Appendix B

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Facial Recognition Thermal Measurement Terminal

Trade Mark: 智小通

Test Model: FX6

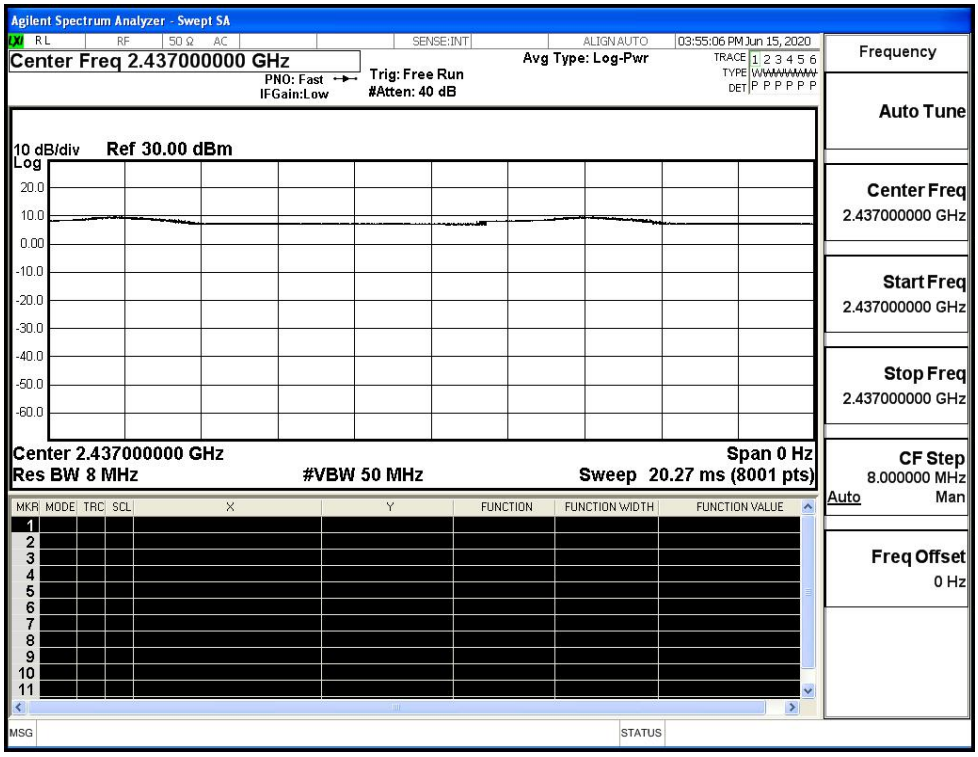
Environmental Conditions

Temperature:	23.1 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

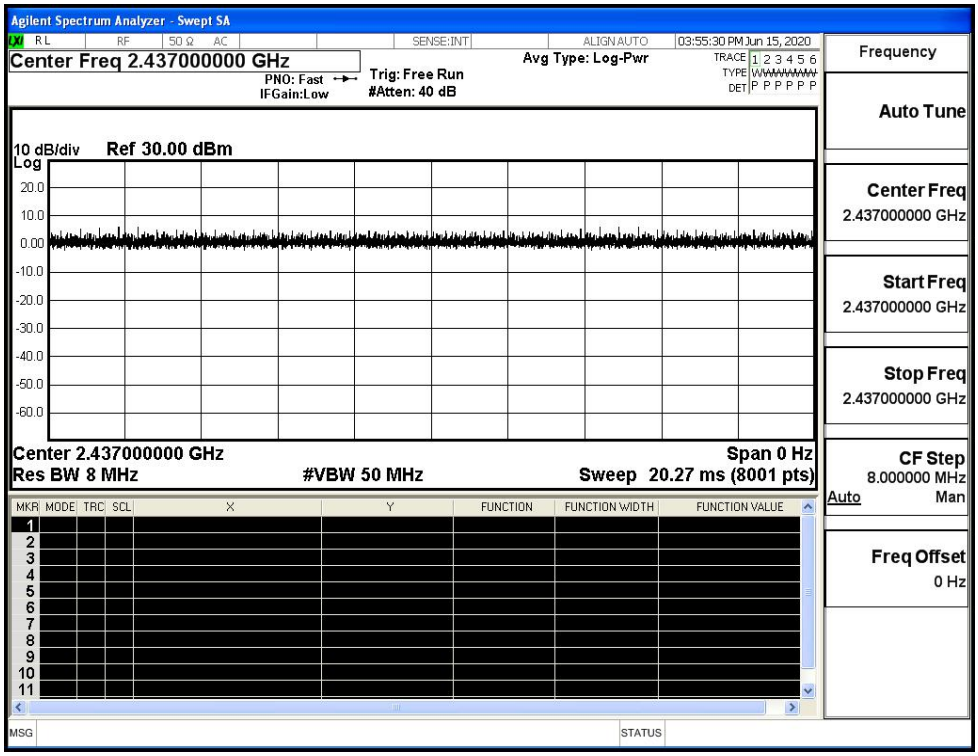
B.1 Duty Cycle

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

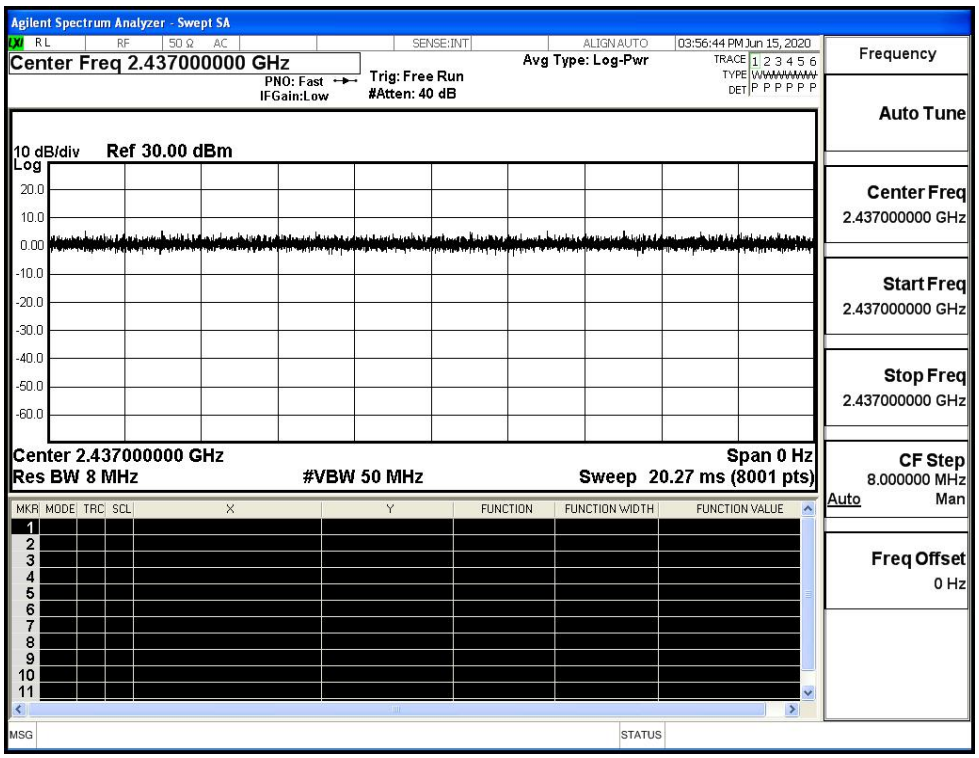
Duty Cycle_11B_2437_Ant1



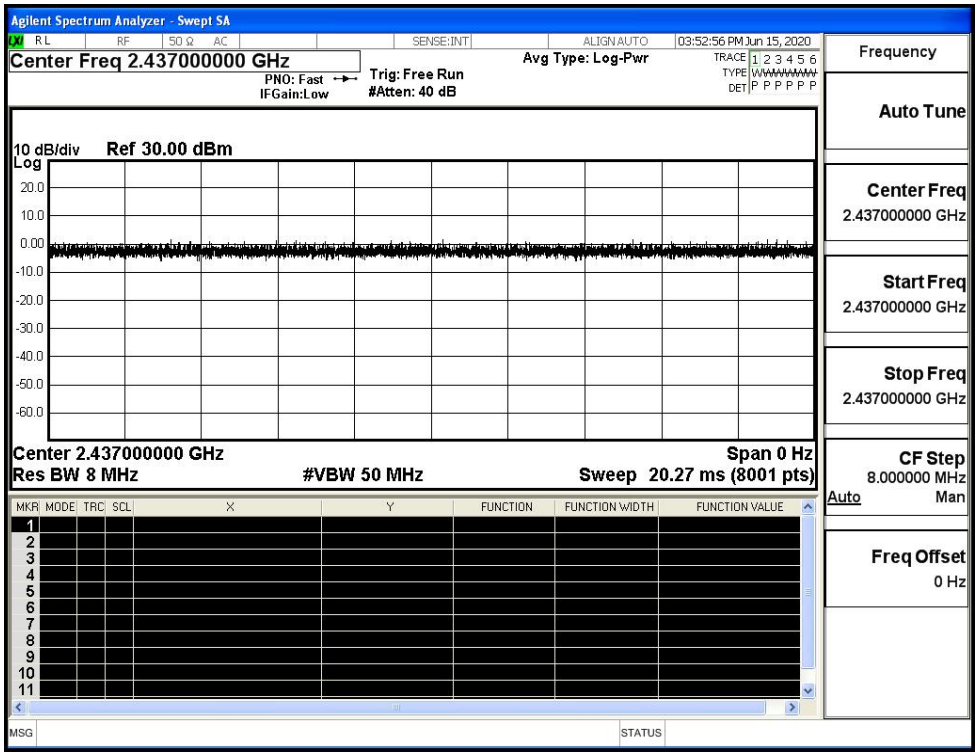
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1

