Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Drive

Trade Mark: Opus IVS

Test Model: TAB-F1063-2

Environmental Conditions

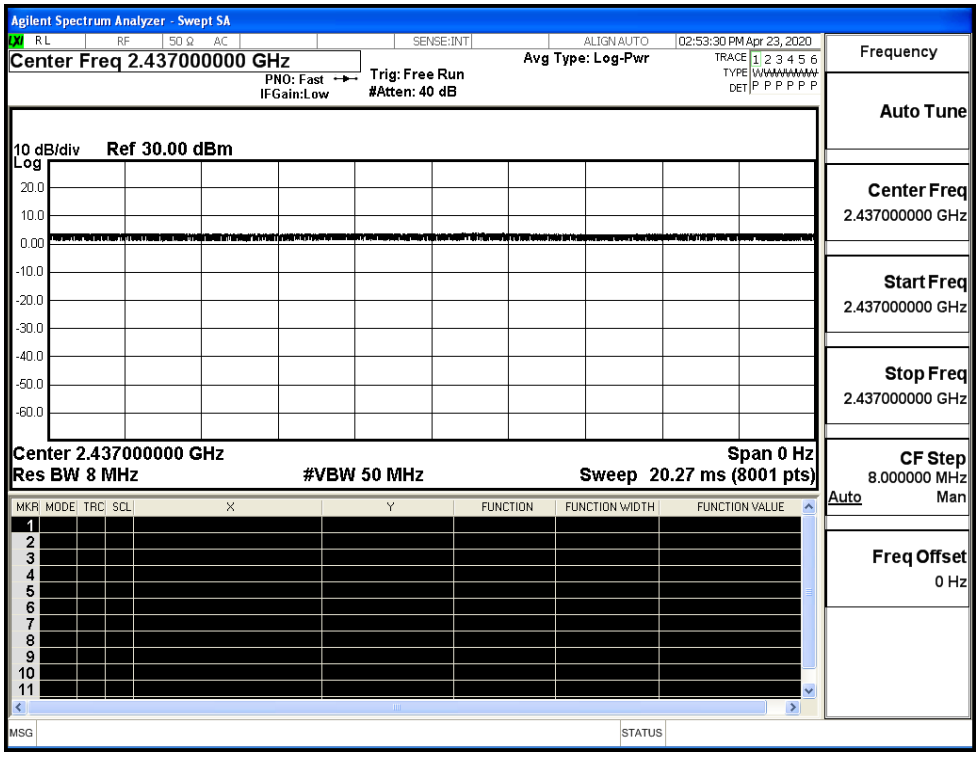
Temperature:	24.3 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Tom Liu

C.1 Duty Cycle

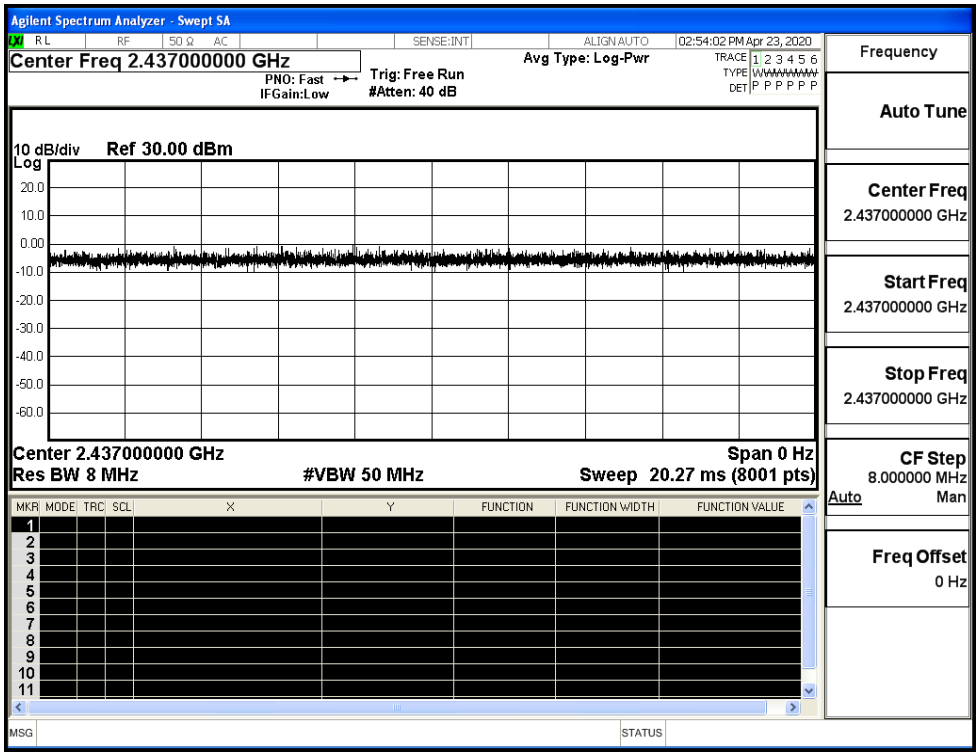
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant0	100	PASS
11G	2437	Ant0	100	PASS
11N20SISO	2437	Ant0	100	PASS
11N40SISO	2437	Ant0	100	PASS

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

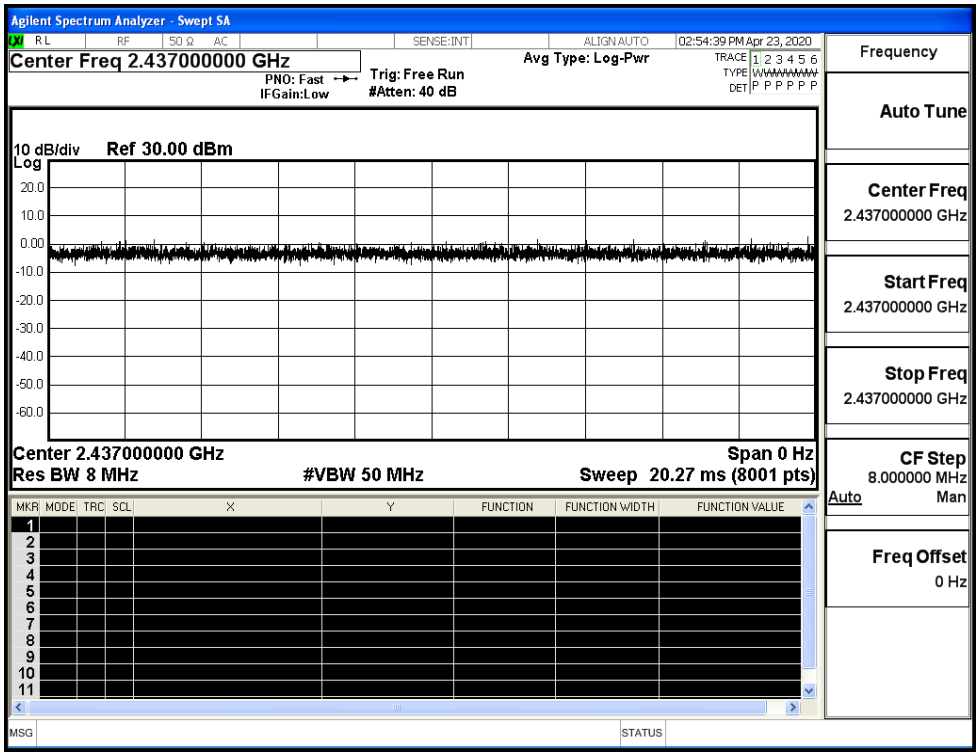
Duty Cycle_11B_2437_Ant0



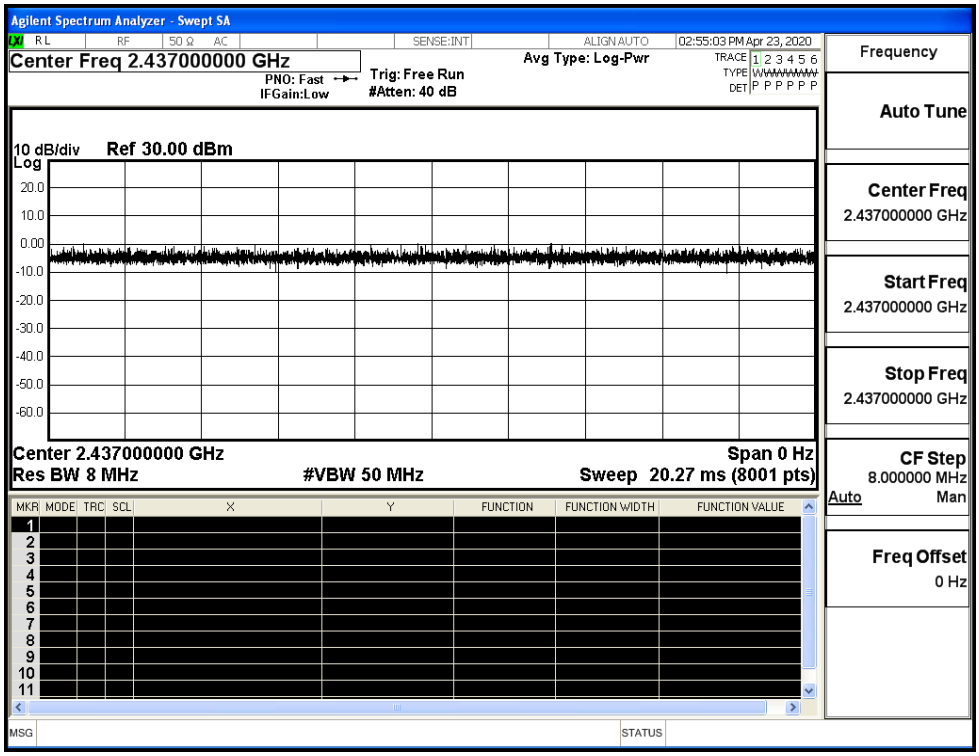
Duty Cycle_11G_2437_Ant0



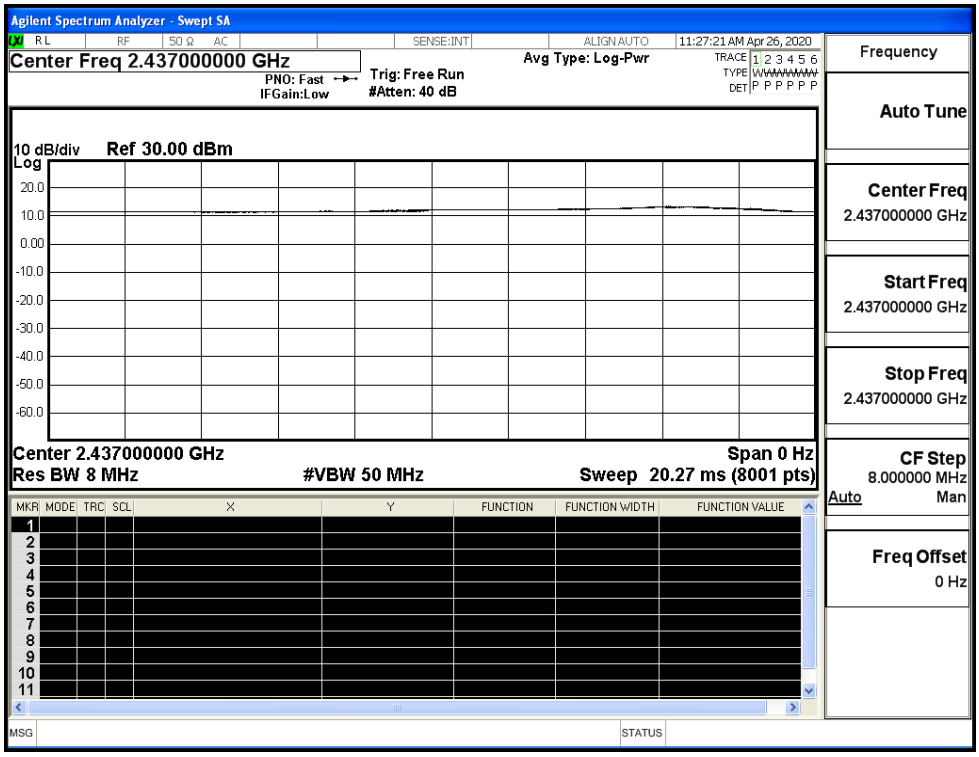
Duty Cycle_11N20SISO_2437_Ant0



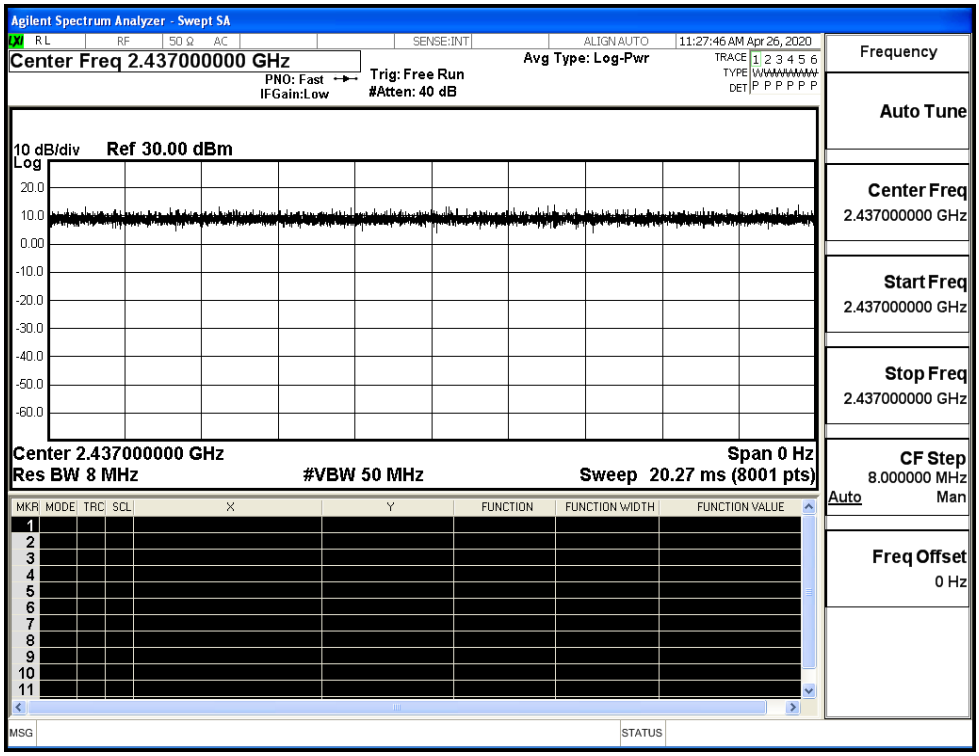
Duty Cycle_11N40SISO_2437_Ant0



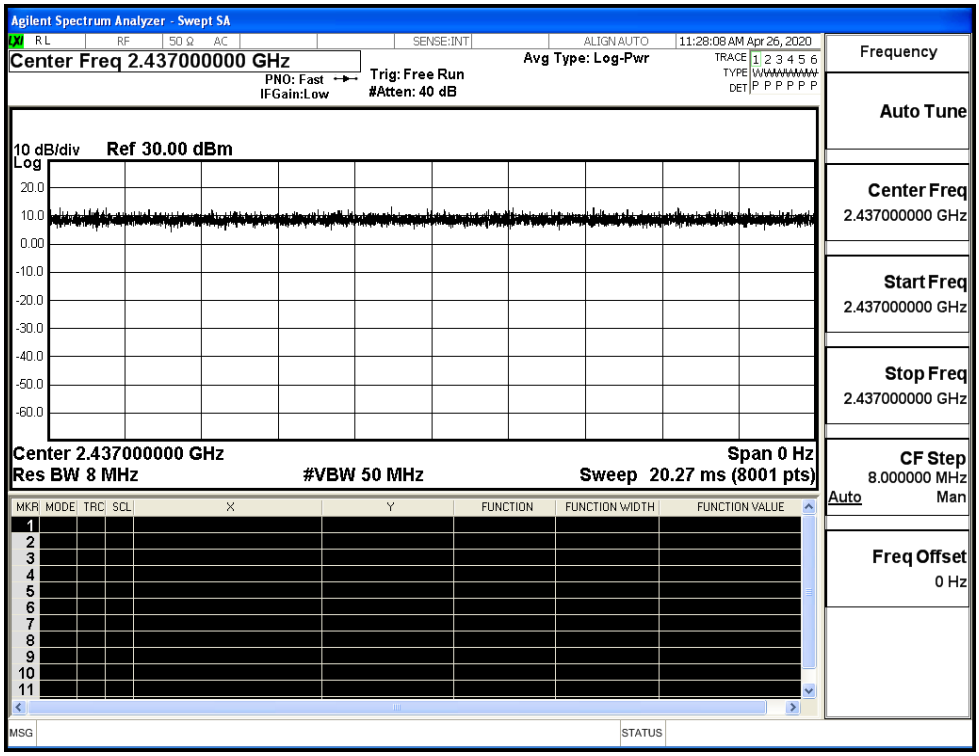
Duty Cycle_11B_2437_Ant1



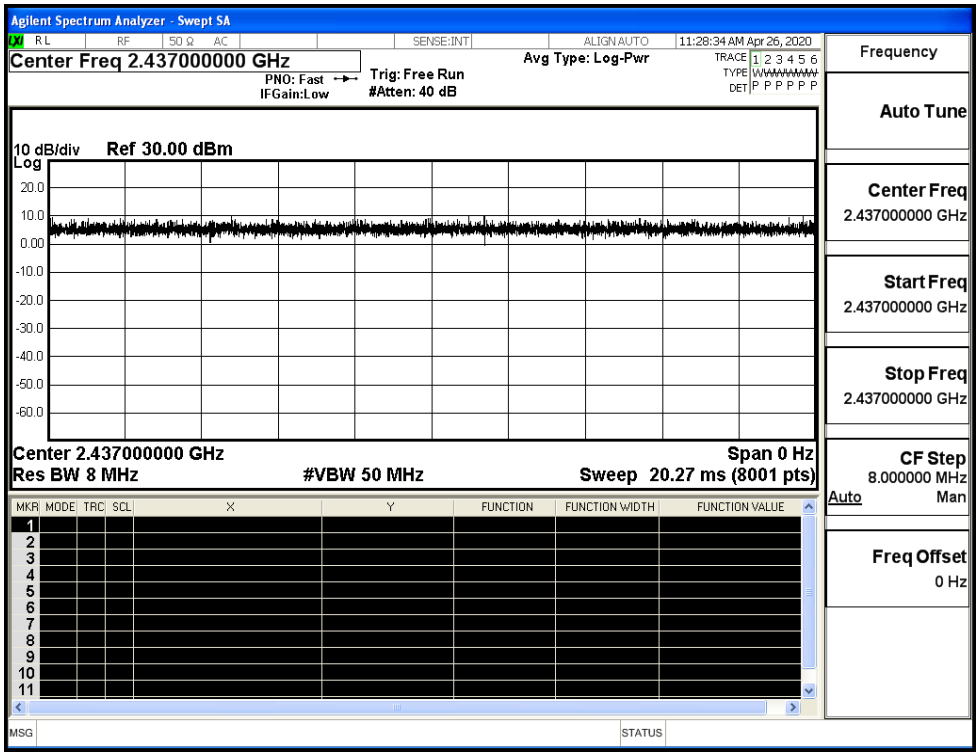
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



C.2 Maximum Conducted Output Power

ANT0

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.80	30	PASS
	MCH	7.83	30	PASS
	HCH	7.65	30	PASS
11G	LCH	8.42	30	PASS
	MCH	7.97	30	PASS
	HCH	8.07	30	PASS
11N20SISO	LCH	6.22	30	PASS
	MCH	6.64	30	PASS
	HCH	6.50	30	PASS
11N40SISO	LCH	6.23	30	PASS
	MCH	6.17	30	PASS
	HCH	6.43	30	PASS

ANT1

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	7.01	30	PASS
	MCH	7.26	30	PASS
	HCH	8.54	30	PASS
11G	LCH	7.35	30	PASS
	MCH	8.14	30	PASS
	HCH	7.39	30	PASS
11N20SISO	LCH	6.17	30	PASS
	MCH	6.28	30	PASS
	HCH	6.36	30	PASS
11N40SISO	LCH	6.49	30	PASS
	MCH	6.31	30	PASS
	HCH	6.41	30	PASS

ANT0+ANT1

Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		ANT0	ANT1	ANT0+ANT1		
11N20SISO	LCH	6.22	6.17	9.21	29.99	PASS
	MCH	6.64	6.28	9.47	29.99	PASS
	HCH	6.50	6.36	9.44	29.99	PASS
11N40SISO	LCH	6.23	6.49	9.37	29.99	PASS
	MCH	6.17	6.31	9.25	29.99	PASS
	HCH	6.43	6.41	9.43	29.99	PASS

C.3 Maximum Power Spectral Density

ANT0

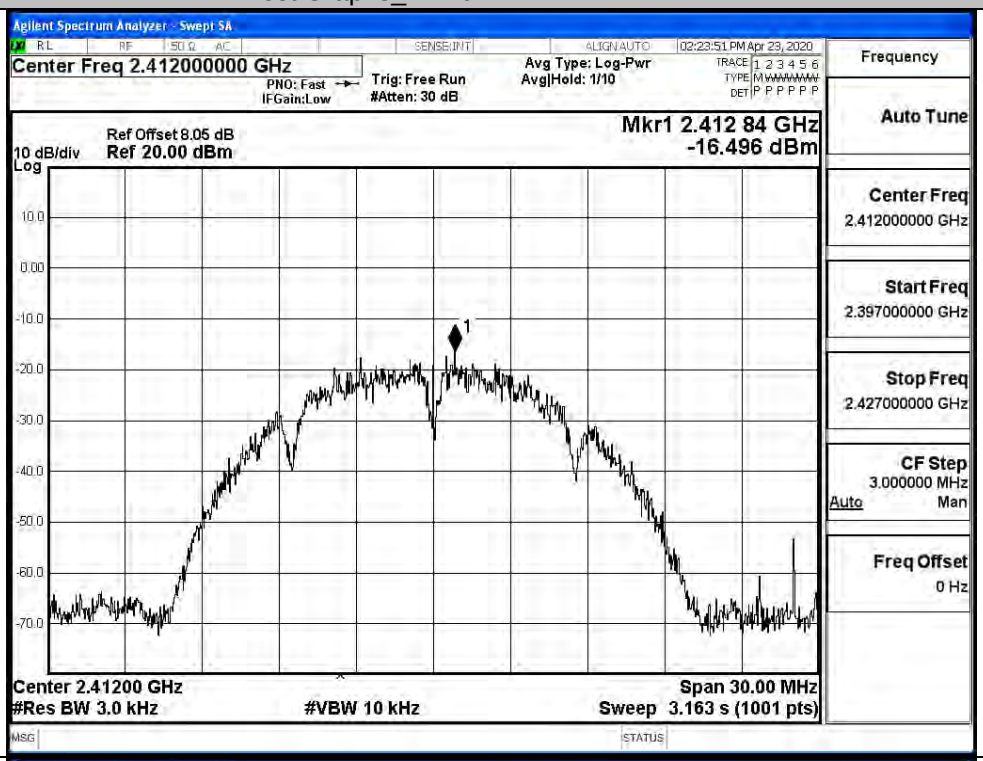
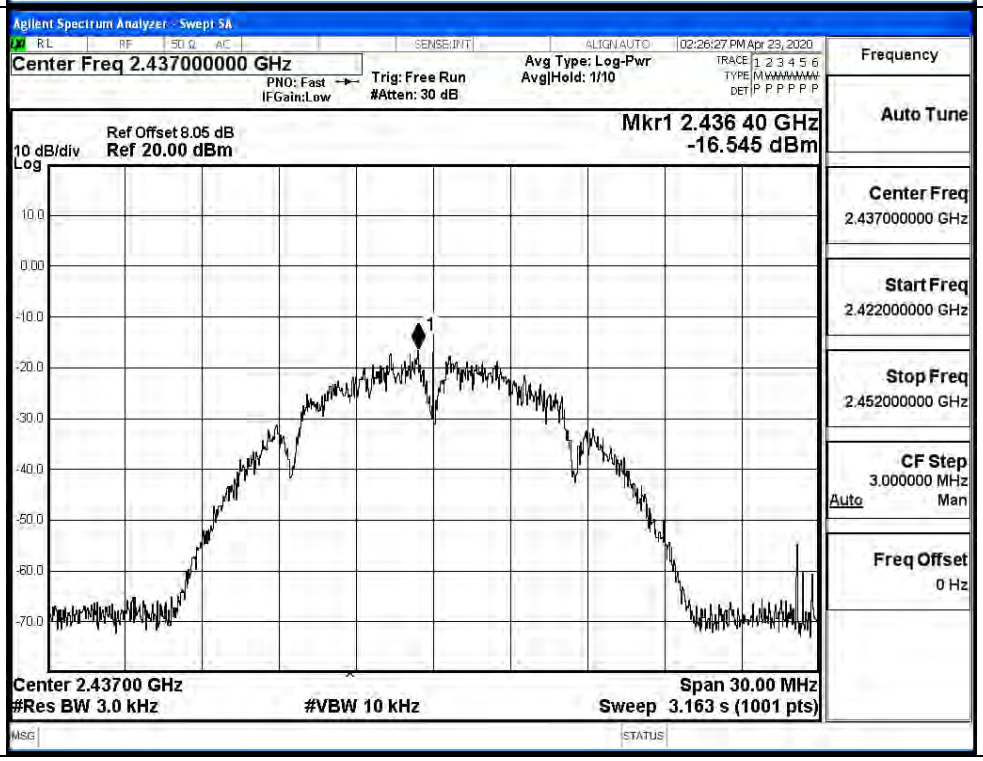
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-16.496	8	PASS
	MCH	-16.545	8	PASS
	HCH	-16.747	8	PASS
11G	LCH	-24.248	8	PASS
	MCH	-16.444	8	PASS
	HCH	-24.969	8	PASS
11N20SISO	LCH	-24.224	8	PASS
	MCH	-16.490	8	PASS
	HCH	-24.315	8	PASS
11N40SISO	LCH	-19.800	8	PASS
	MCH	-16.300	8	PASS
	HCH	-20.368	8	PASS

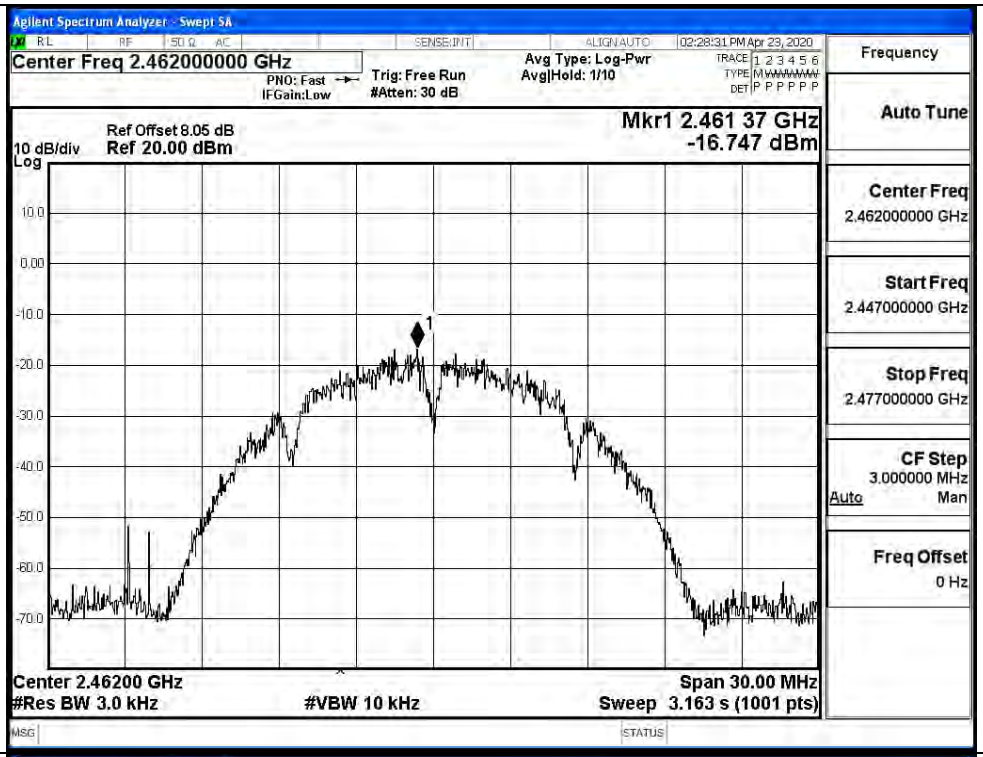
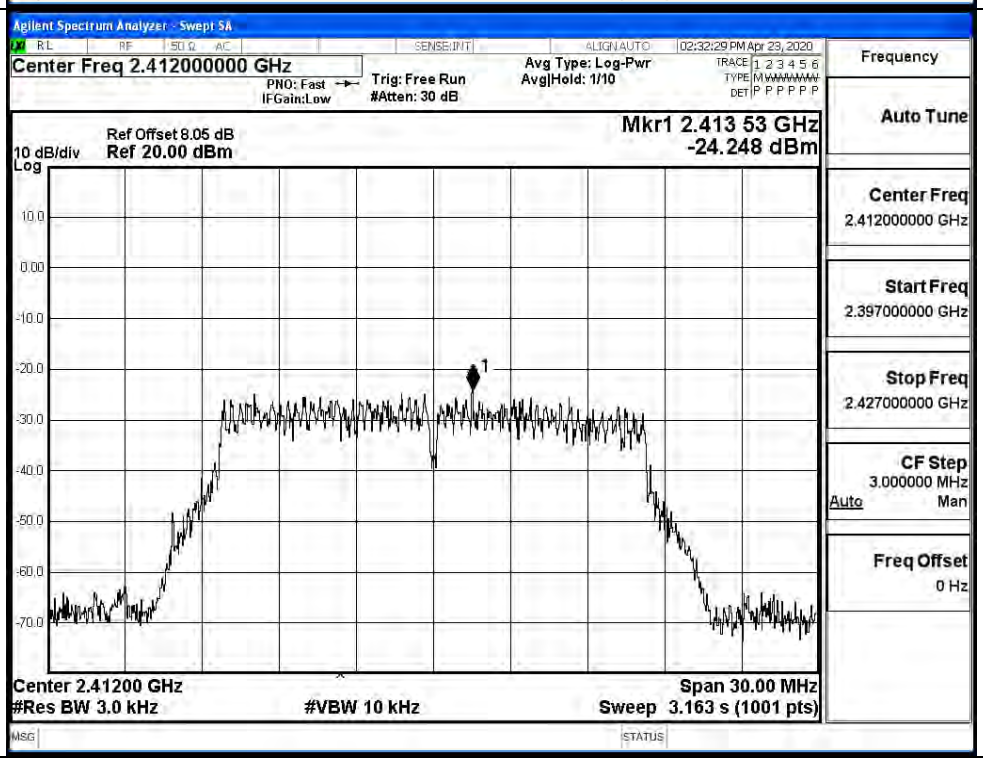
ANT1

