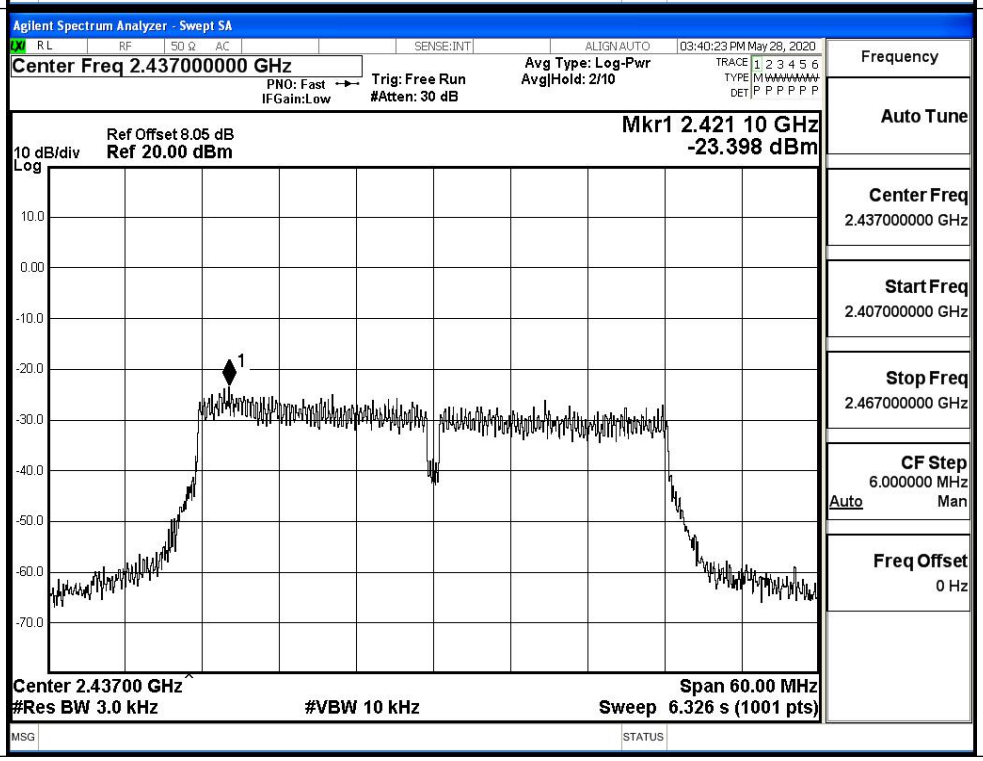
Test Graphs	
11B/LCH	

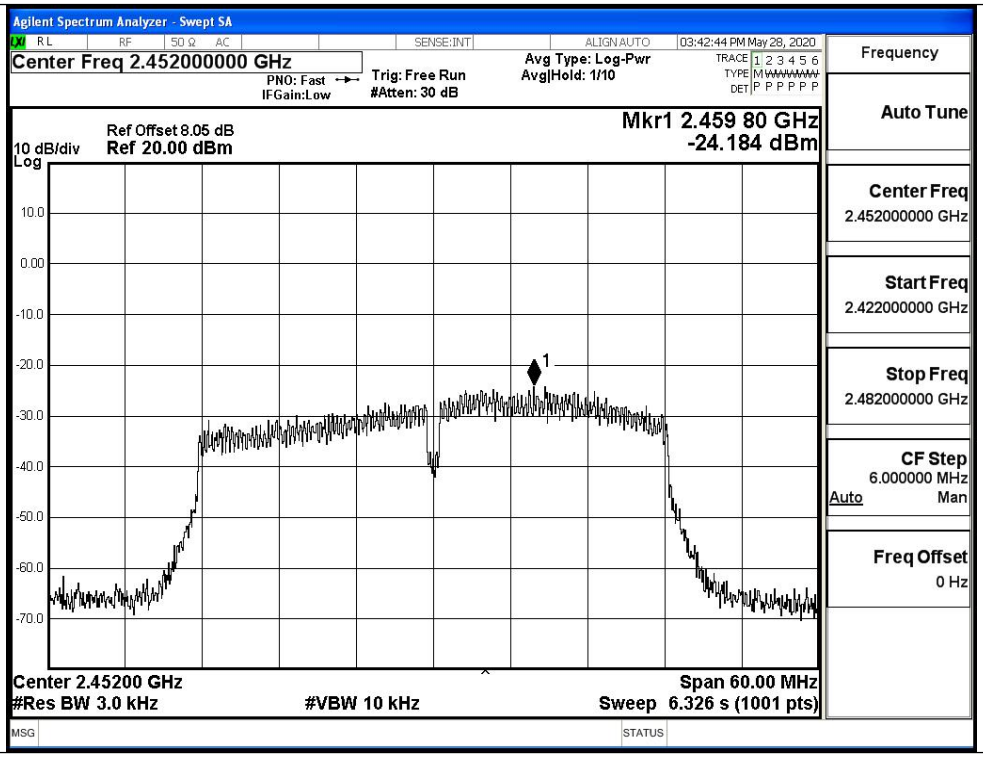
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