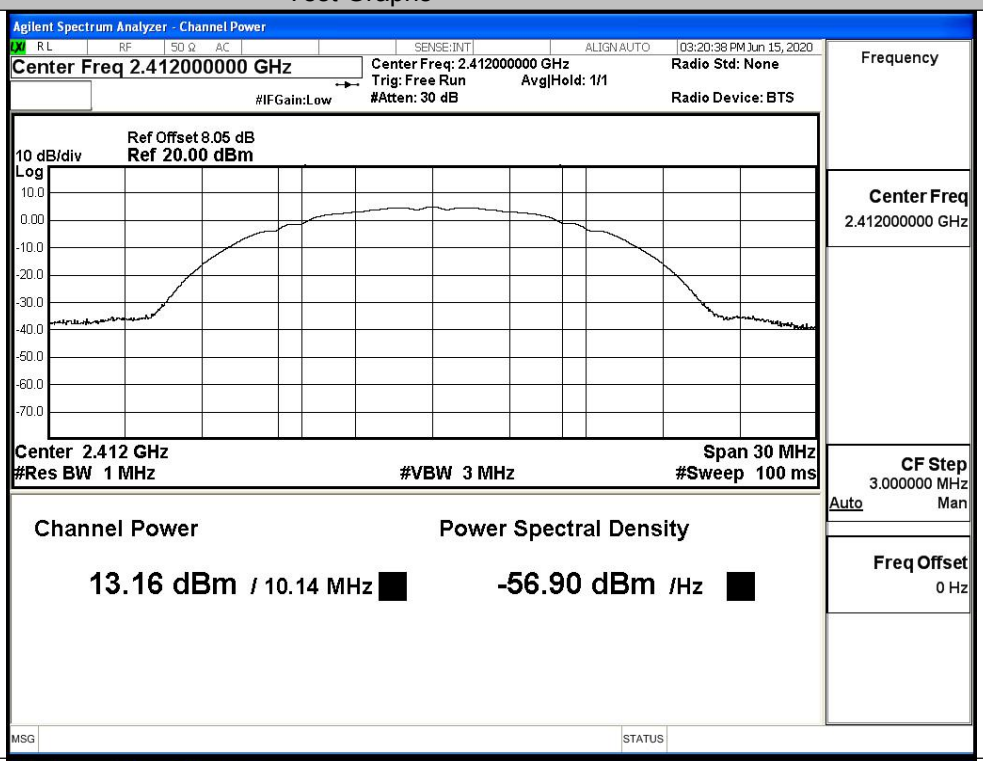
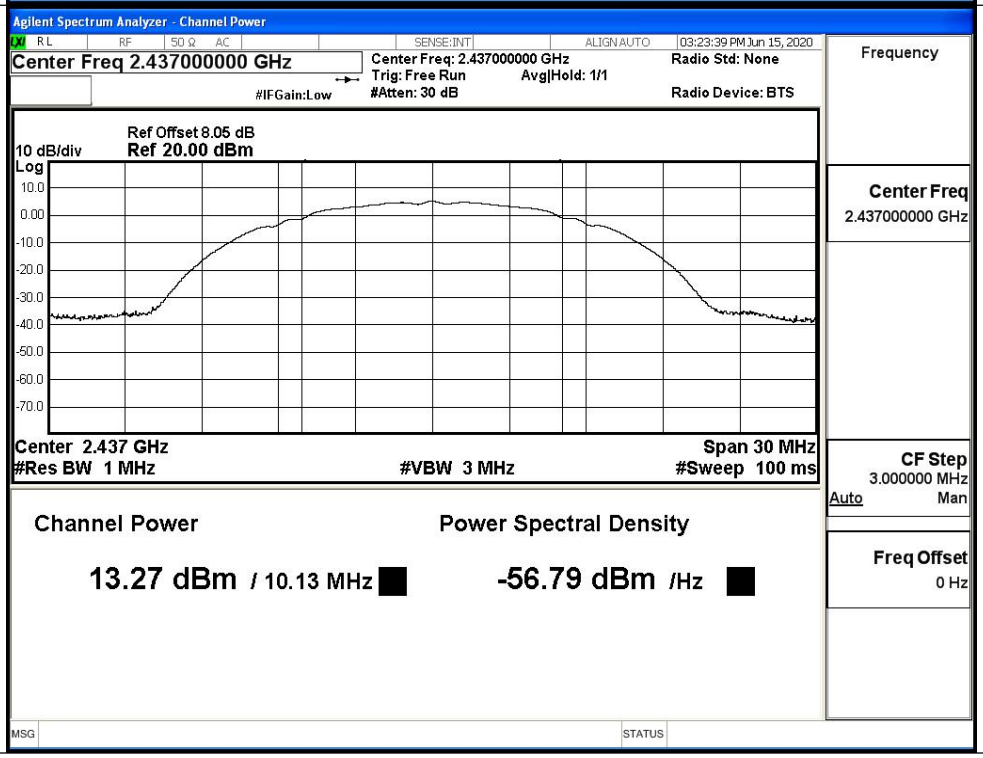


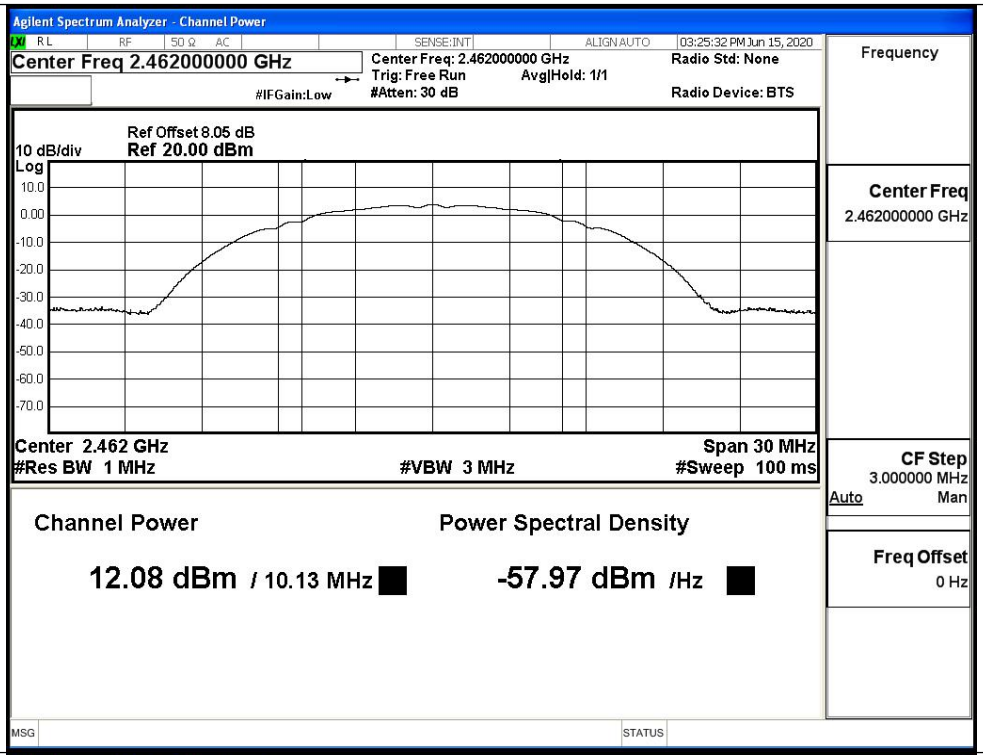
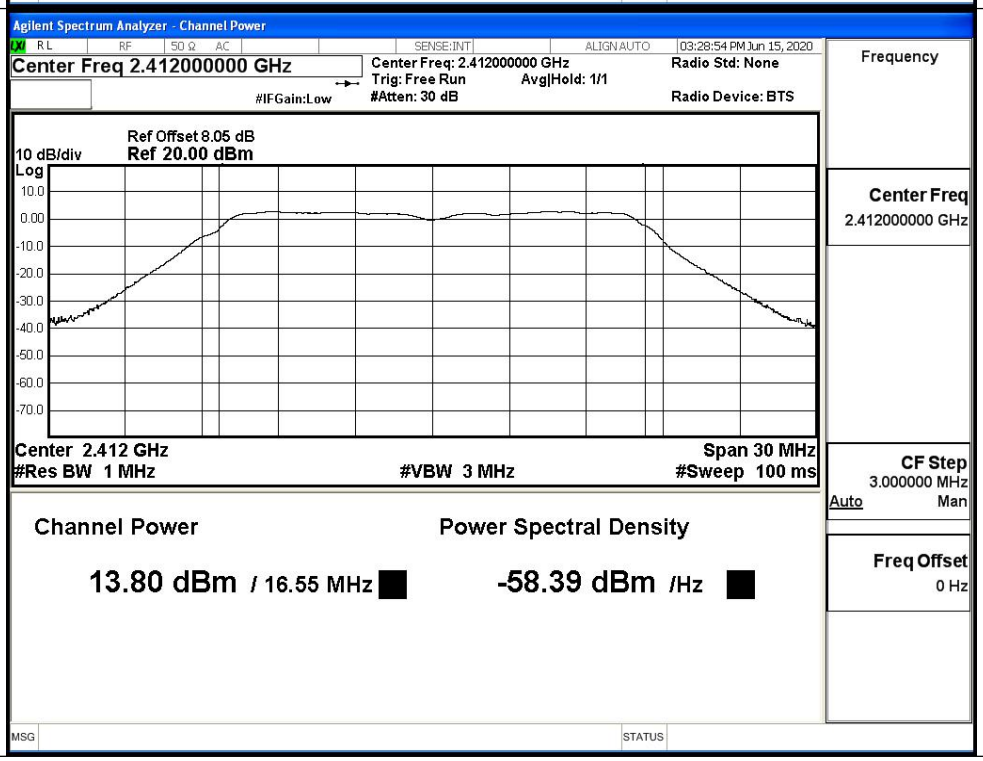
Duty Cycle_11N40SISO_2437_Ant1