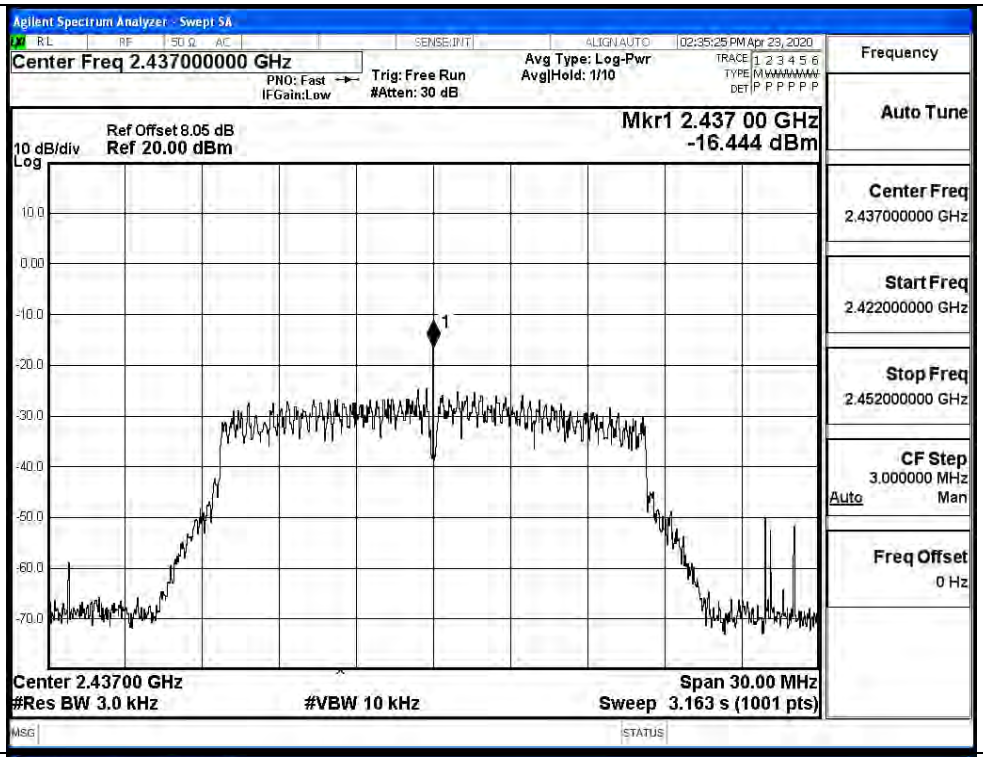
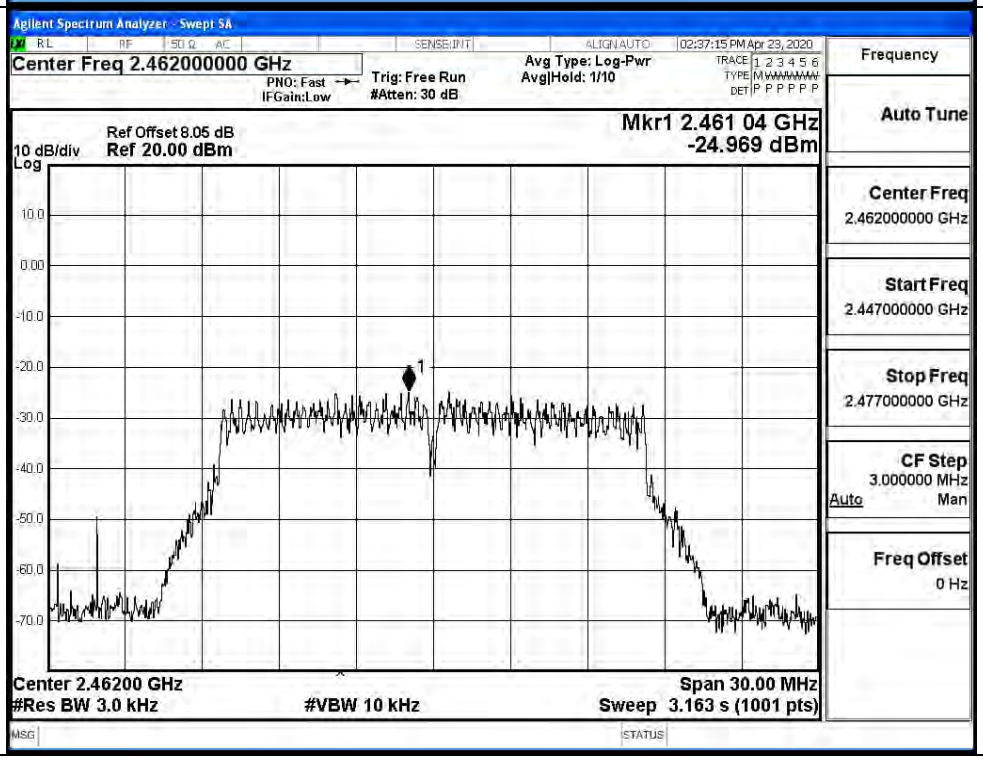
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-15.804	8	PASS
	MCH	-18.823	8	PASS
	HCH	-17.508	8	PASS
11G	LCH	-23.869	8	PASS
	MCH	-23.894	8	PASS
	HCH	-23.978	8	PASS
11N20SISO	LCH	-24.039	8	PASS
	MCH	-24.892	8	PASS
	HCH	-23.895	8	PASS
11N40SISO	LCH	-23.467	8	PASS
	MCH	-26.711	8	PASS
	HCH	-26.299	8	PASS

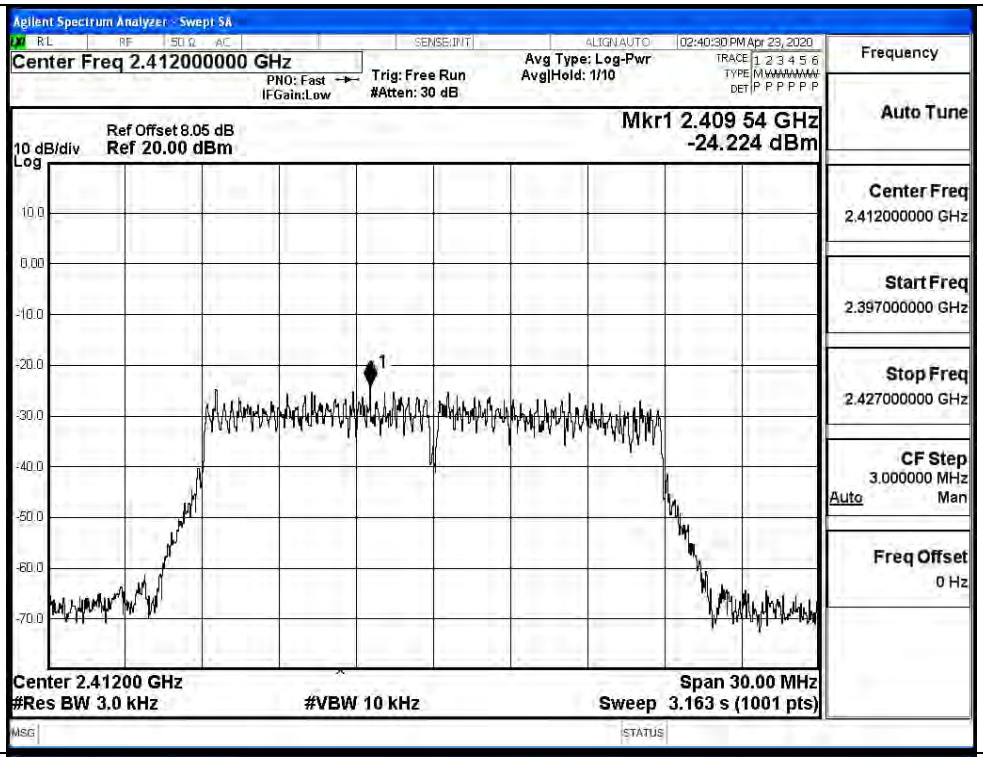
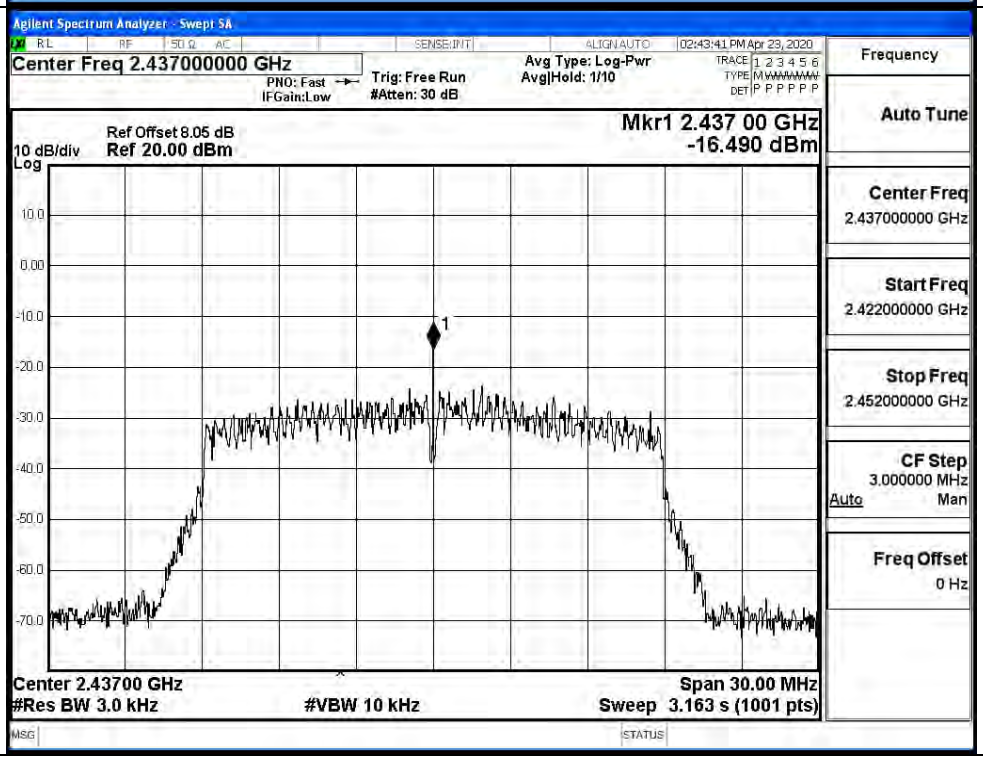
ANT0+ANT1

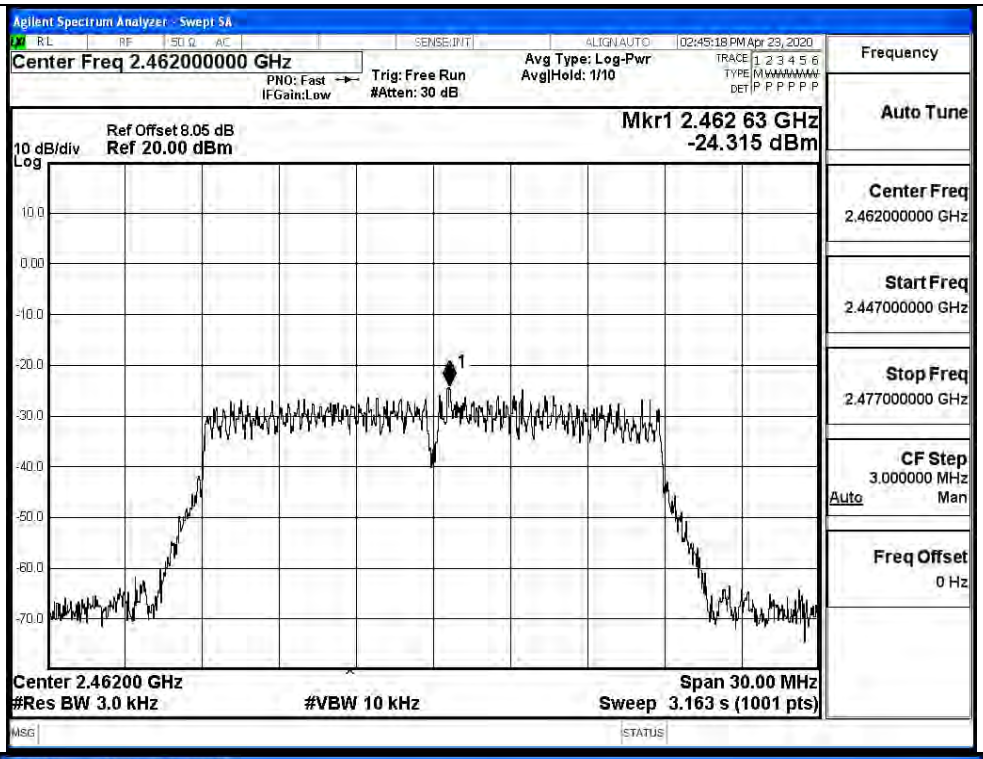
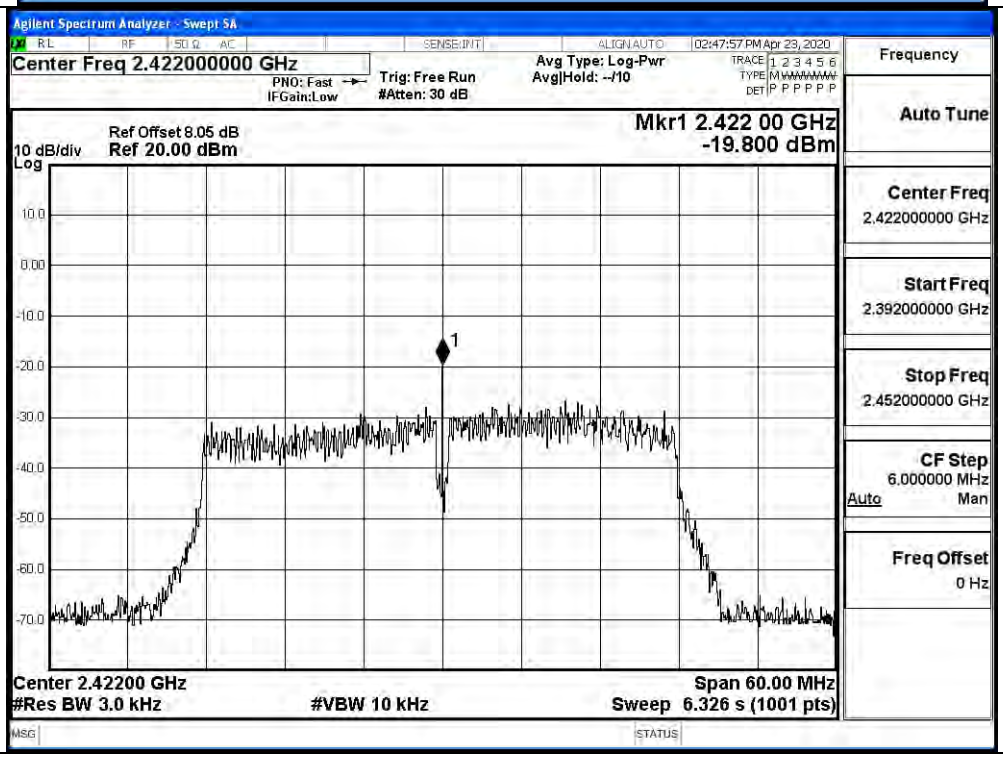
Mode	Channel	Meas.Level [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		ANT0	ANT1	ANT0+ANT1		
11N20SISO	LCH	-24.224	-24.039	-21.120	7.99	PASS
	MCH	-16.490	-24.892	-15.904	7.99	PASS
	HCH	-24.315	-23.895	-21.090	7.99	PASS
11N40SISO	LCH	-19.800	-23.467	-18.247	7.99	PASS
	MCH	-16.300	-26.711	-15.922	7.99	PASS
	HCH	-20.368	-26.299	-19.381	7.99	PASS

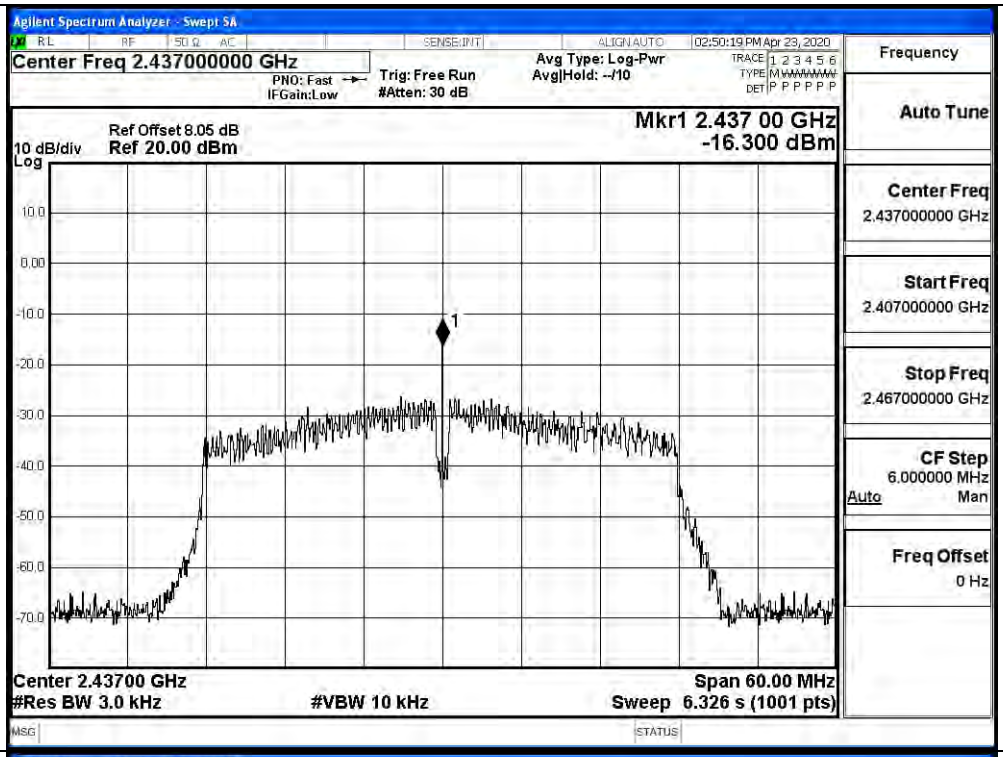
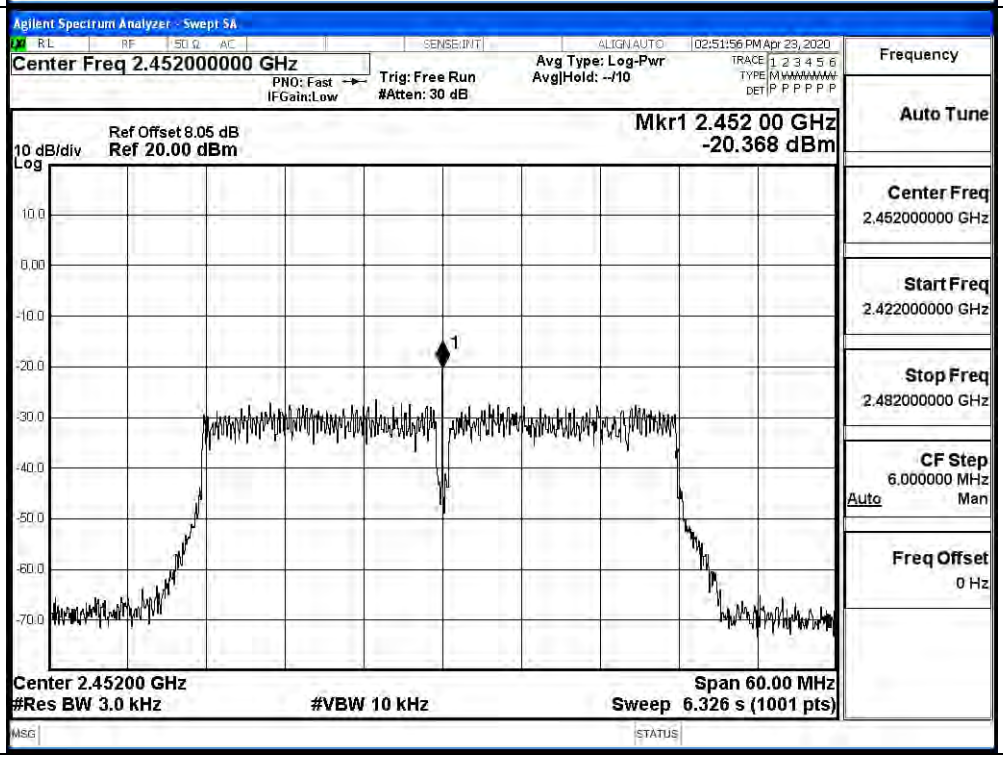
Test Graphs_ANT0		
11B/LCH		
11B/MCH		

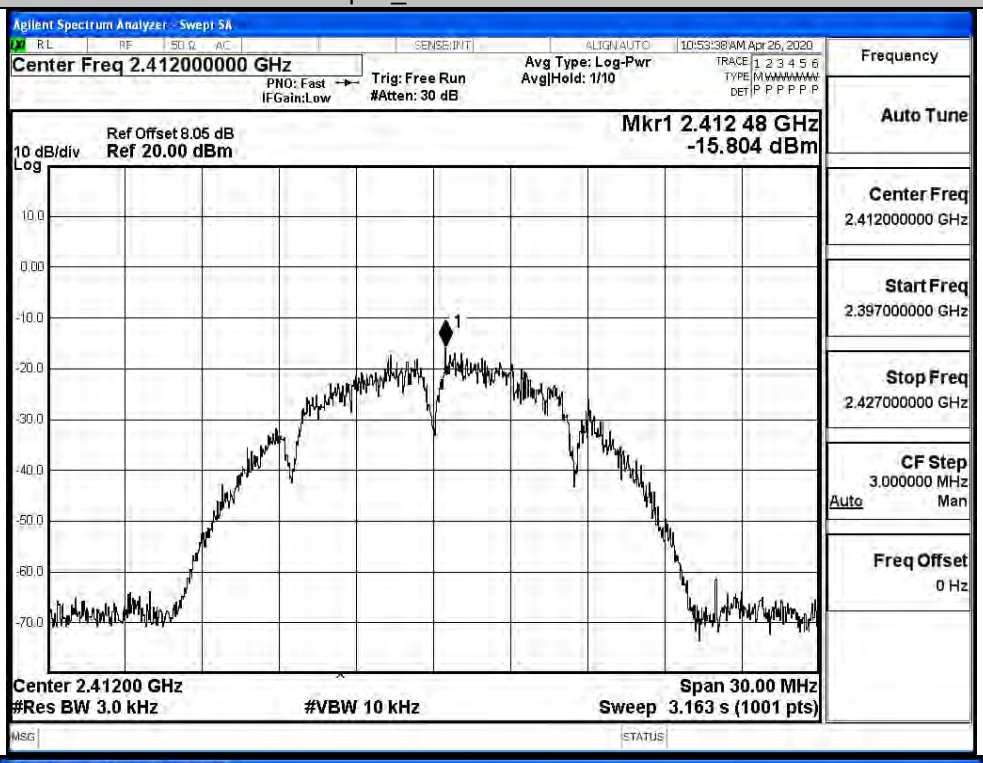
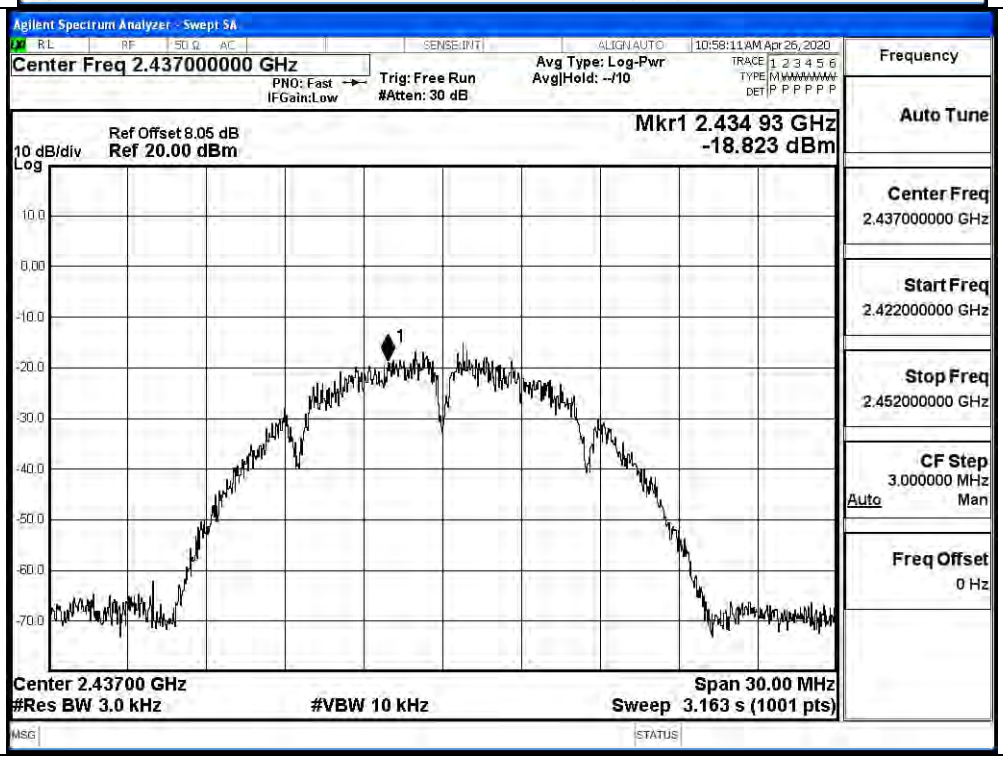
11B/HCH	
11G/LCH	

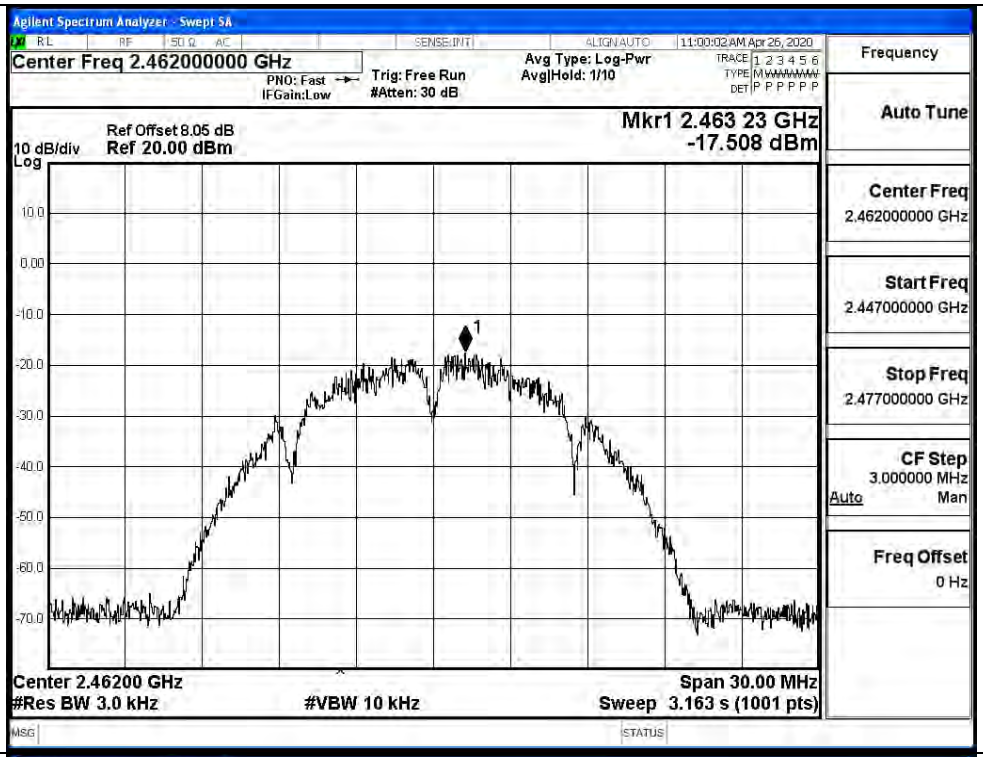
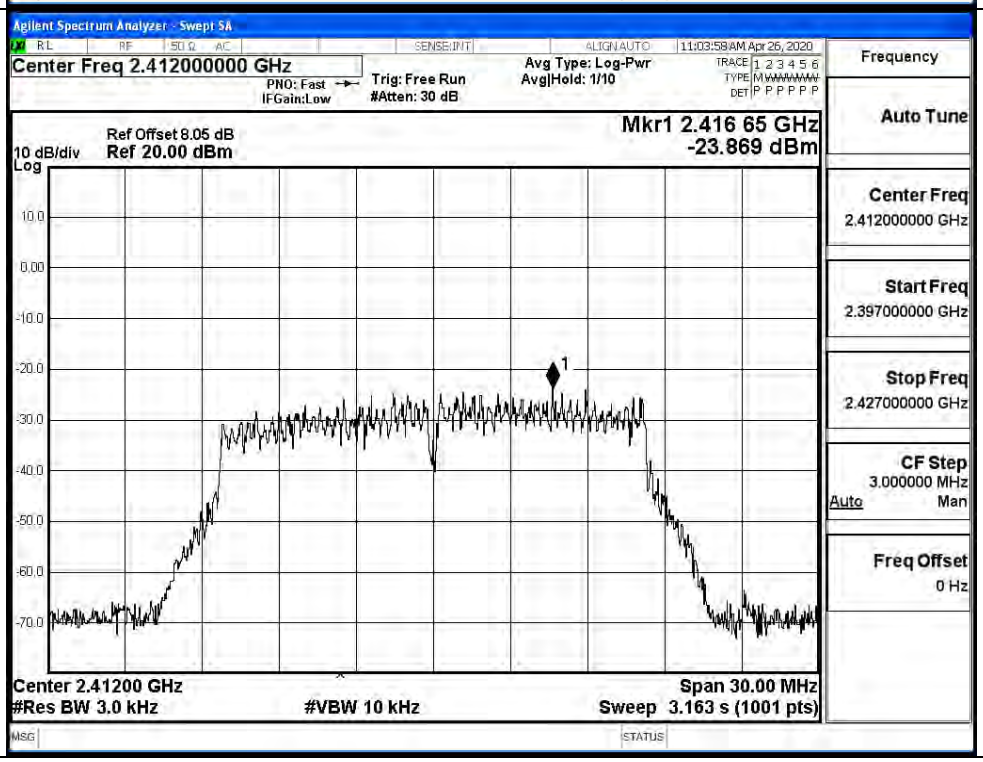
11G/MCH	
11G/HCH	