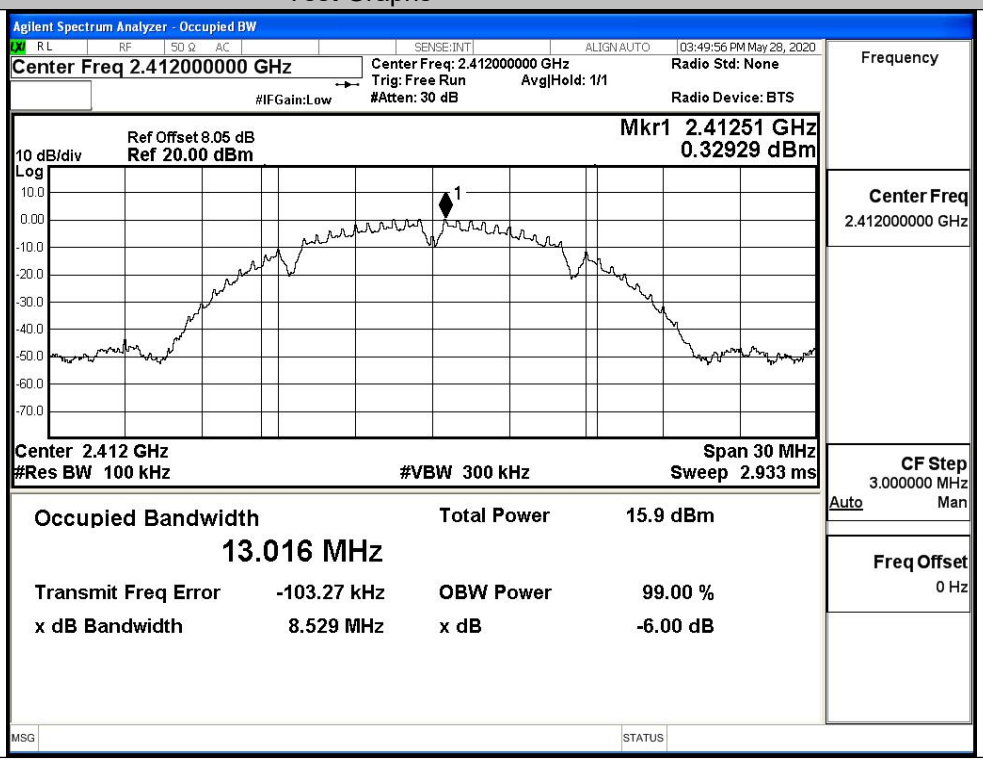
11N20SISO/MCH		
11N20SISO/HCH		

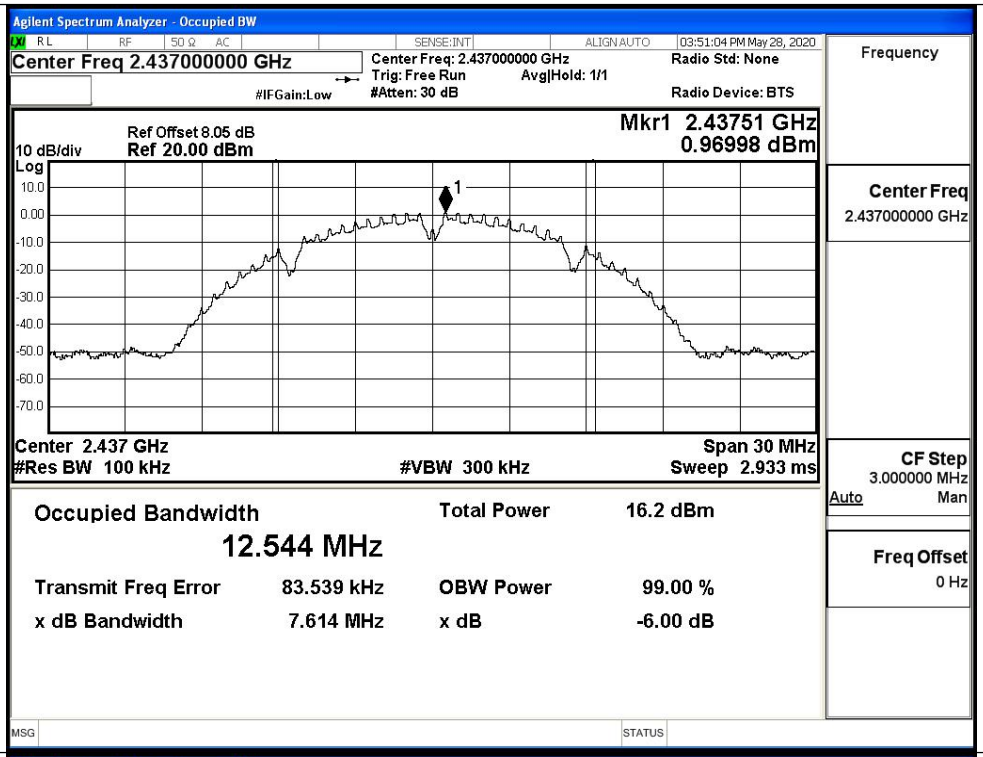
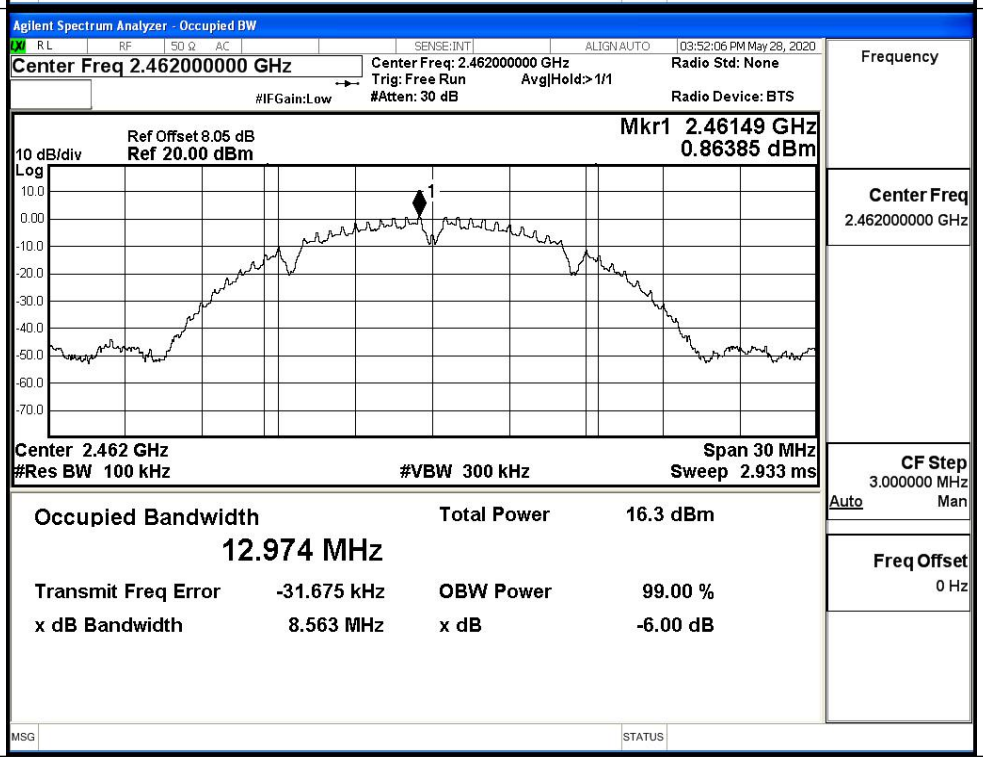
