Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Smart TV Box

Trade Mark: N/A

Test Model: T95

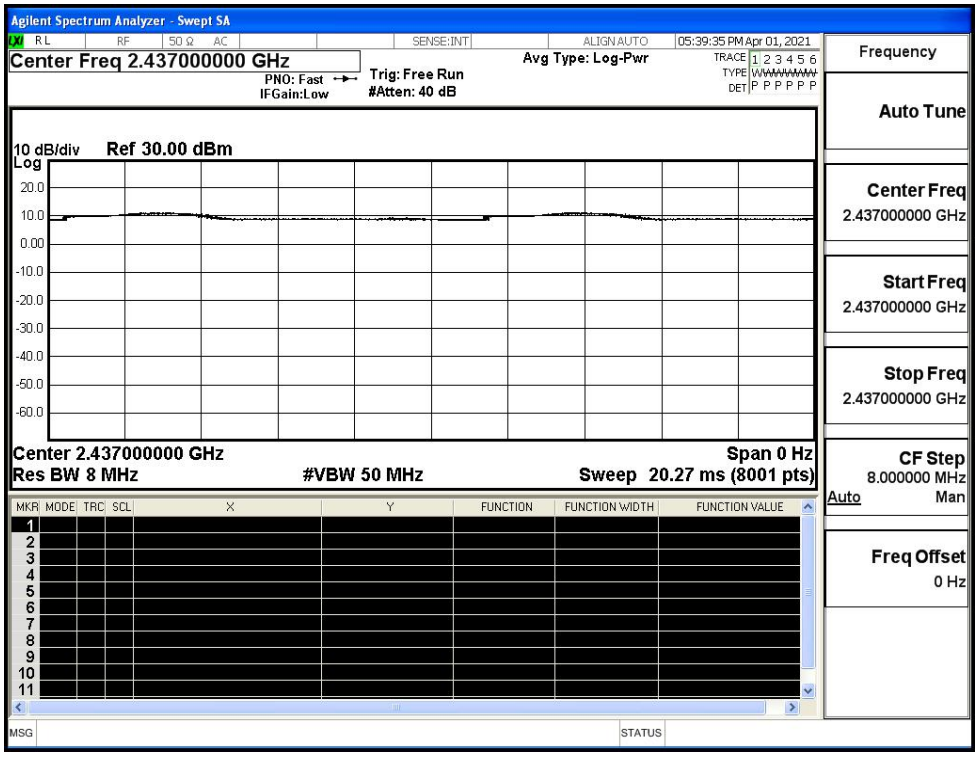
Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

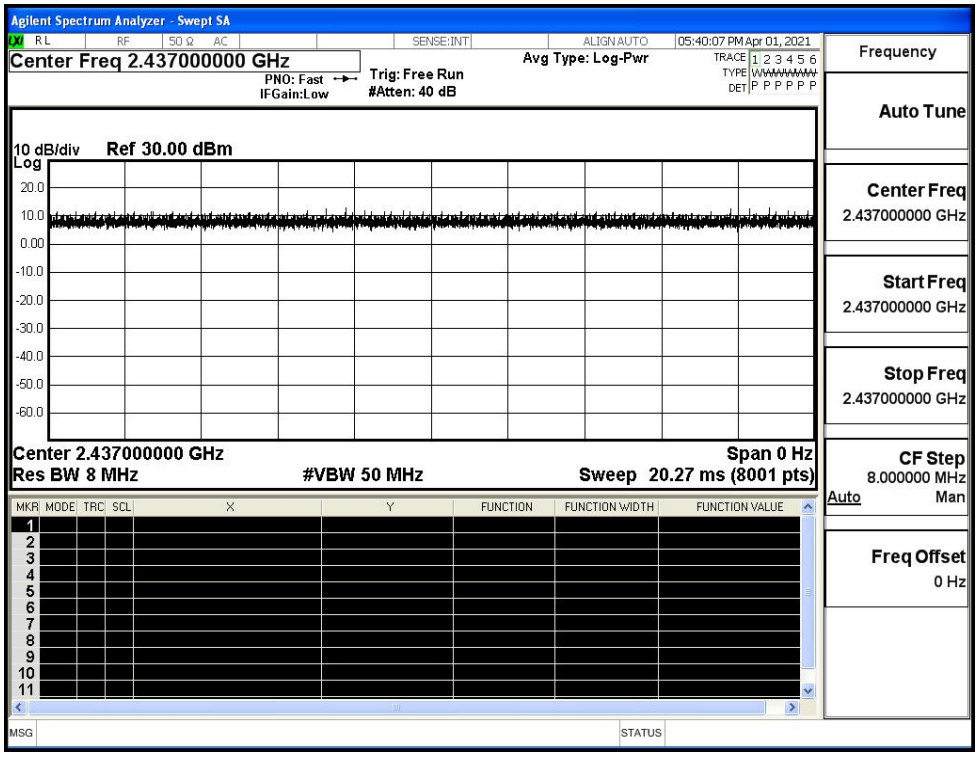
C.1 Duty Cycle

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

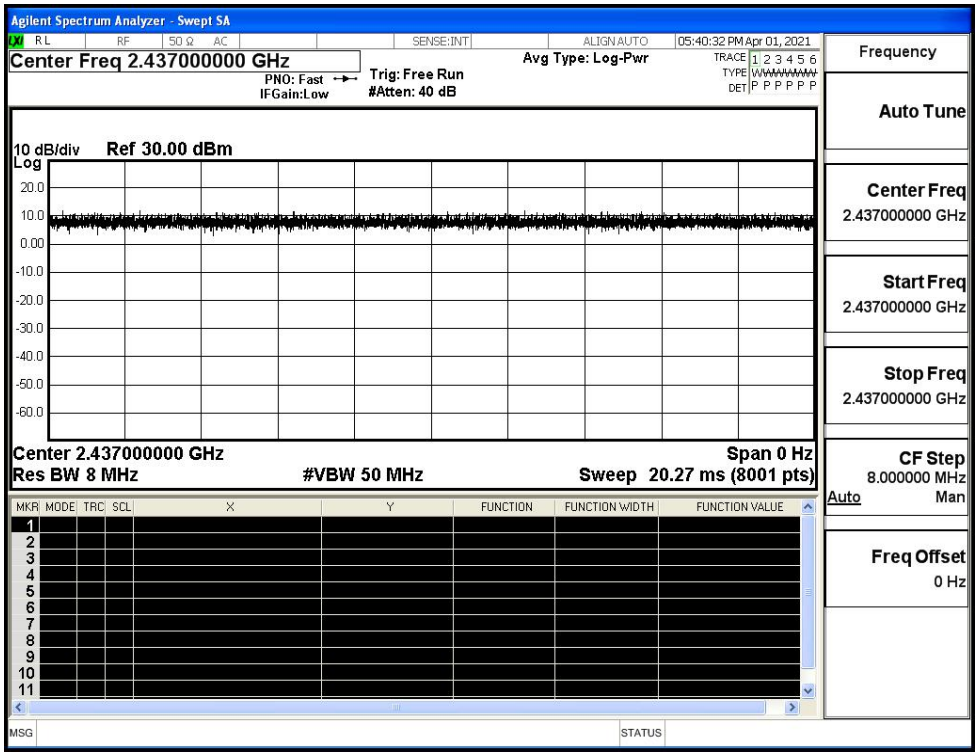
Duty Cycle_11B_2437_Ant1



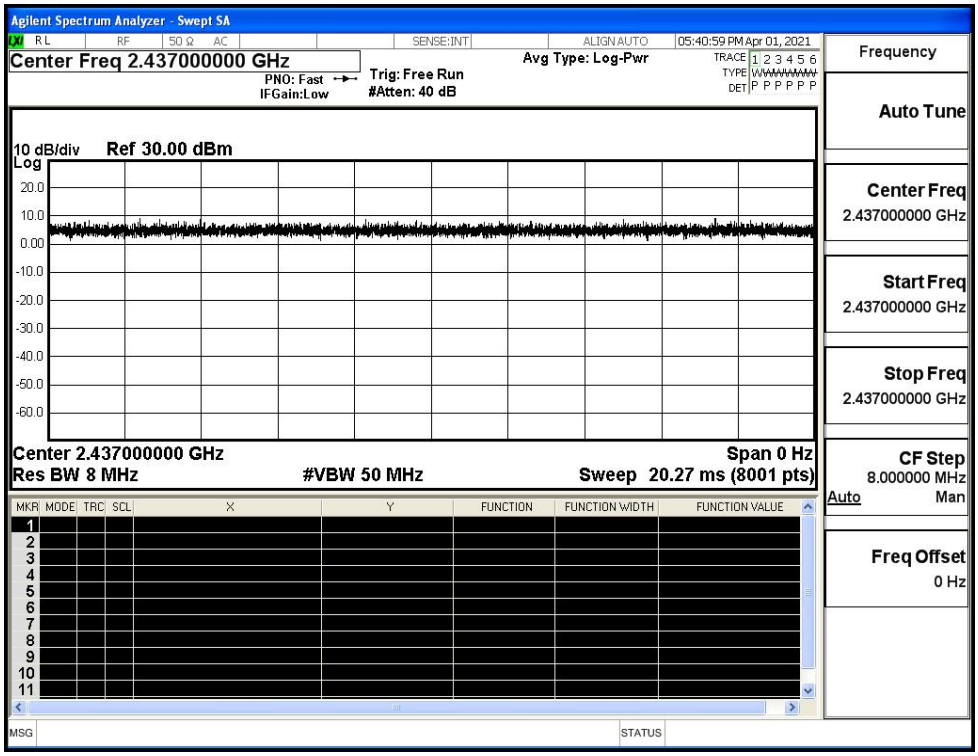
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