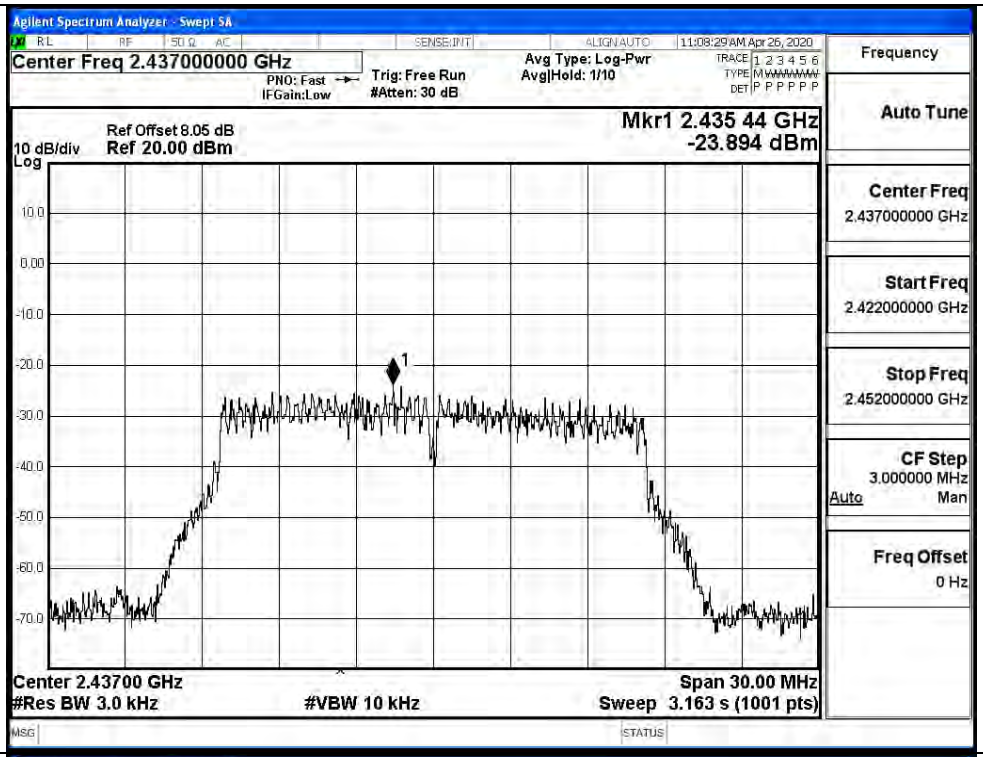
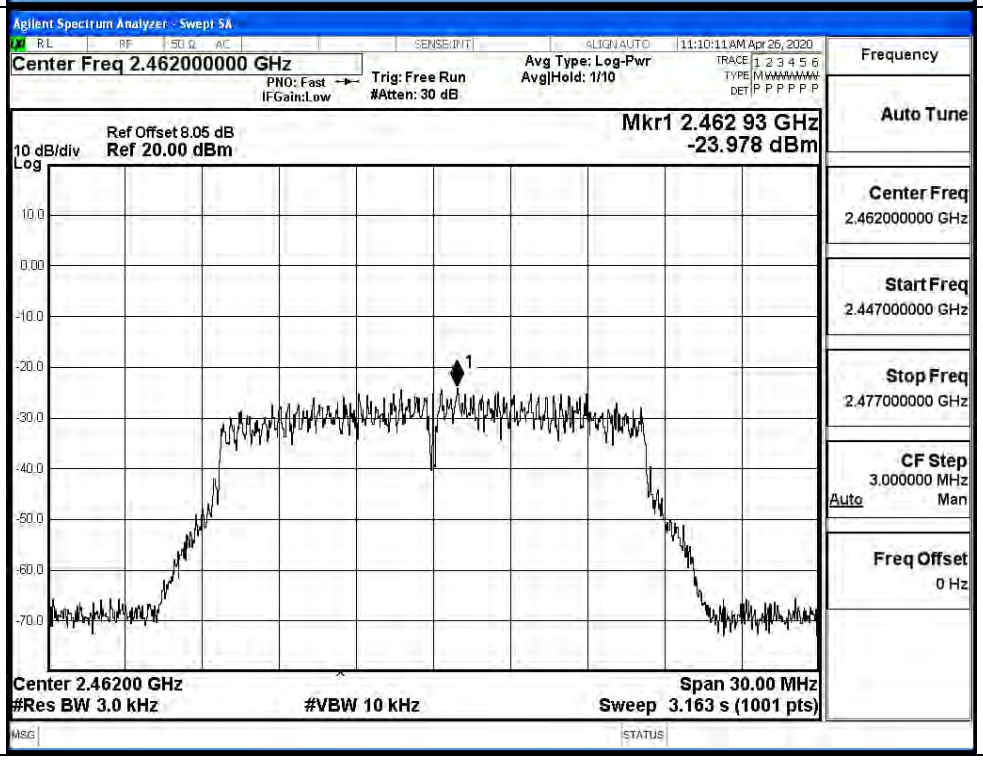
11N20SISO/LCH		
11N20SISO/MCH		

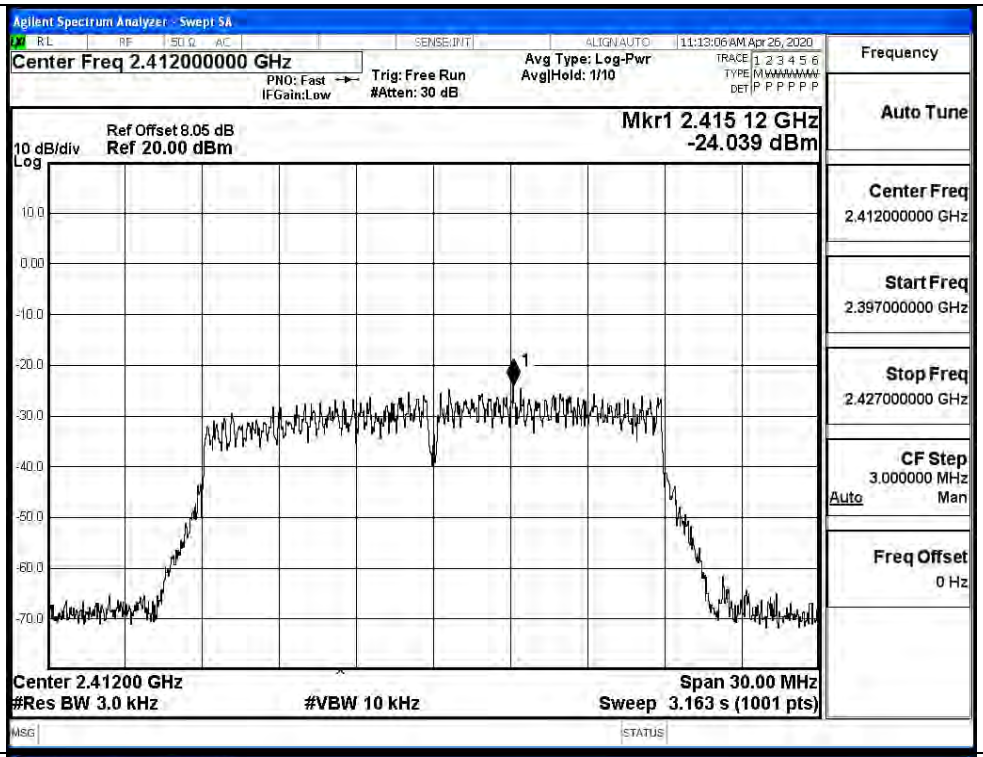
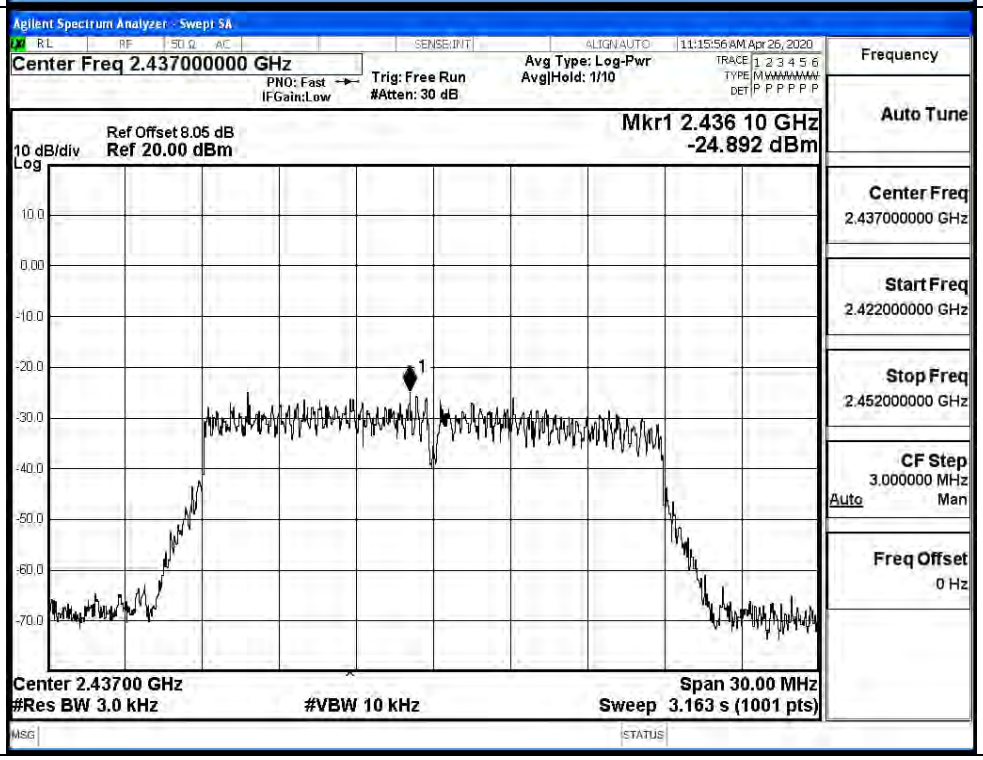
11N20SISO/HCH	
11N40SISO/LCH	

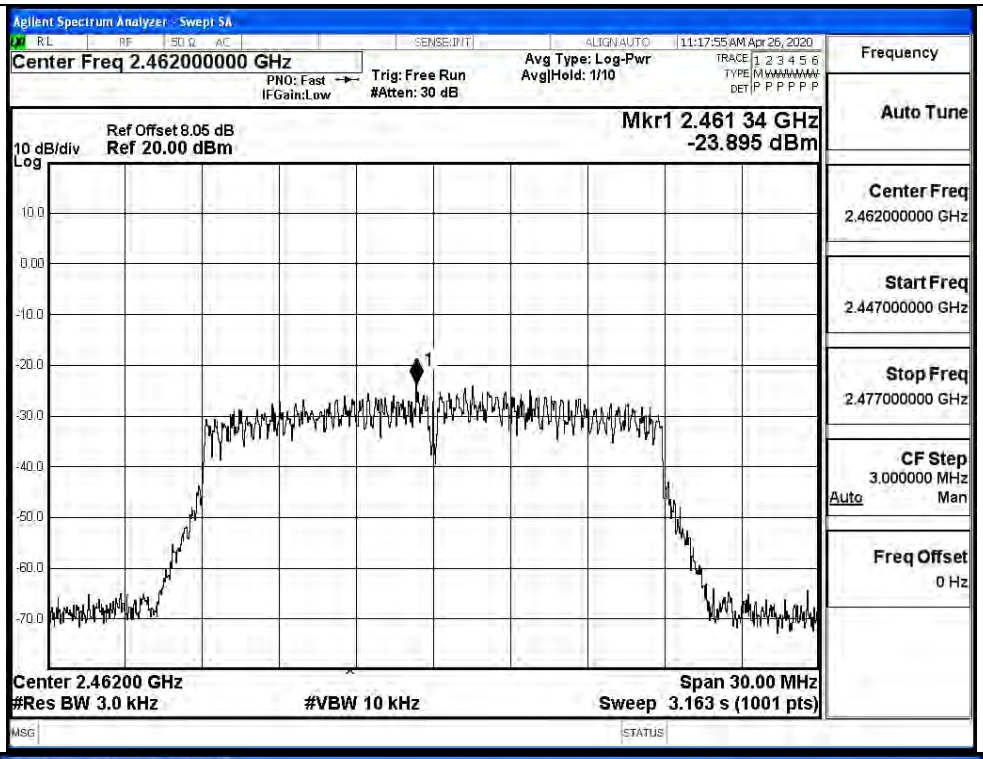
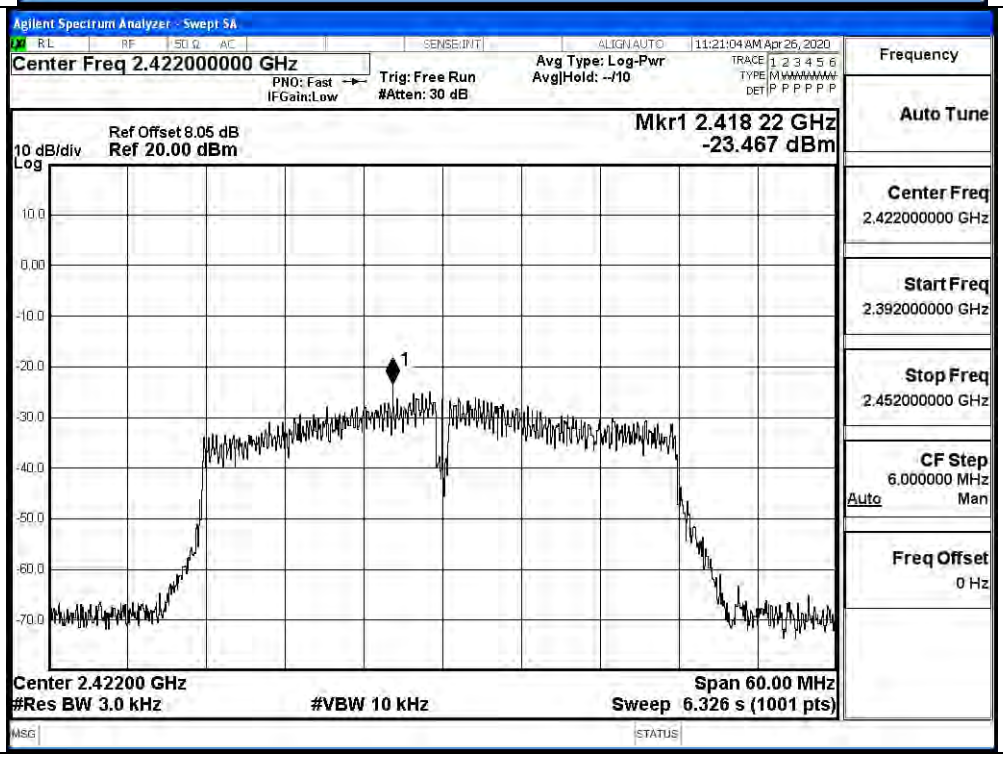
11N40SISO/MCH	
11N40SISO/HCH	

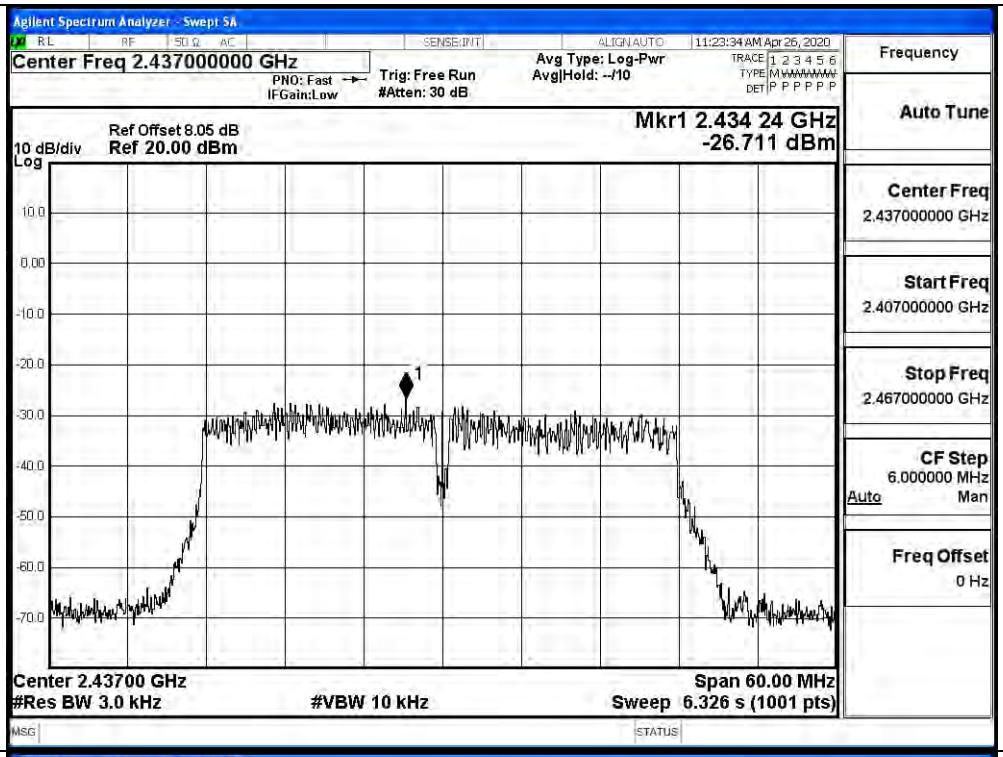
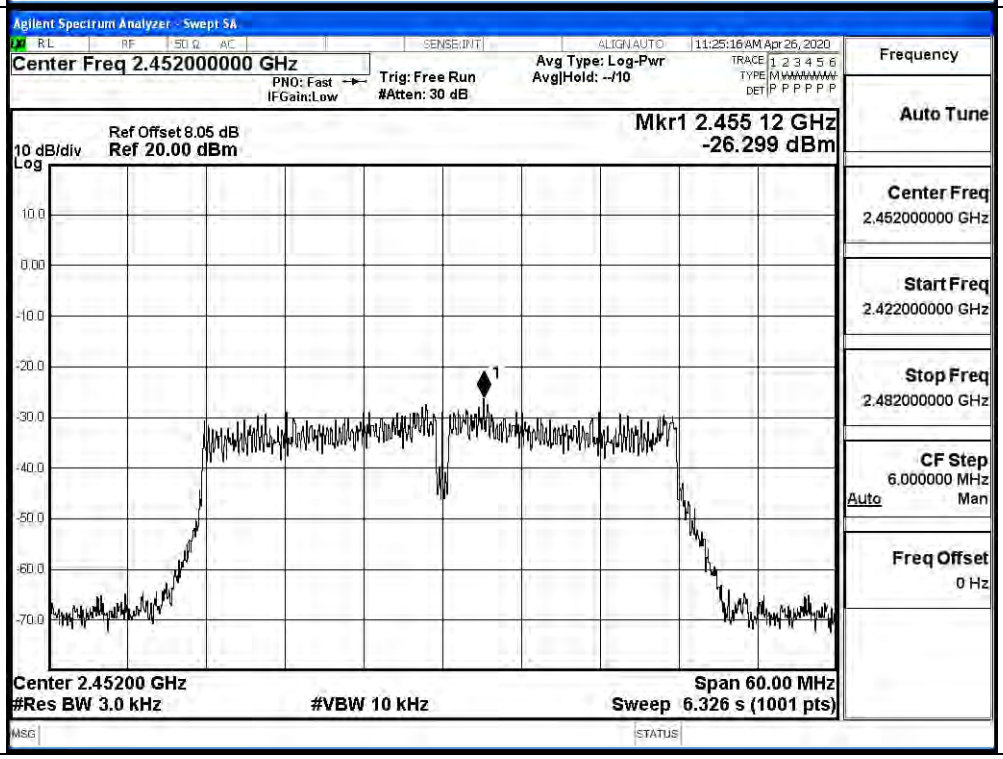
Test Graphs_ANT1	
11B/LCH	
11B/MCH	

11B/HCH	
11G/LCH	

11G/MCH	
11G/HCH	

11N20SISO/LCH	
11N20SISO/MCH	

11N20SISO/HCH	
11N40SISO/LCH	

11N40SISO/MCH	
11N40SISO/HCH	

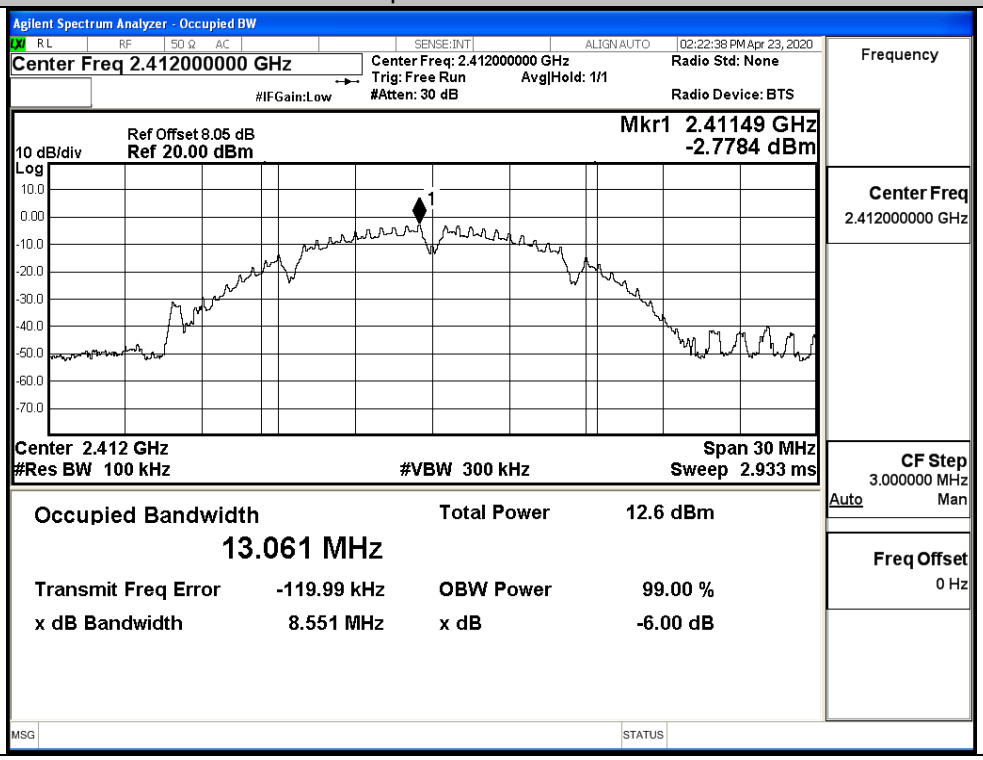
C.4 6dB Bandwidth

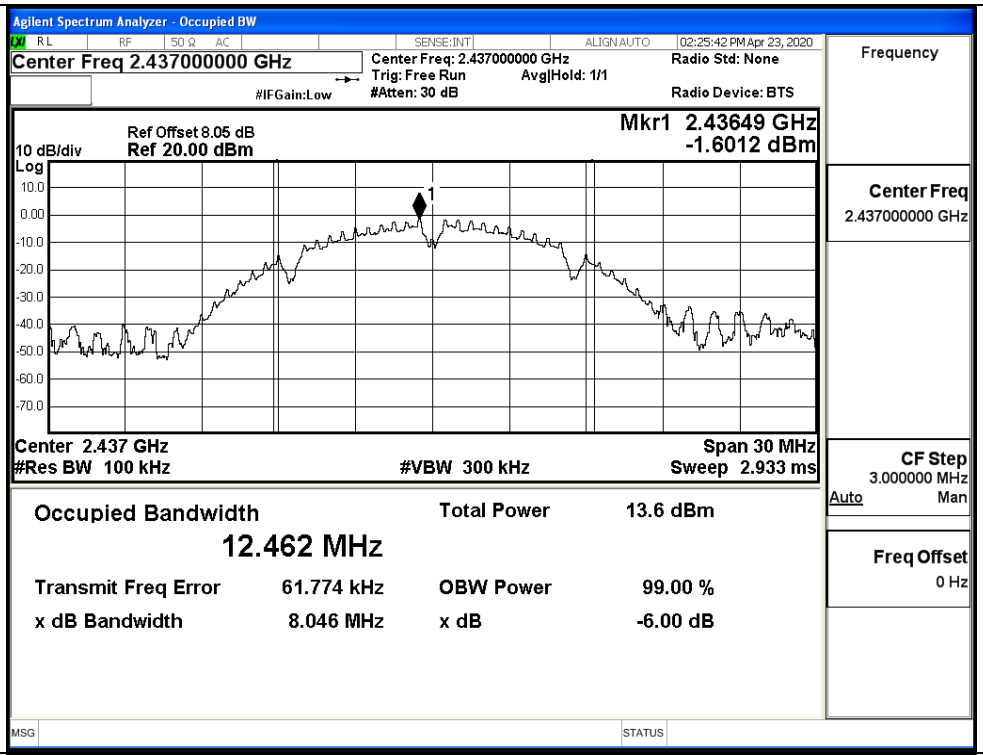
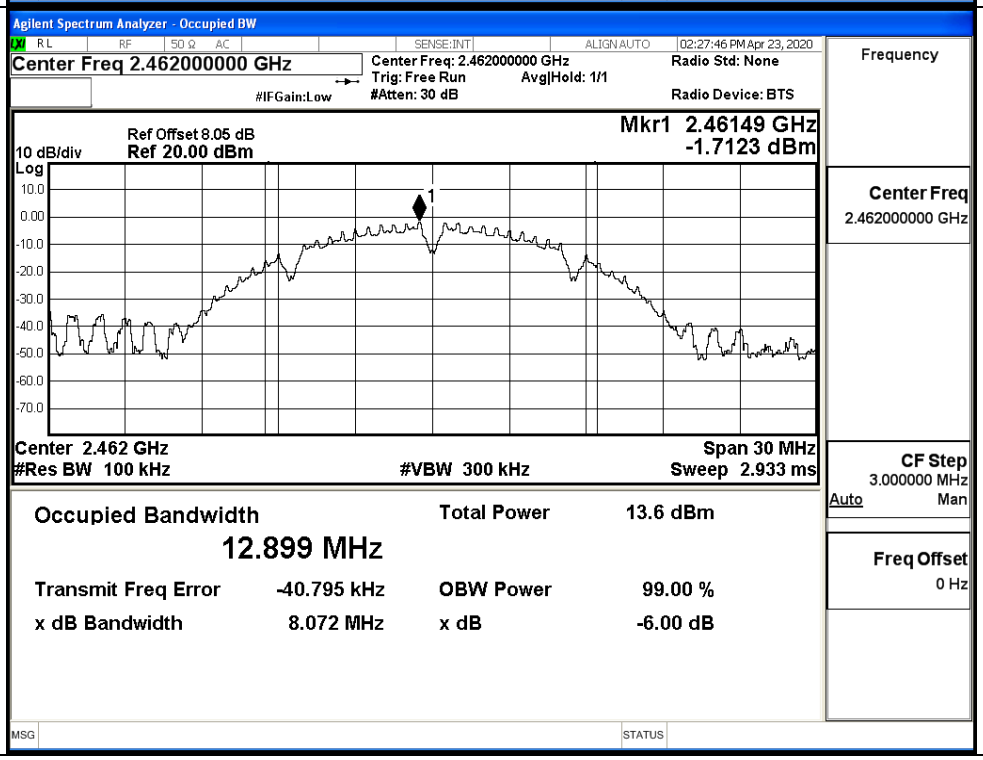
ANT0