11N40SISO/LCH		
11N40SISO/MCH		

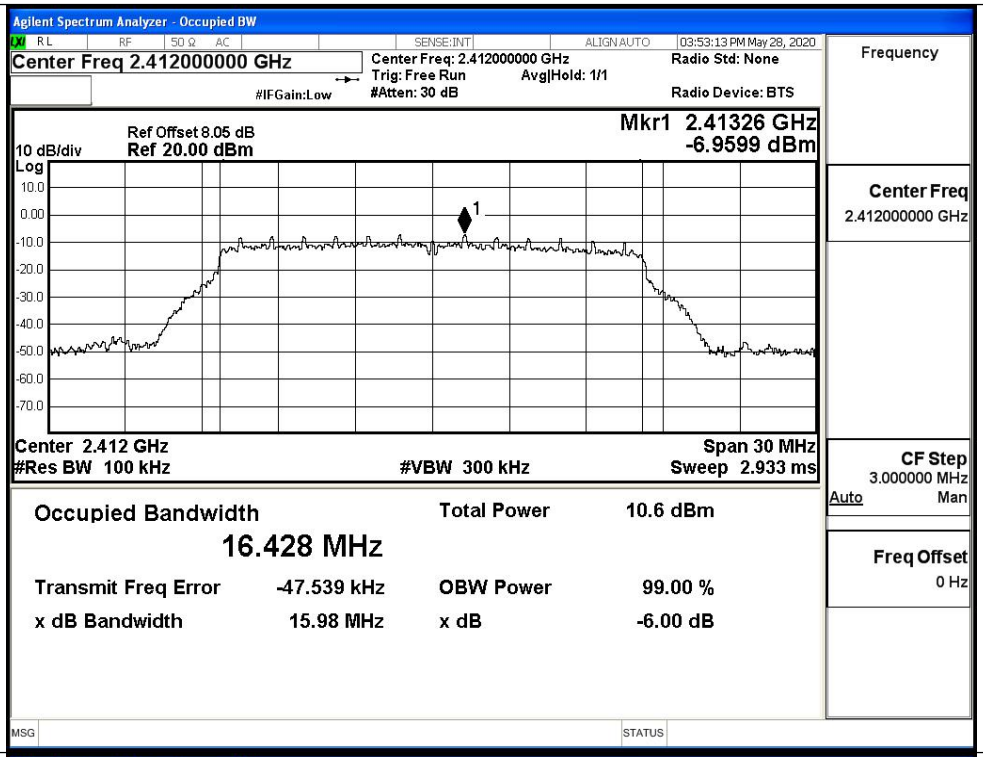
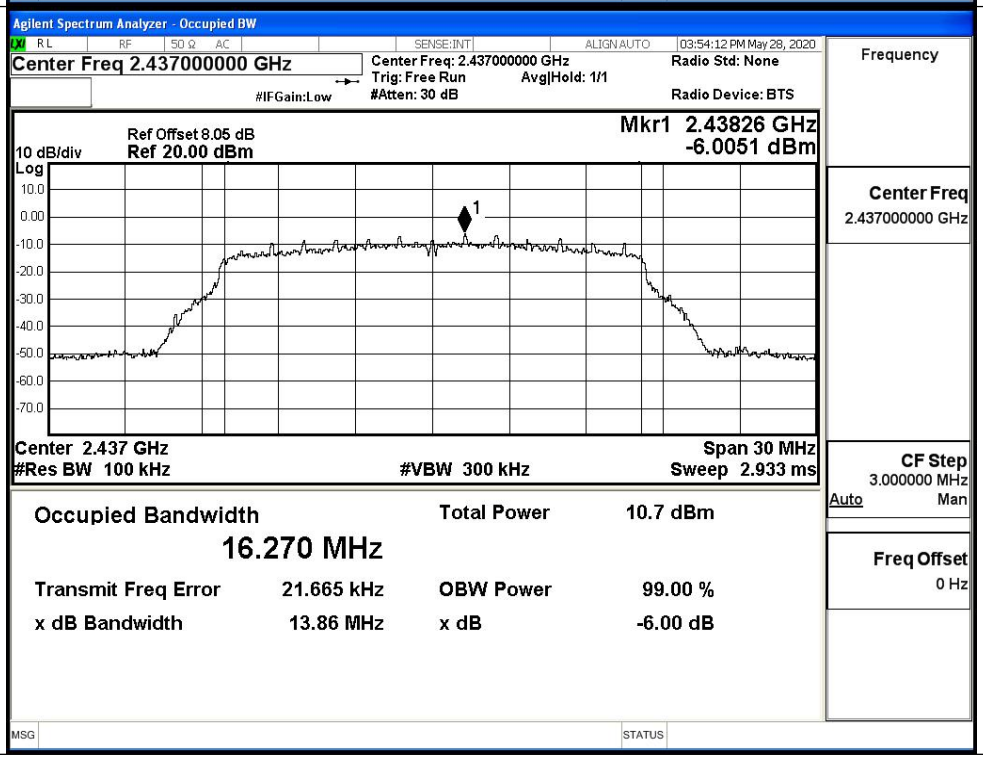
11N40SISO/HCH		