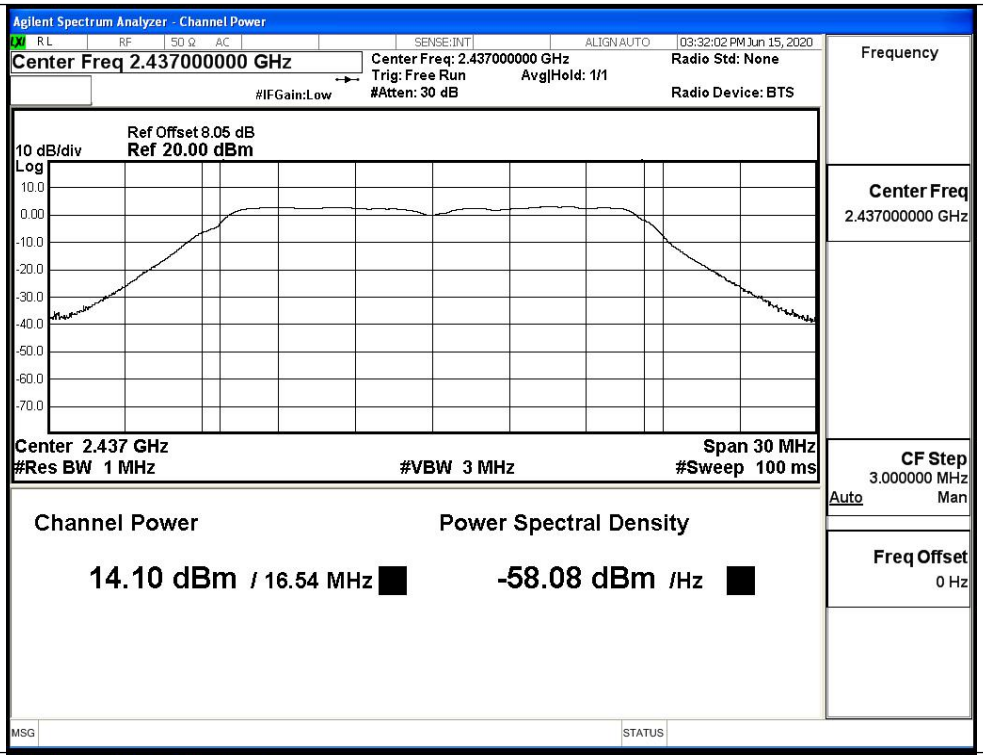
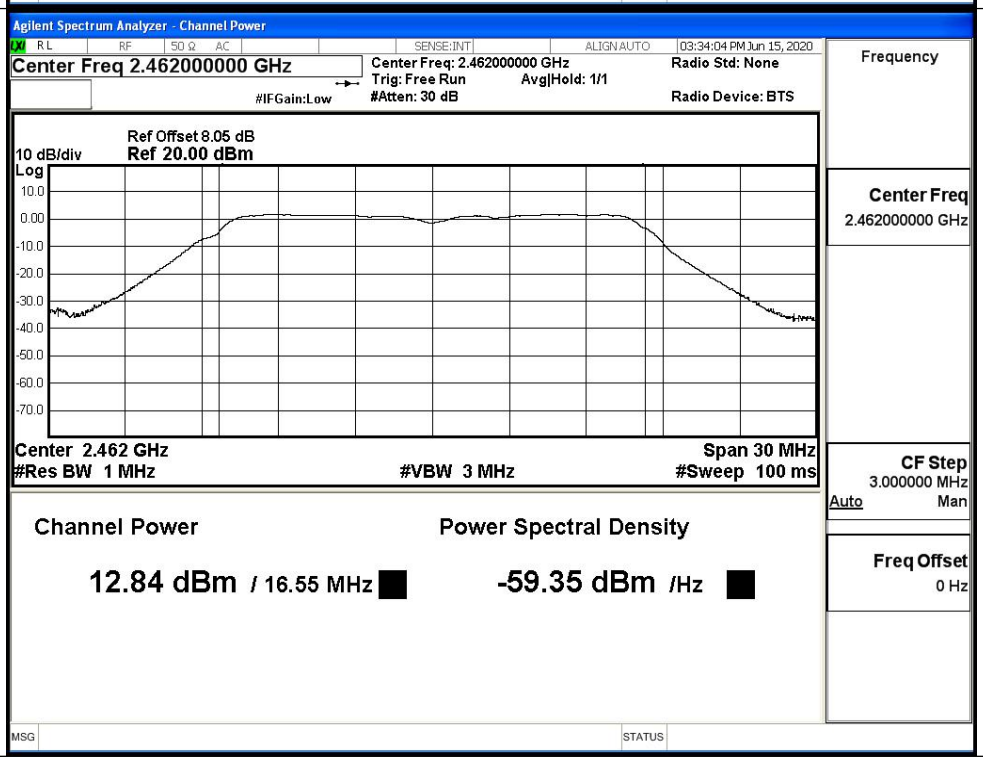


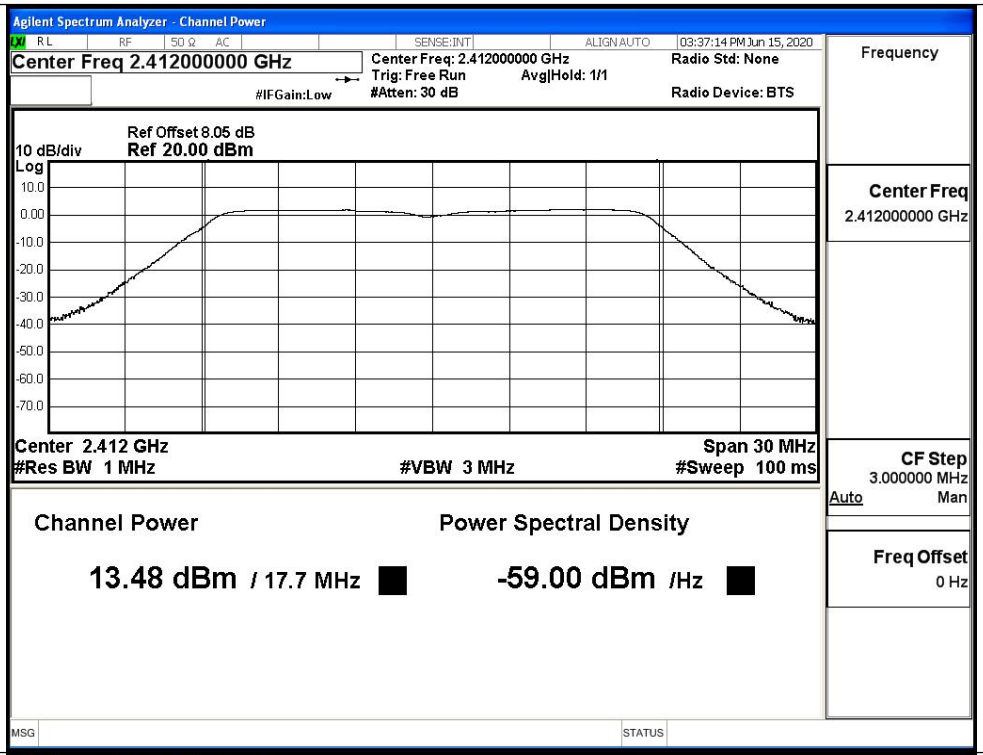
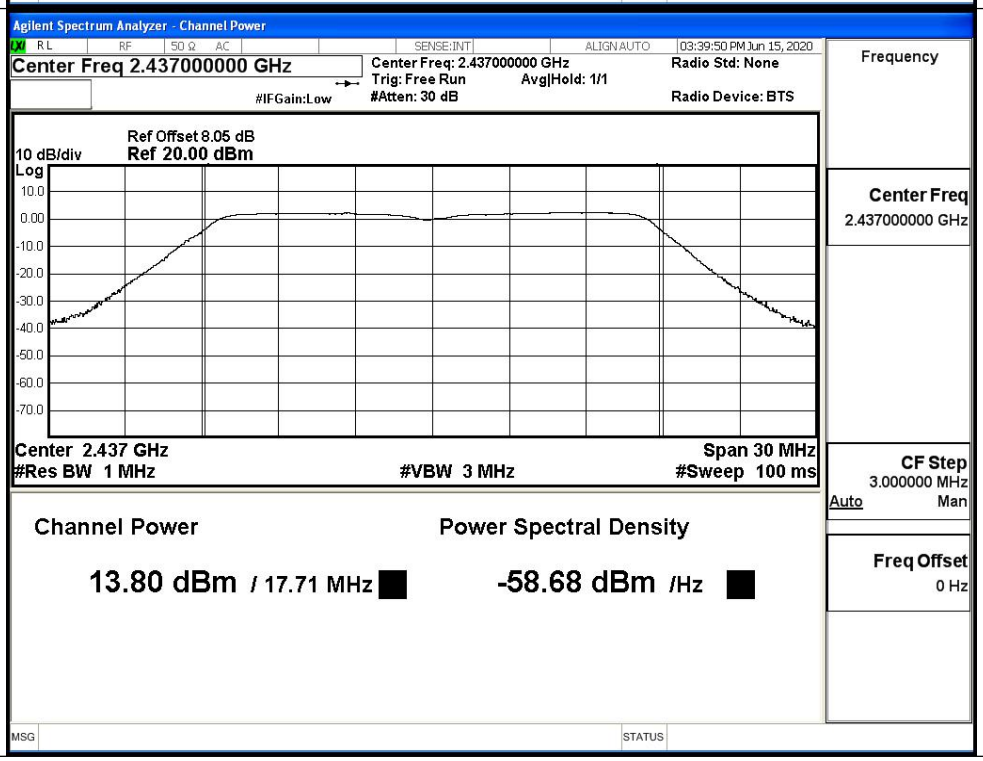
B.2 Maximum Conducted Output Power