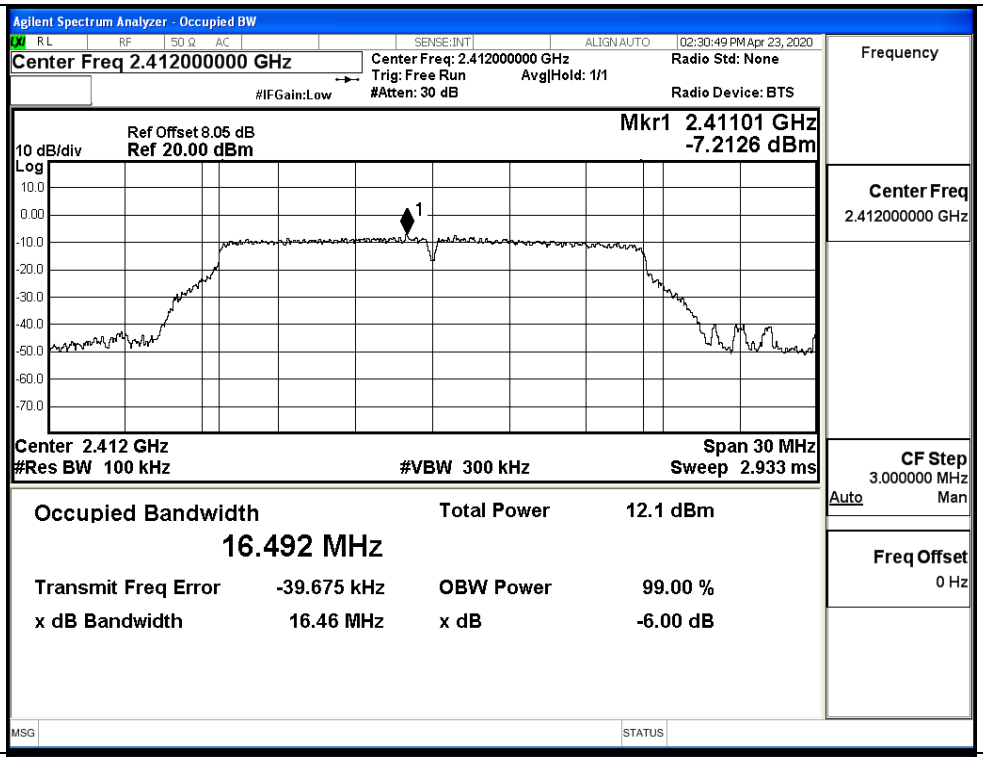
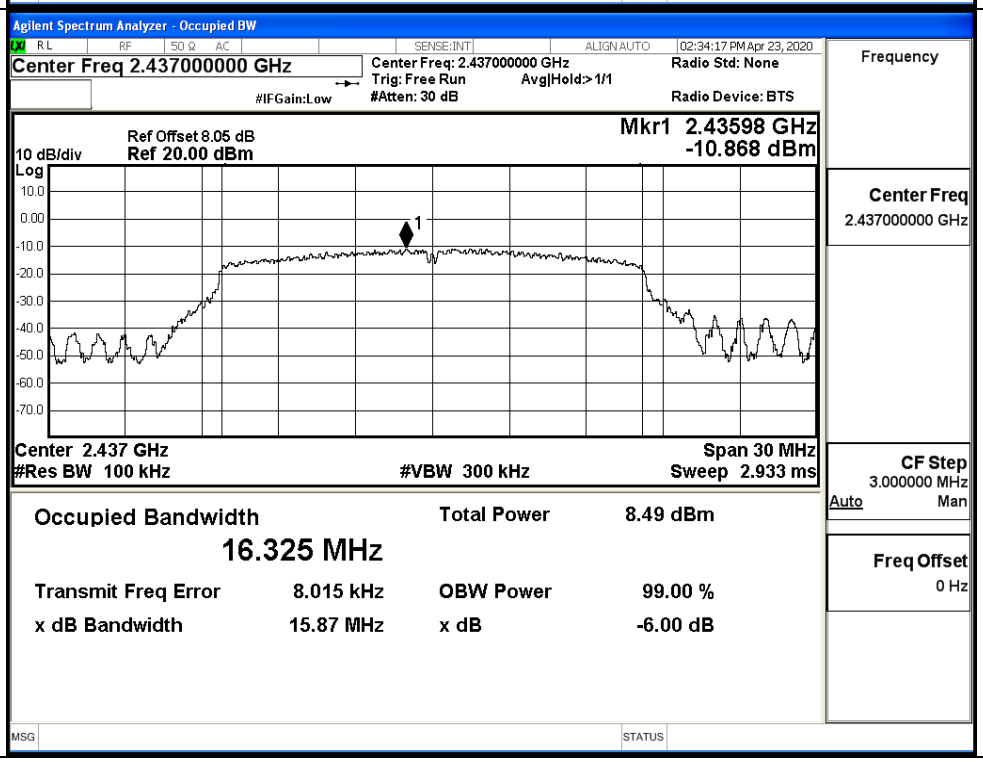
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.551	≥0.5	PASS
	MCH	8.046	≥0.5	PASS
	HCH	8.072	≥0.5	PASS
11G	LCH	16.46	≥0.5	PASS
	MCH	15.87	≥0.5	PASS
	HCH	16.41	≥0.5	PASS
11N20SISO	LCH	17.77	≥0.5	PASS
	MCH	16.80	≥0.5	PASS
	HCH	17.72	≥0.5	PASS
11N40SISO	LCH	35.99	≥0.5	PASS
	MCH	27.04	≥0.5	PASS
	HCH	35.13	≥0.5	PASS

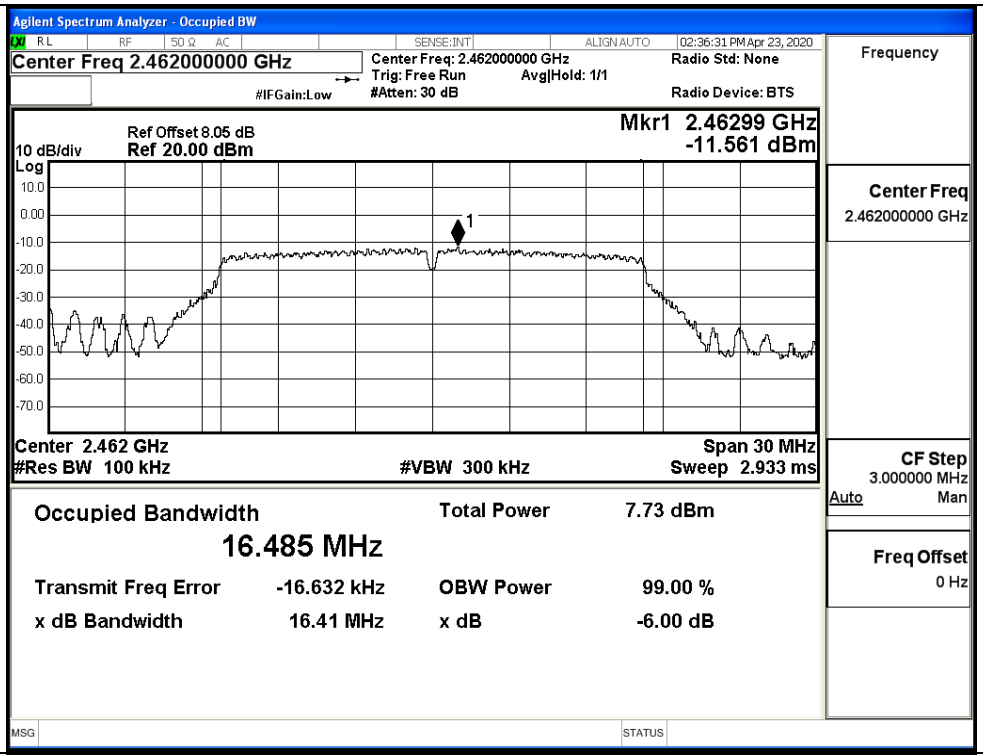
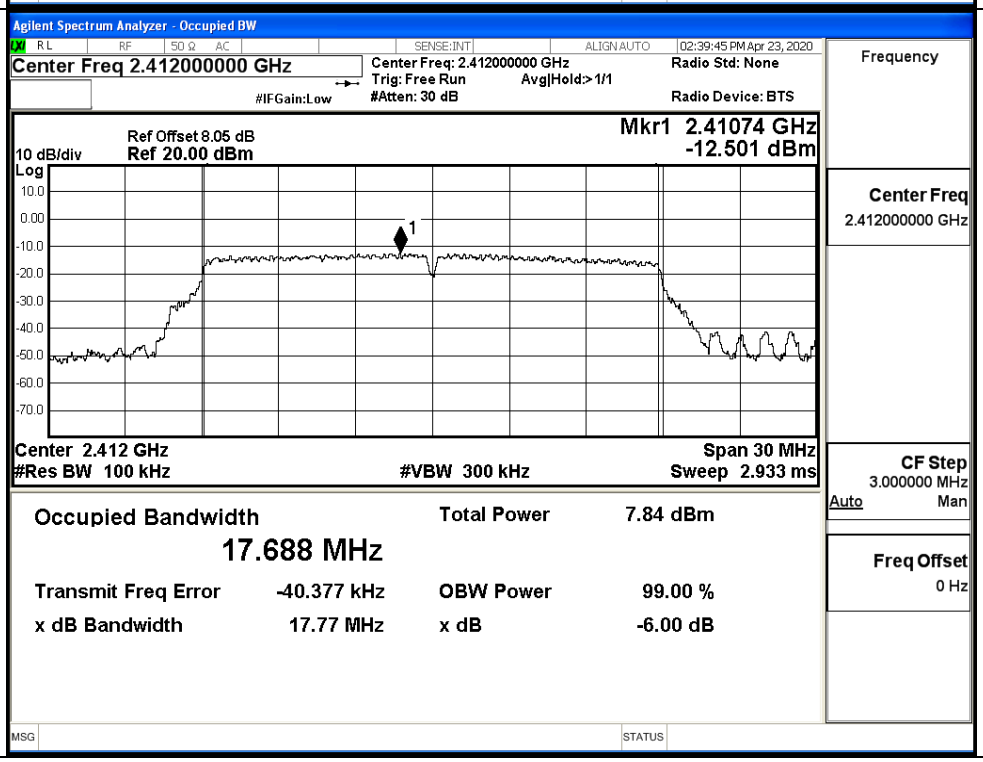
Test Graphs

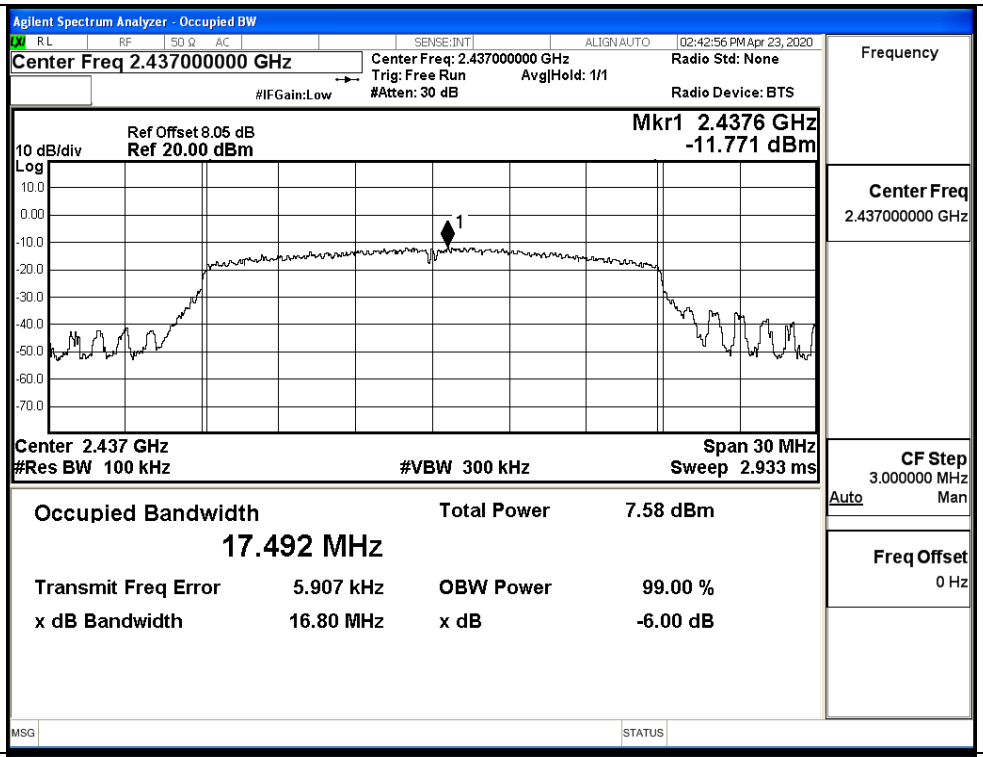
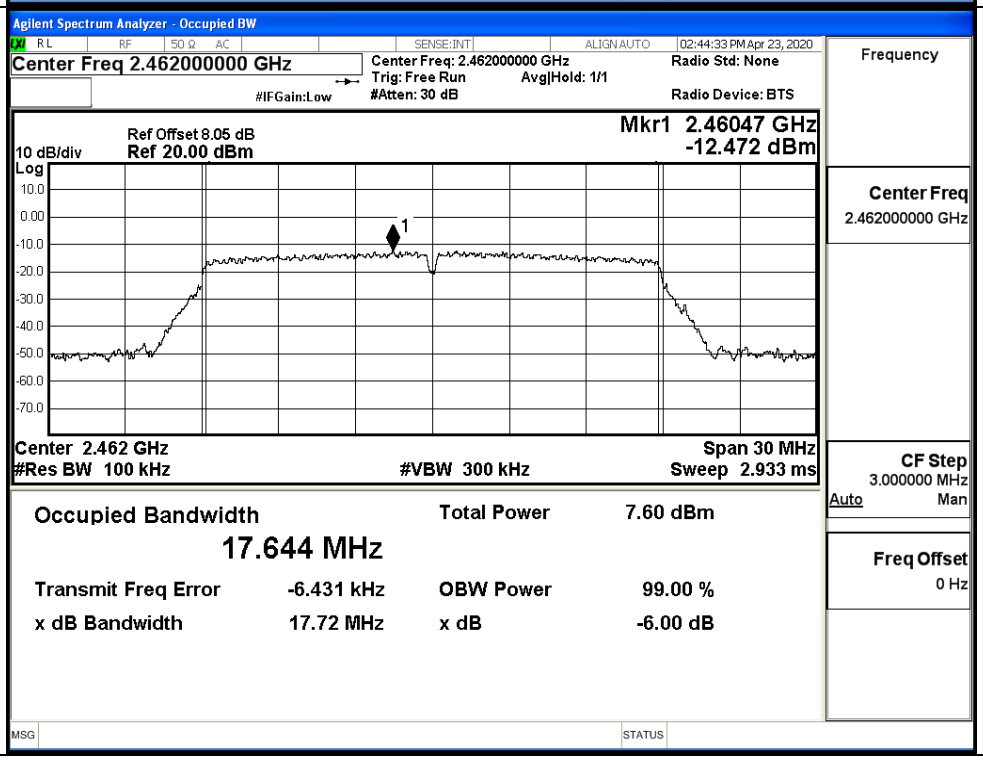
11B/LCH

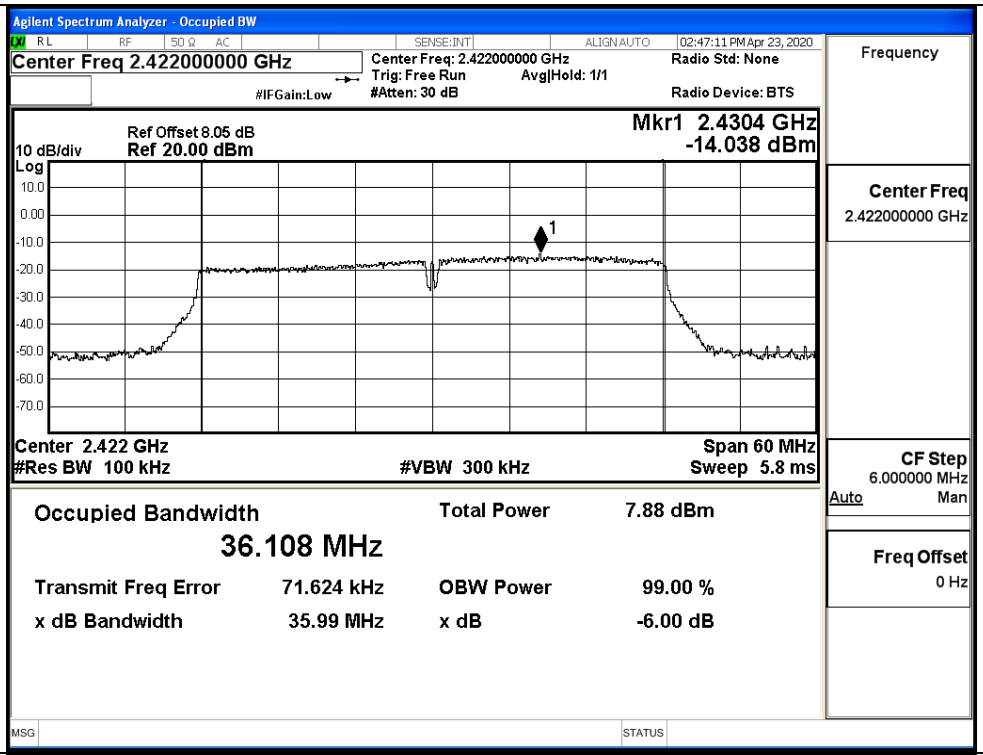
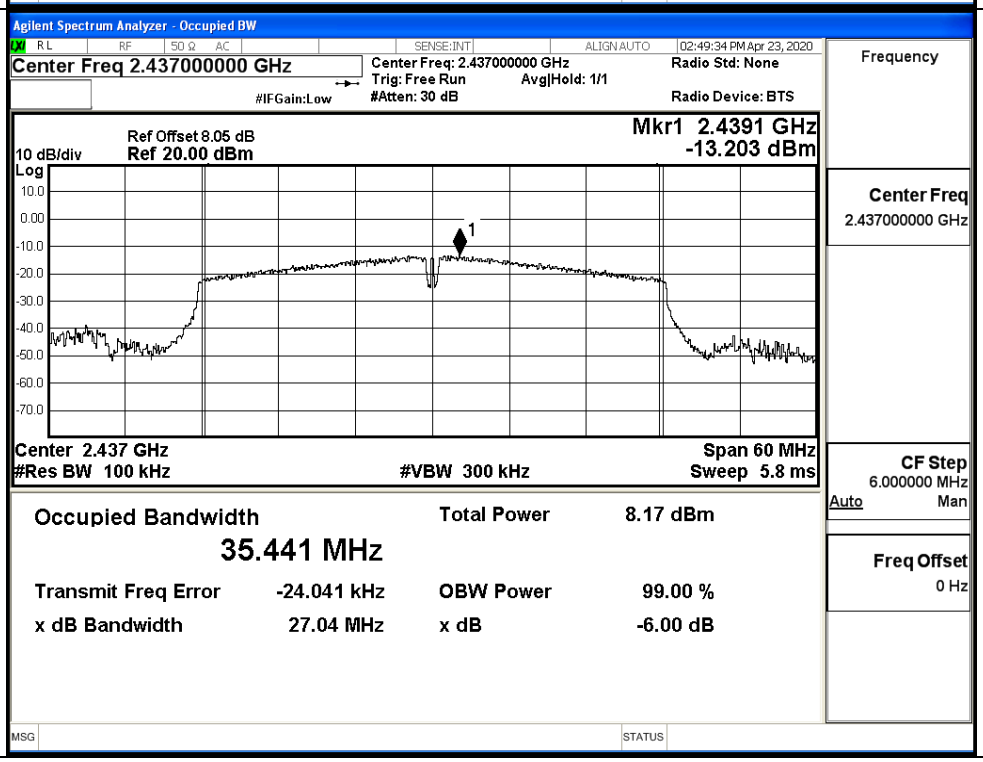


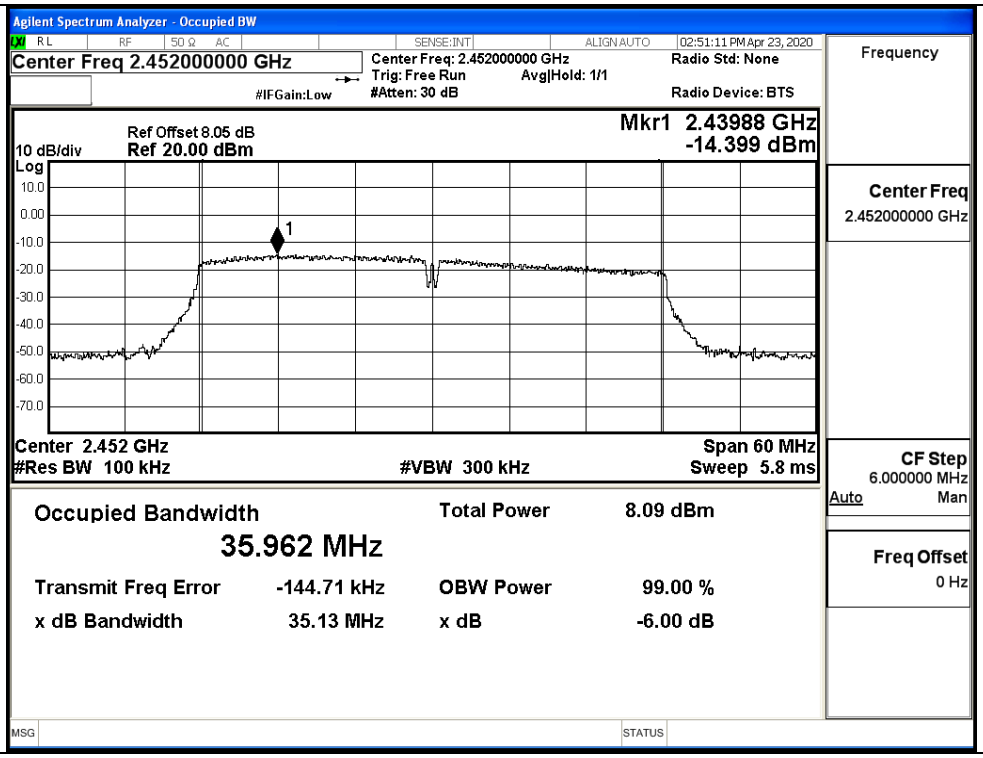
11B/MCH	
11B/HCH	

11G/LCH	
11G/MCH	

11G/HCH		
11N20SISO/LCH		

11N20SISO/MCH	
11N20SISO/HCH	

11N40SISO/LCH	
11N40SISO/MCH	

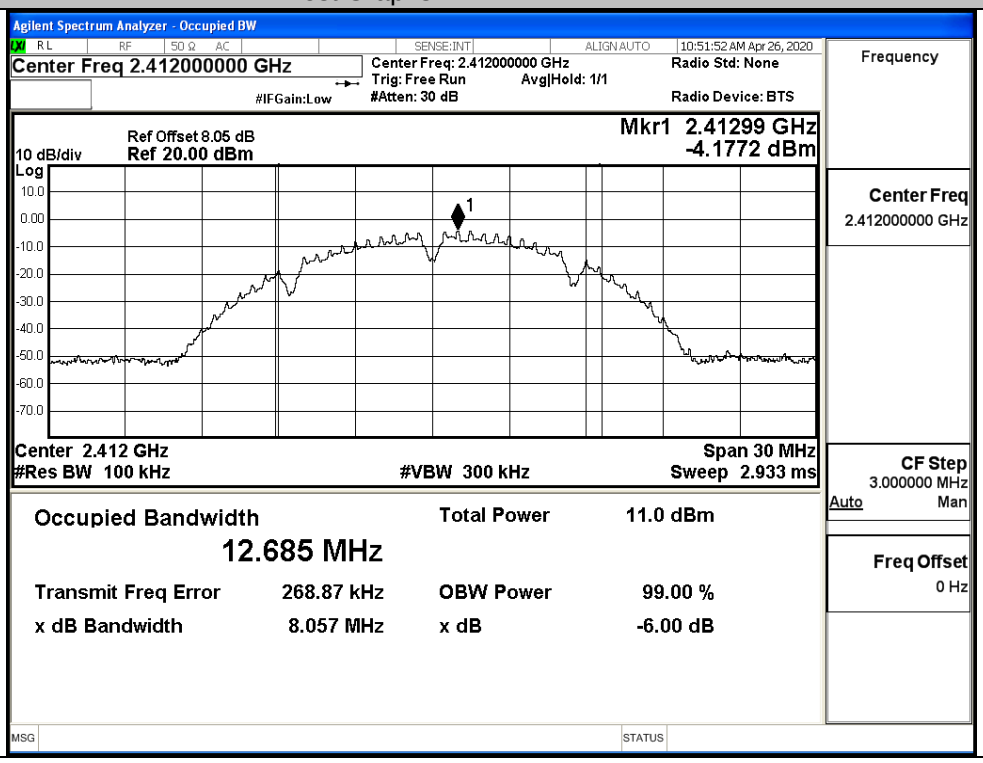
11N40SISO/HCH	

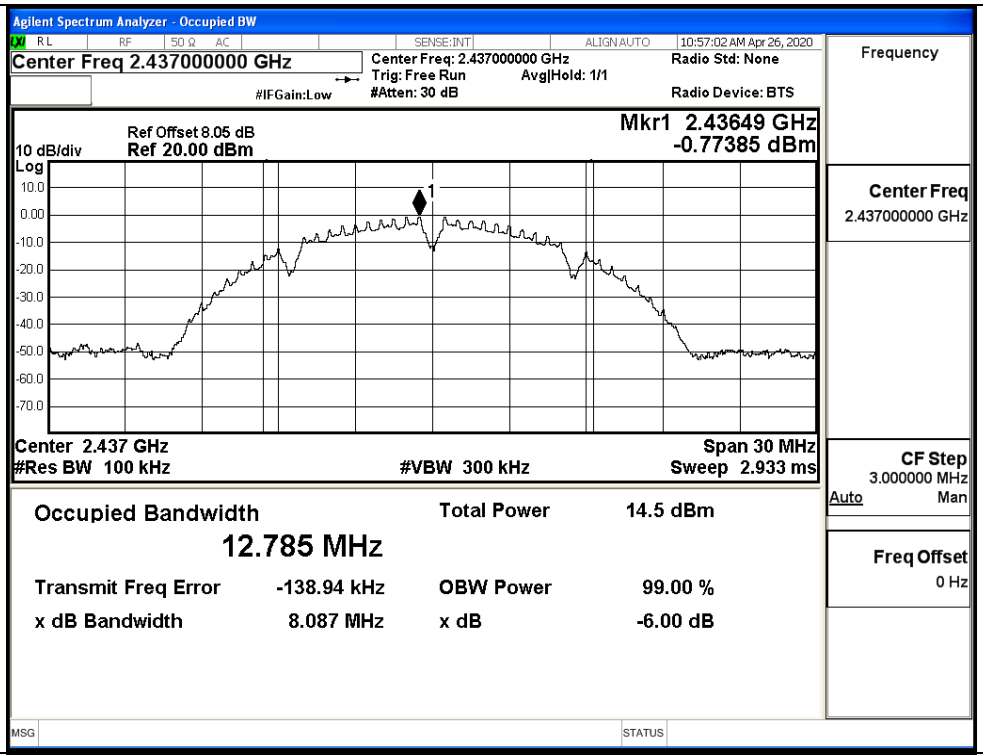
ANT1

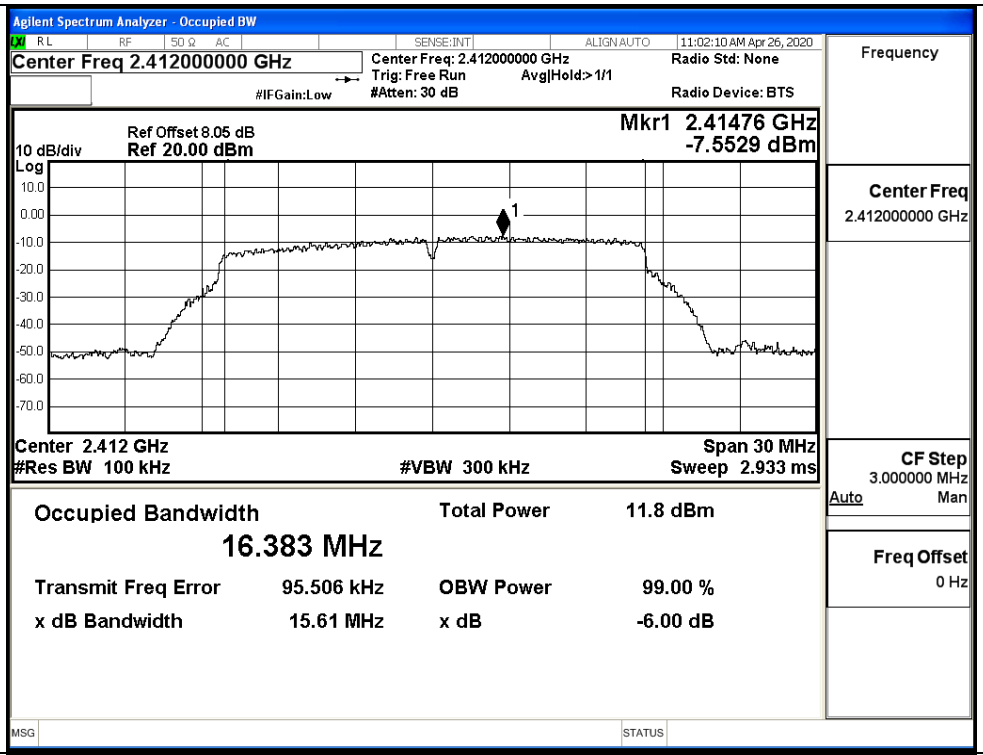
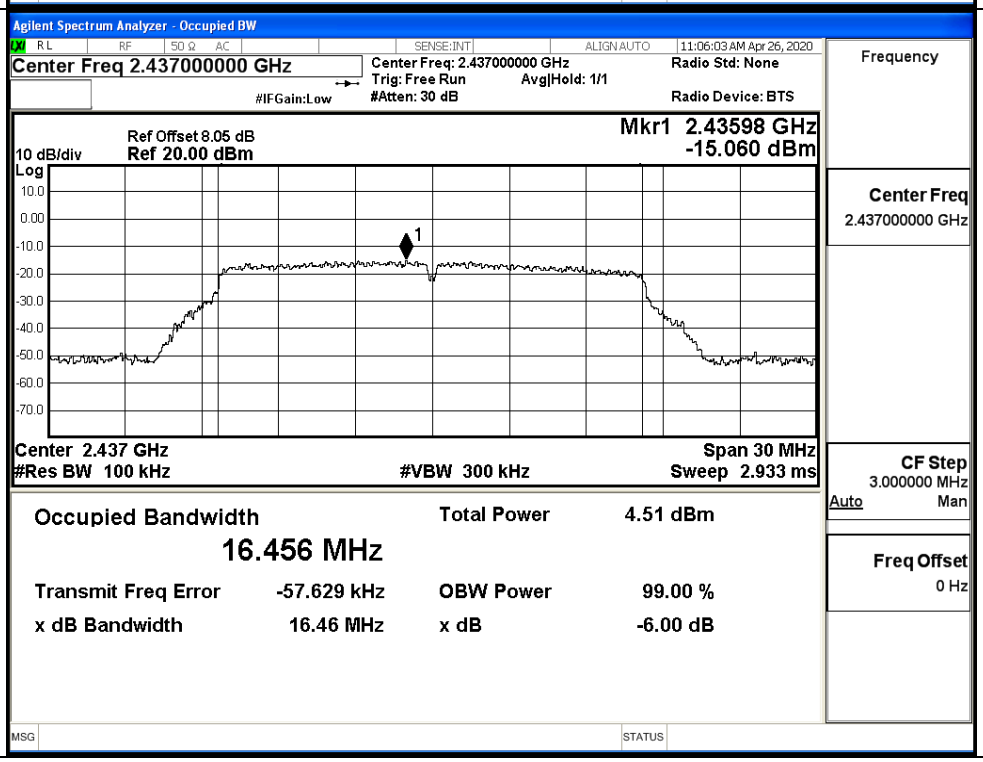
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.057	≥0.5	PASS
	MCH	8.087	≥0.5	PASS
	HCH	7.579	≥0.5	PASS
11G	LCH	15.61	≥0.5	PASS
	MCH	16.46	≥0.5	PASS
	HCH	15.68	≥0.5	PASS
11N20SISO	LCH	16.17	≥0.5	PASS
	MCH	17.68	≥0.5	PASS
	HCH	16.34	≥0.5	PASS
11N40SISO	LCH	25.34	≥0.5	PASS
	MCH	36.13	≥0.5	PASS
	HCH	36.17	≥0.5	PASS