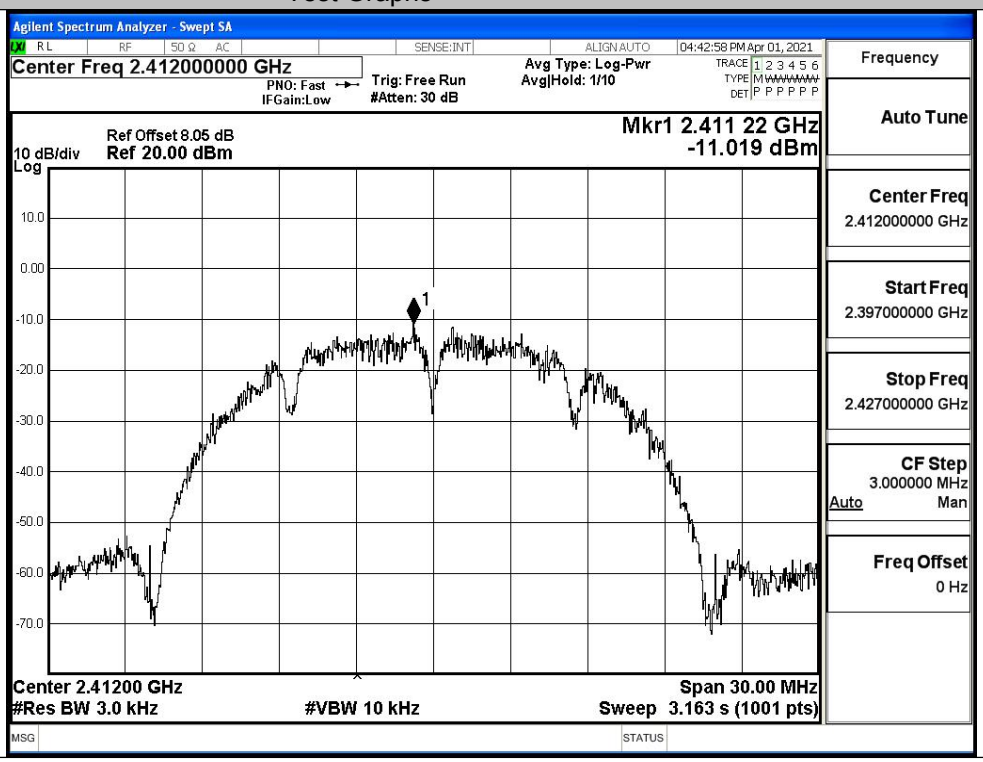


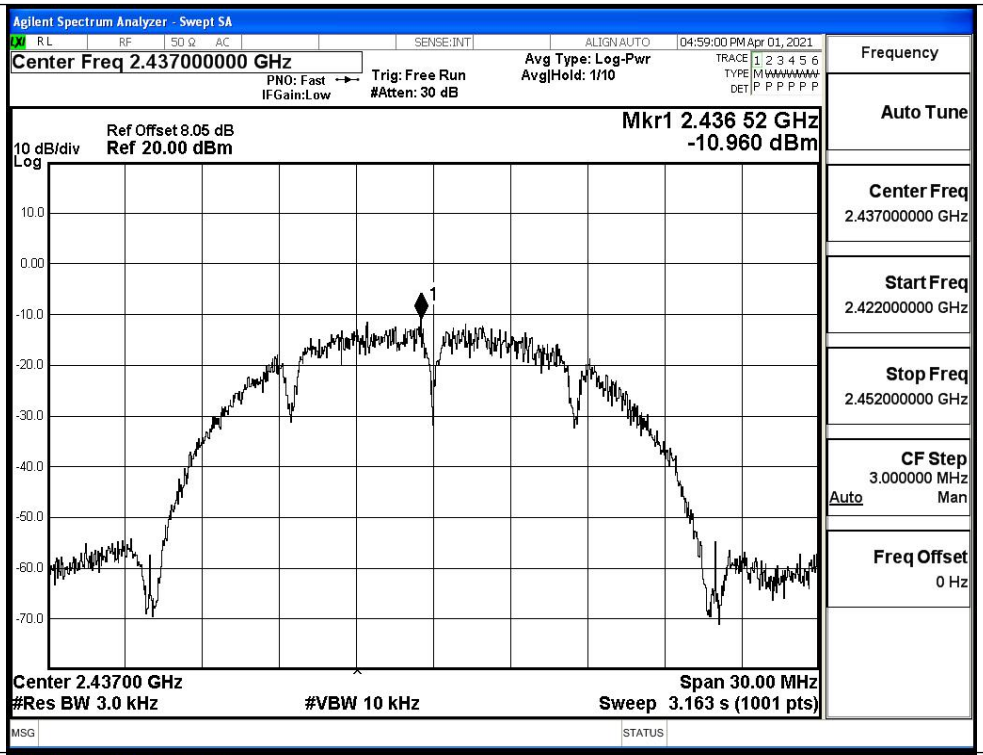
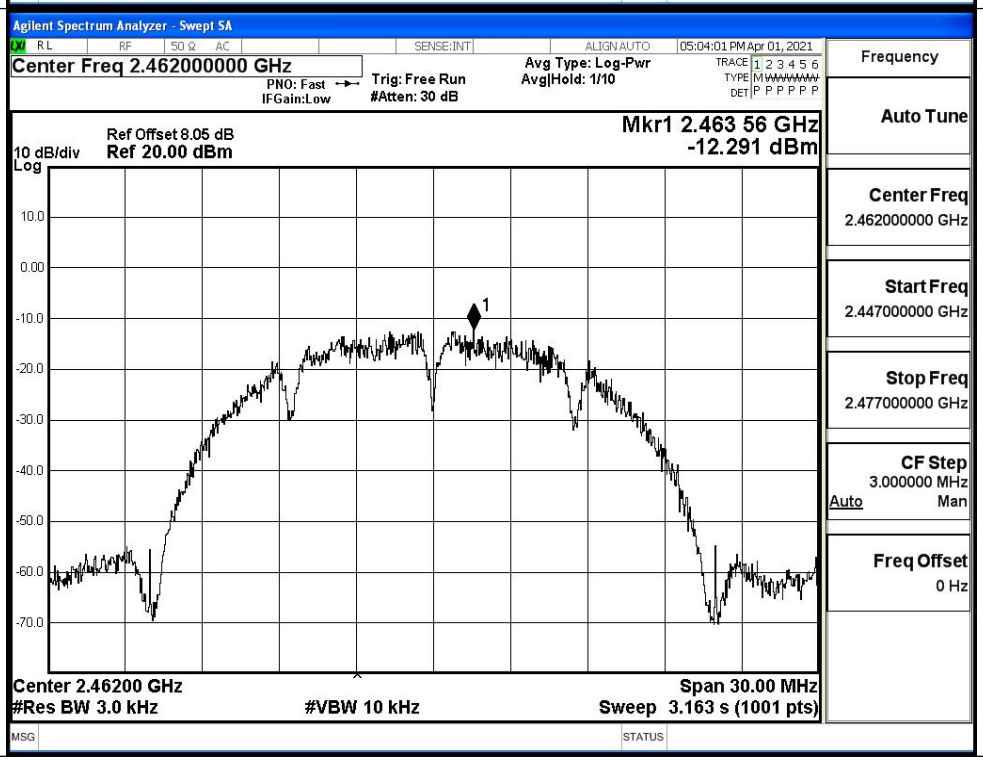
C.2 Maximum Conducted Output Power

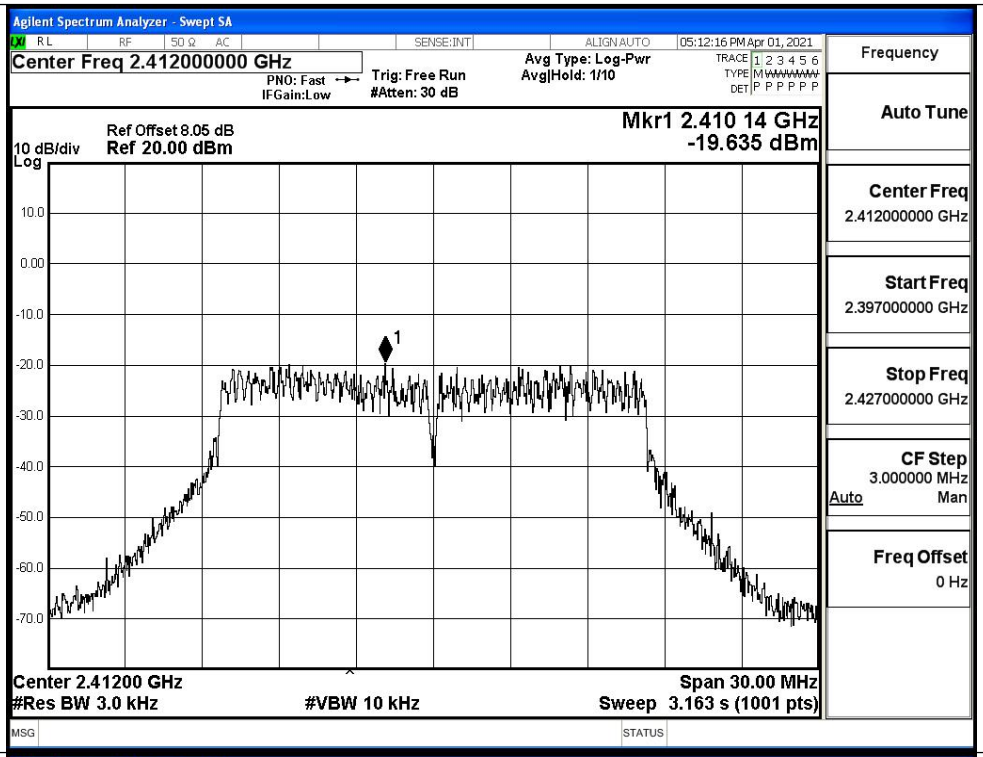
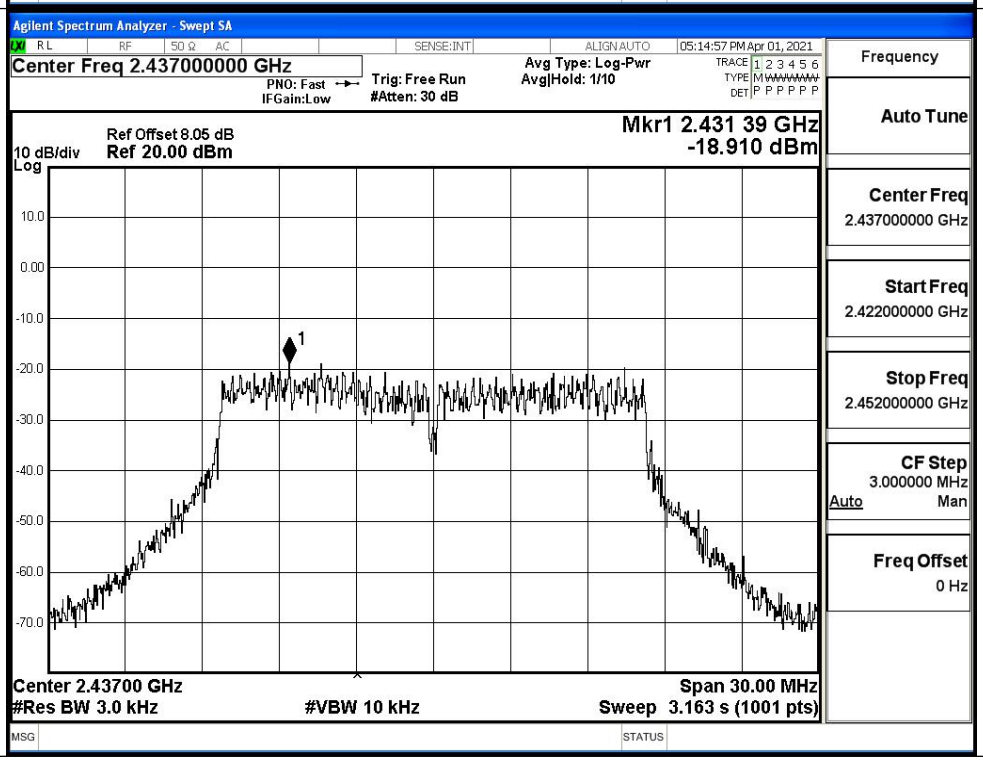
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	16.33	30	PASS
	MCH	16.8	30	PASS
	HCH	16.16	30	PASS
11G	LCH	15.17	30	PASS
	MCH	14.84	30	PASS
	HCH	14.33	30	PASS
11N20SISO	LCH	15.54	30	PASS
	MCH	15.83	30	PASS
	HCH	14.76	30	PASS
11N40SISO	LCH	15.17	30	PASS
	MCH	15.95	30	PASS
	HCH	15.63	30	PASS

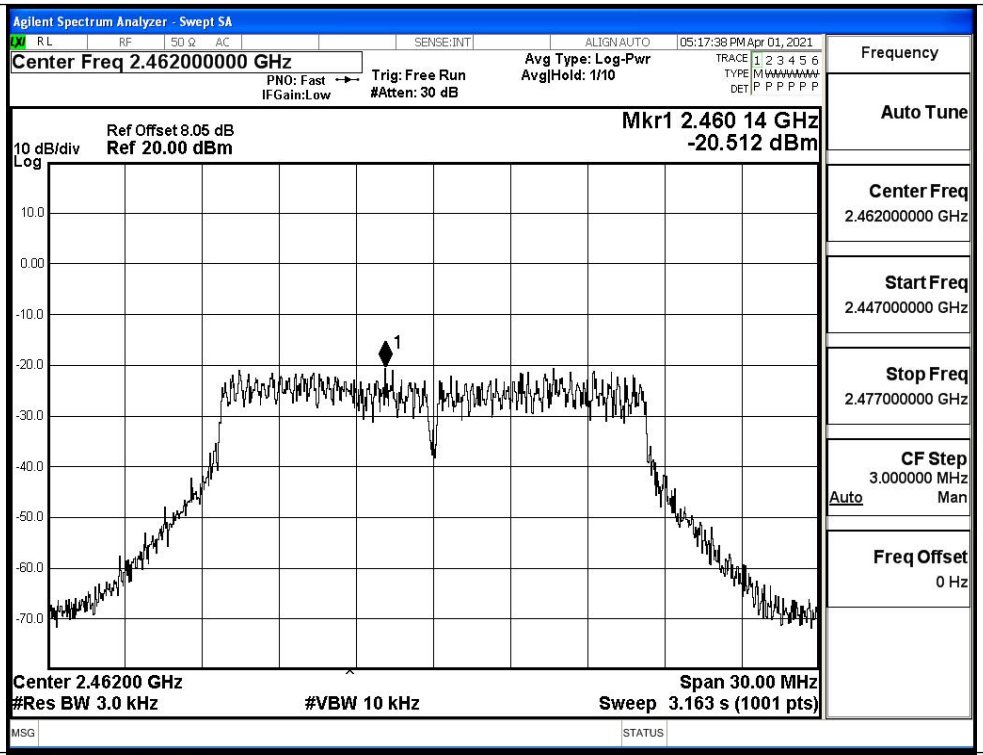
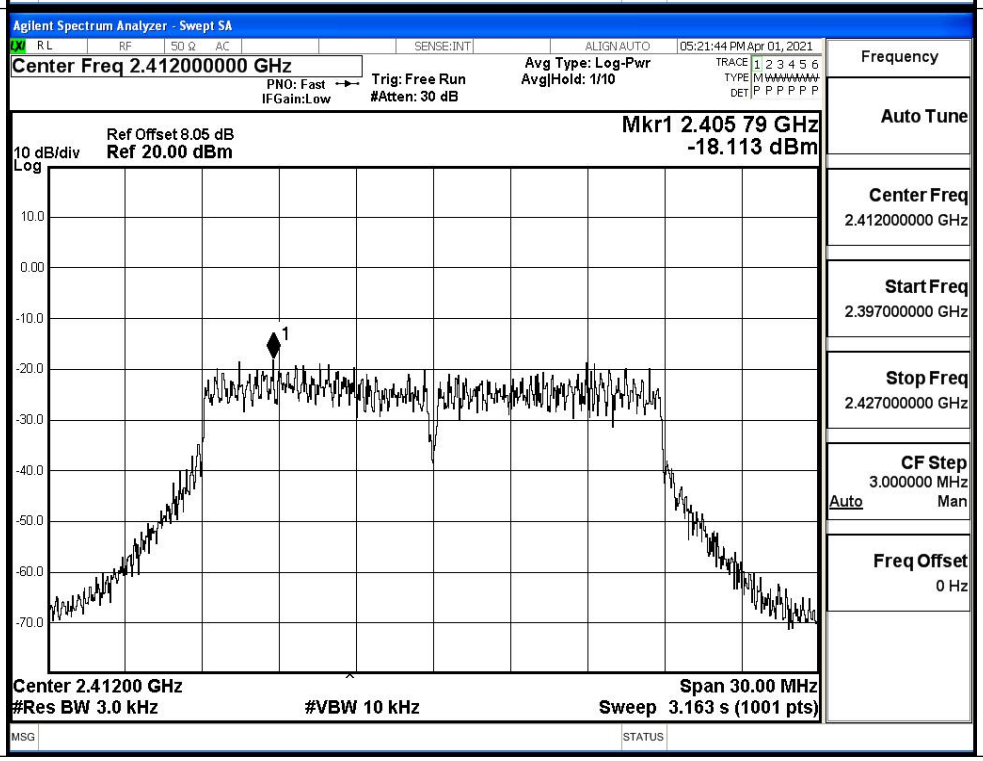
C.3 Maximum Power Spectral Density