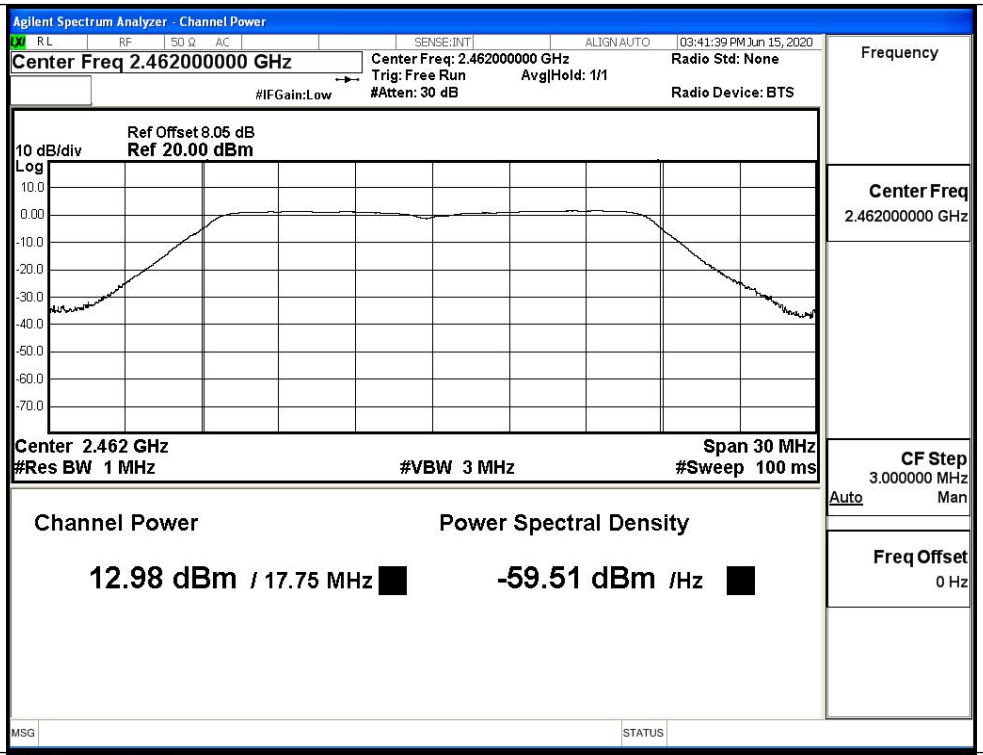
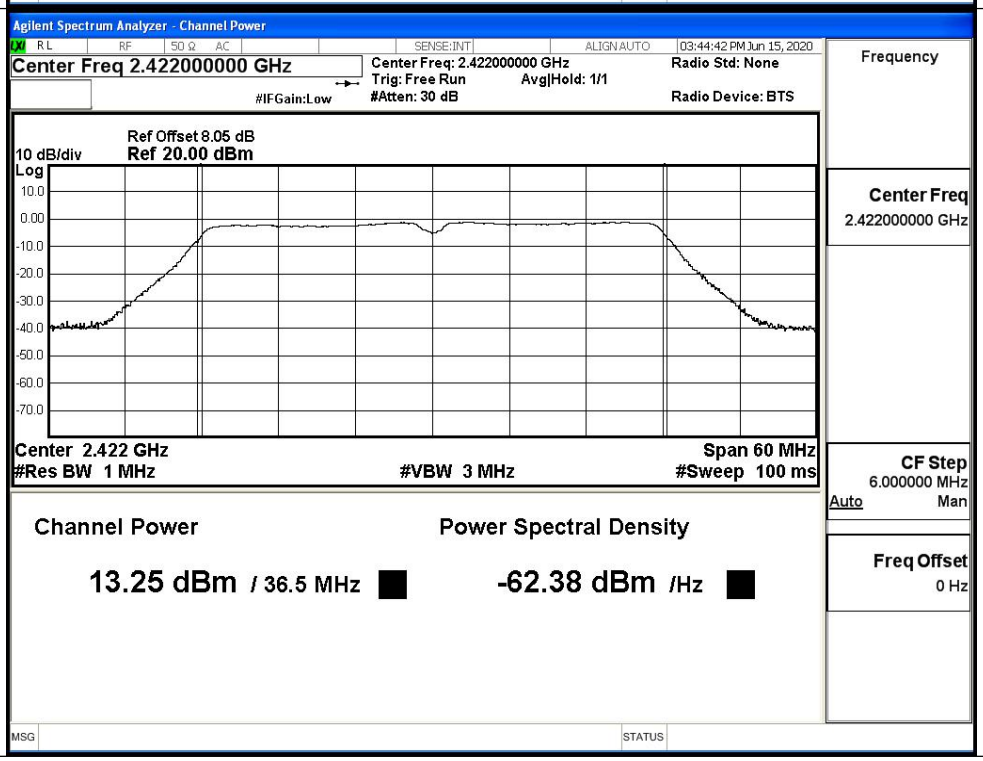
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	13.16	30	PASS
	MCH	13.27	30	PASS
	HCH	12.08	30	PASS
11G	LCH	13.80	30	PASS
	MCH	**14.10**	30	PASS
	HCH	12.84	30	PASS
11N20SISO	LCH	13.48	30	PASS
	MCH	13.80	30	PASS
	HCH	12.98	30	PASS
11N40SISO	LCH	13.25	30	PASS
	MCH	13.19	30	PASS
	HCH	13.51	30	PASS

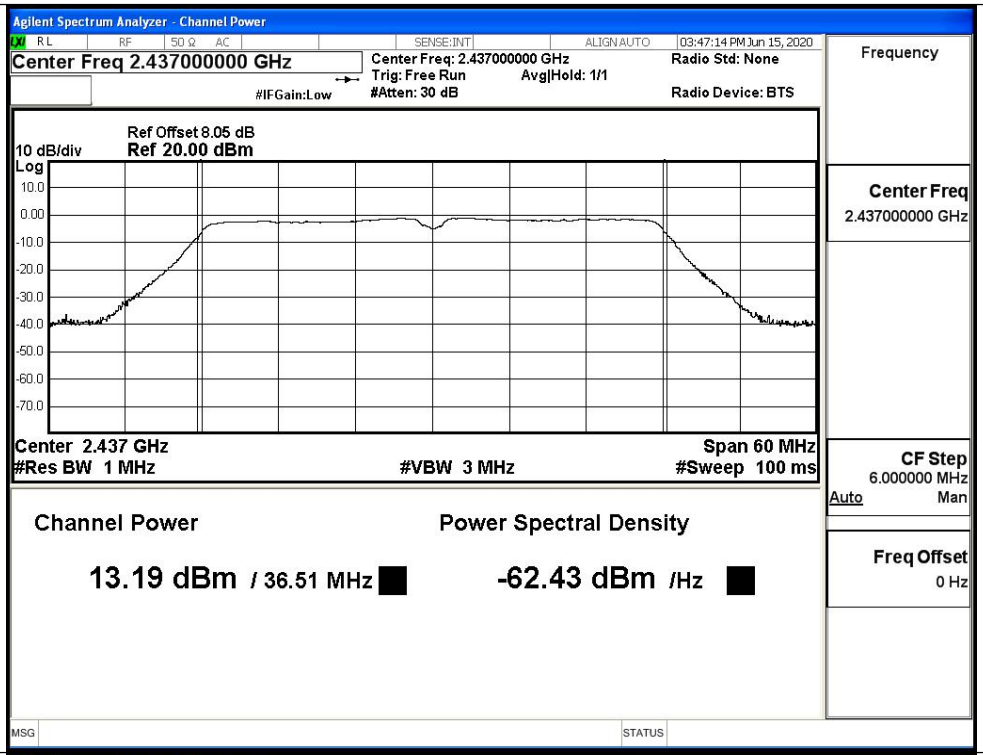
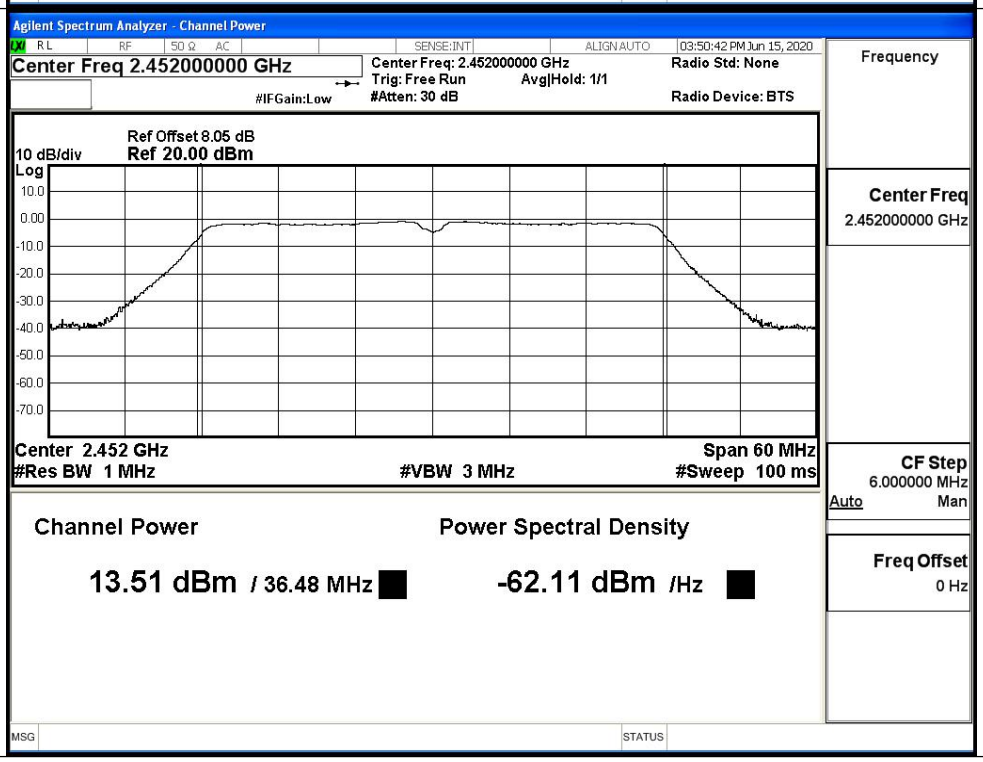
Test Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH	
11G/HCH	