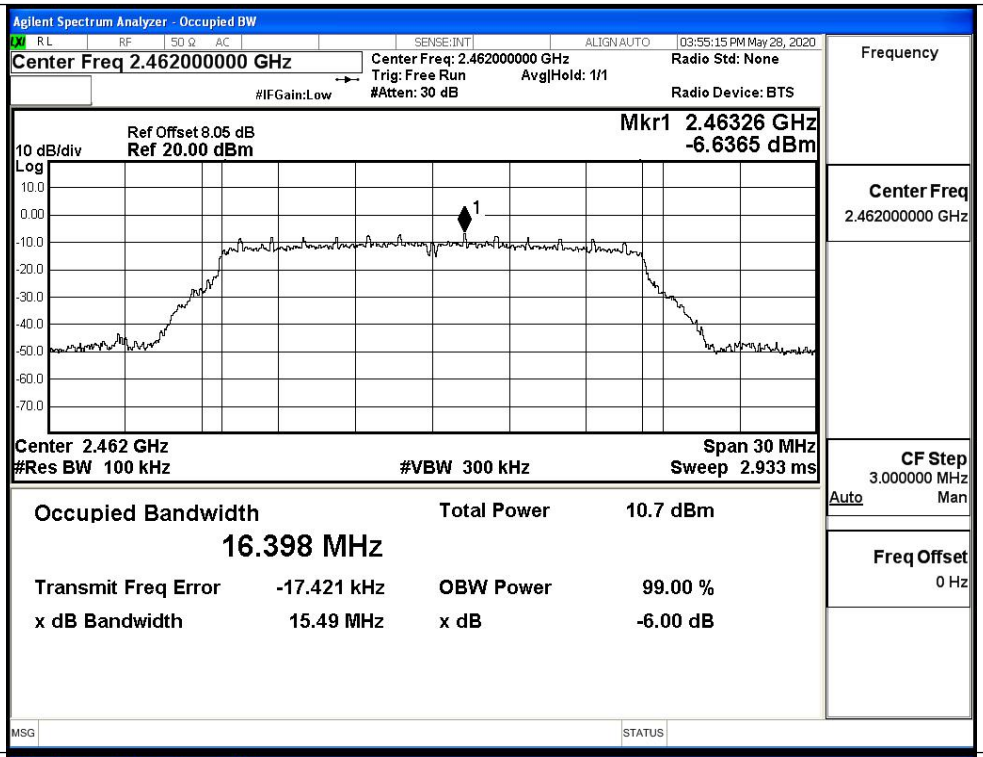
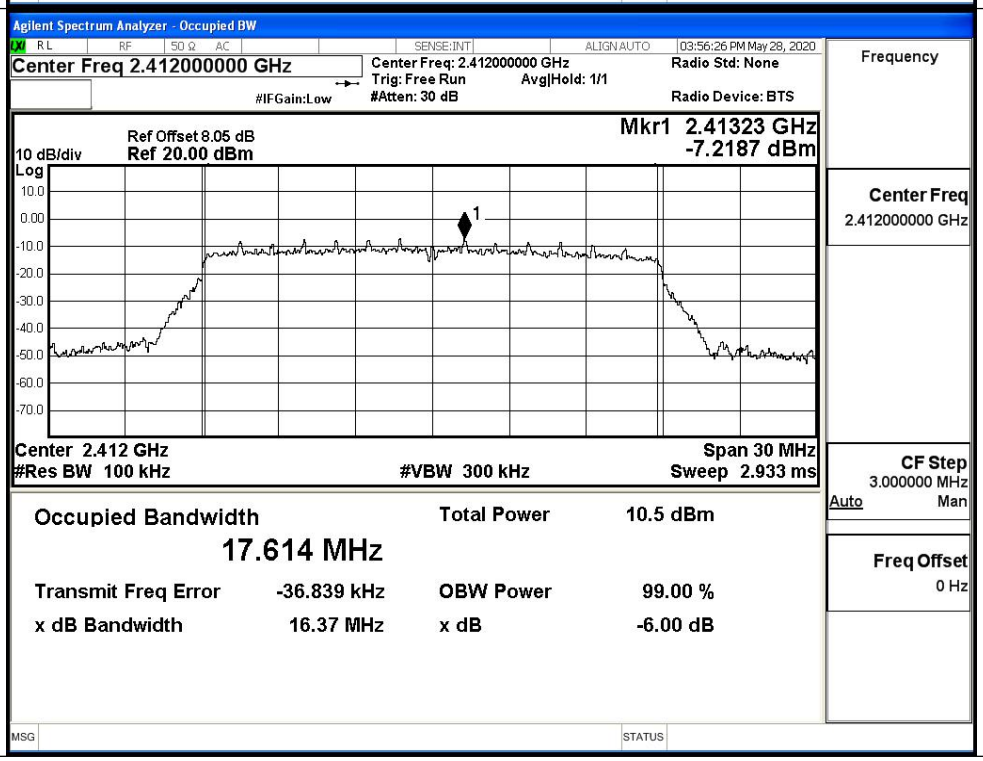
C.4 6dB Bandwidth

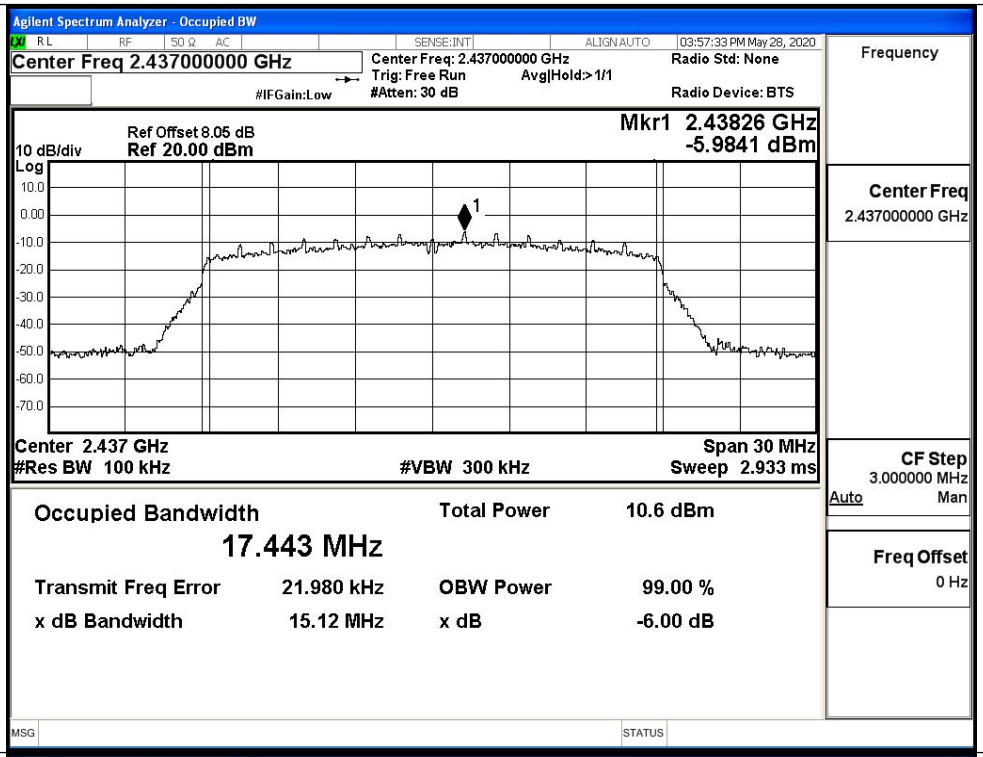