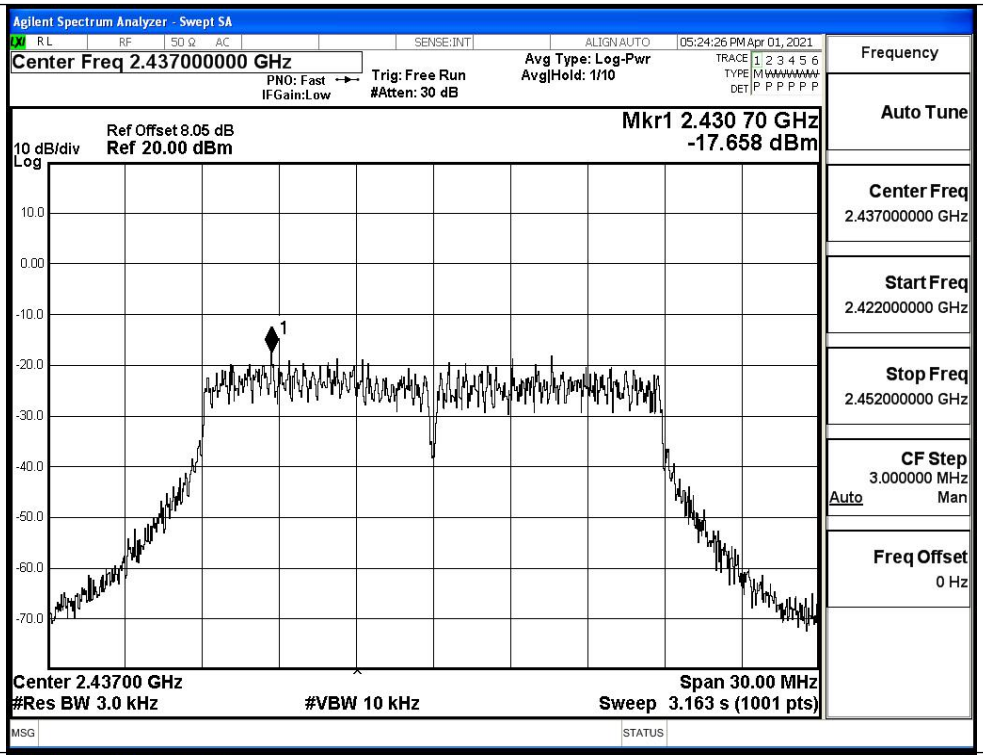
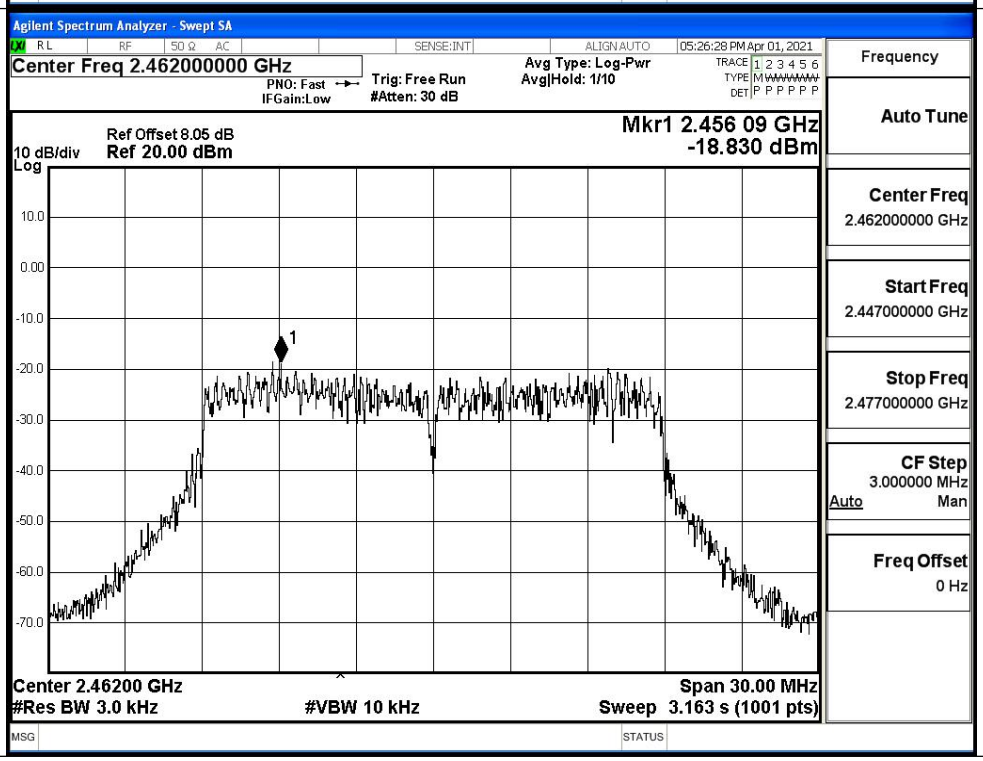
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-11.019	8	PASS
	MCH	-10.960	8	PASS
	HCH	-12.291	8	PASS
11G	LCH	-19.635	8	PASS
	MCH	-18.910	8	PASS
	HCH	-20.512	8	PASS
11N20SISO	LCH	-18.113	8	PASS
	MCH	-17.658	8	PASS
	HCH	-18.830	8	PASS
11N40SISO	LCH	-21.149	8	PASS
	MCH	-20.888	8	PASS
	HCH	-20.847	8	PASS

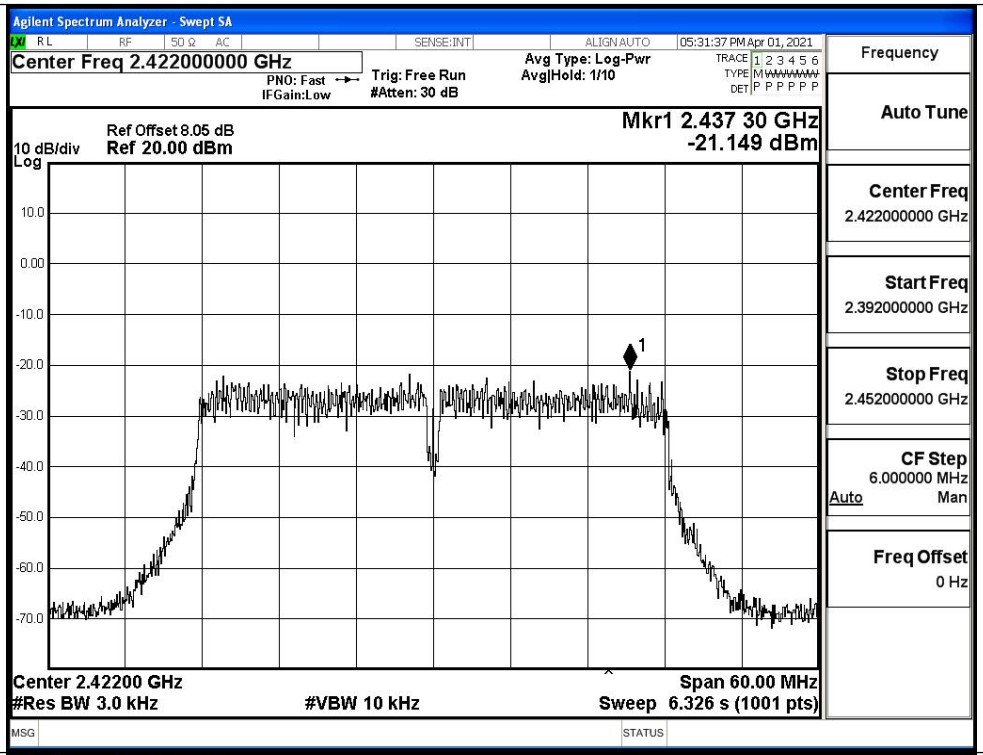
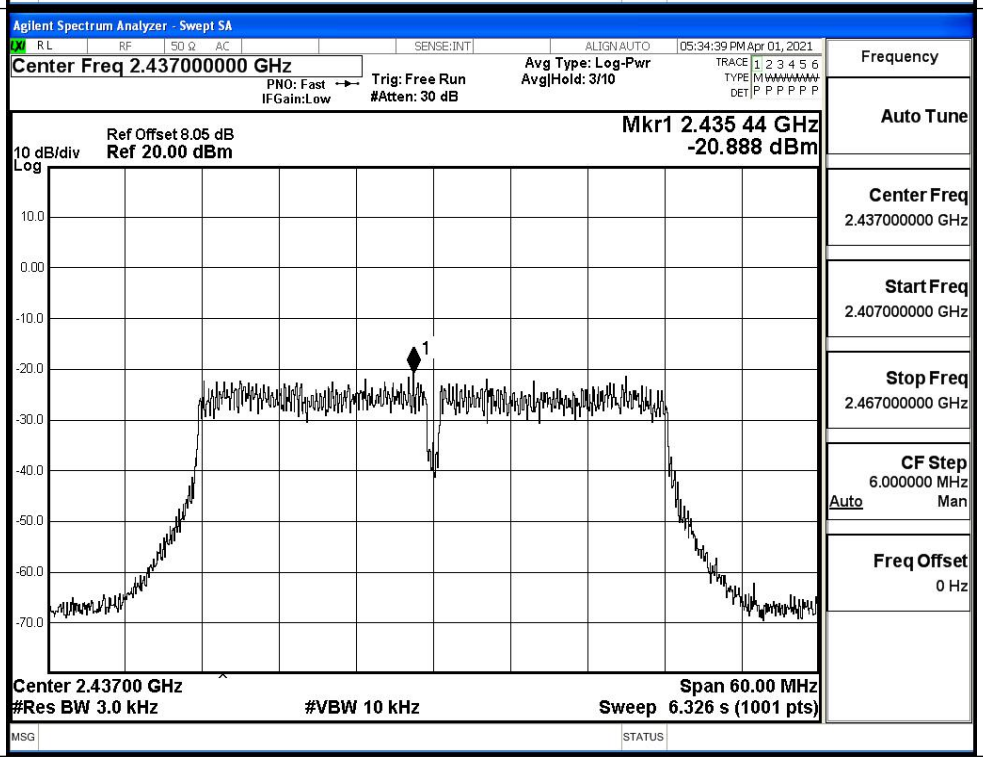
Test Graphs	
11B/LCH	

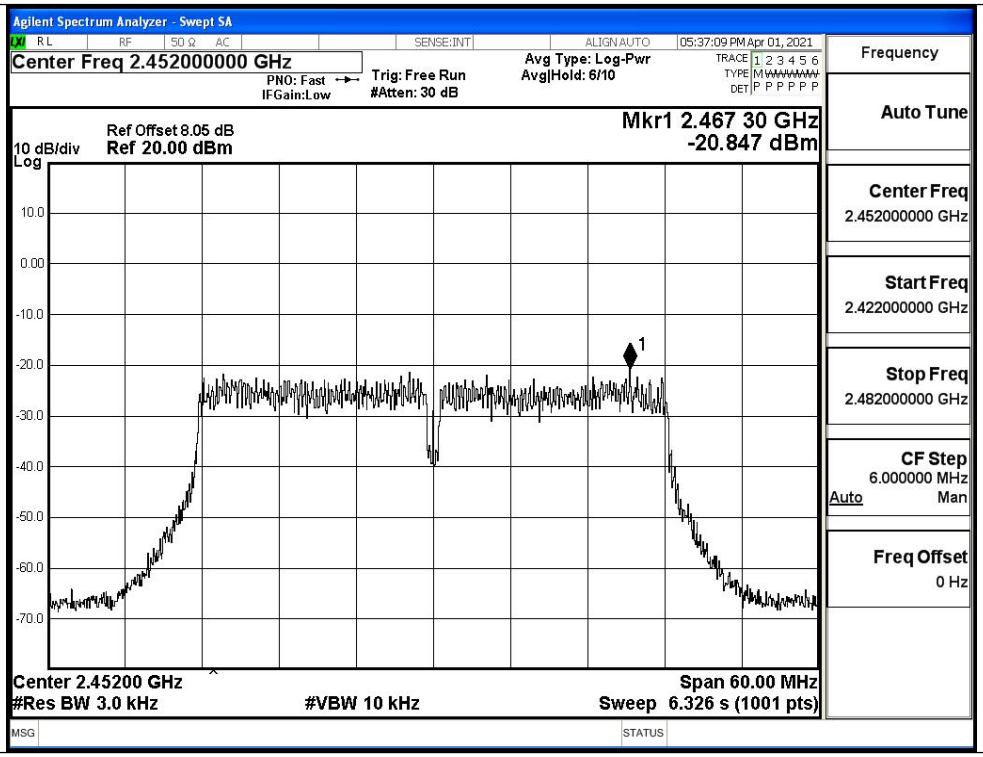
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