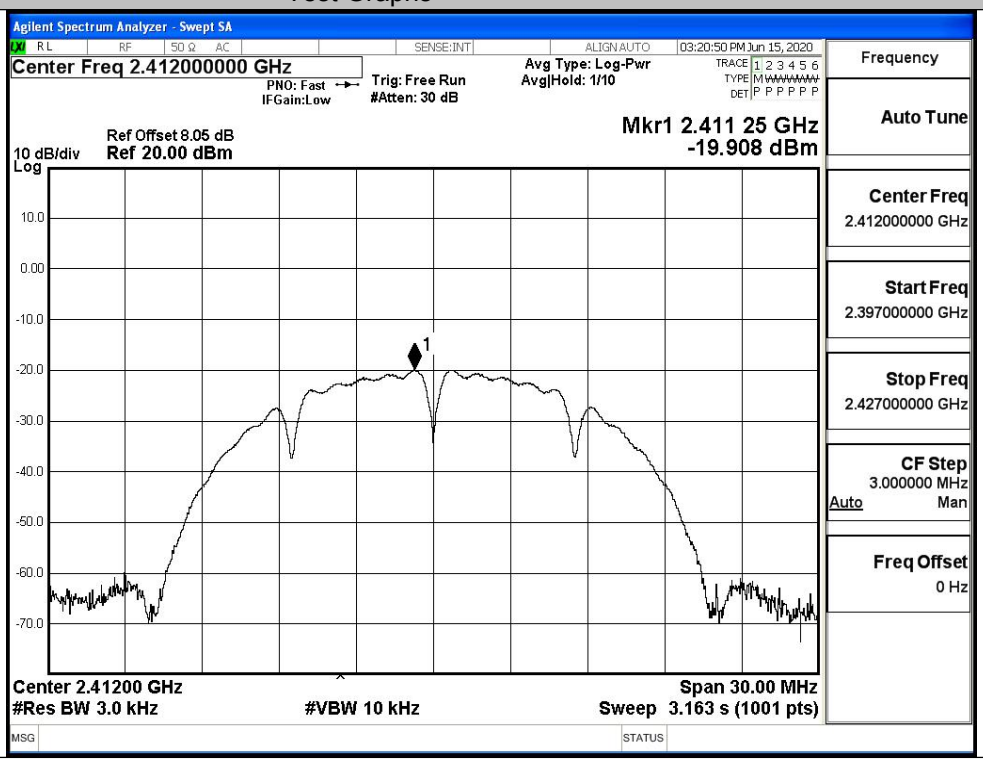
11N20SISO/LCH		
11N20SISO/MCH		

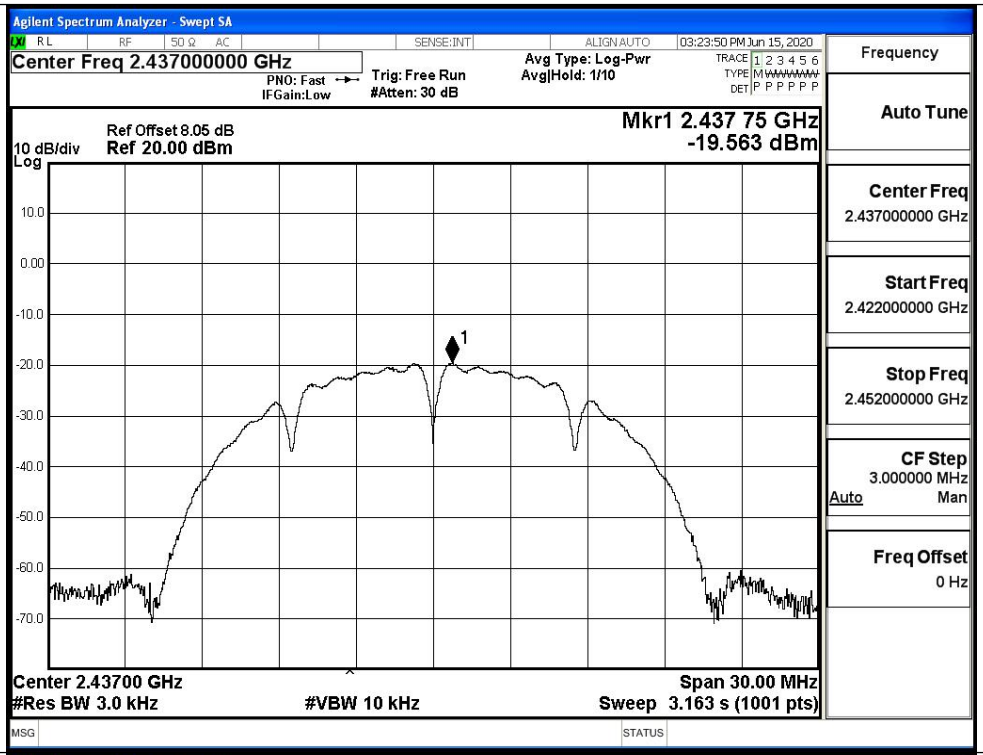
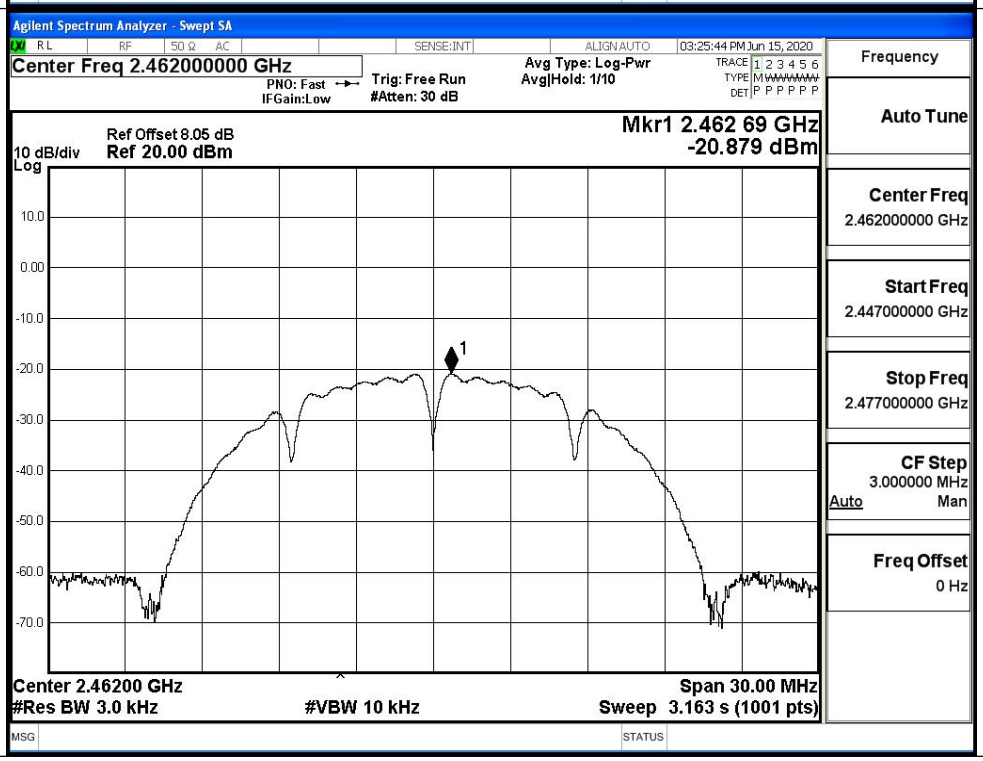
11N20SISO/HCH		
11N40SISO/LCH		