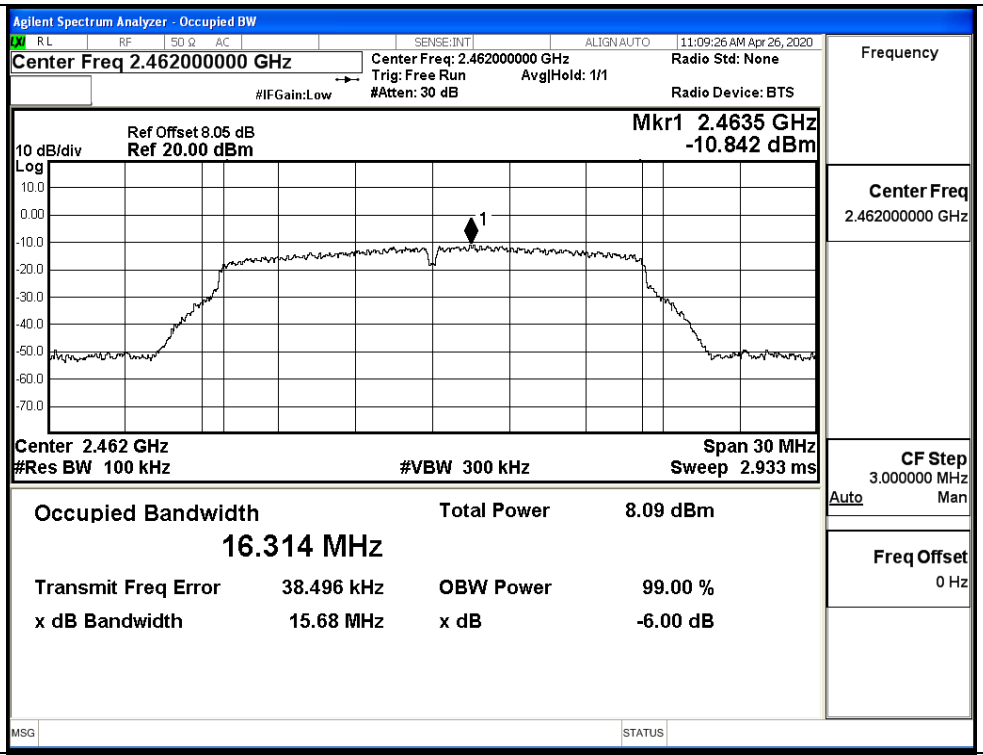
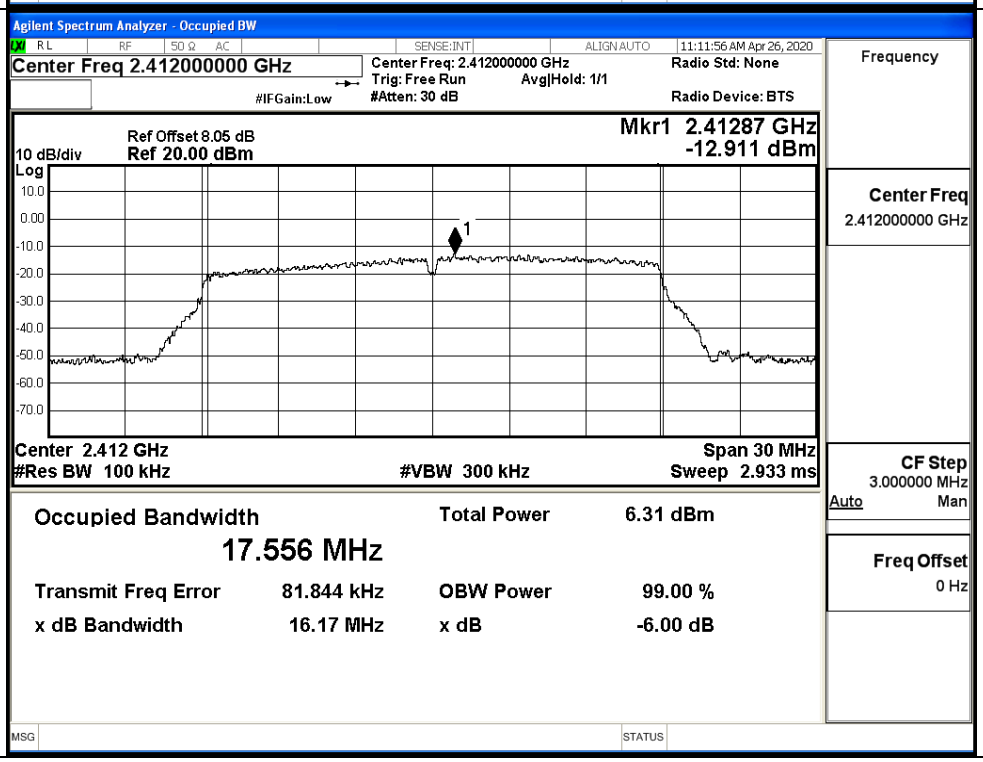
Test Graphs

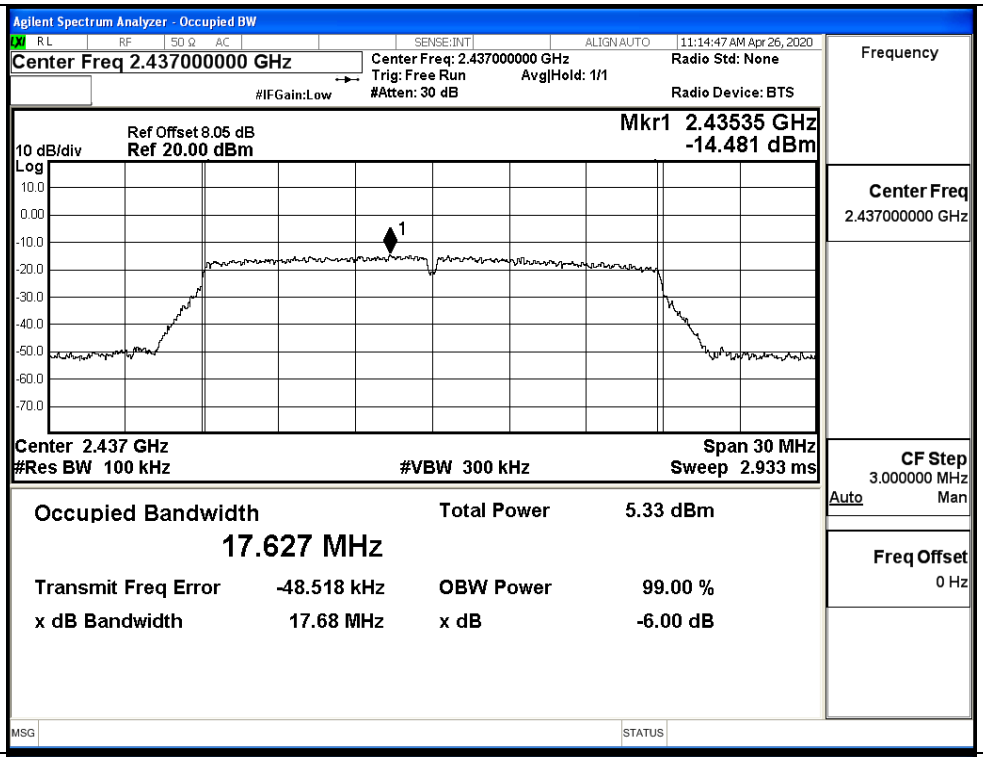
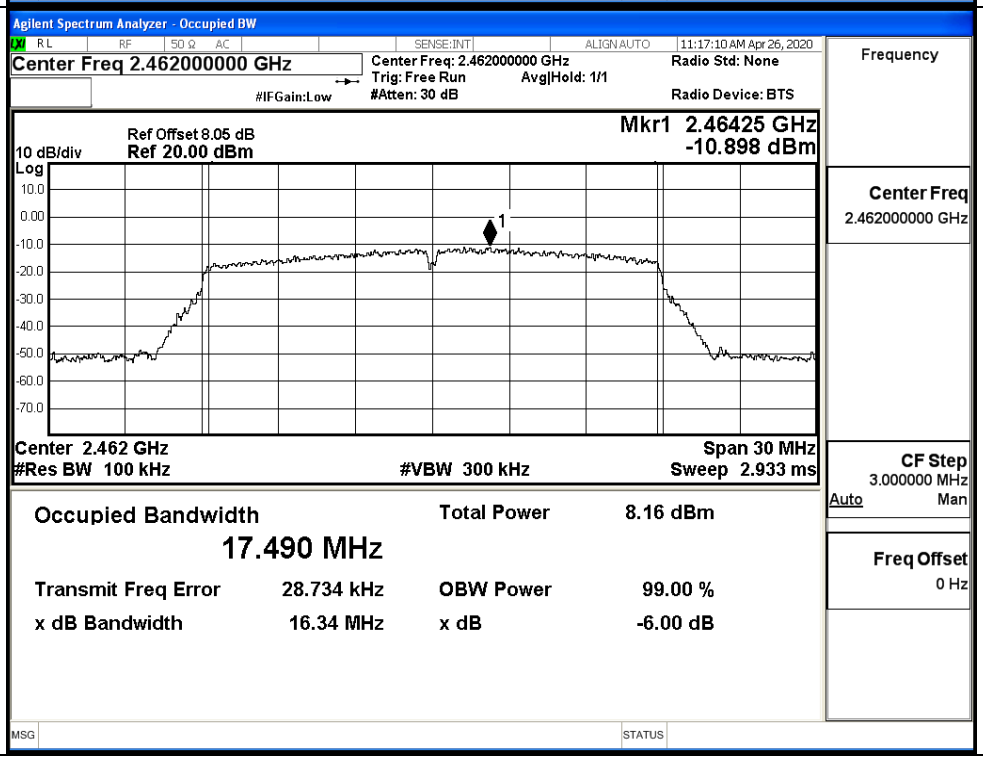
11B/LCH

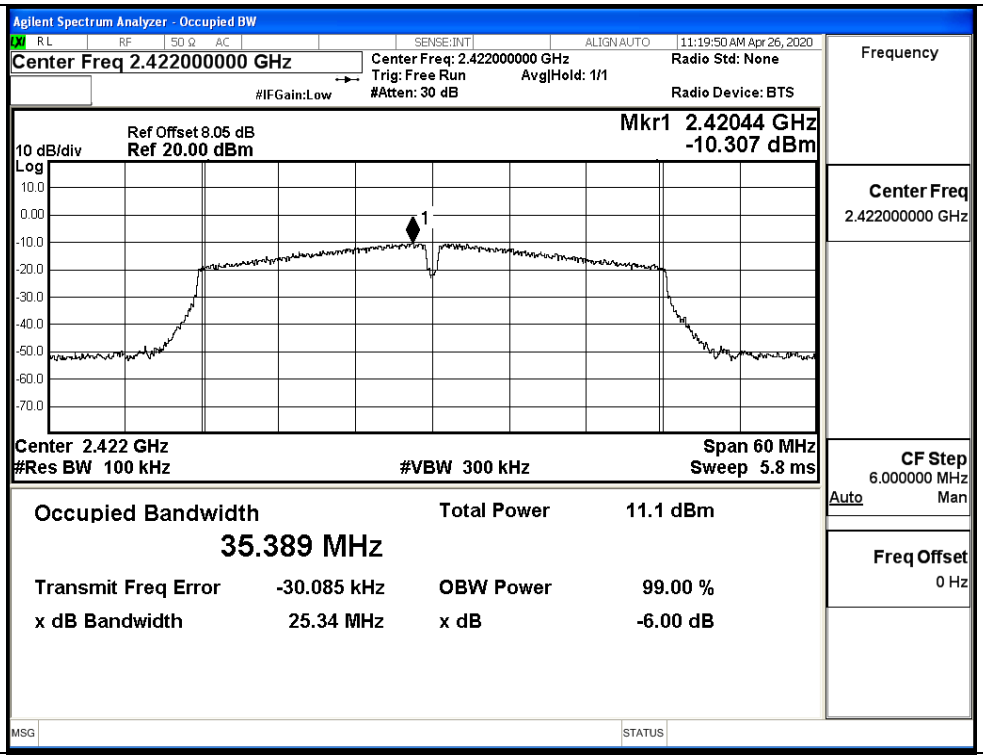
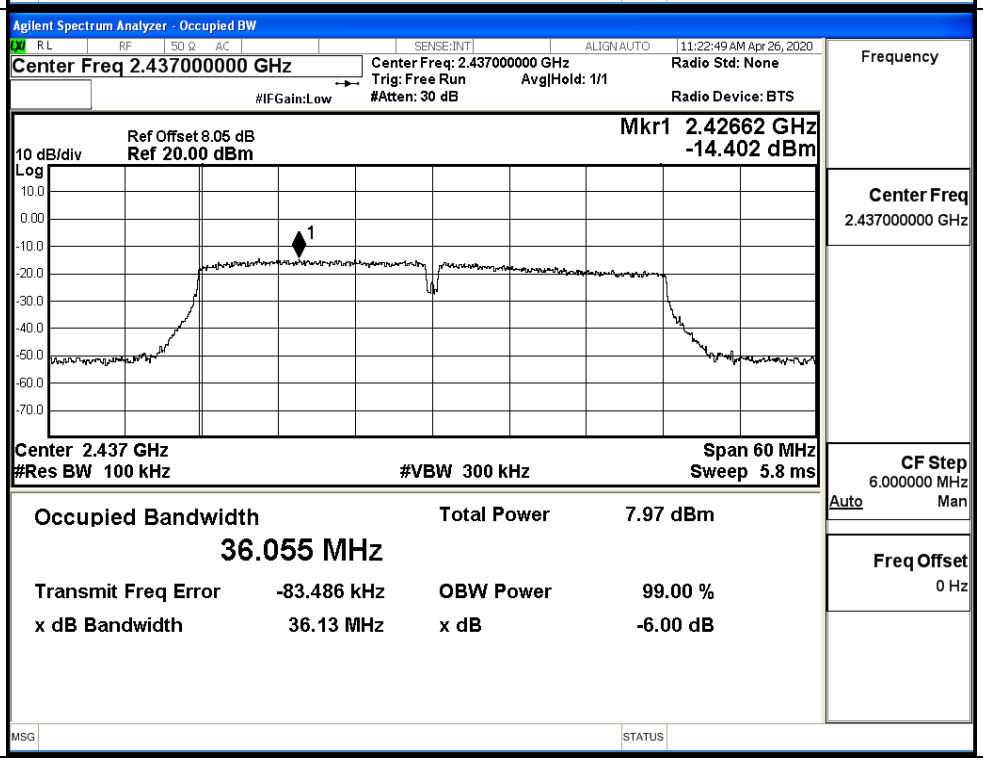


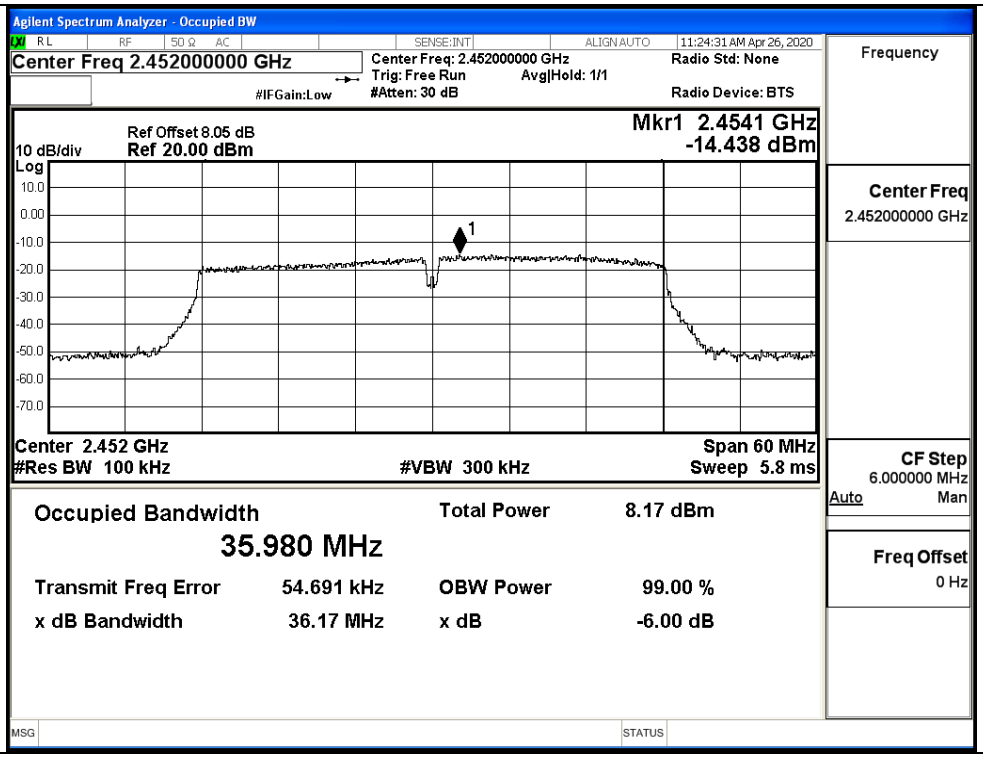
11B/MCH	
11B/HCH	

11G/LCH		
11G/MCH		

11G/HCH	
11N20SISO/LCH	

11N20SISO/MCH	
11N20SISO/HCH	

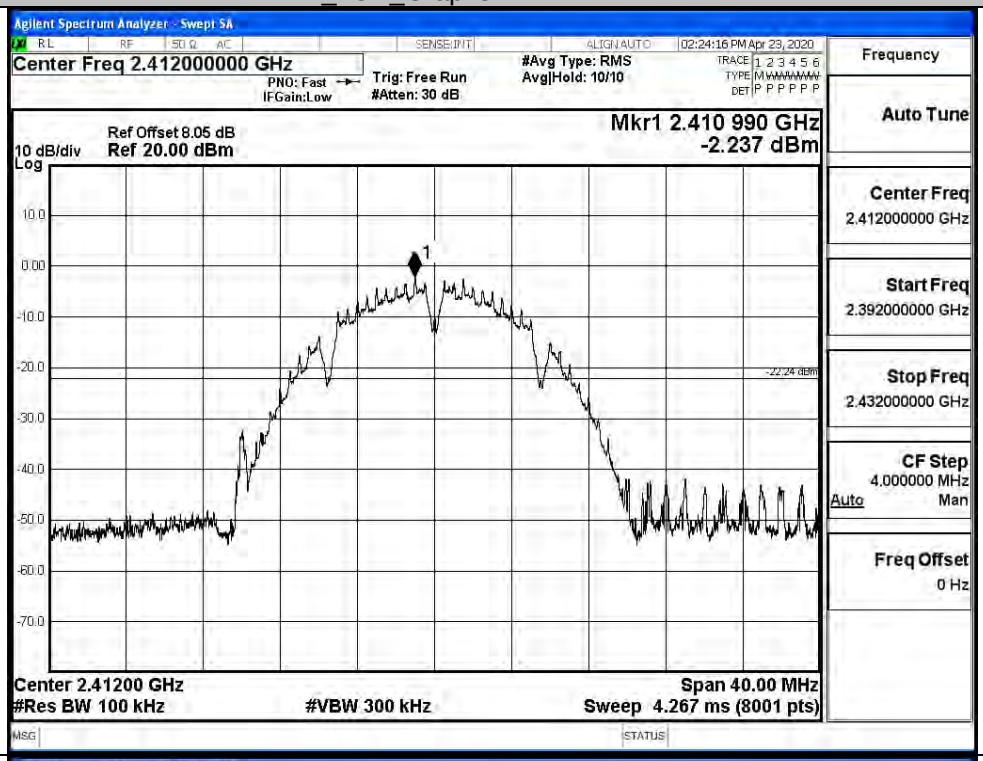
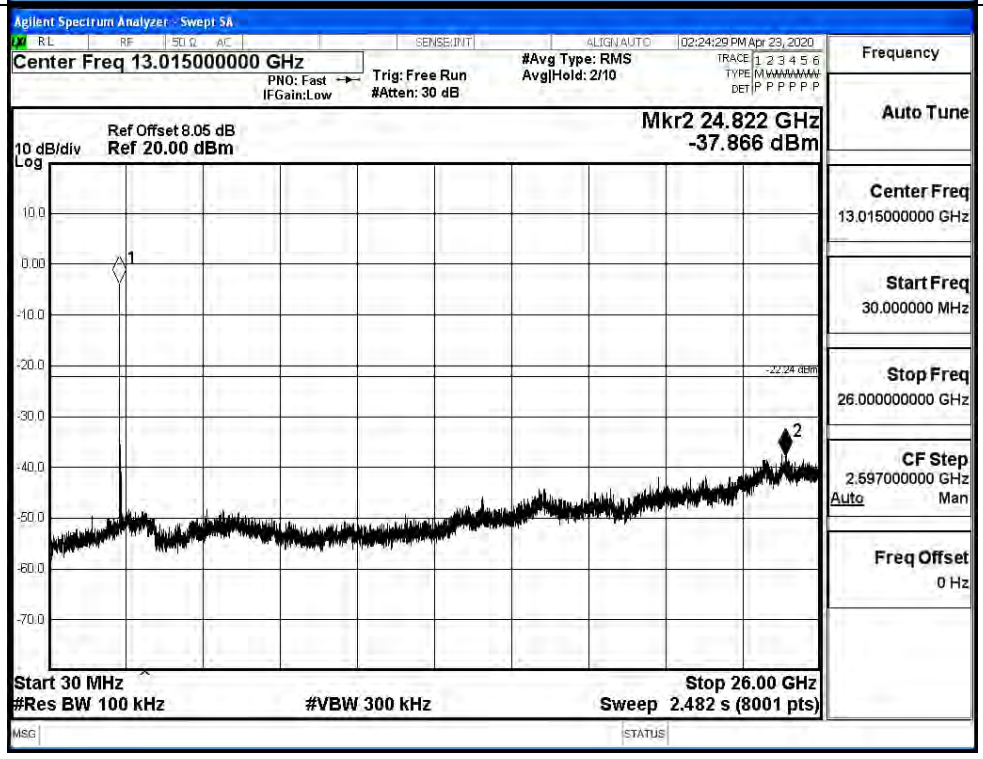
11N40SISO/LCH		
11N40SISO/MCH		

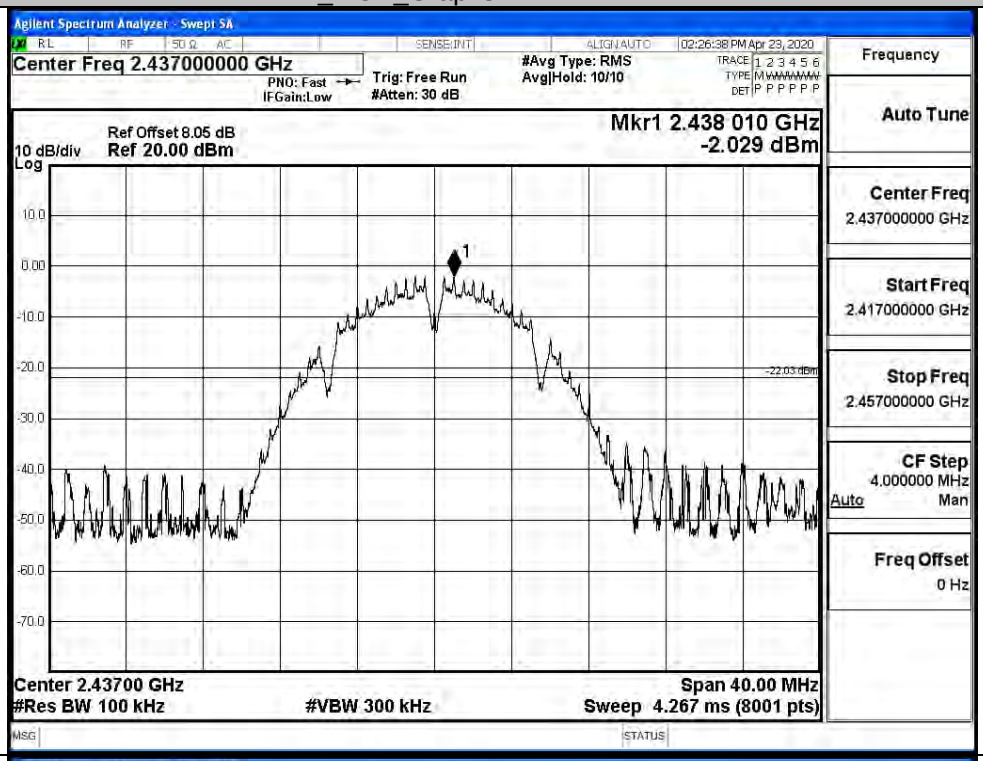
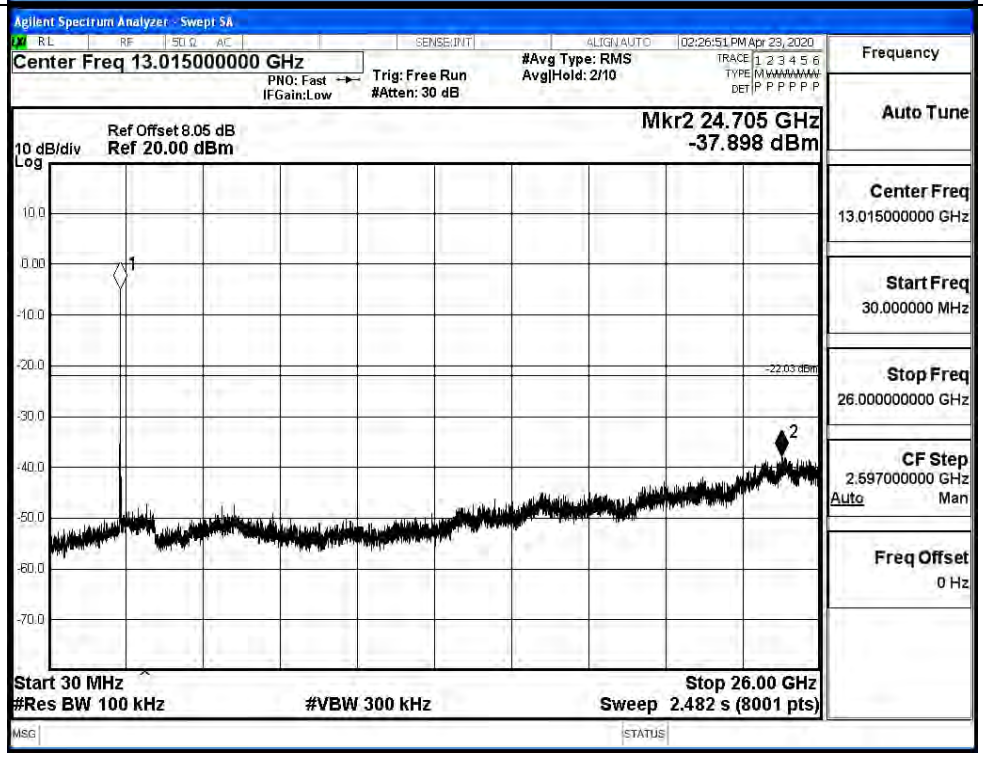
11N40SISO/HCH	