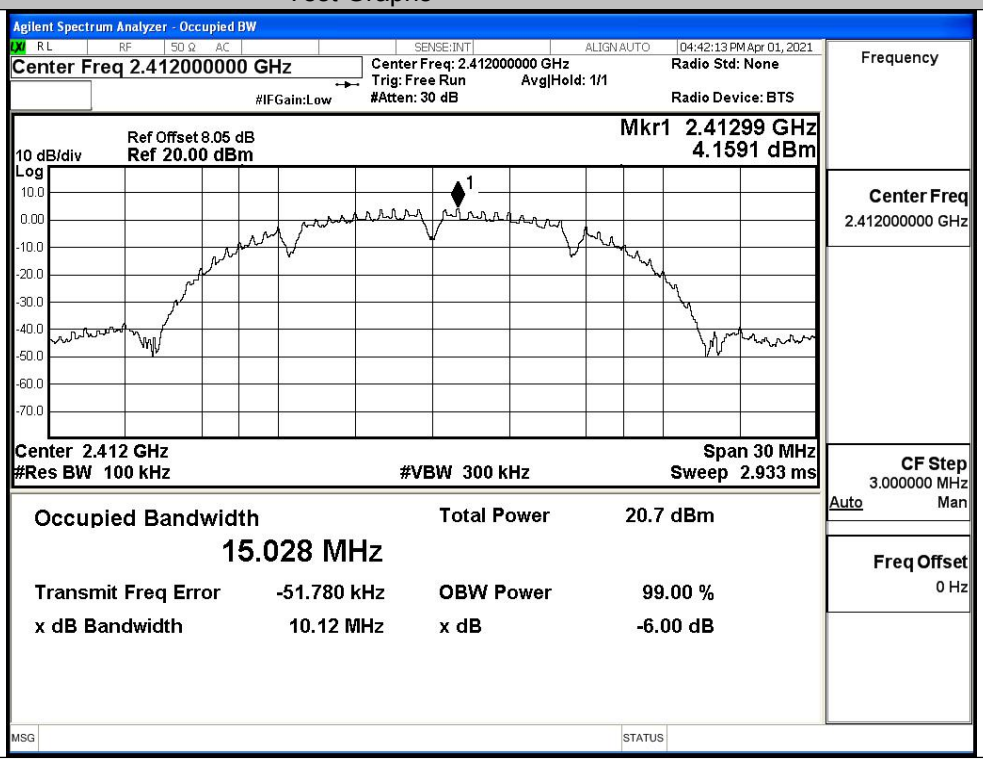
11N20SISO/MCH		
11N20SISO/HCH		

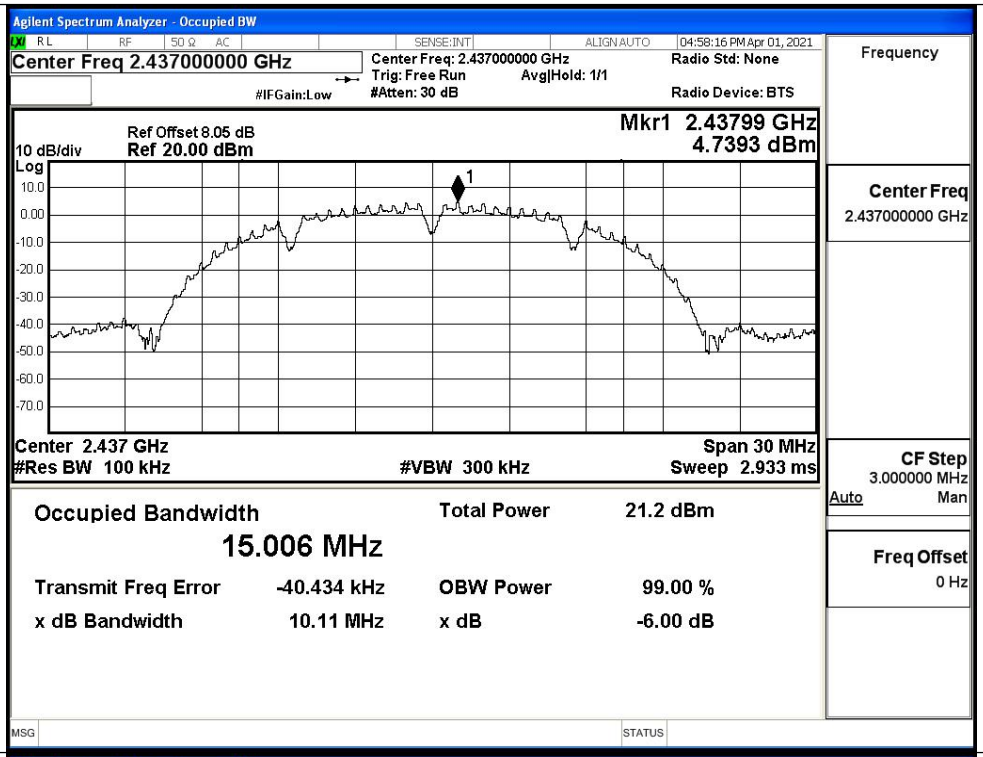
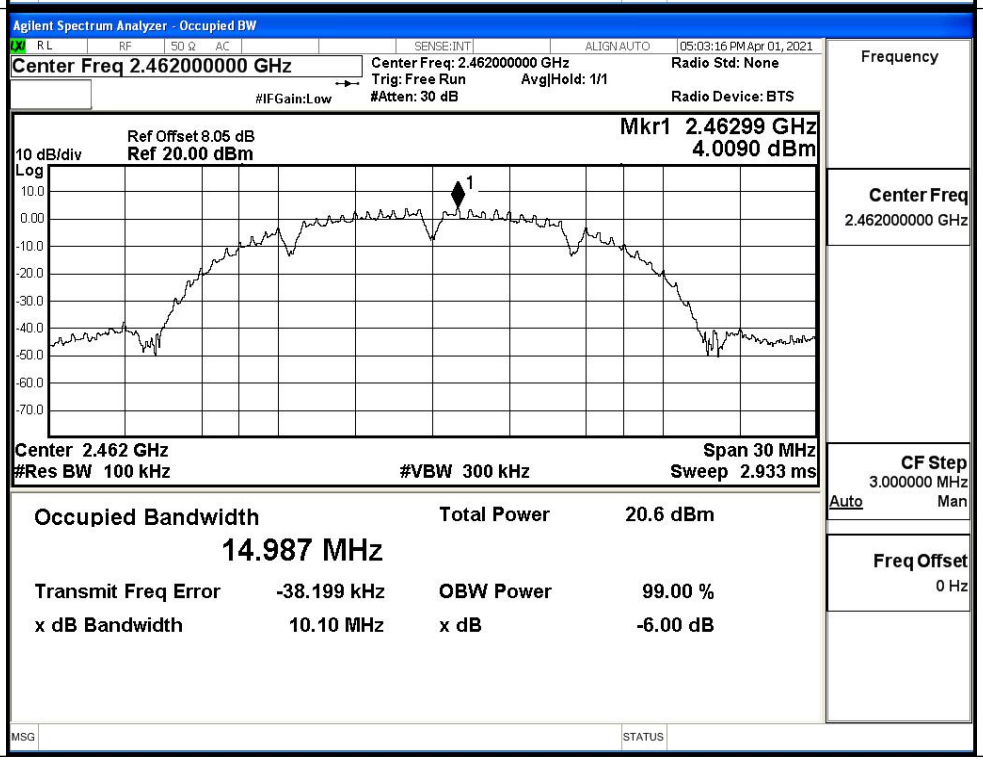
11N40SISO/LCH		
11N40SISO/MCH		

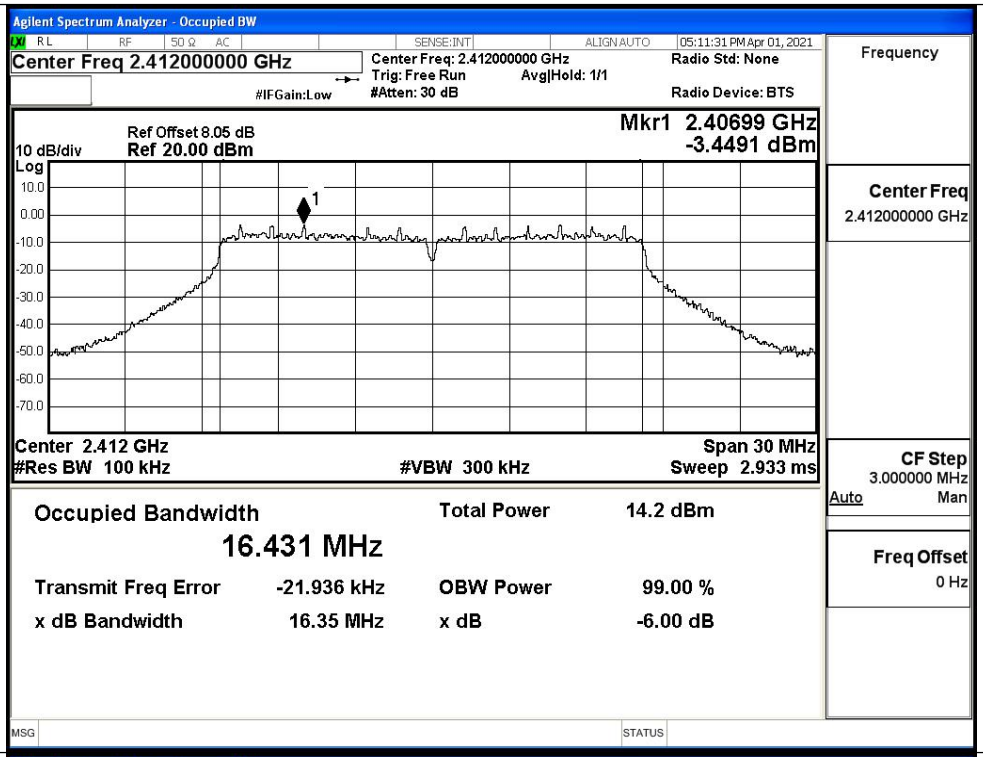
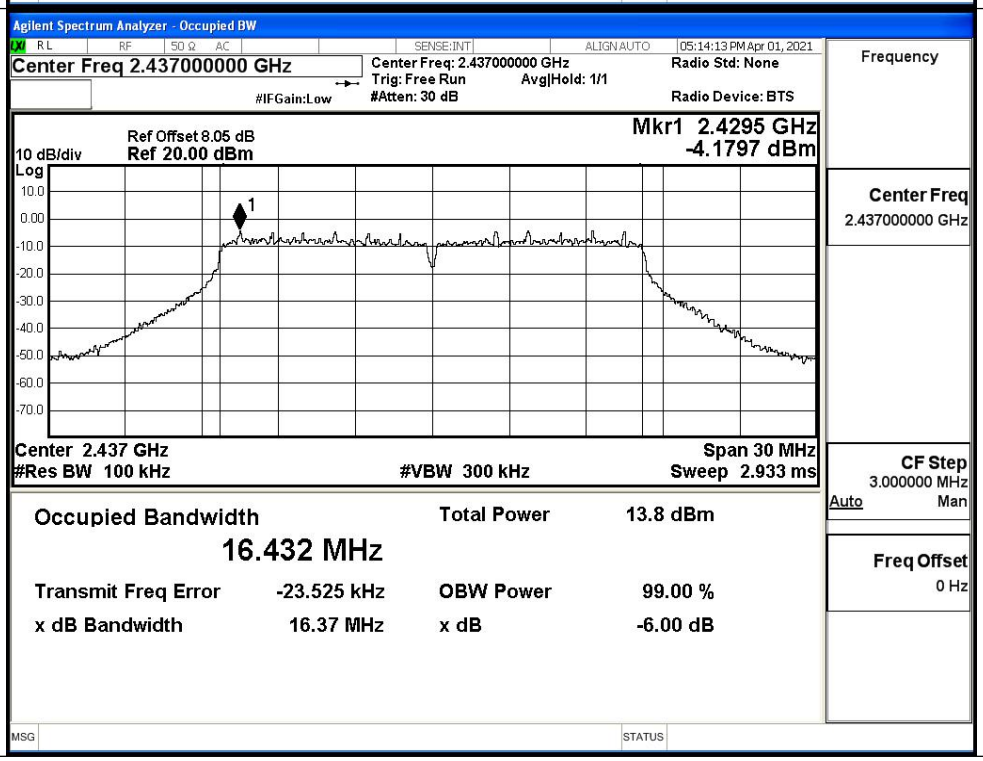
11N40SISO/HCH		

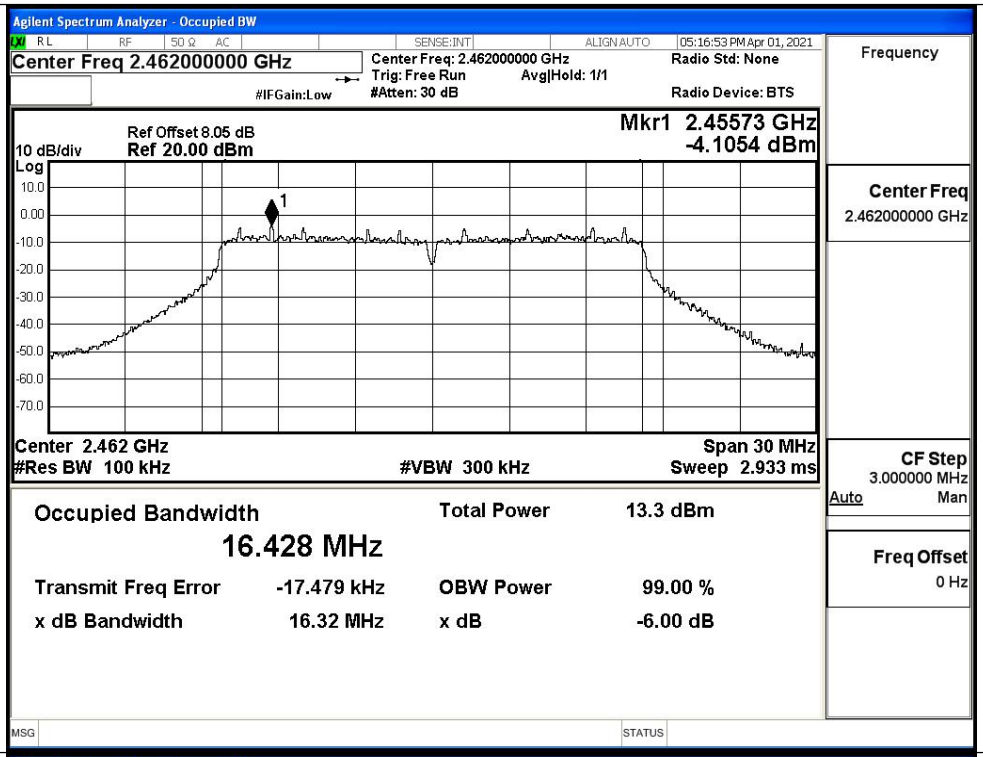
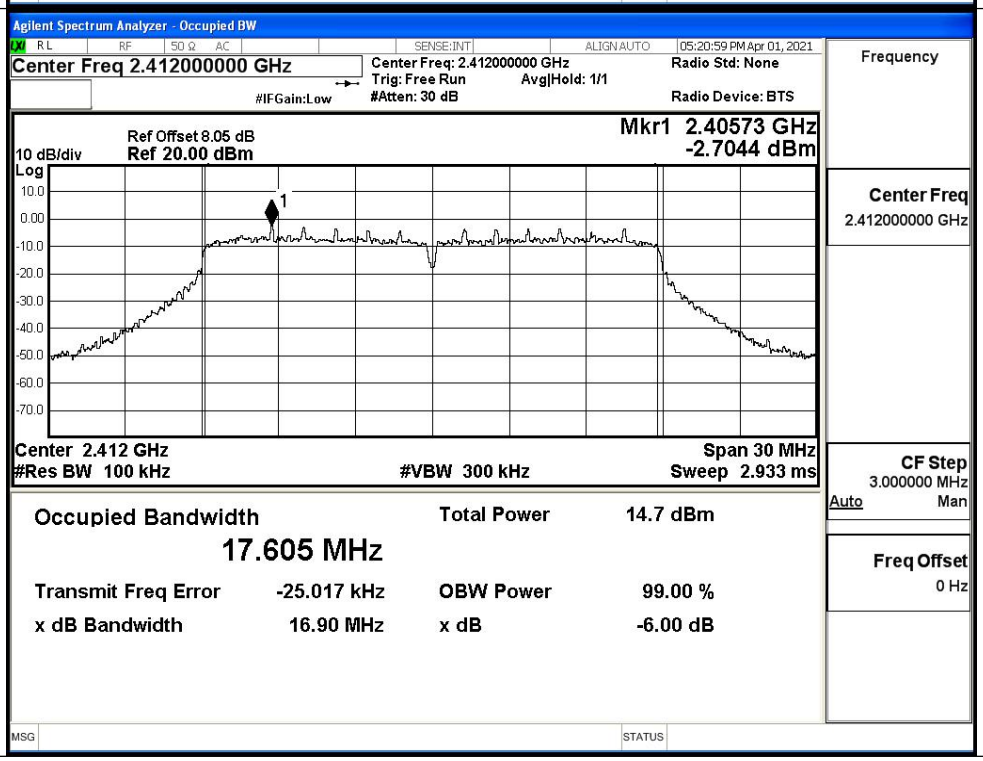
C.4 6dB Bandwidth