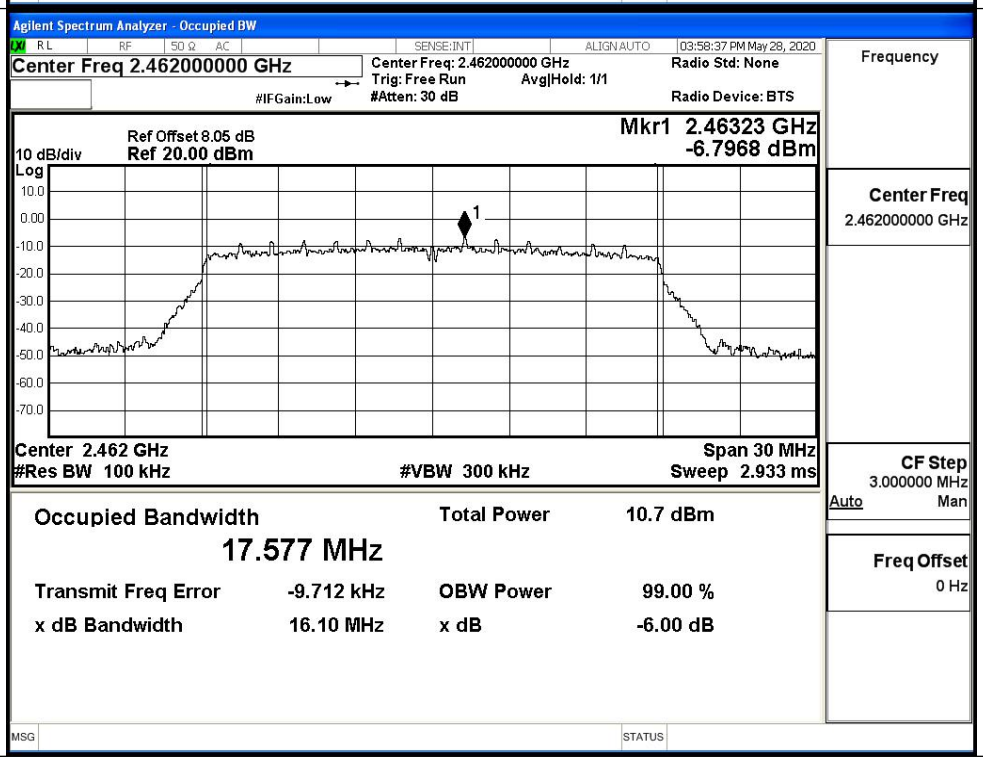
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.529	⩾0.5	PASS
	MCH	7.614	⩾0.5	PASS
	HCH	8.563	⩾0.5	PASS
11G	LCH	15.98	⩾0.5	PASS