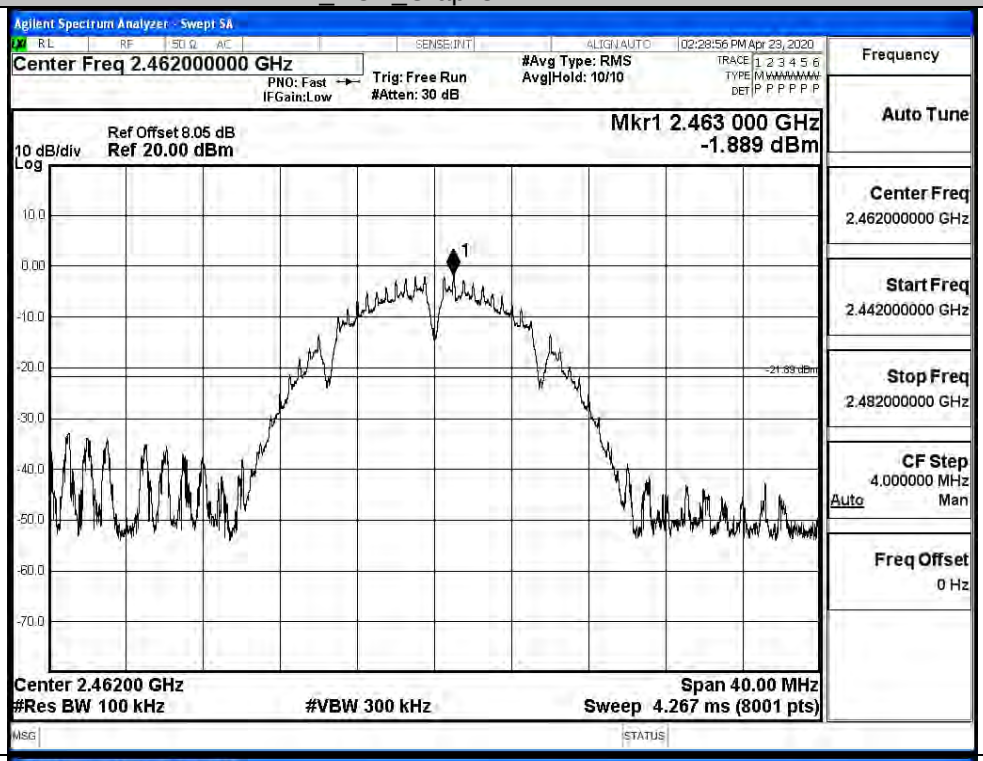
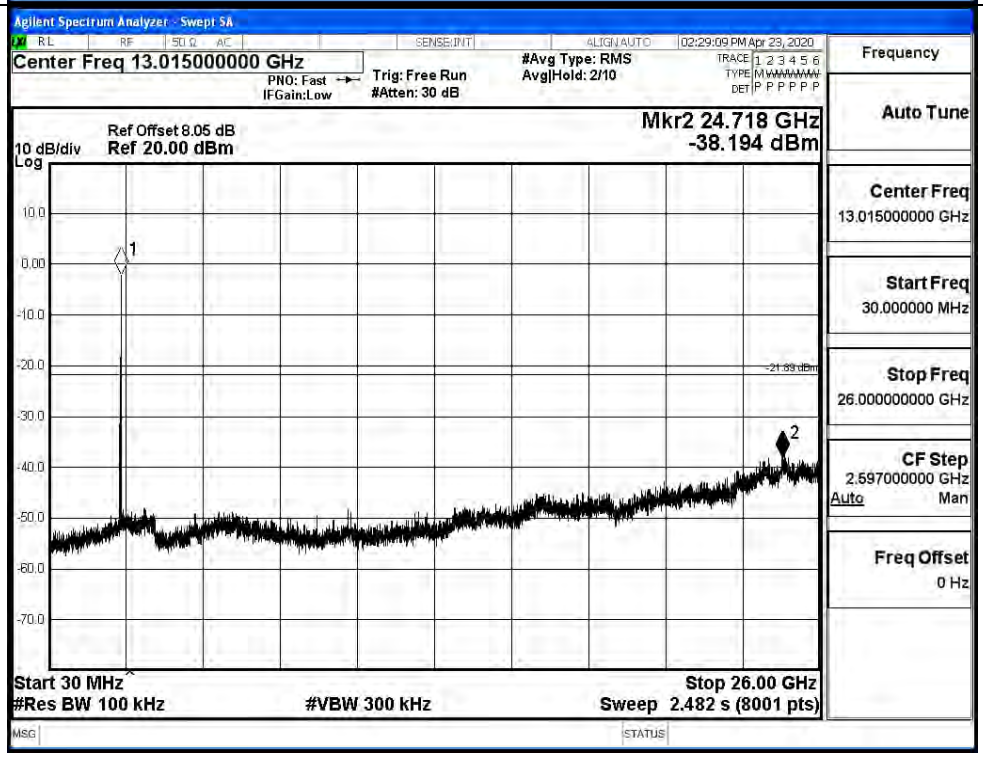
C.5 RF Conducted Spurious Emissions

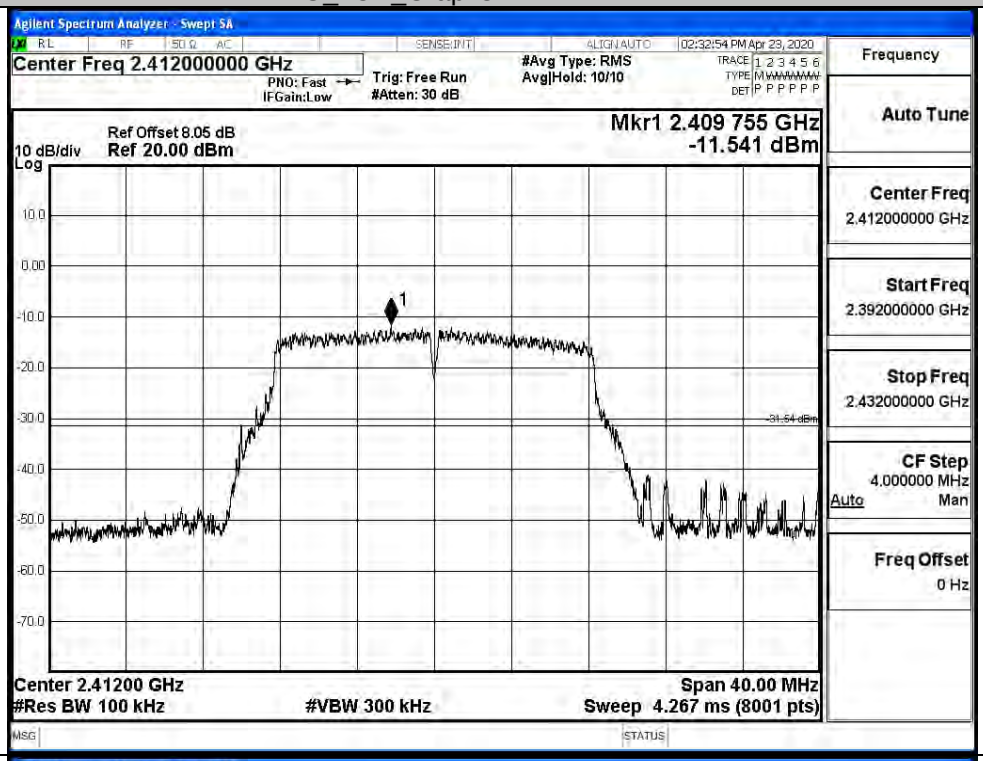
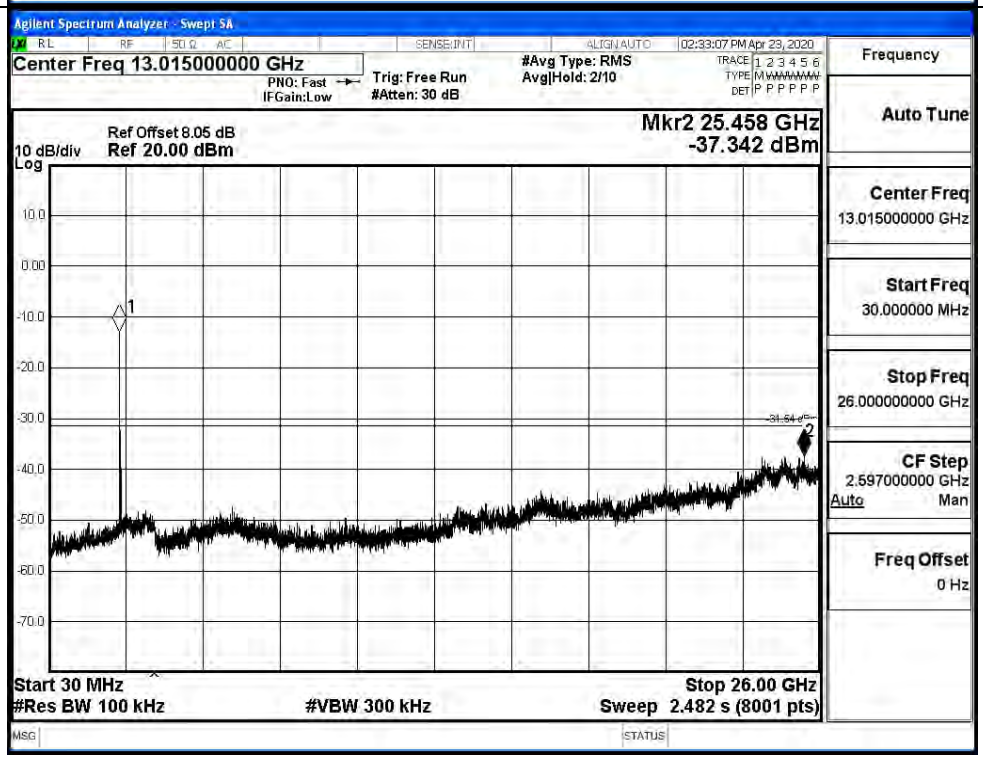
ANT0

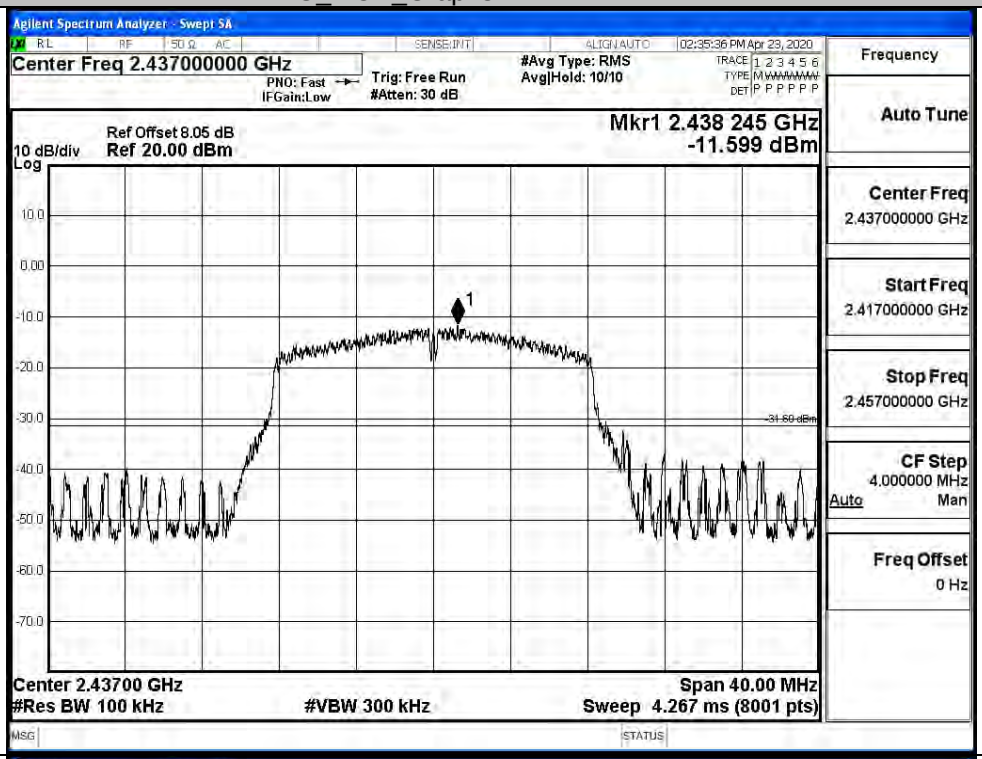
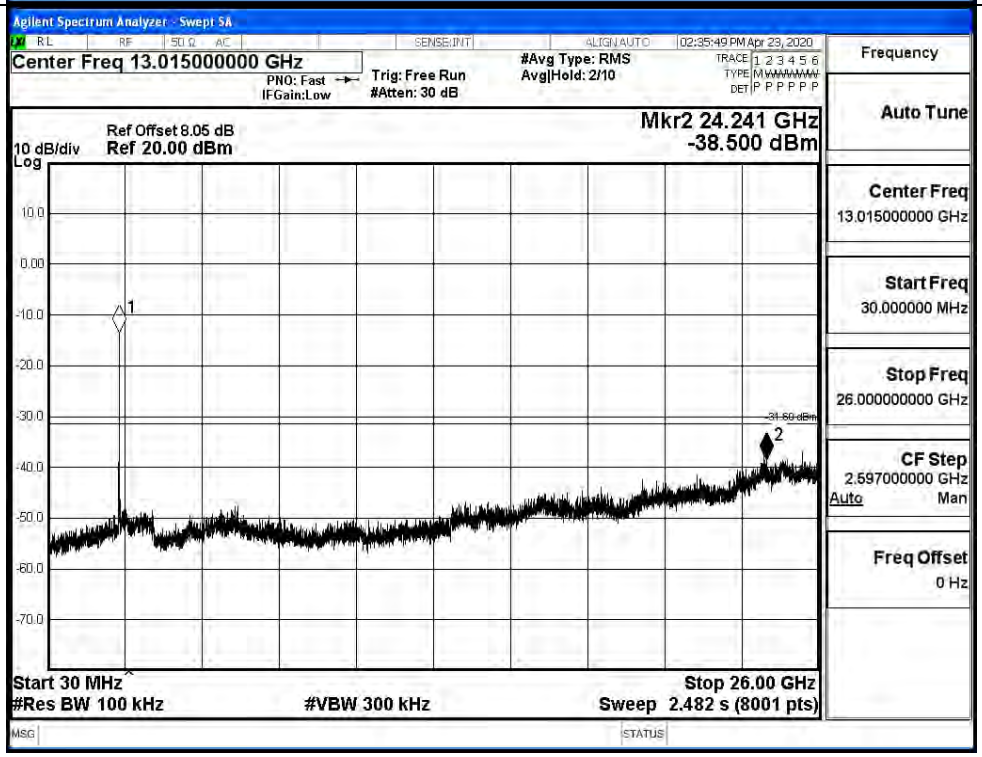
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.237	-37.866	-22.237	PASS
	MCH	-2.029	-37.898	-22.029	PASS
	HCH	-1.889	-38.194	-21.889	PASS
11G	LCH	-11.541	-37.342	-31.541	PASS
	MCH	-11.599	-38.500	-31.599	PASS
	HCH	-11.985	-37.510	-31.985	PASS
11N20 SISO	LCH	-12.456	-37.887	-32.456	PASS
	MCH	-11.957	-38.049	-31.957	PASS
	HCH	-12.052	-38.047	-32.052	PASS
11N40 SISO	LCH	-15.05	-37.767	-35.050	PASS
	MCH	-13.258	-37.109	-33.258	PASS
	HCH	-14.41	-38.322	-34.410	PASS

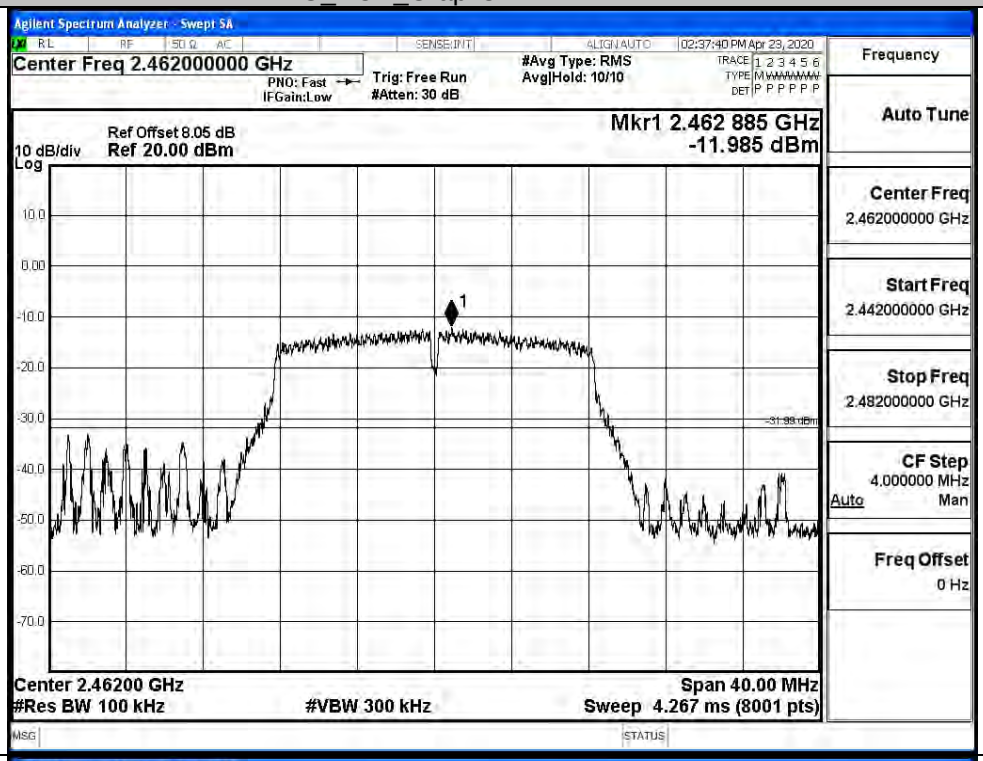
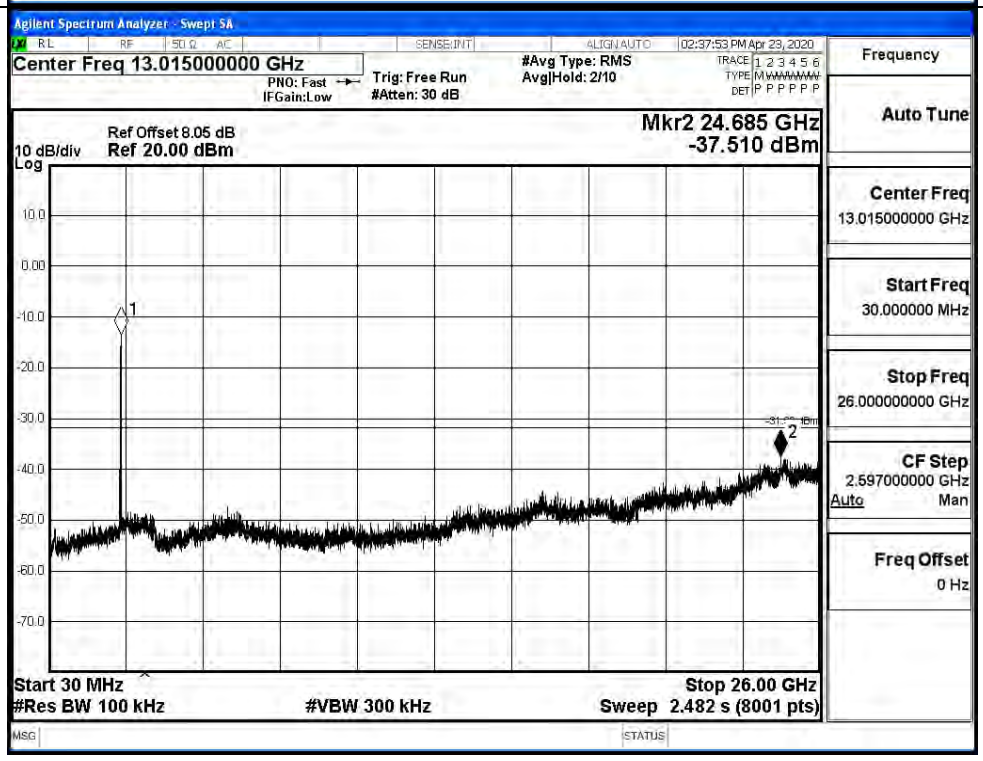
11B_LCH_Graphs	
Pref/11B/LCH	
Puw/11B/LCH	

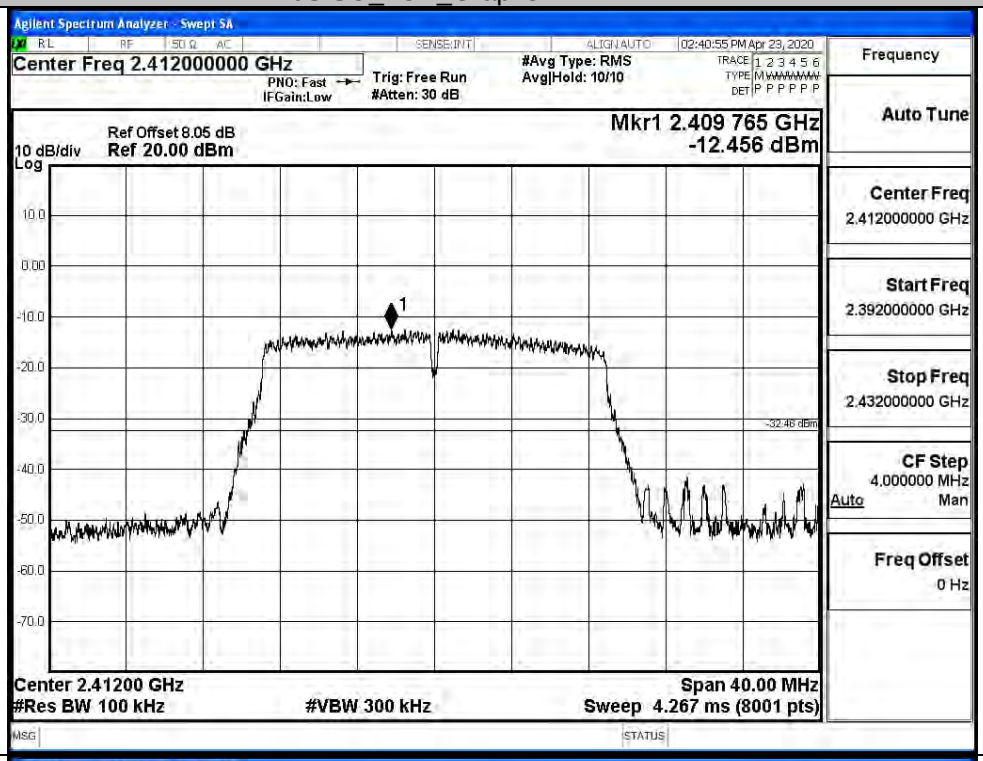
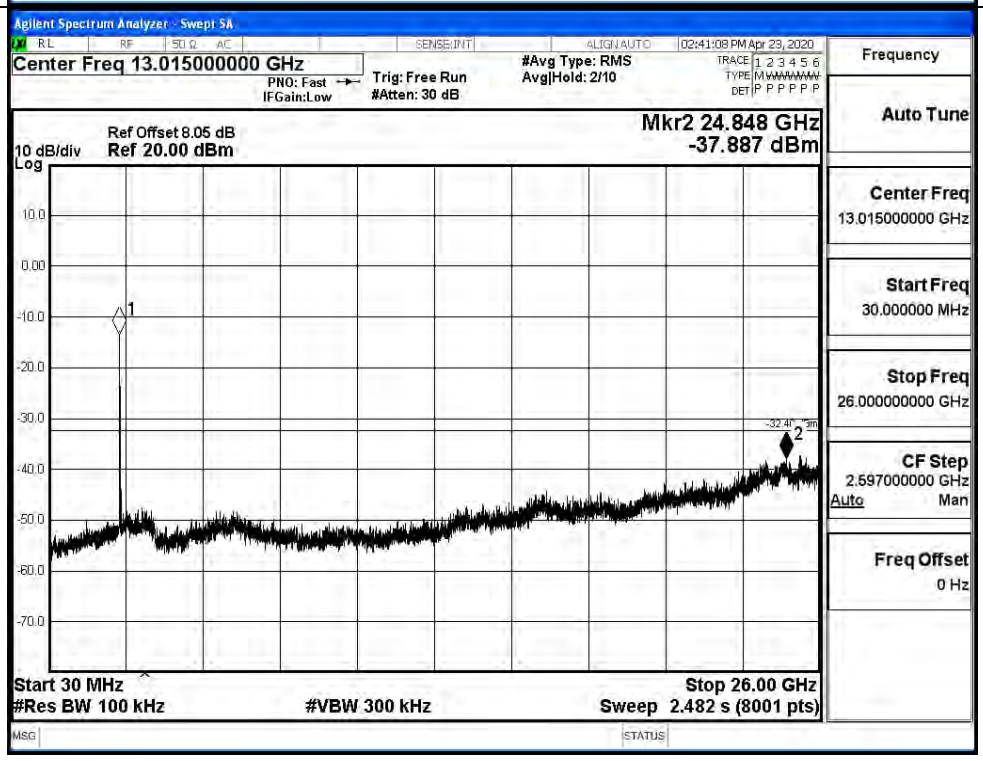
11B_MCH_Graphs	
Pref/11B/MCH	
Puw/11B/MCH	

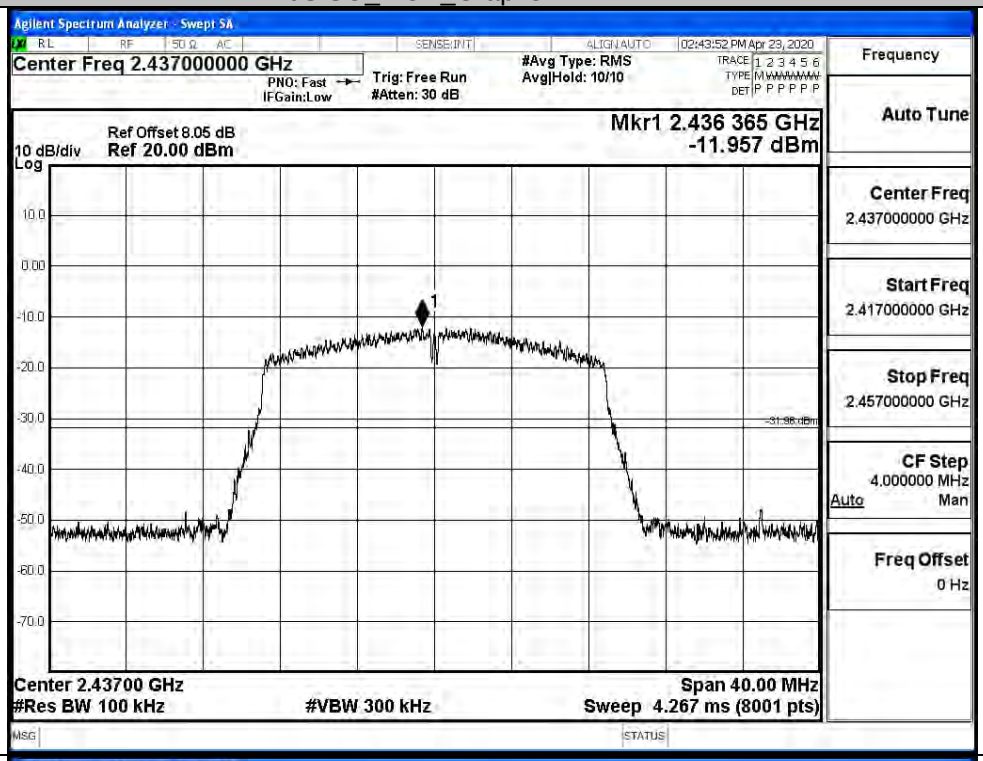
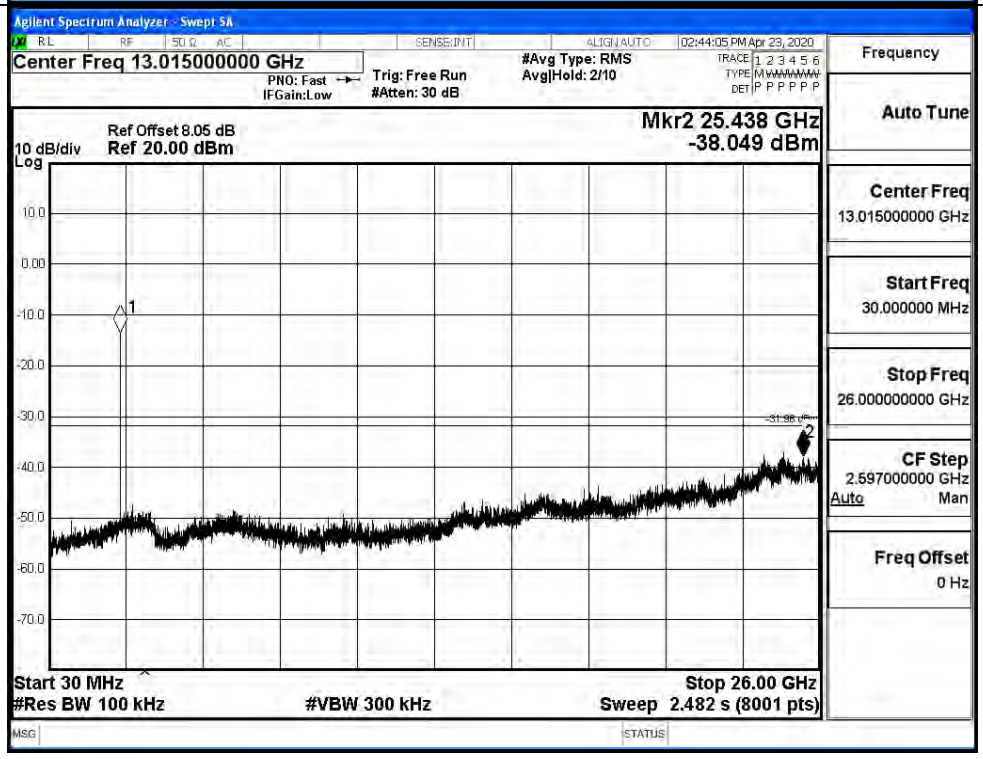
11B_HCH_Graphs	
Pref/11B/HCH	
Puw/11B/HCH	