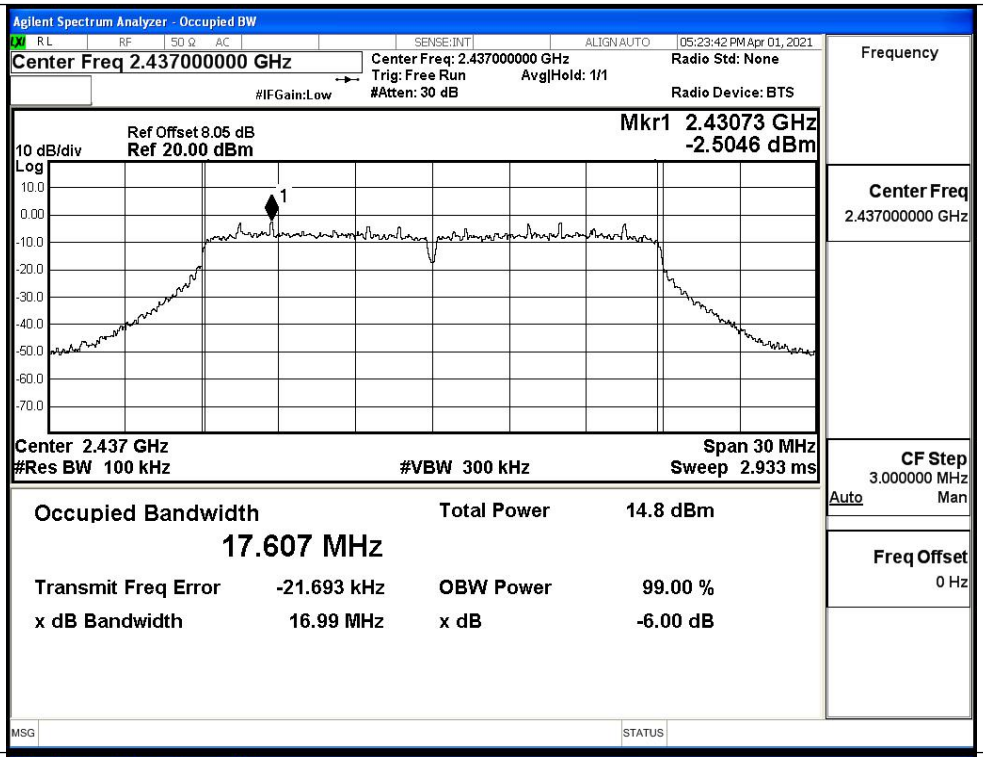
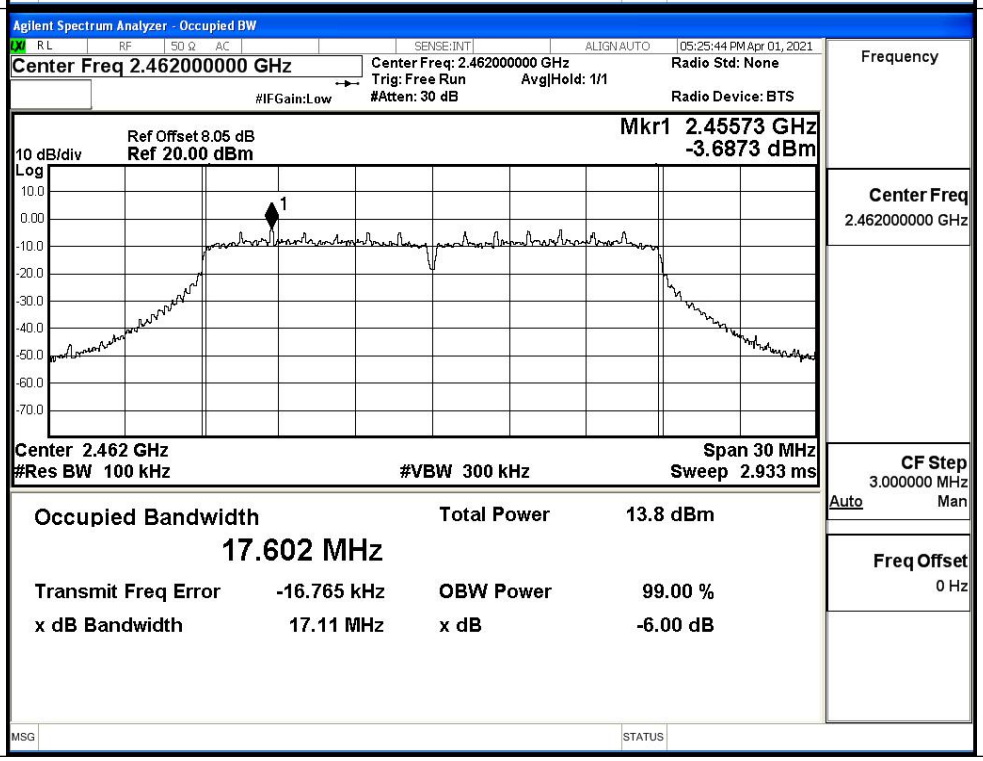
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.12	⩾0.5	PASS
	MCH	10.11	⩾0.5	PASS
	HCH	10.10	⩾0.5	PASS
11G	LCH	16.35	⩾0.5	PASS
	MCH	16.37	⩾0.5	PASS
	HCH	16.32	⩾0.5	PASS
11N20SISO	LCH	16.90	⩾0.5	PASS
	MCH	16.99	⩾0.5	PASS
	HCH	17.11	⩾0.5	PASS
11N40SISO	LCH	35.72	⩾0.5	PASS
	MCH	35.68	⩾0.5	PASS
	HCH	35.75	⩾0.5	PASS

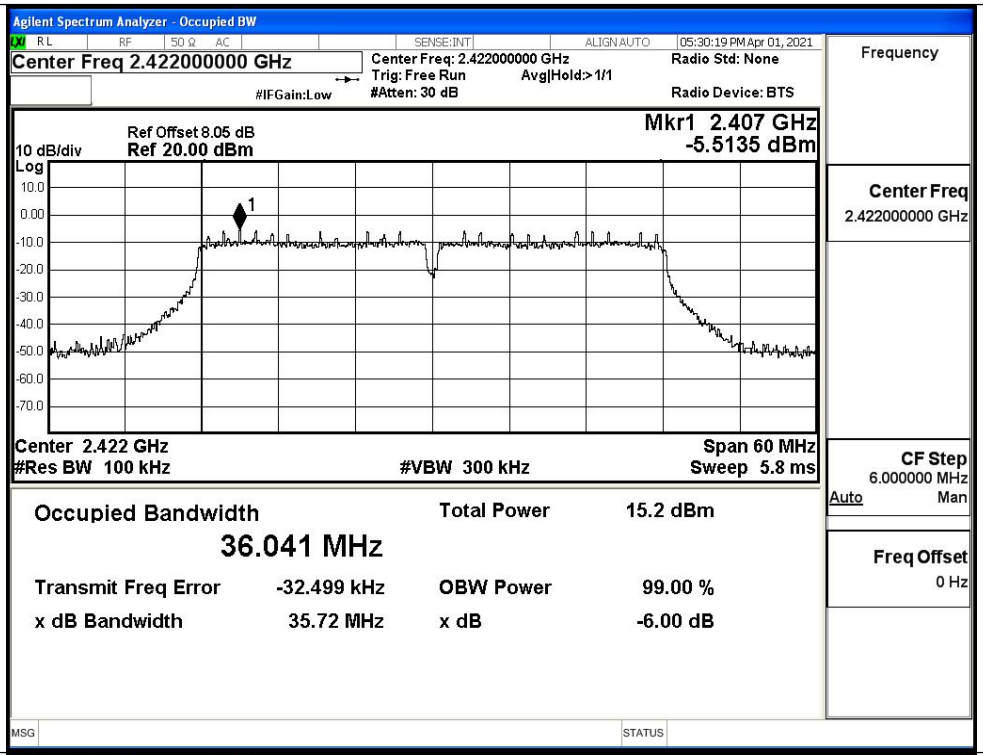
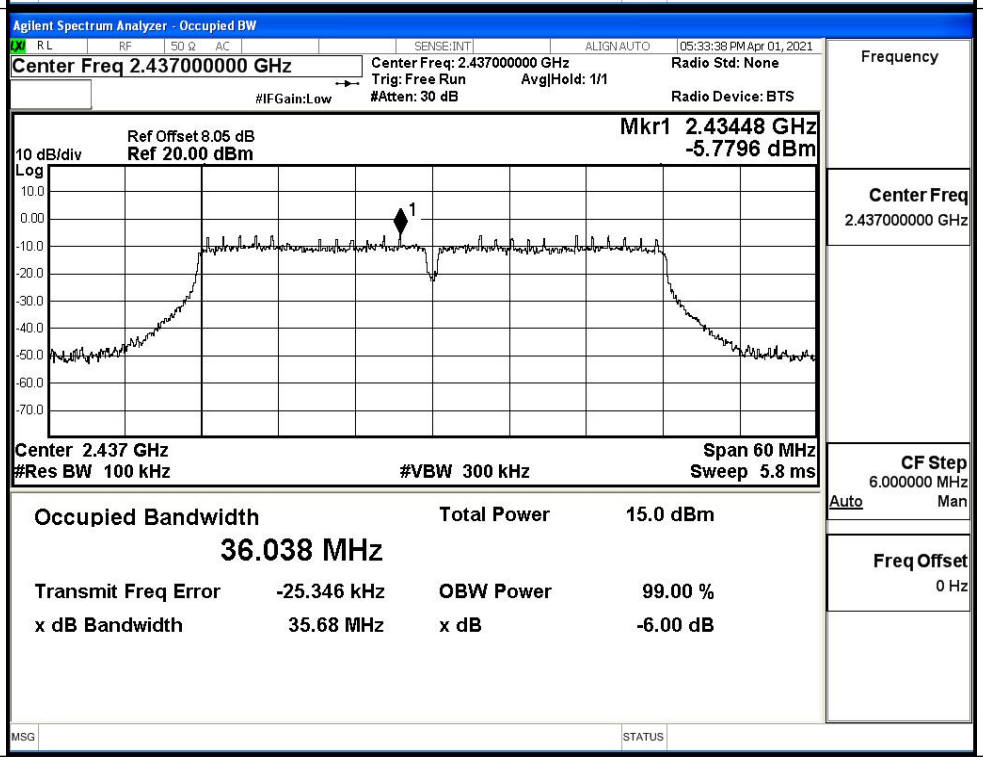
Test Graphs	
11B/LCH	