	MCH	13.86	⩾0.5	PASS
	HCH	15.49	⩾0.5	PASS
11N20SISO	LCH	16.37	⩾0.5	PASS
	MCH	15.12	⩾0.5	PASS
	HCH	16.10	⩾0.5	PASS
11N40SISO	LCH	35.74	⩾0.5	PASS
	MCH	35.75	⩾0.5	PASS
	HCH	35.14	⩾0.5	PASS

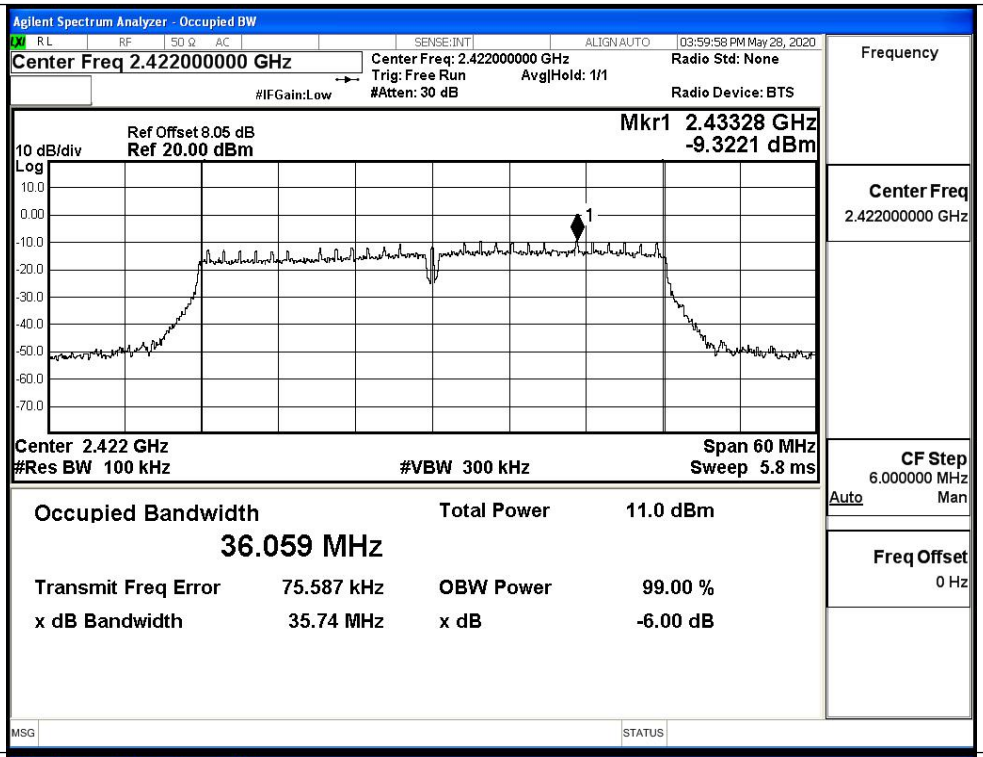
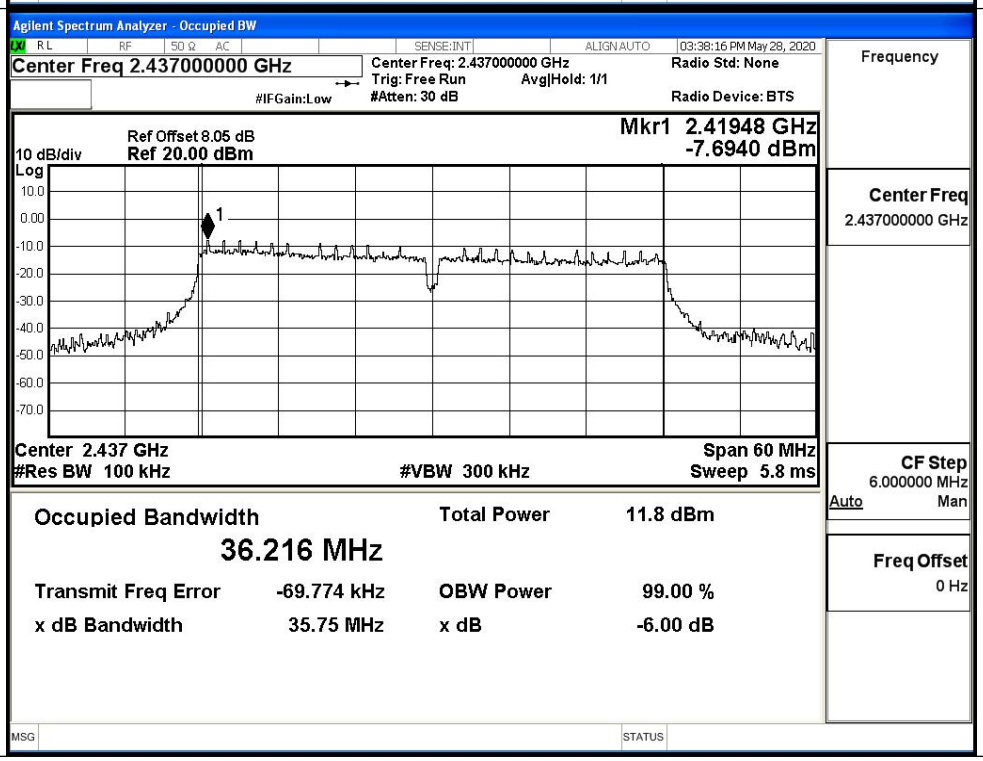
Test Graphs	
11B/LCH	

11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

11N20SISO/MCH	
11N20SISO/HCH	

11N40SISO/LCH		
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