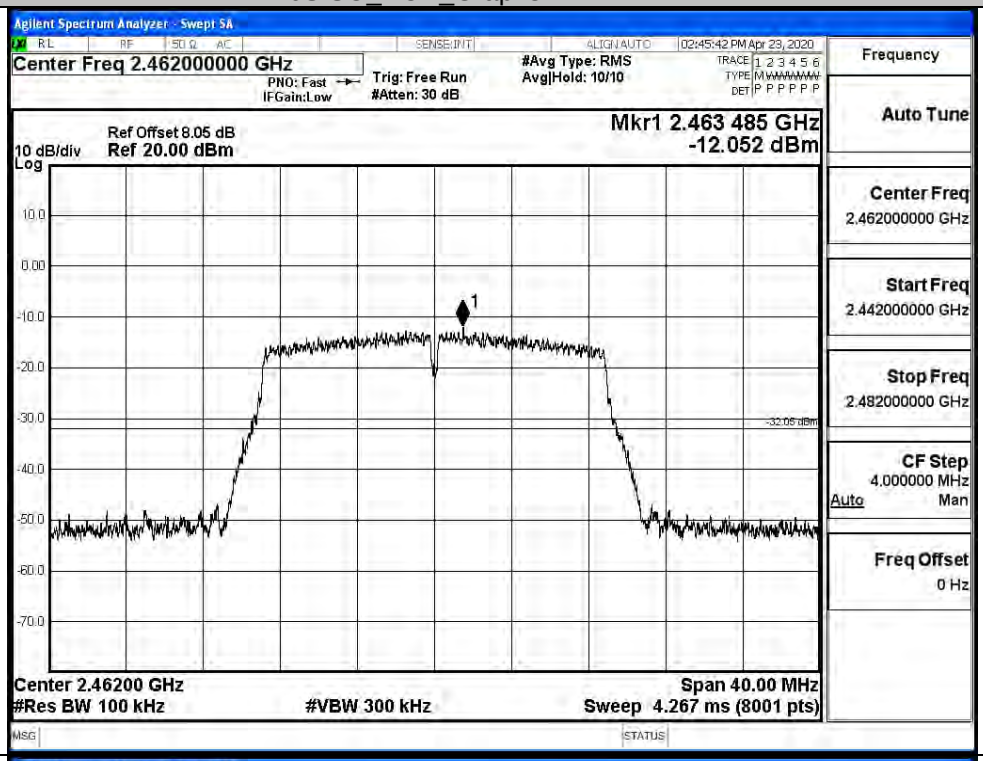
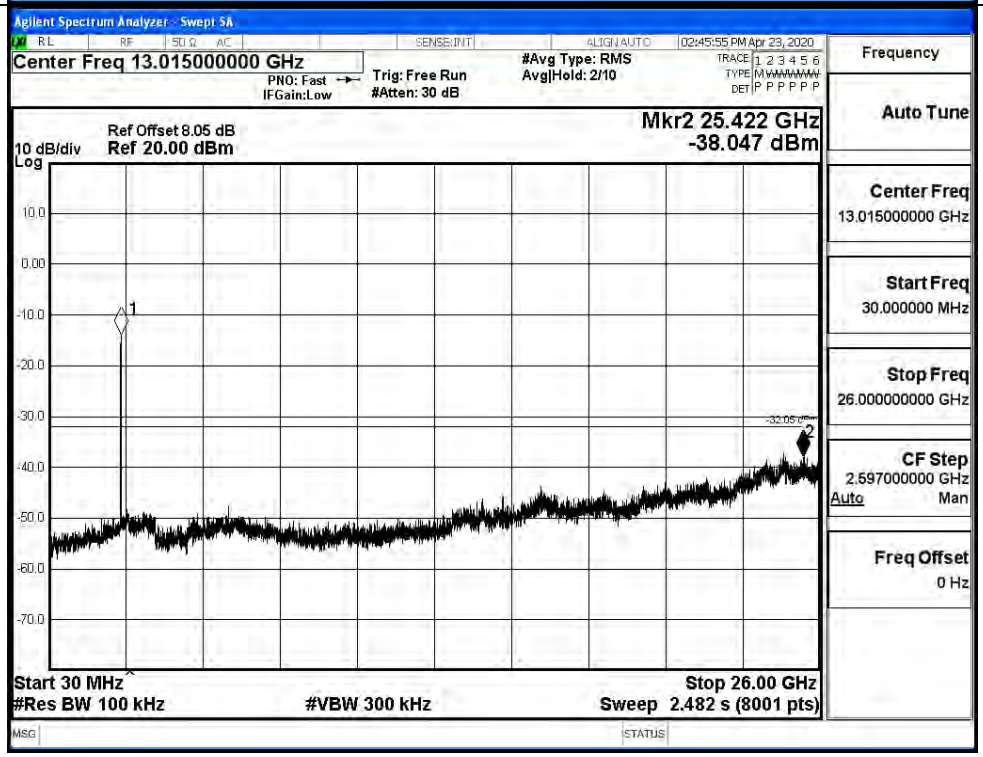
11G_LCH_Graphs	
Pref/11G/LCH	
Puw/11G/LCH	

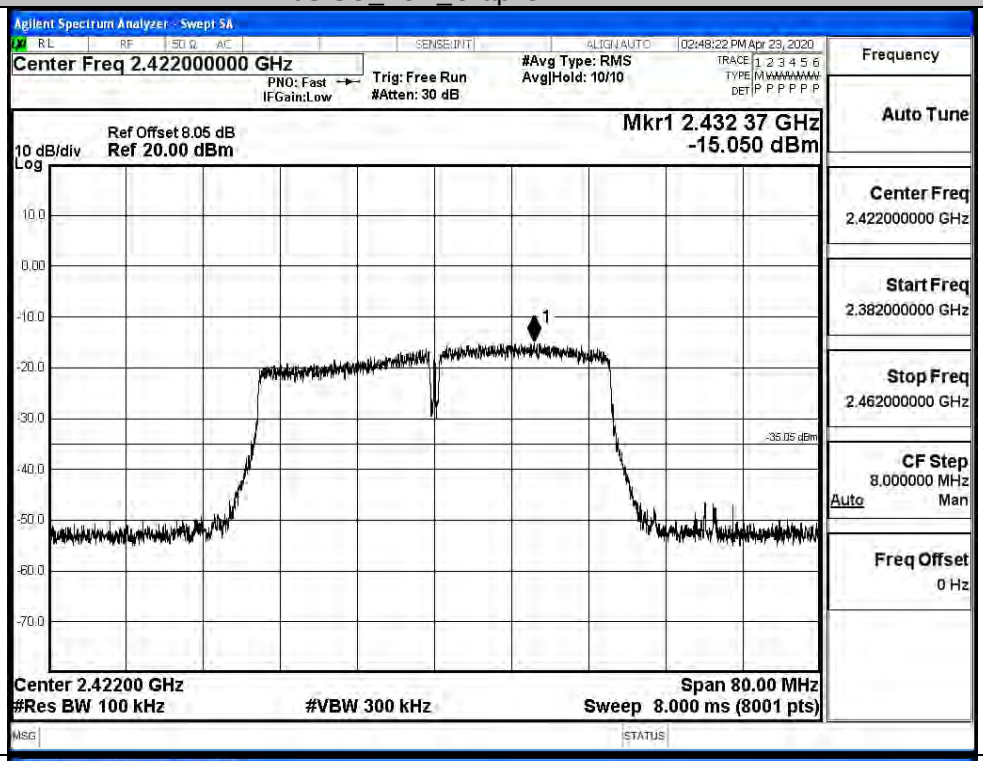
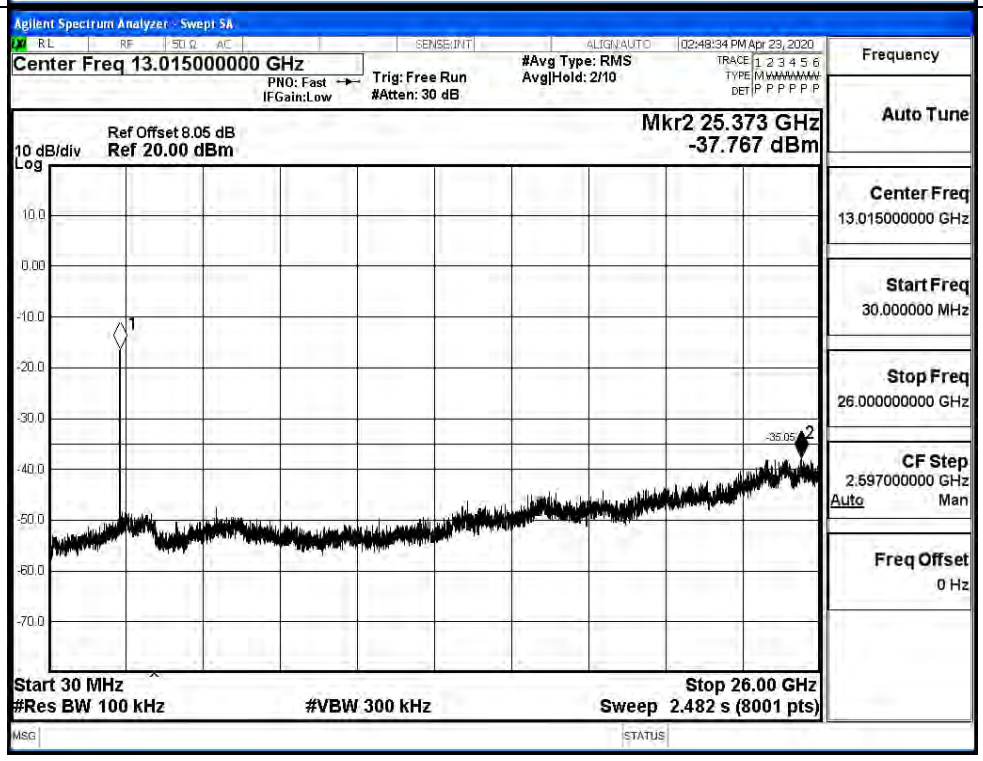
11G_MCH_Graphs	
Pref/11G/MCH	
Puw/11G/MCH	

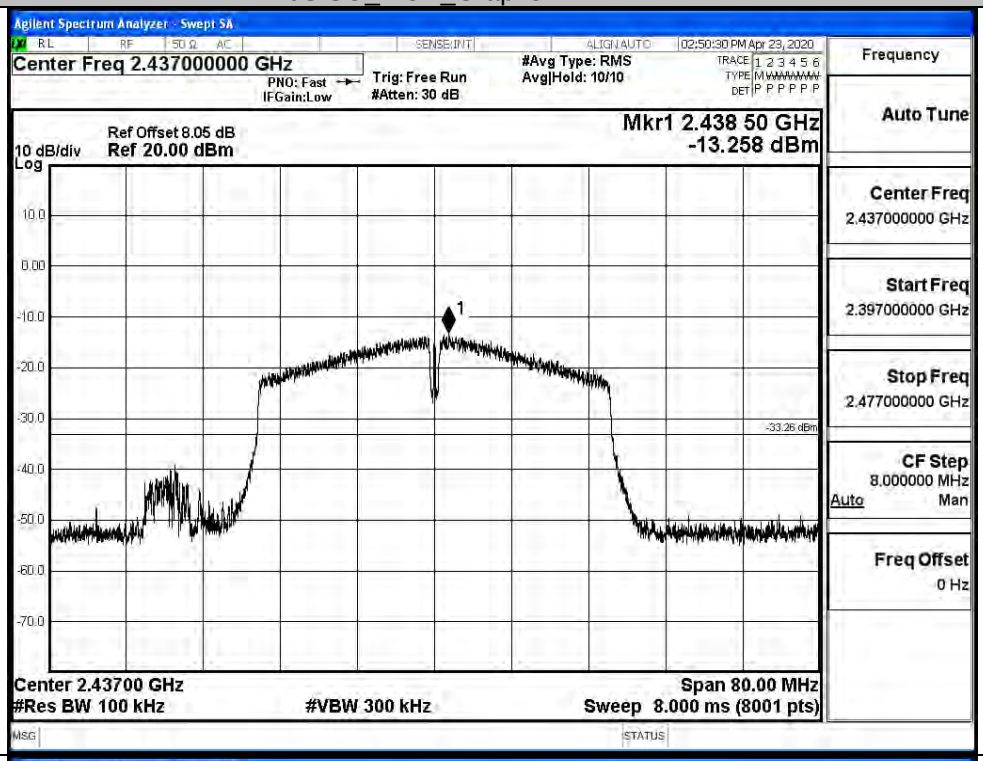
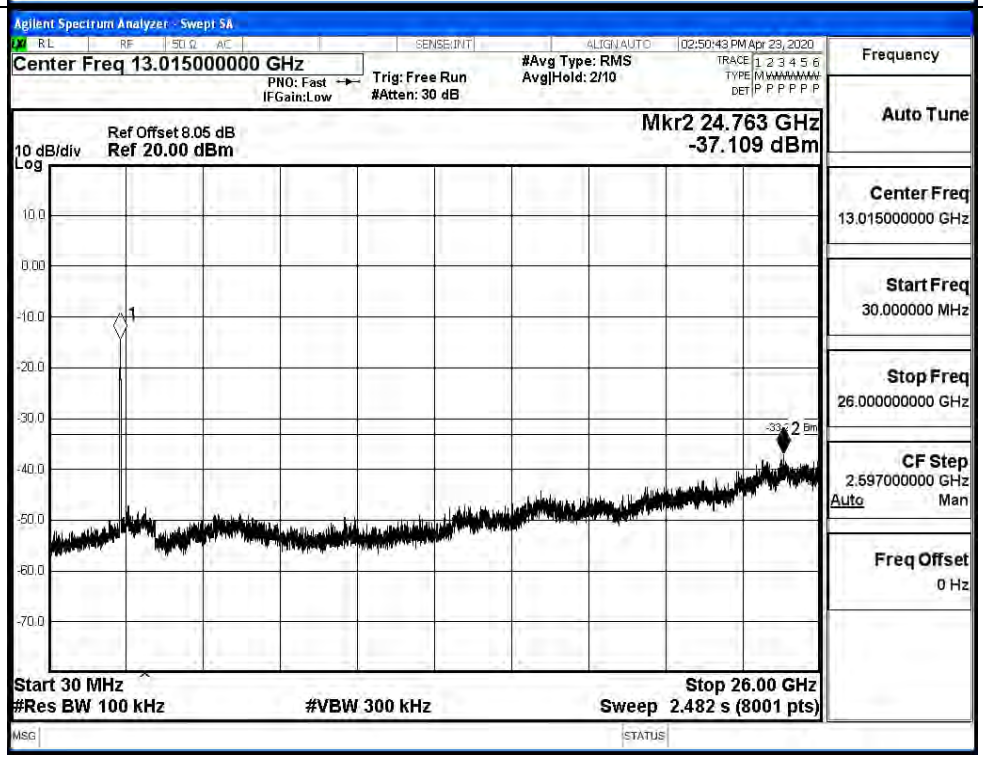
11G_HCH_Graphs	
Pref/11G/HCH	
Puw/11G/HCH	

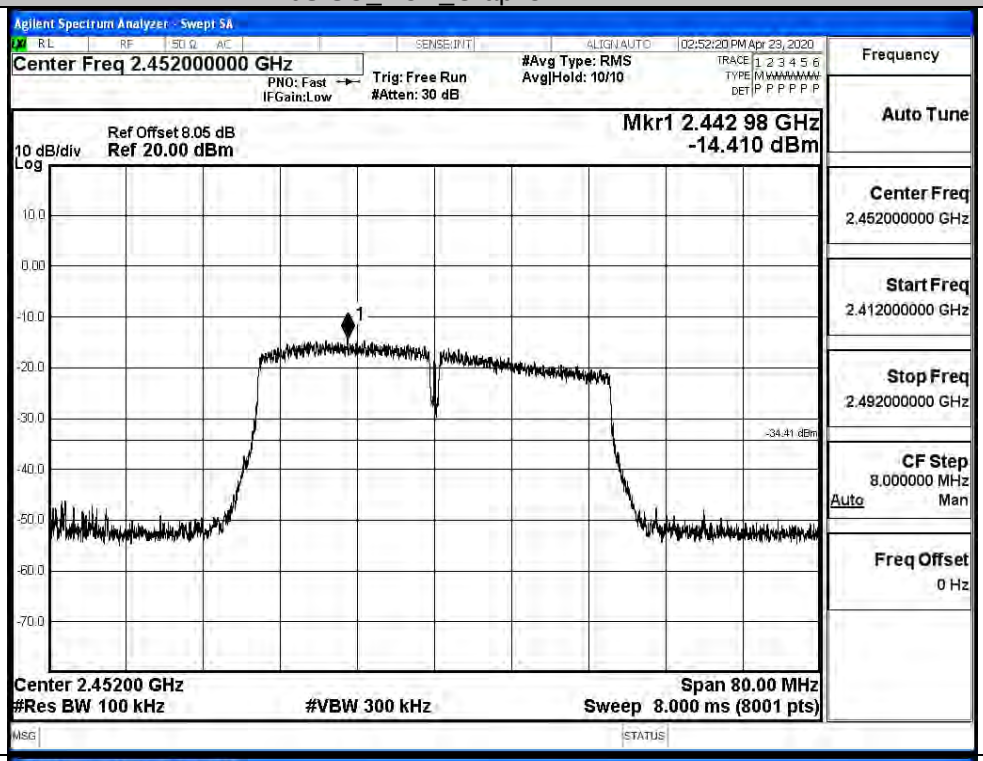
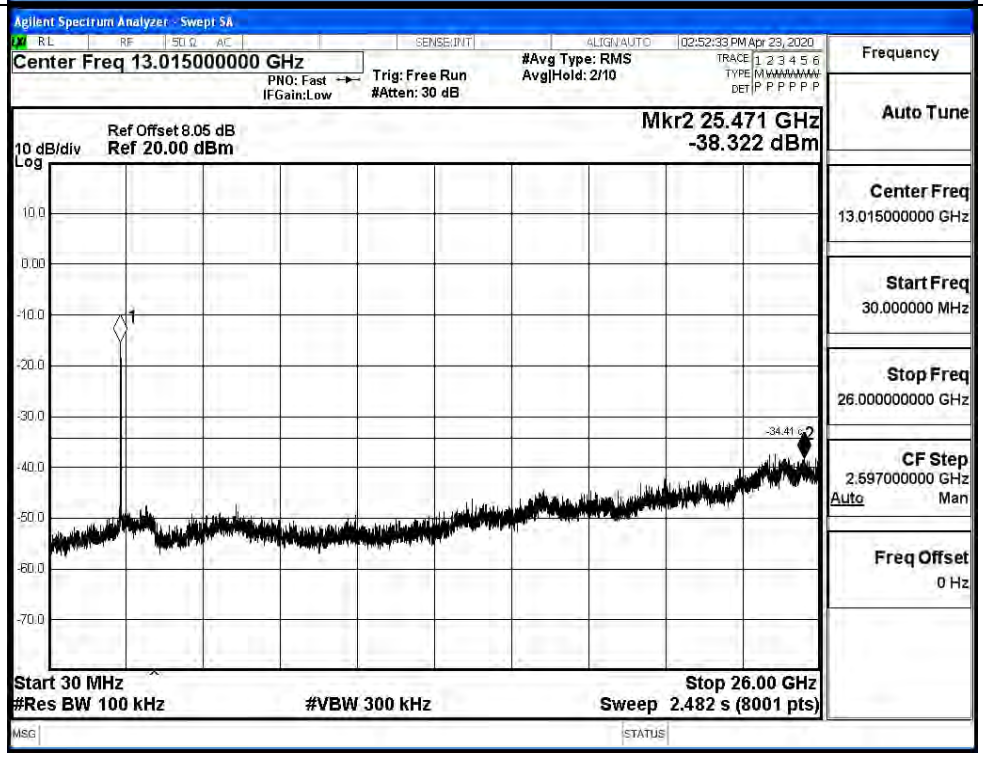
11N20SISO_LCH_Graphs	
Pref/11N20SISO/LCH	
Puw/11N20SISO/LCH	

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

11N20SISO_HCH_Graphs	
Pref/11N20 SISO/HCH	
Puw/11N20 SISO/HCH	

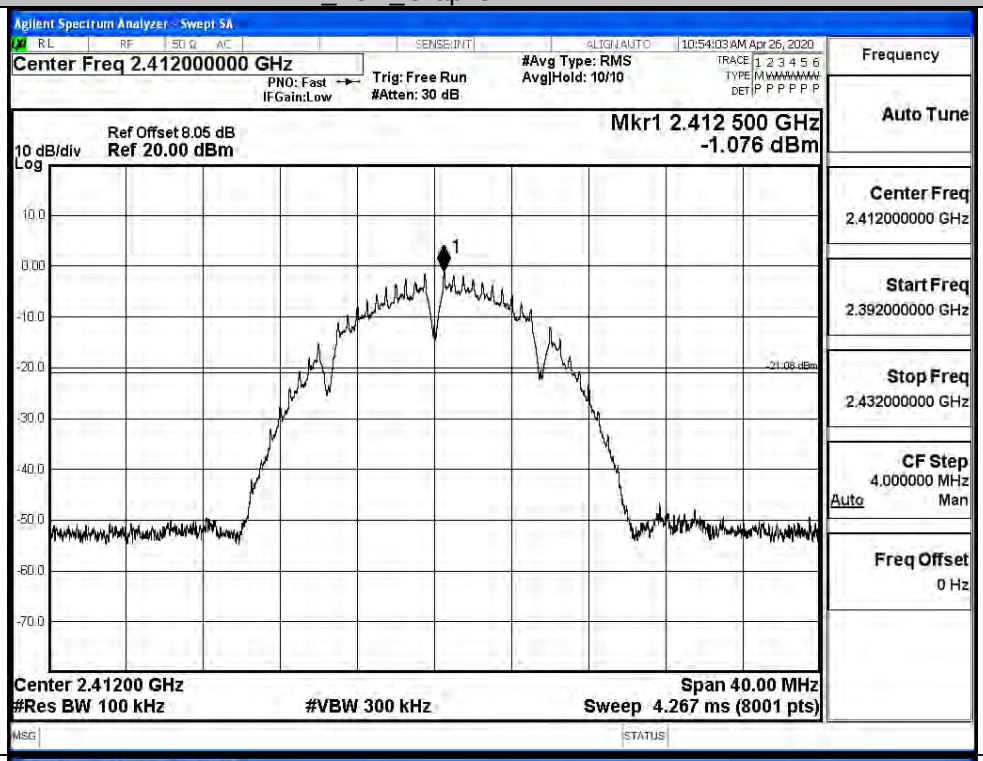
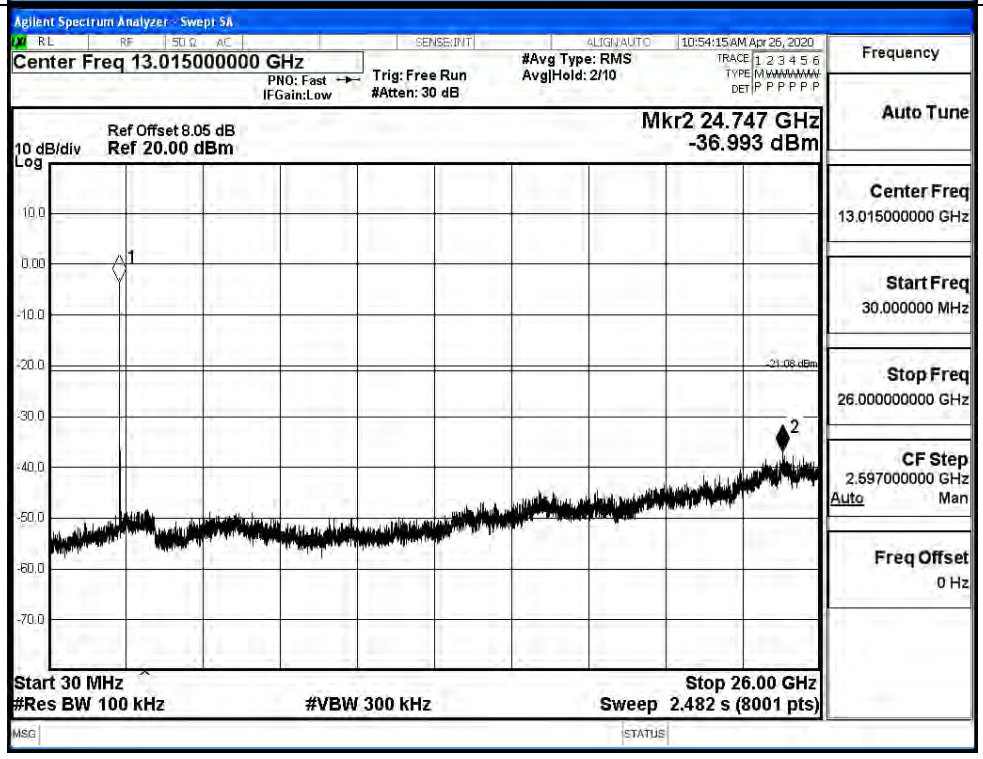
11N40SISO_LCH_Graphs	
Pref/11N40 SISO/LCH	
Puw/11N40 SISO/LCH	

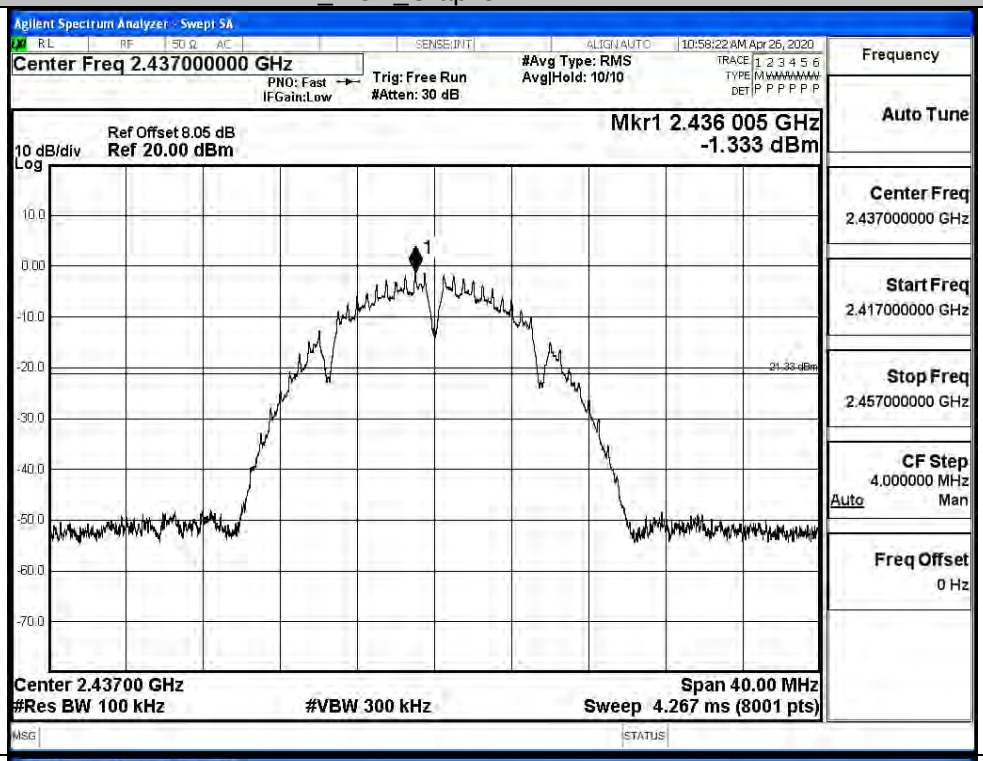
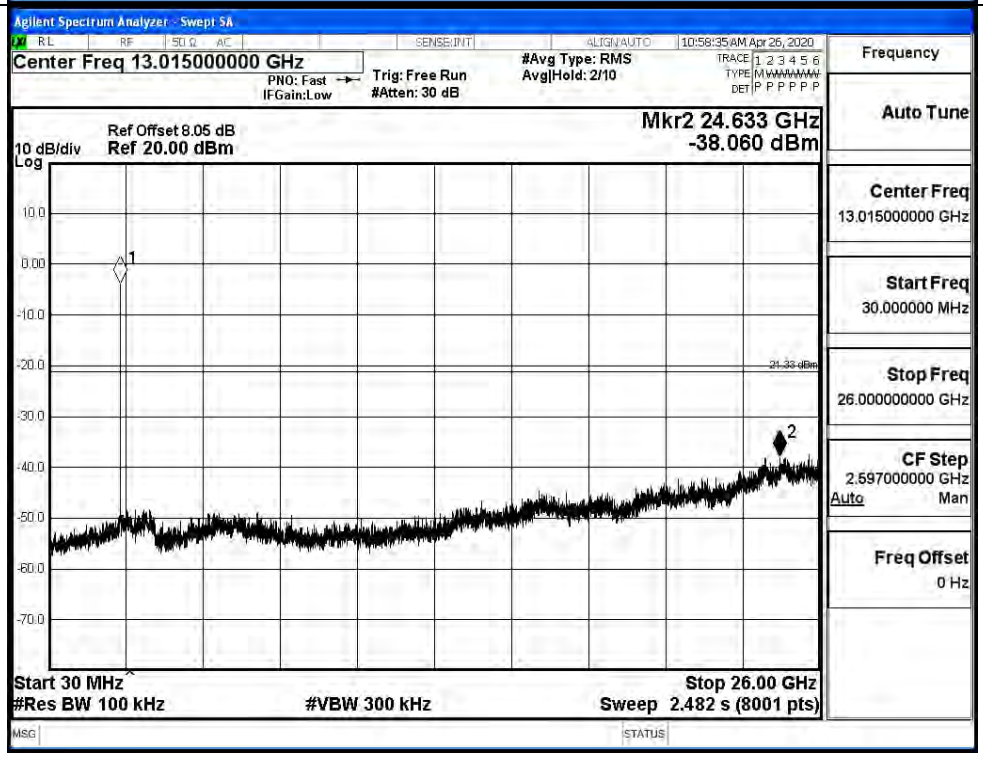
11N40SISO_MCH_Graphs	
Pref/11N40 SISO/MCH	
Puw/11N40 SISO/MCH	