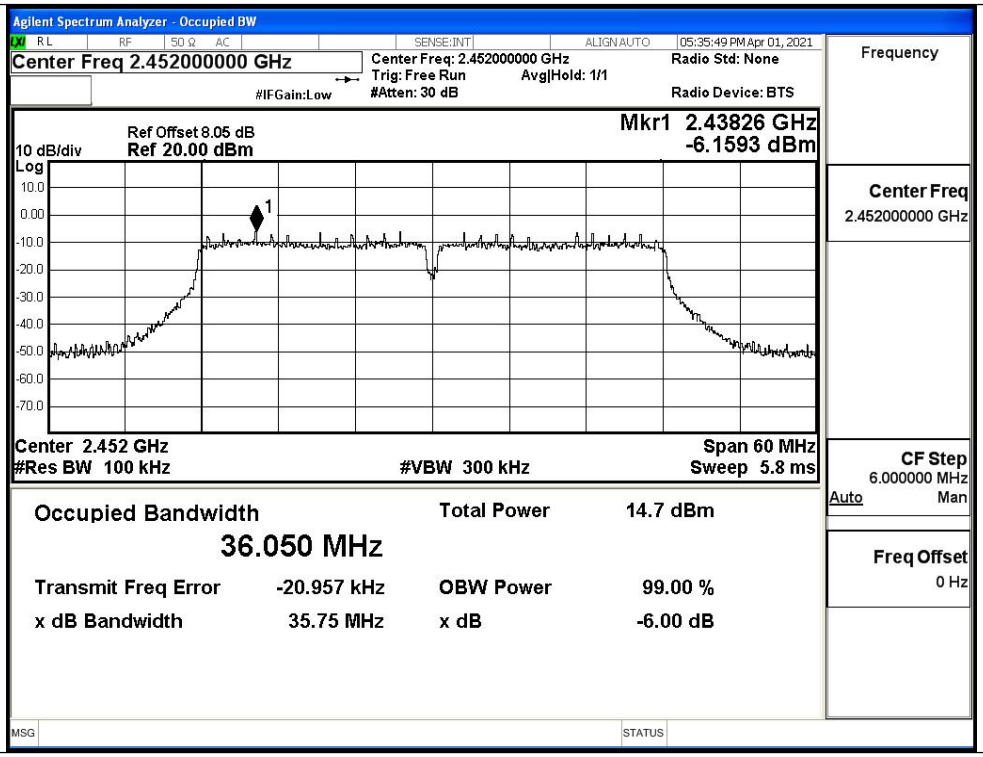
11B/MCH		
11B/HCH		

11G/LCH	
11G/MCH	

11G/HCH		
11N20SISO/LCH		

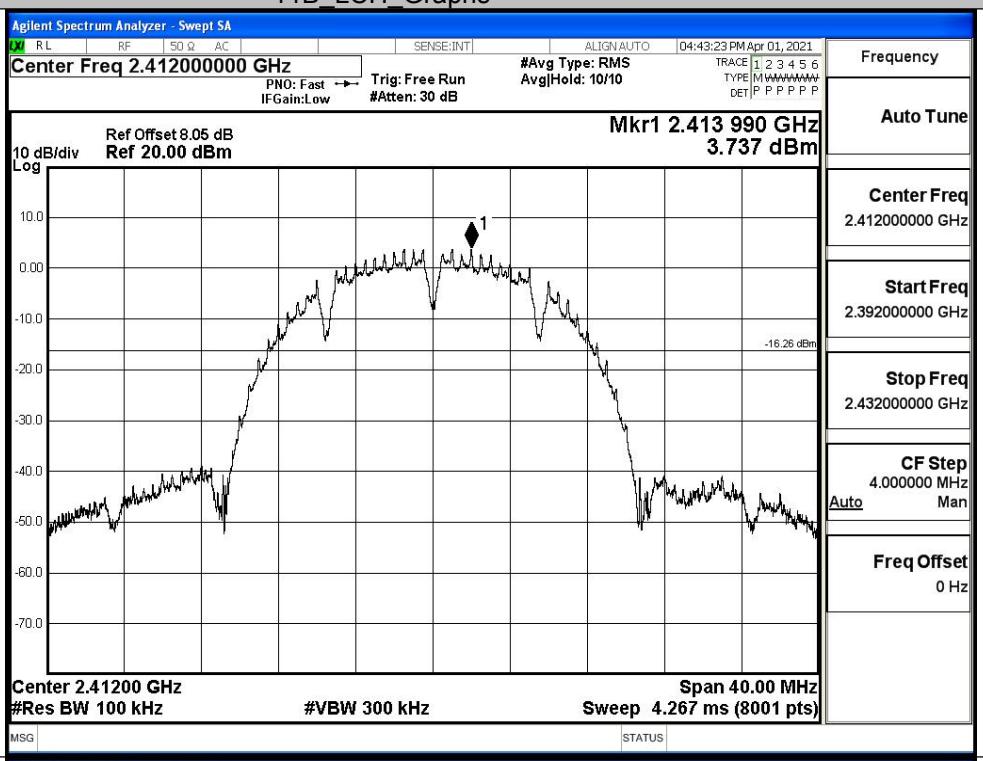
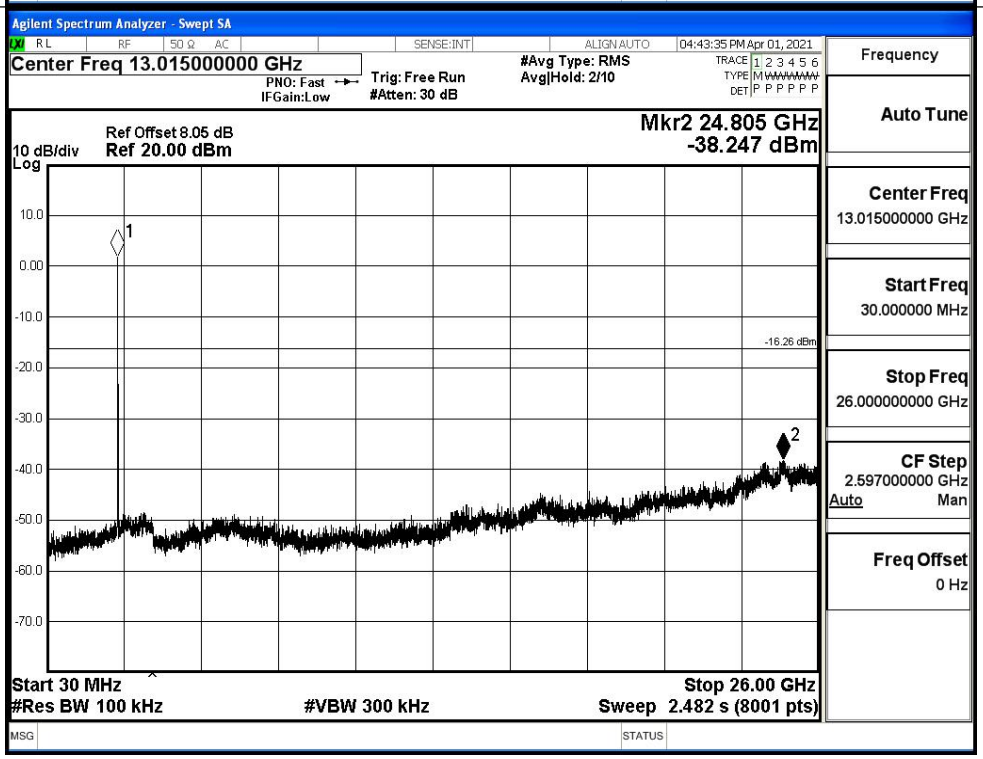
11N20SISO/MCH		
11N20SISO/HCH		

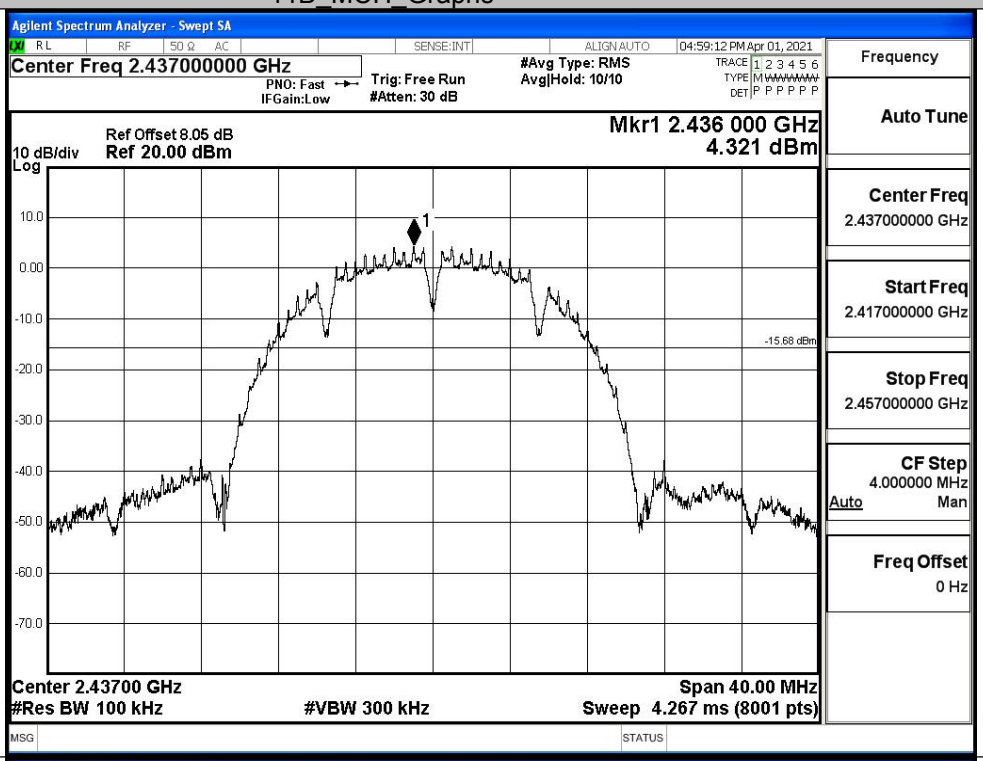
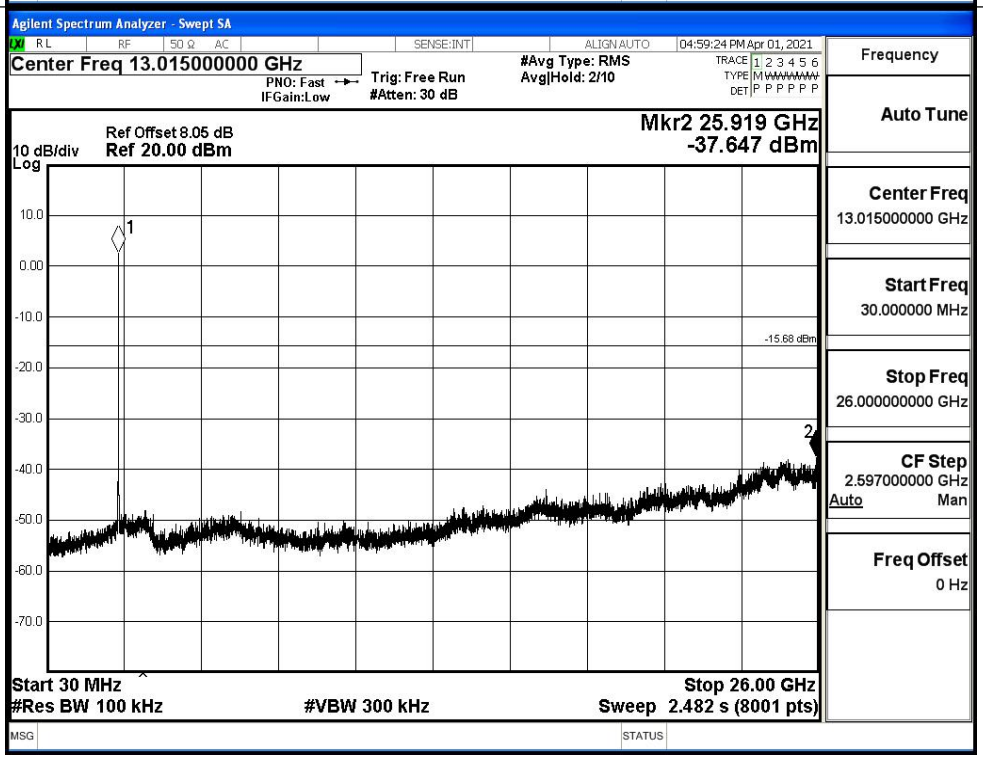
11N40SISO/LCH		
11N40SISO/MCH		

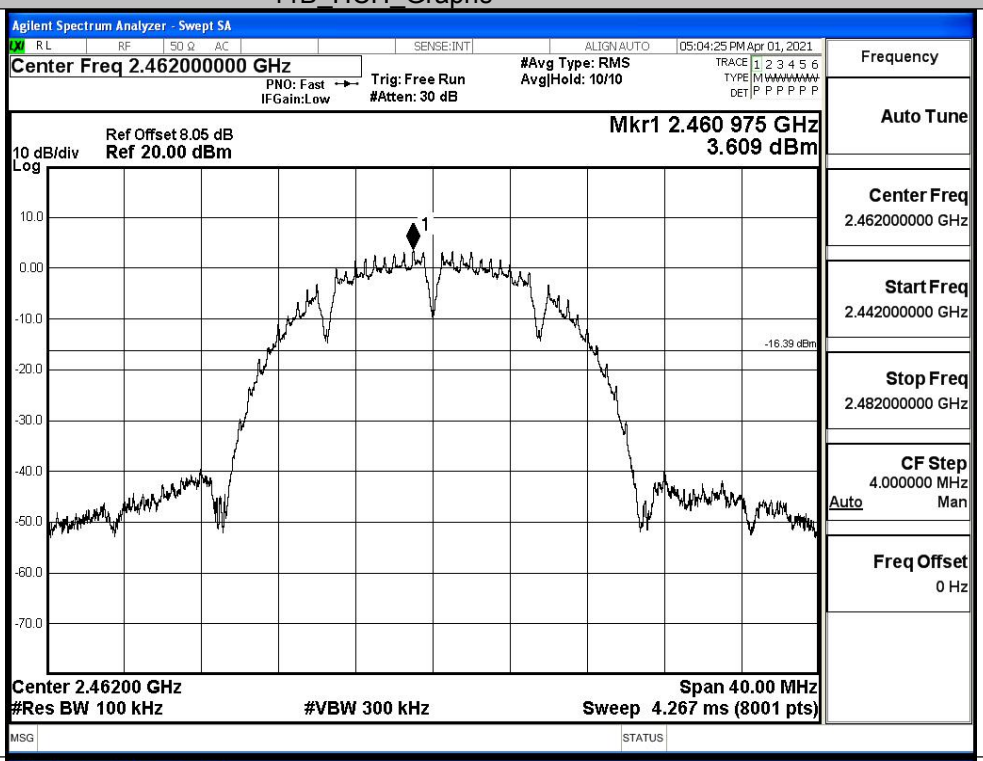
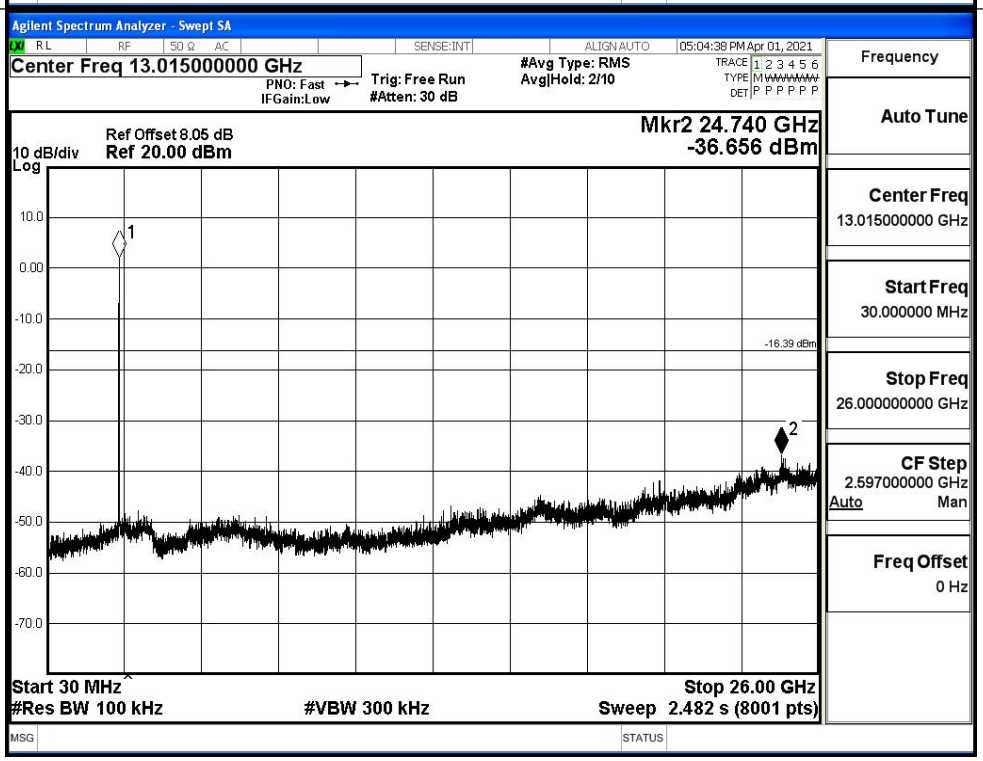
11N40SISO/HCH		