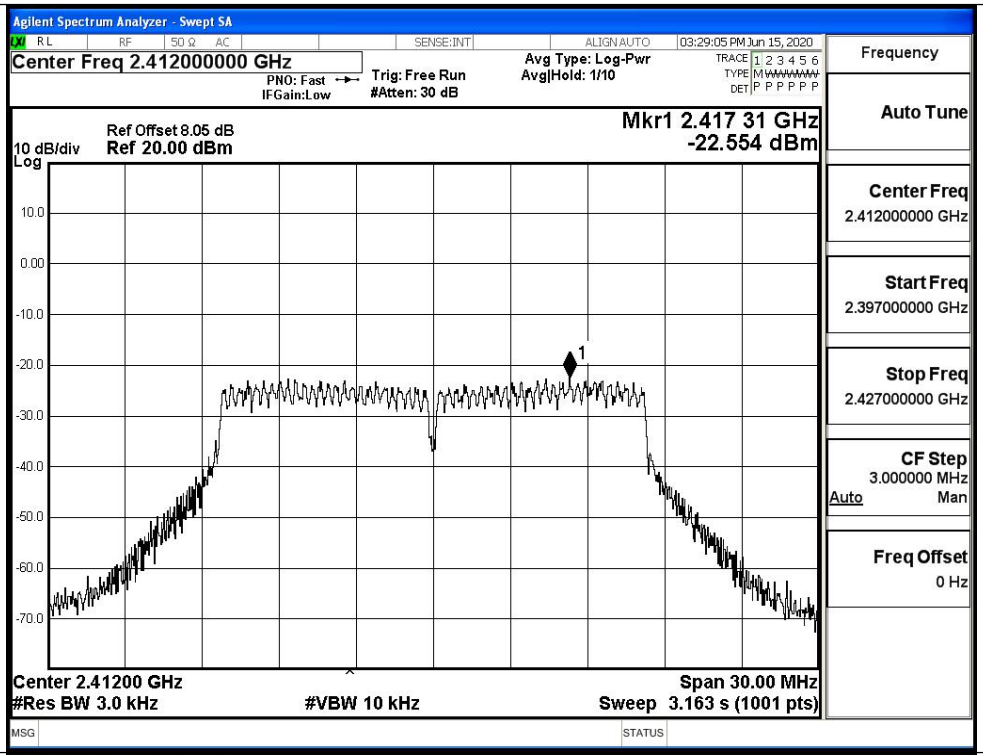
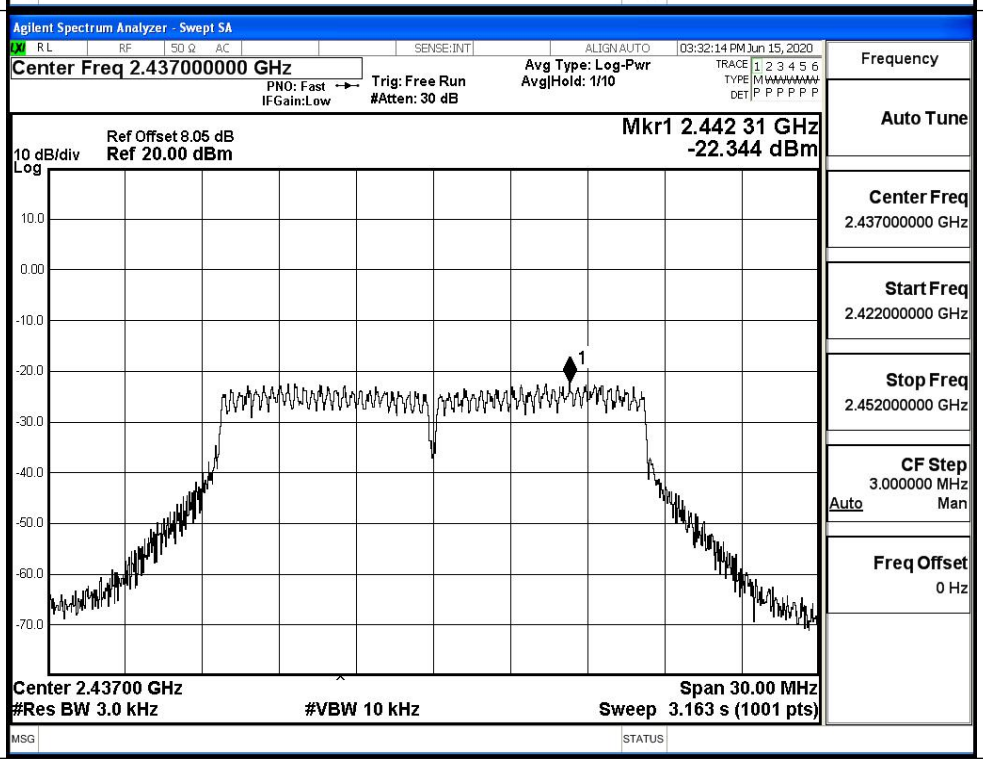
11N40SISO/MCH		
11N40SISO/HCH		

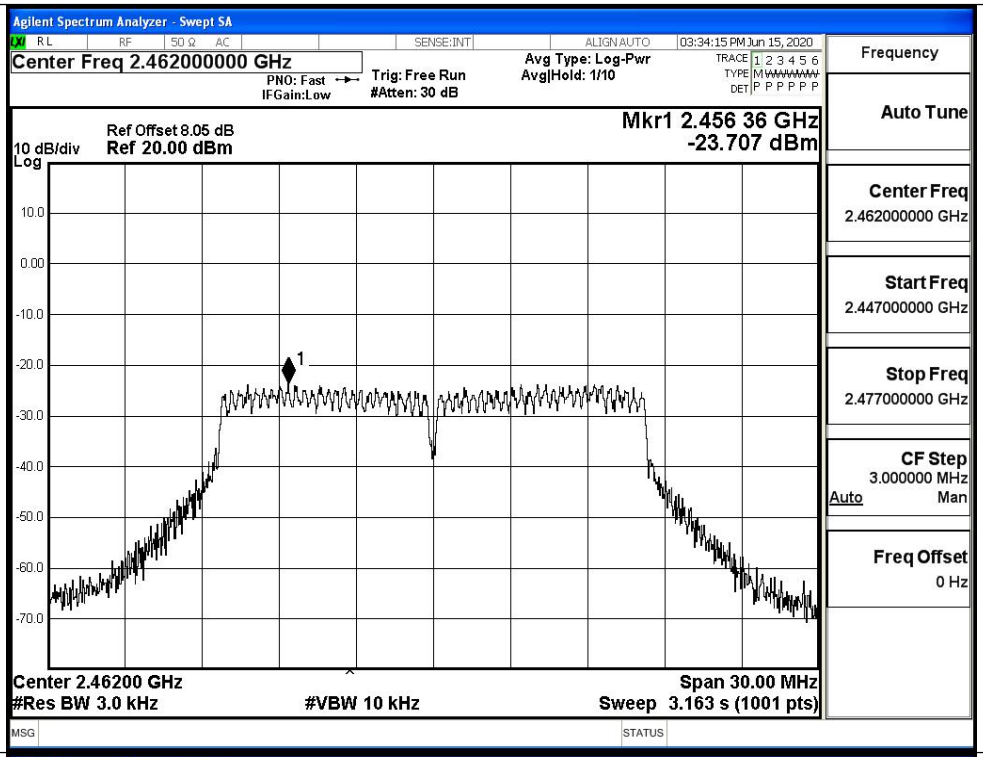
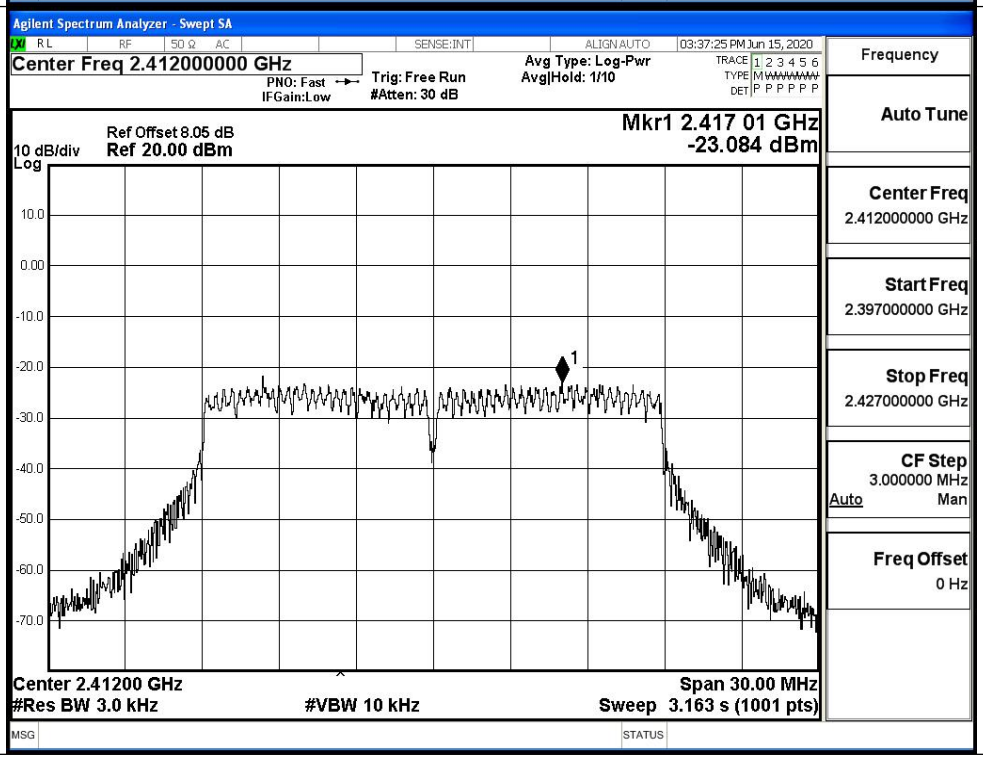
B.3 Maximum Power Spectral Density