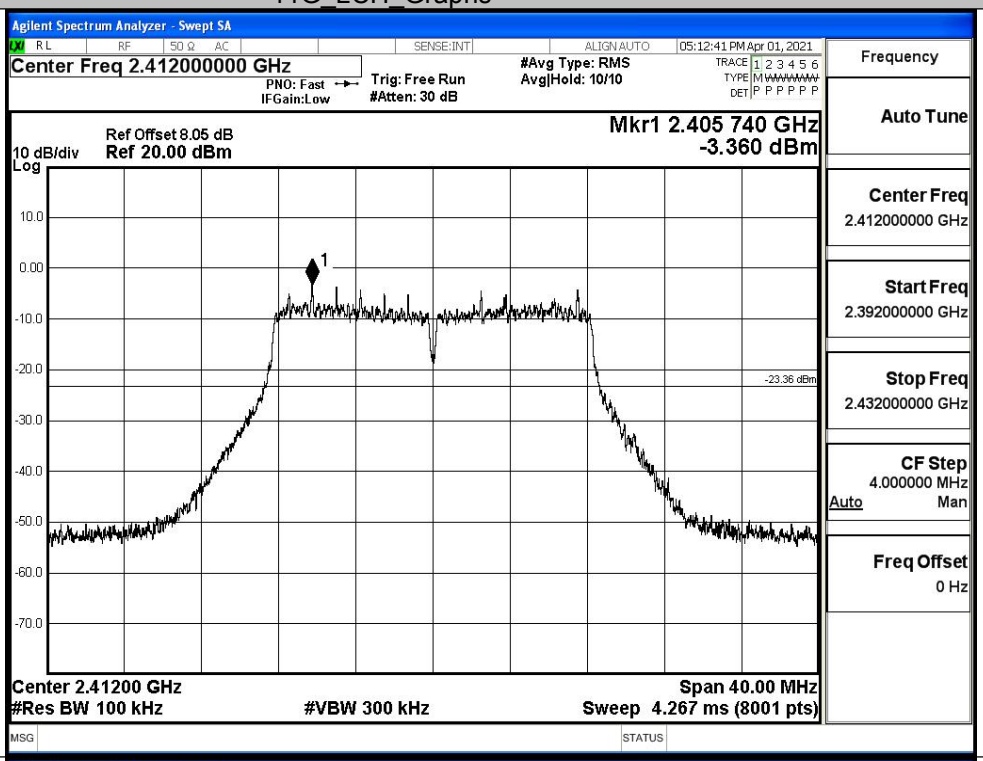
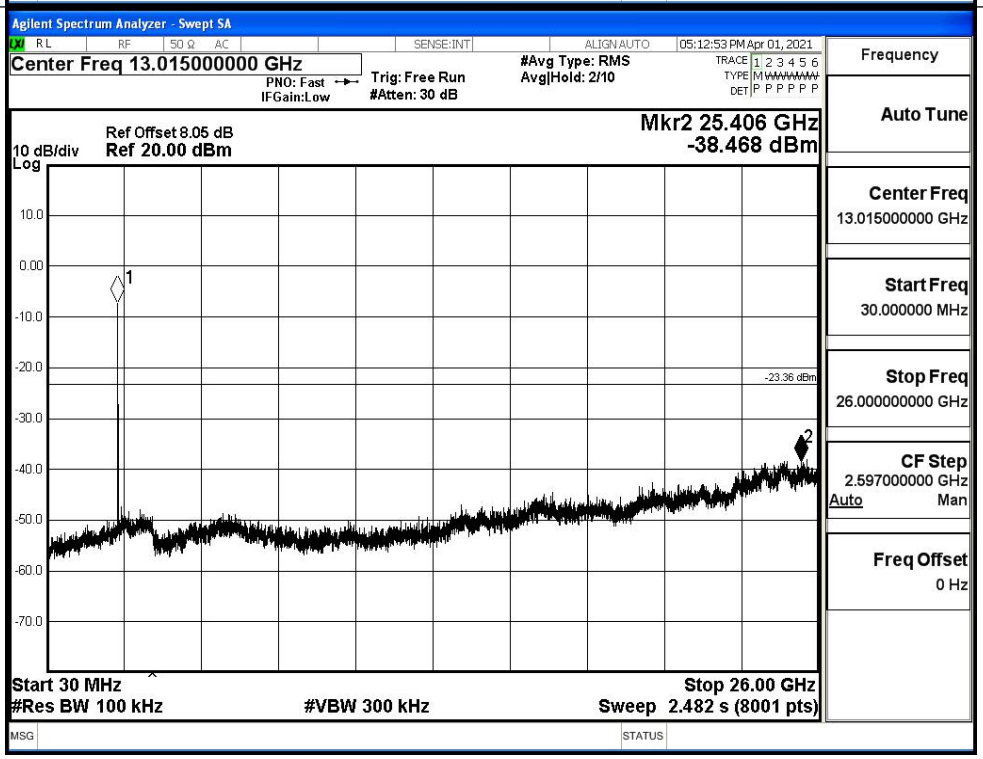
C.5 RF Conducted Spurious Emissions

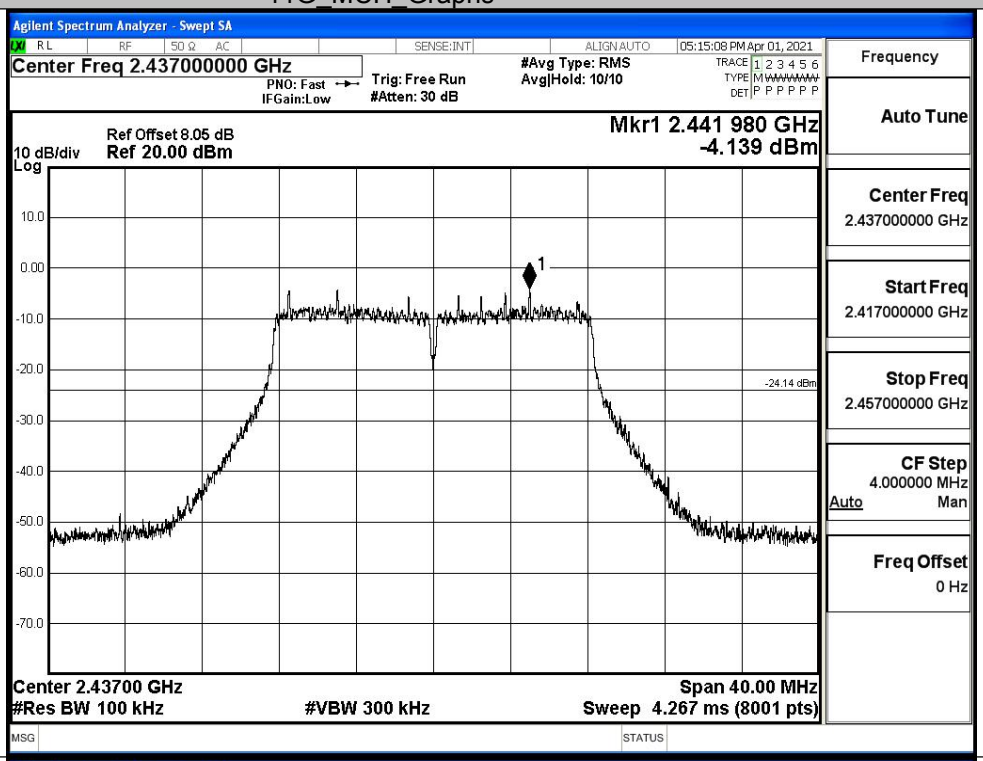
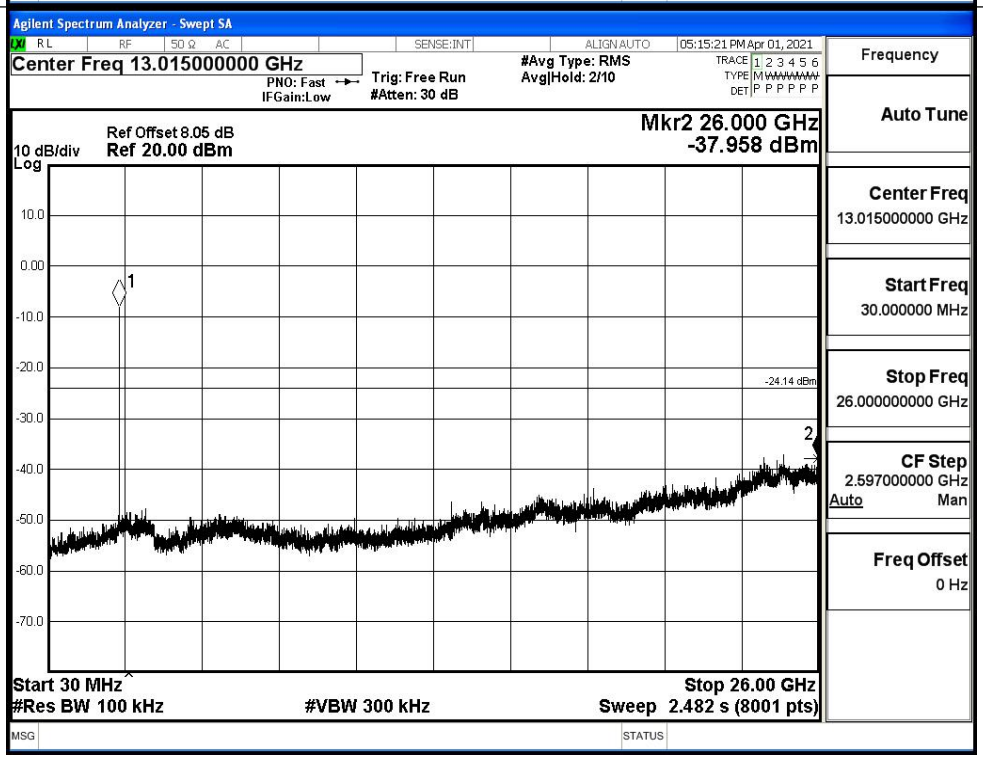
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.737	-38.247	-16.263	PASS
	MCH	4.321	-37.647	-15.679	PASS
	HCH	3.609	-36.656	-16.391	PASS
11G	LCH	-3.36	-38.468	-23.360	PASS
	MCH	-4.139	-37.958	-24.139	PASS
	HCH	-4.578	-36.988	-24.578	PASS
11N20 SISO	LCH	-3.127	-37.736	-23.127	PASS
	MCH	-2.812	-37.359	-22.812	PASS
	HCH	-4.435	-37.213	-24.435	PASS
11N40 SISO	LCH	-6.577	-37.928	-26.577	PASS
	MCH	-5.735	-37.706	-25.735	PASS
	HCH	-5.964	-38.351	-25.964	PASS