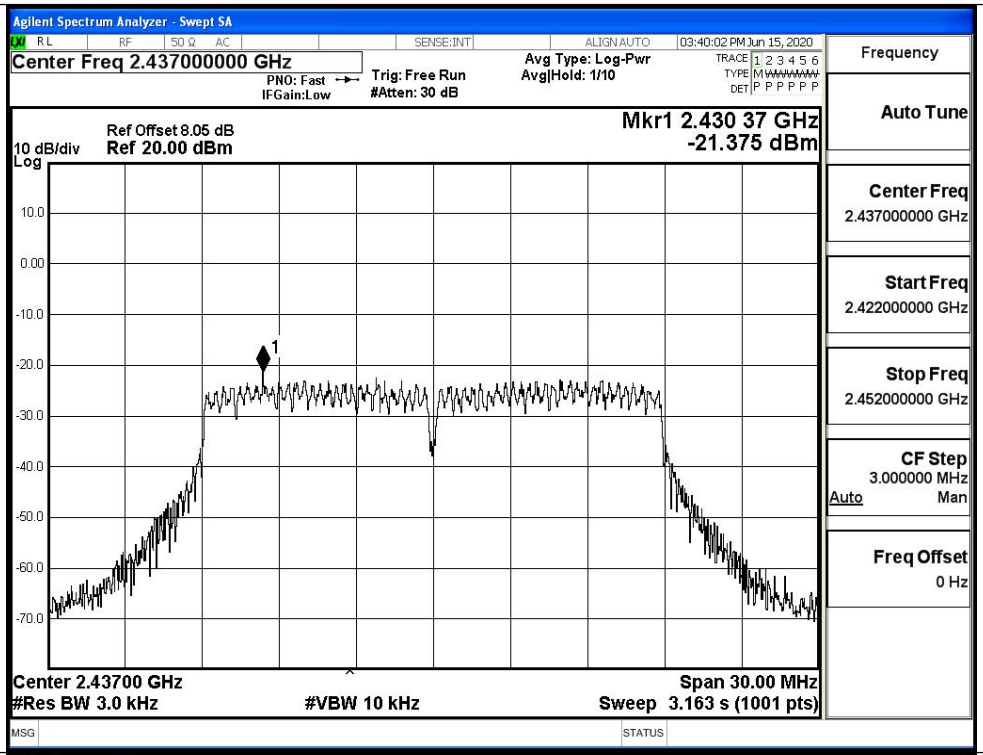
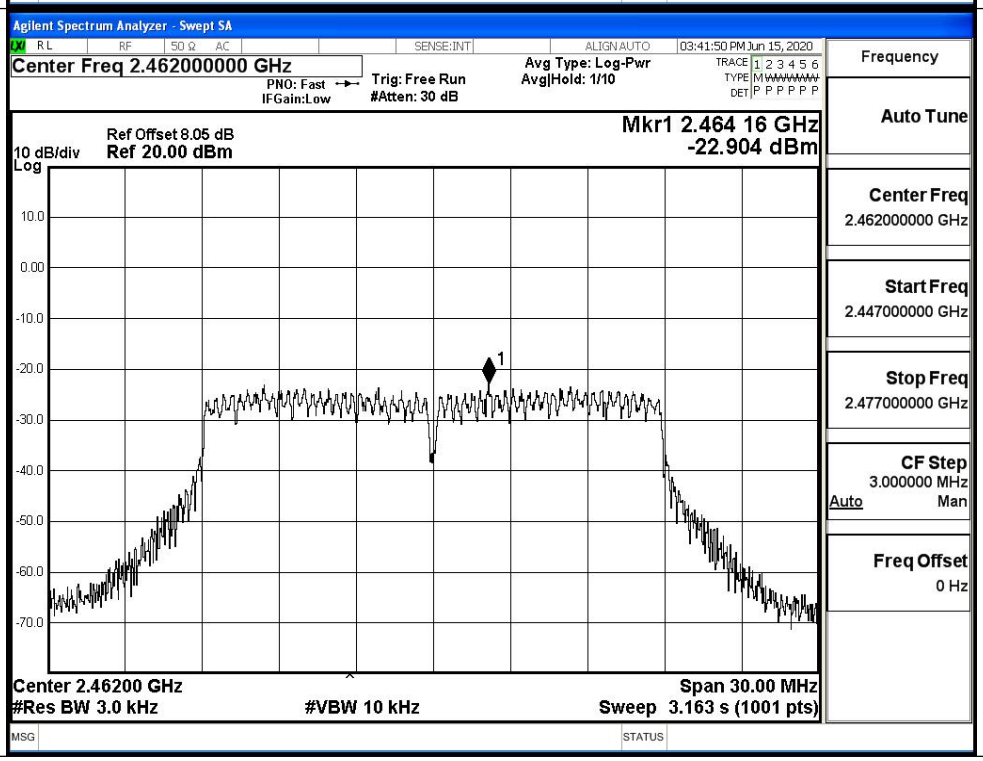
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-19.908	8	PASS
	MCH	-19.563	8	PASS
	HCH	-20.879	8	PASS
11G	LCH	-22.554	8	PASS
	MCH	-22.344	8	PASS
	HCH	-23.707	8	PASS
11N20SISO	LCH	-23.084	8	PASS
	MCH	-21.375	8	PASS
	HCH	-22.904	8	PASS
11N40SISO	LCH	-24.639	8	PASS
	MCH	-22.663	8	PASS
	HCH	-24.557	8	PASS

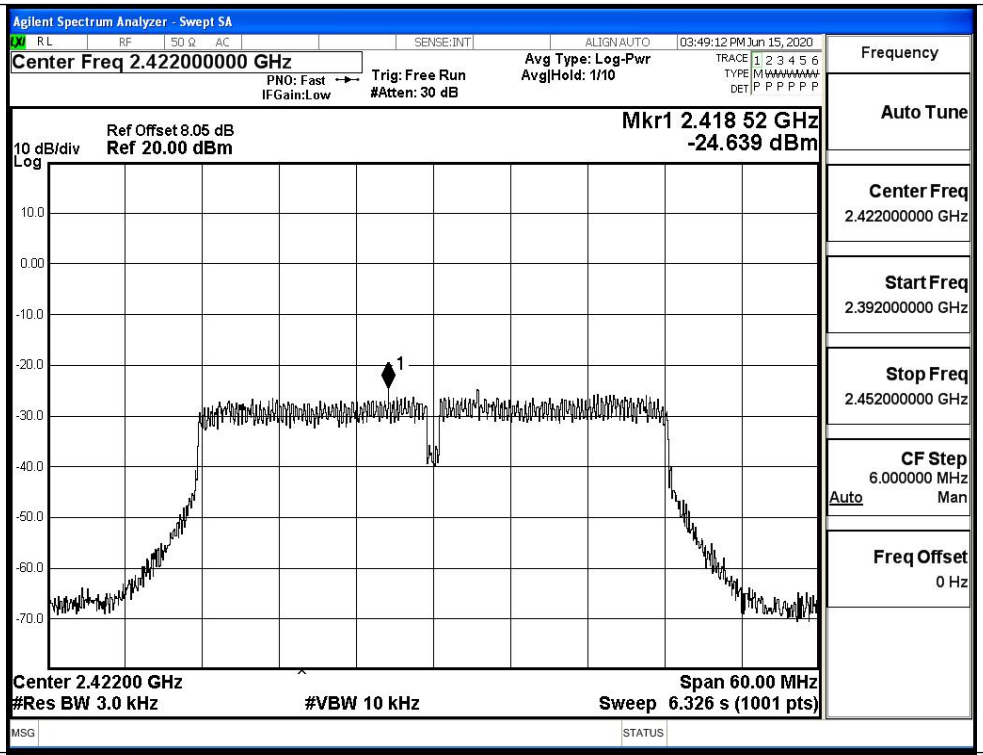
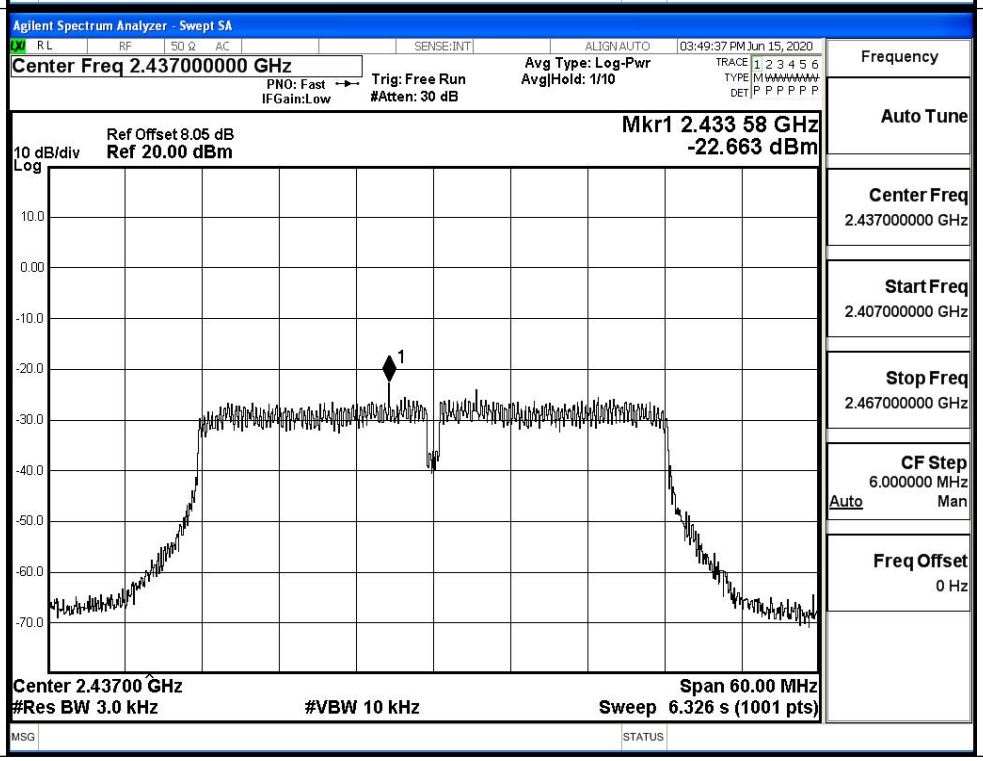
Test Graphs		
11B/LCH		

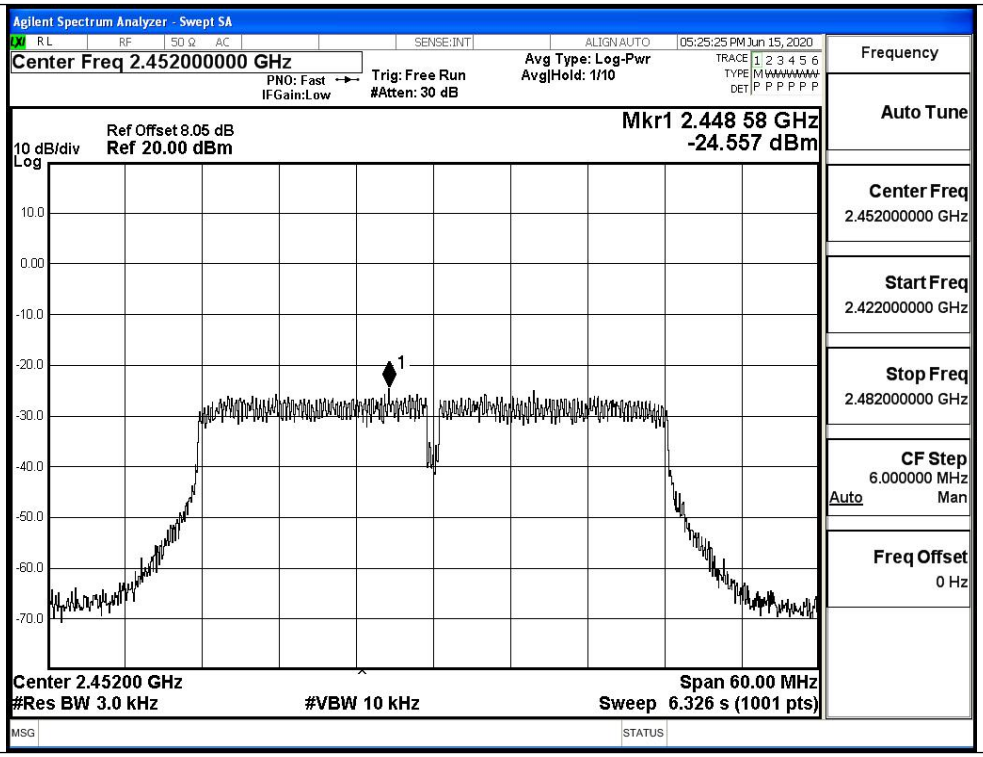
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

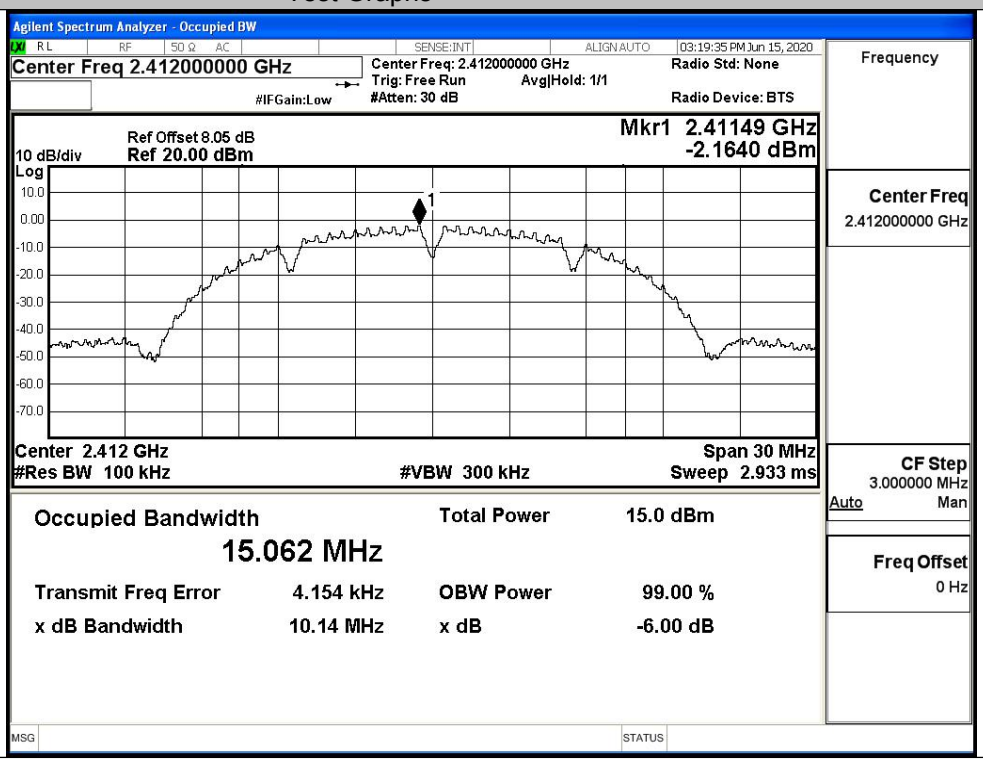
11N20SISO/MCH		
11N20SISO/HCH		

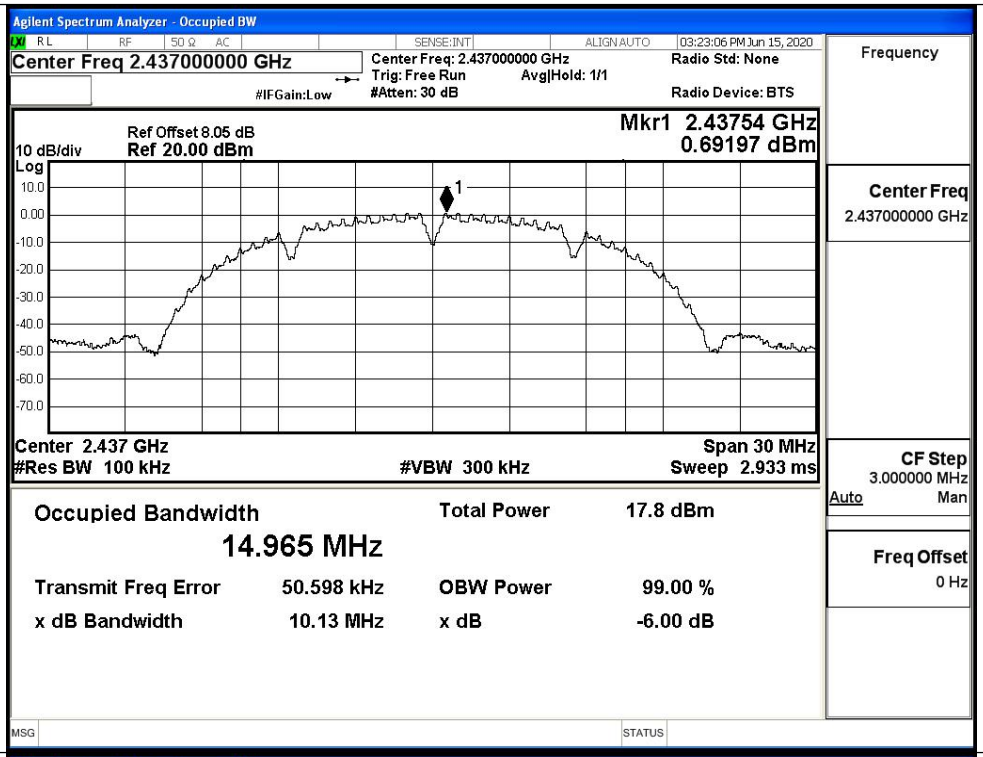
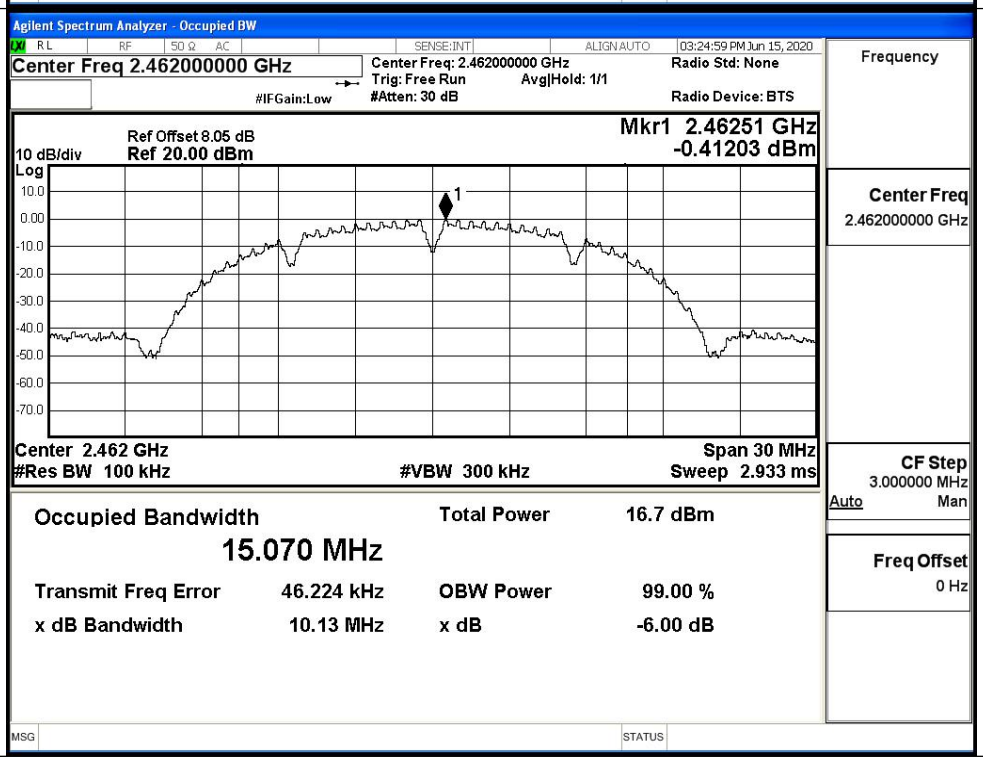
11N40SISO/LCH		
11N40SISO/MCH		

11N40SISO/HCH		

B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.14	⩾0.5	PASS
	MCH	10.13	⩾0.5	PASS
	HCH	10.13	⩾0.5	PASS
11G	LCH	16.55	⩾0.5	PASS
	MCH	16.54	⩾0.5	PASS
	HCH	16.55	⩾0.5	PASS
11N20SISO	LCH	17.70	⩾0.5	PASS
	MCH	17.71	⩾0.5	PASS
	HCH	17.75	⩾0.5	PASS
11N40SISO	LCH	36.50	⩾0.5	PASS
	MCH	36.51	⩾0.5	PASS
	HCH	36.48	⩾0.5	PASS

Test Graphs	
11B/LCH	

11B/MCH		
11B/HCH