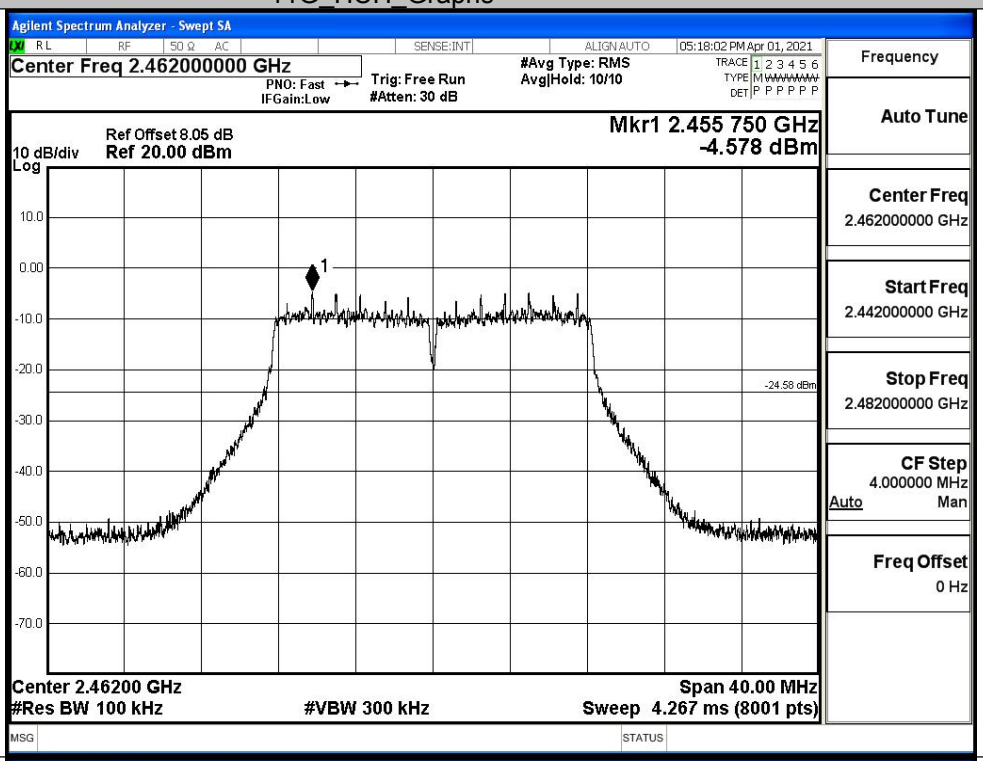
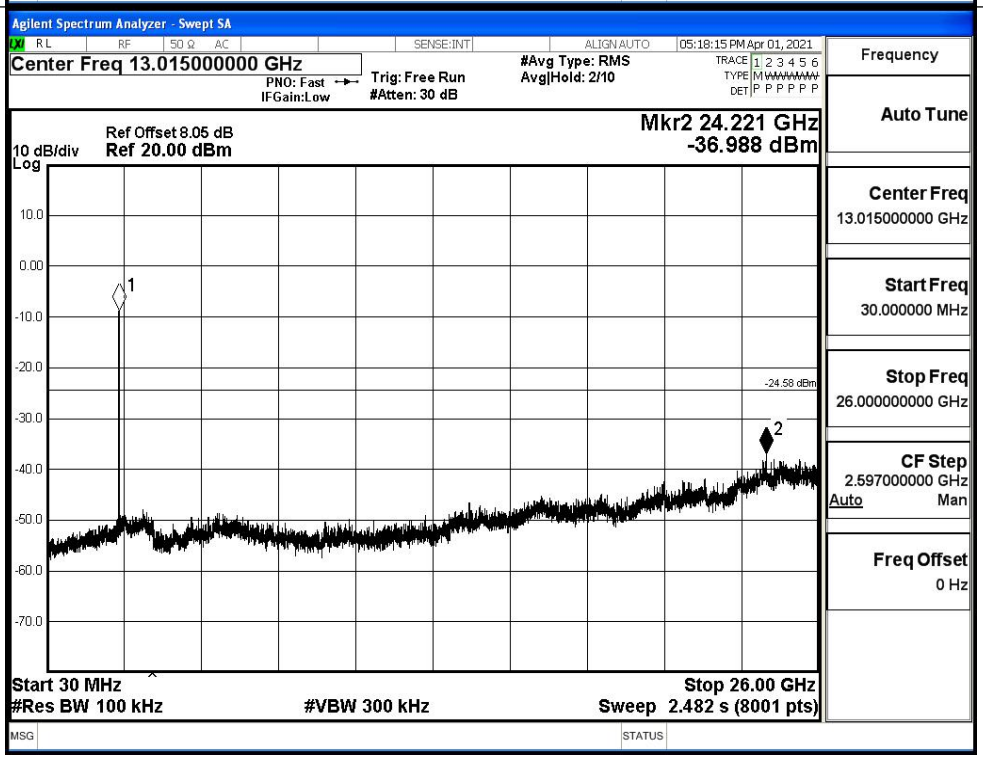
11B_LCH_Graphs		
Pref/11B/LCH		
Puw/11B/LCH		

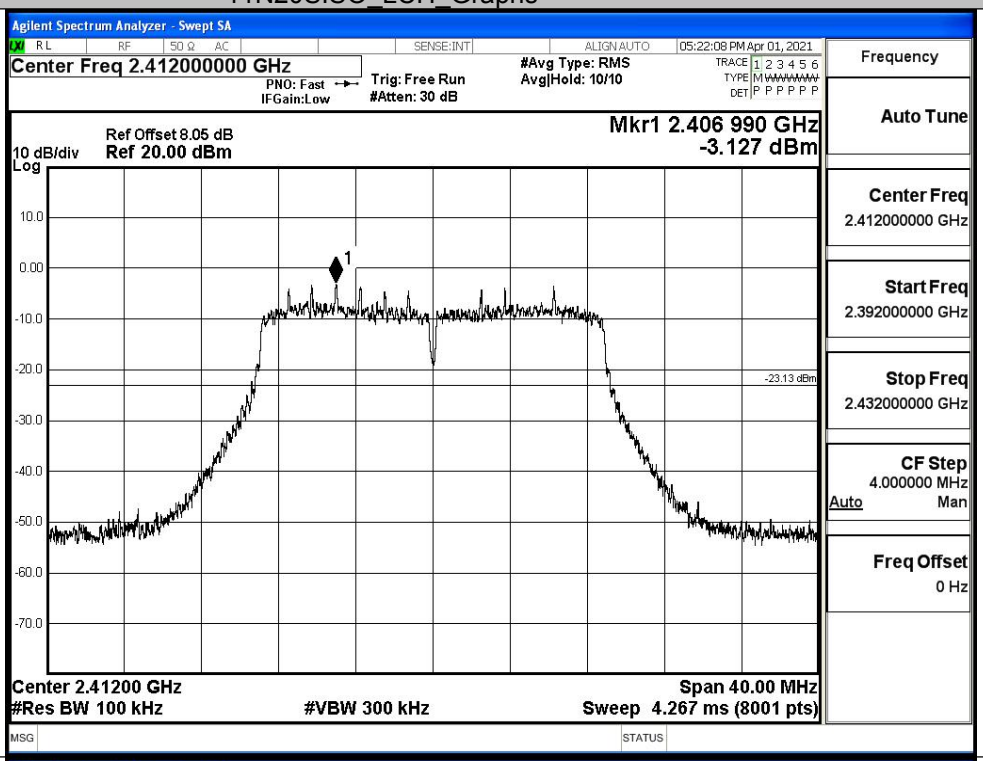
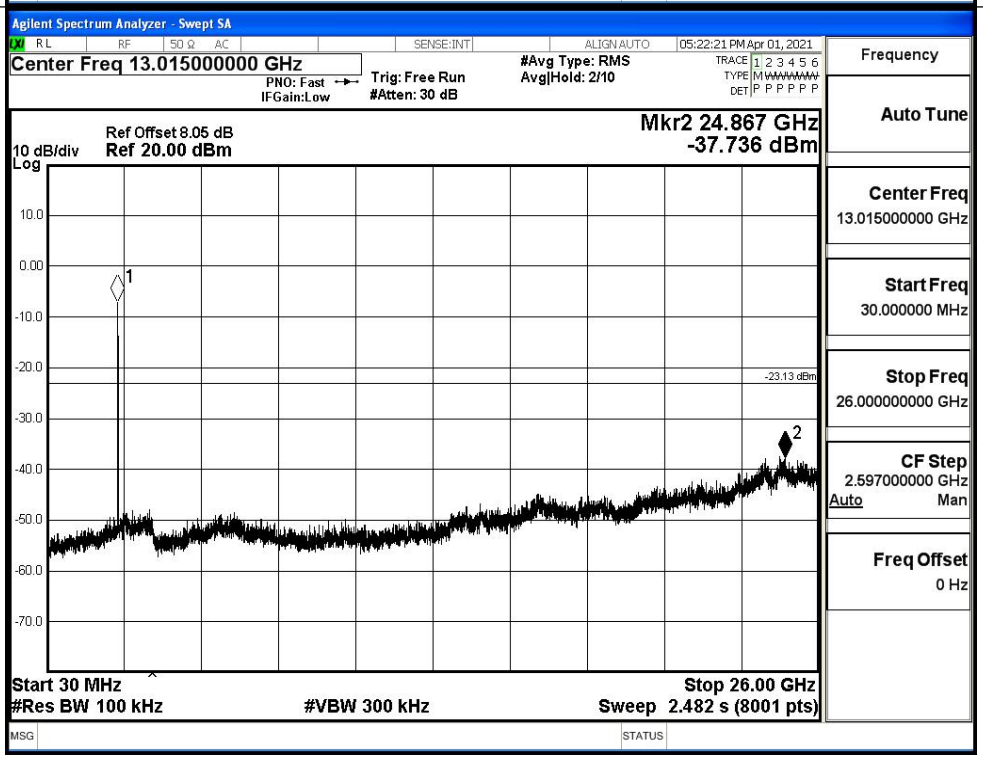
11B_MCH_Graphs		
Pref/11B/MCH		
Puw/11B/MCH		

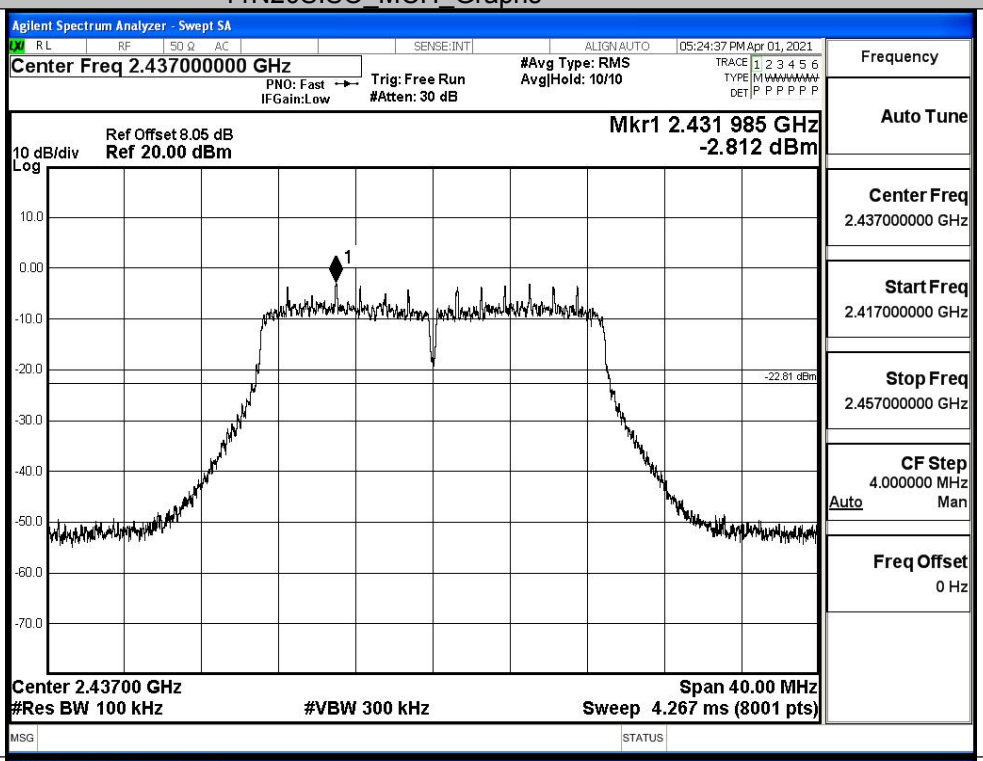
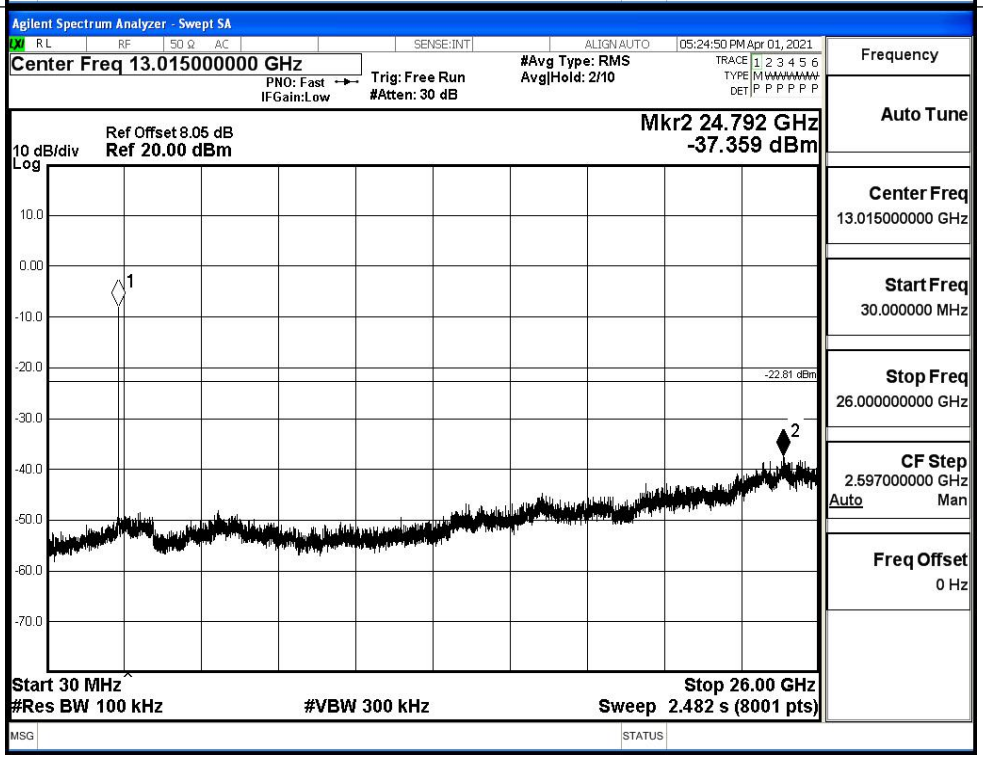
11B_HCH_Graphs		
Pref/11B/HCH		
Puw/11B/HCH		

11G_LCH_Graphs		
Pref/11G/LCH		
Puw/11G/LCH		

11G_MCH_Graphs		
Pref/11G/MCH		
Puw/11G/MCH		

11G_HCH_Graphs		
Pref/11G/HCH		
Puw/11G/HCH		

11N20SISO_LCH_Graphs		
Pref/11N20SISO/LCH		
Puw/11N20SISO/LCH		

11N20SISO_MCH_Graphs		
Pref/11N20 SISO/MCH		
Puw/11N20 SISO/MCH