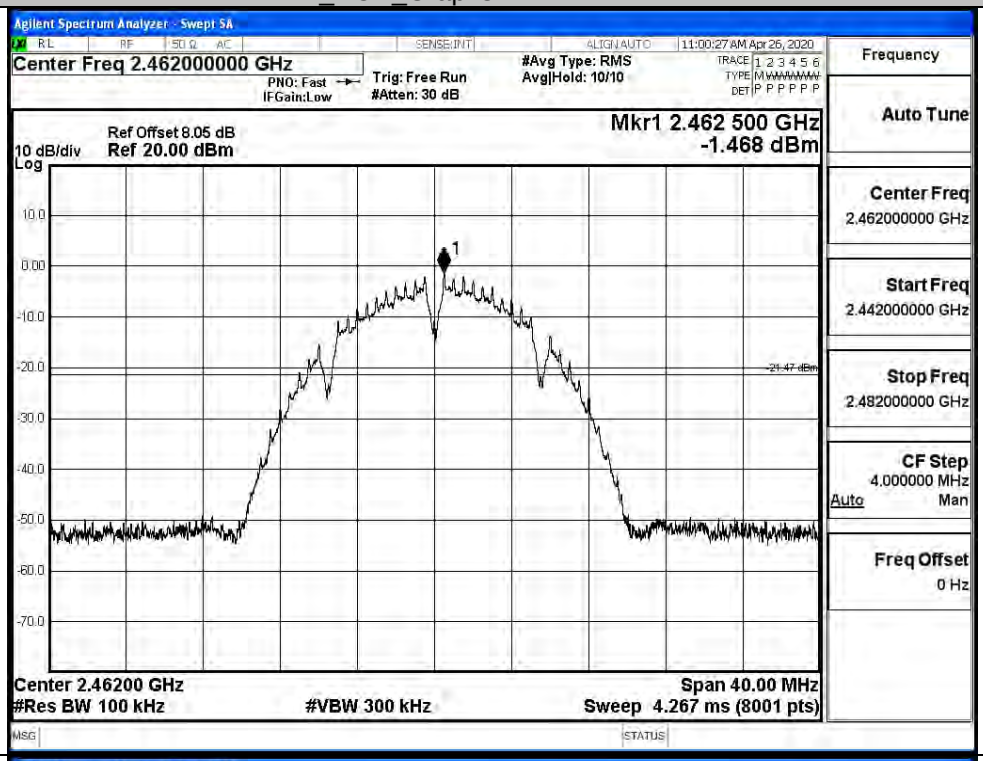
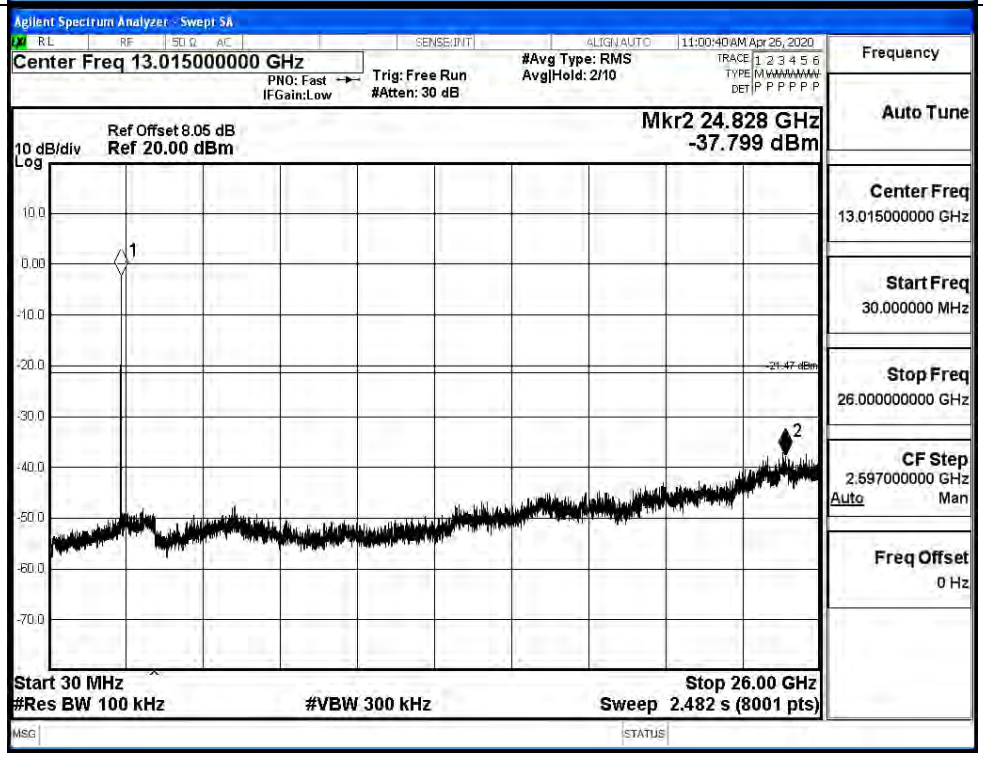
11N40SISO_HCH_Graphs	
Pref/11N40 SISO/HCH	
Puw/11N40 SISO/HCH	

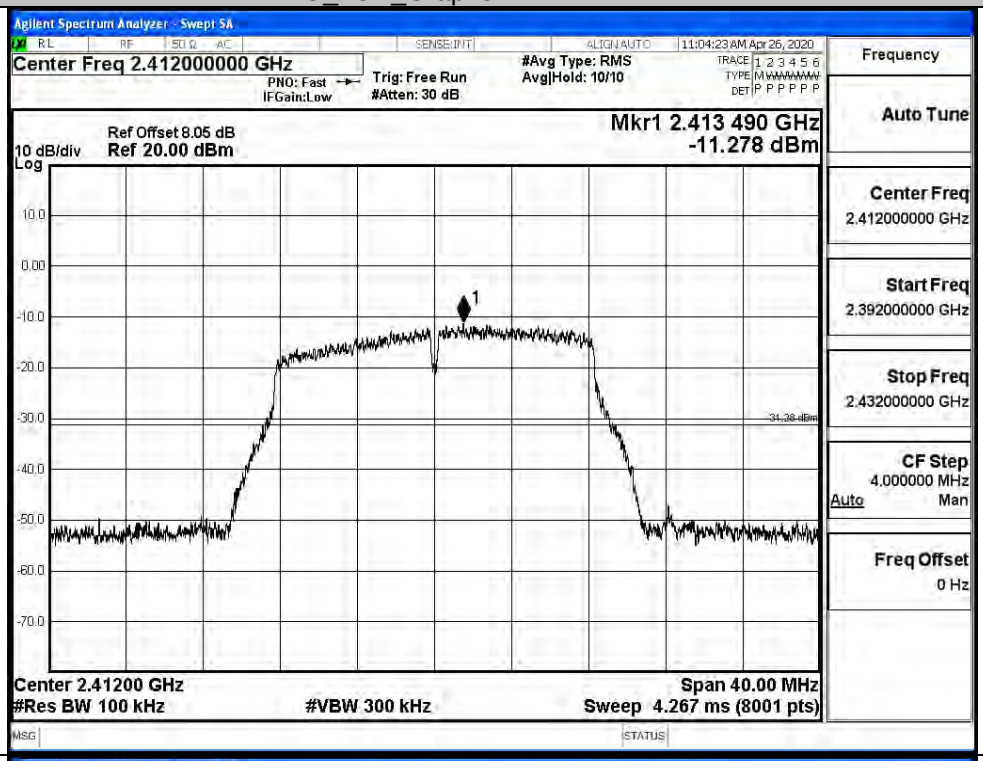
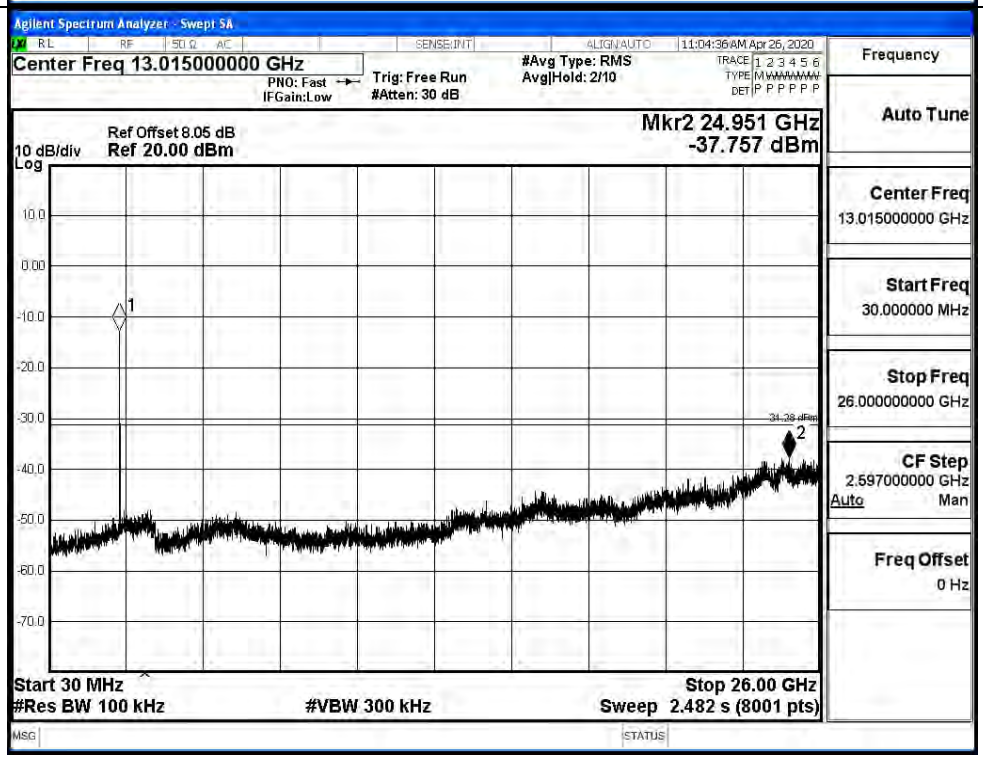
ANT1

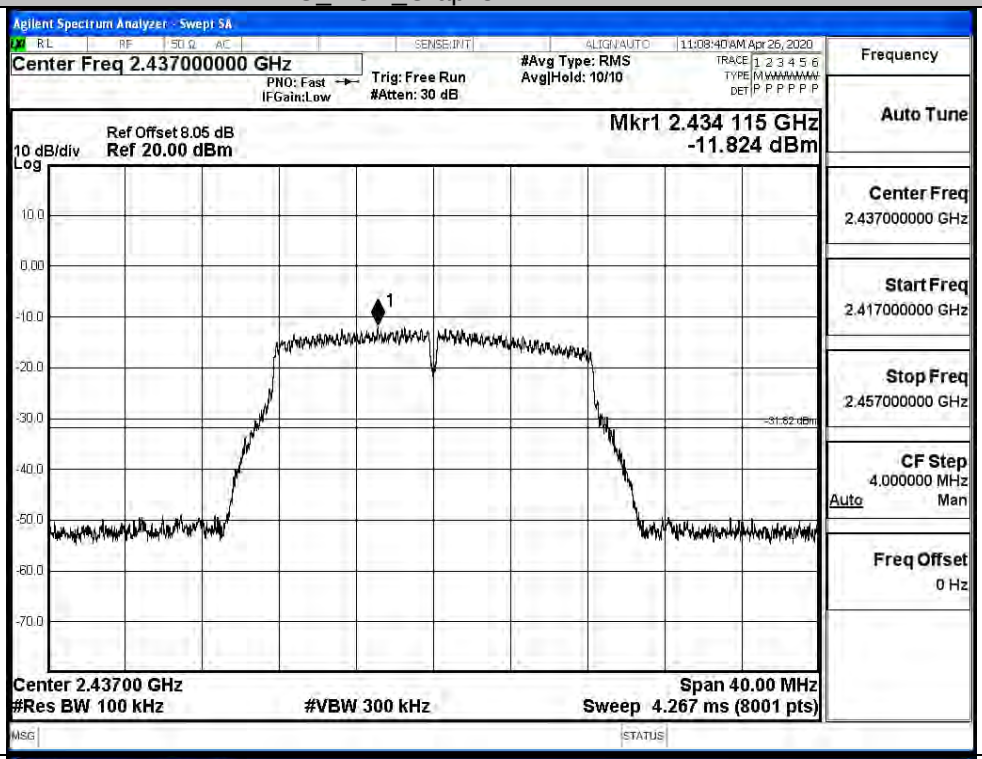
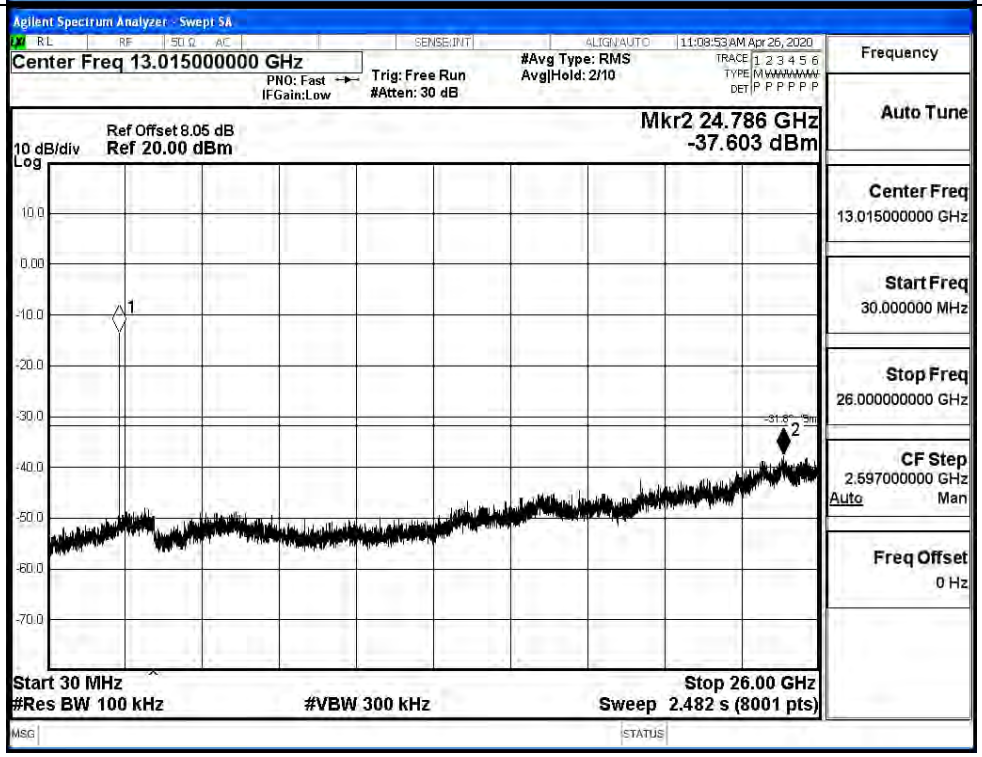
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-1.076	-36.993	-21.076	PASS
	MCH	-1.333	-38.060	-21.333	PASS
	HCH	-1.468	-37.799	-21.468	PASS
11G	LCH	-11.278	-37.757	-31.278	PASS
	MCH	-11.824	-37.603	-31.824	PASS
	HCH	-11.09	-38.355	-31.090	PASS
11N20 SISO	LCH	-11.658	-37.759	-31.658	PASS
	MCH	-13.571	-37.813	-33.571	PASS
	HCH	-11.144	-37.919	-31.144	PASS
11N40 SISO	LCH	-12.901	-38.362	-32.901	PASS
	MCH	-14.671	-37.070	-34.671	PASS
	HCH	-14.762	-37.356	-34.762	PASS

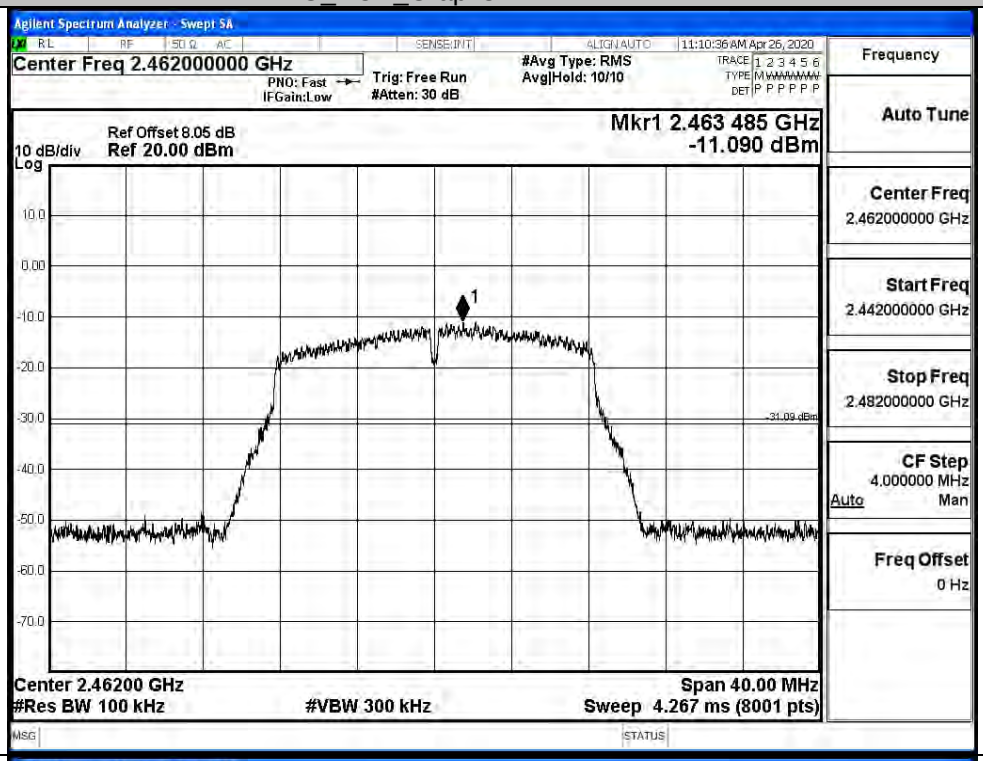
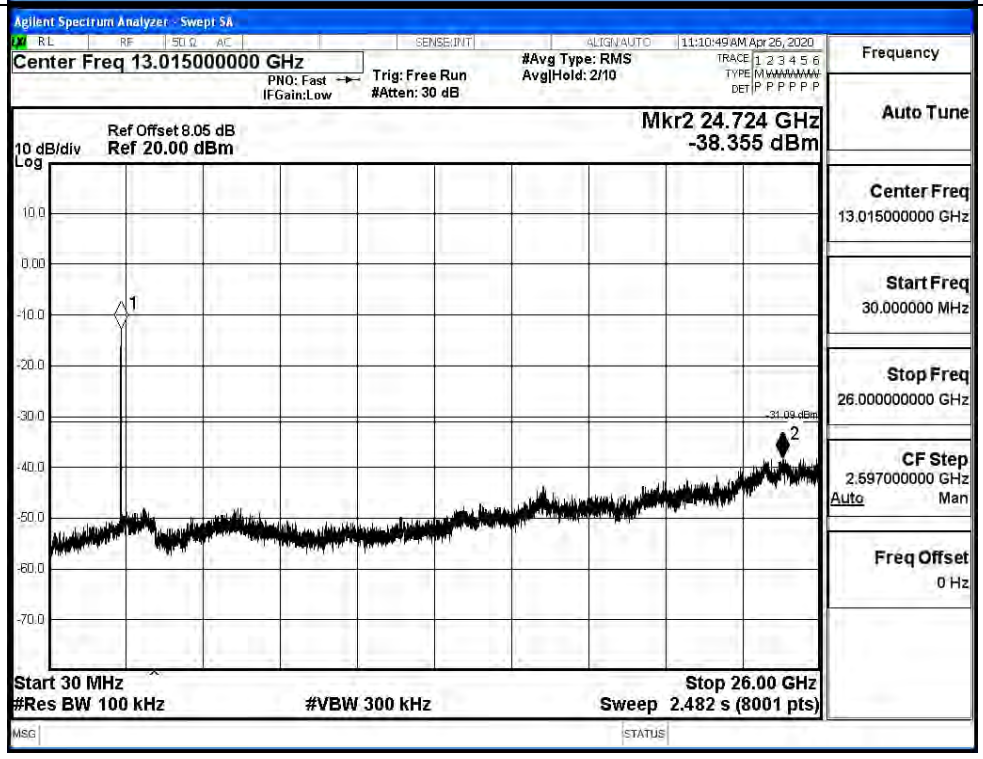
11B_LCH_Graphs	
Pref/11B/LCH	
Puw/11B/LCH	

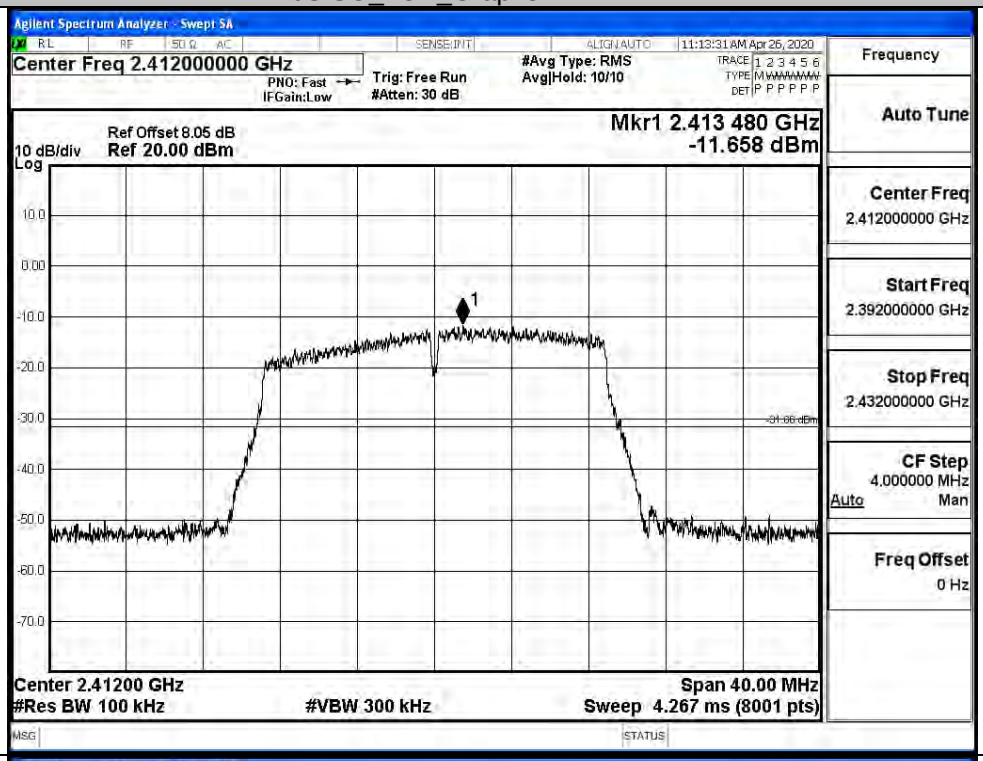
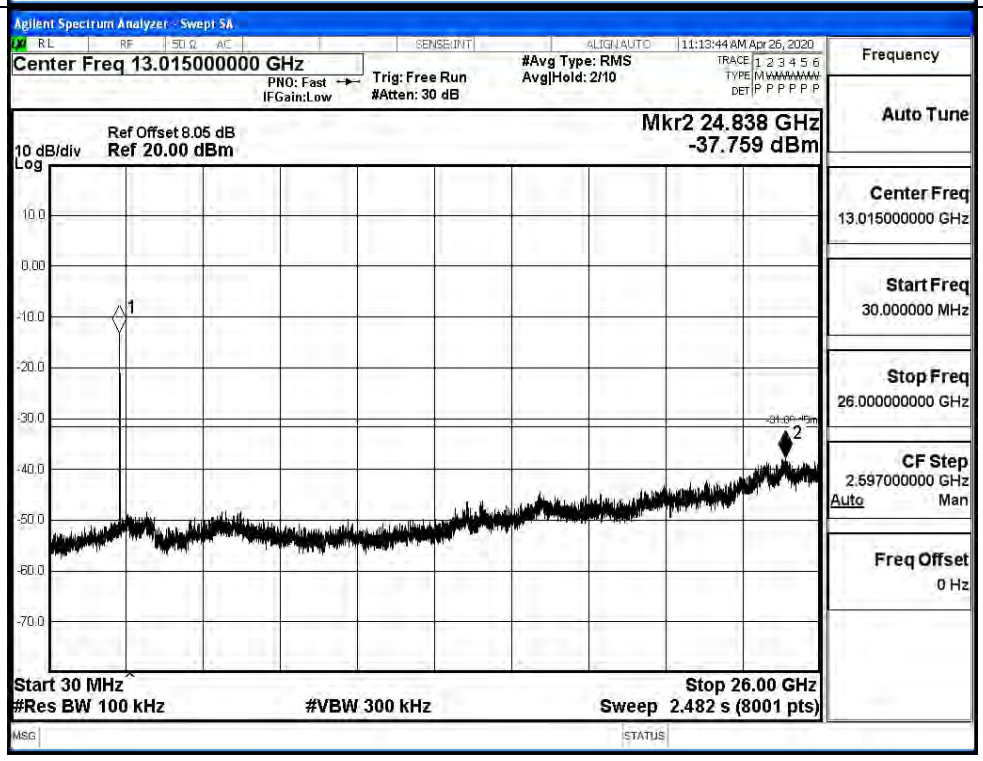
11B_MCH_Graphs	
Pref/11B/MCH	
Puw/11B/MCH	

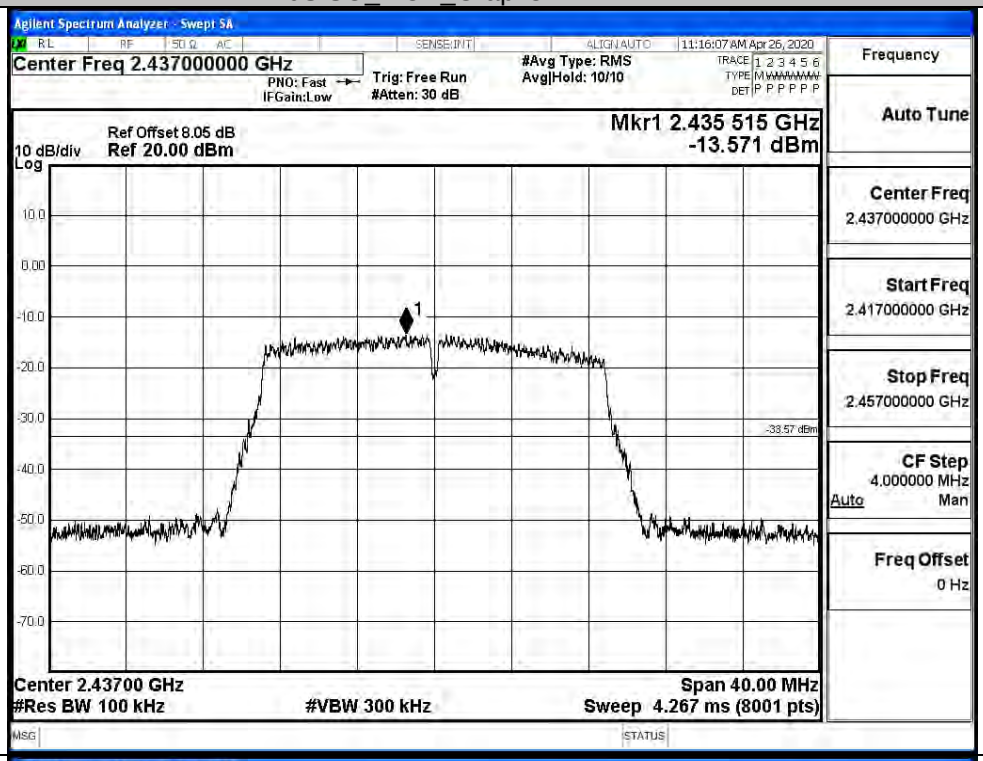
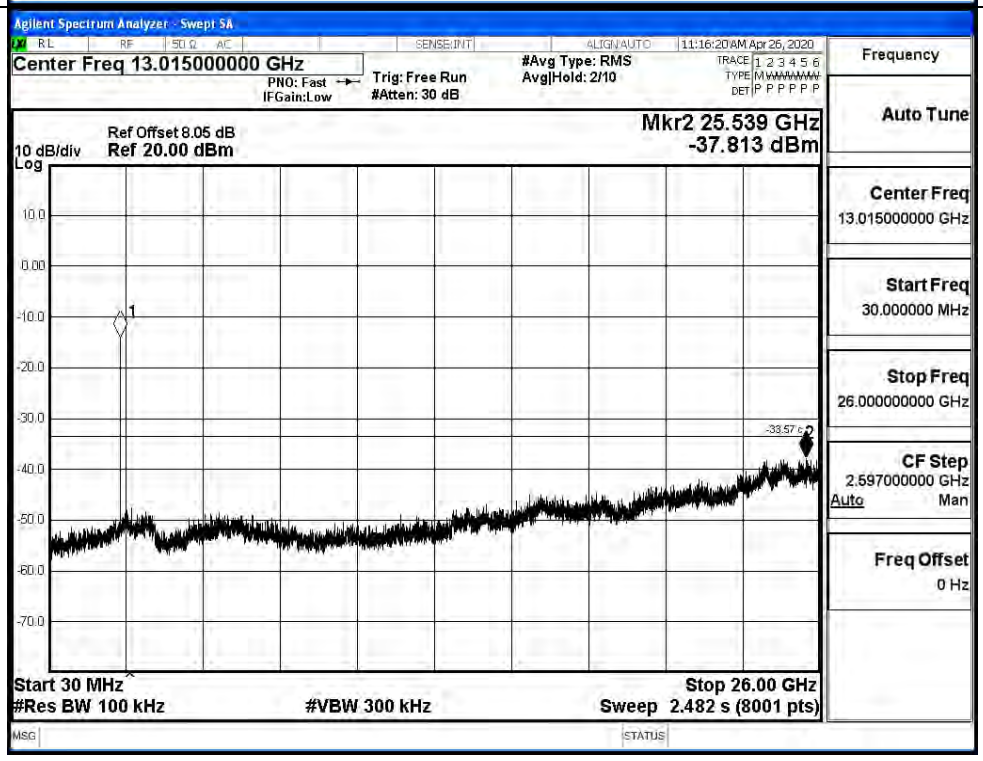
11B_HCH_Graphs	
Pref/11B/HCH	
Puw/11B/HCH	

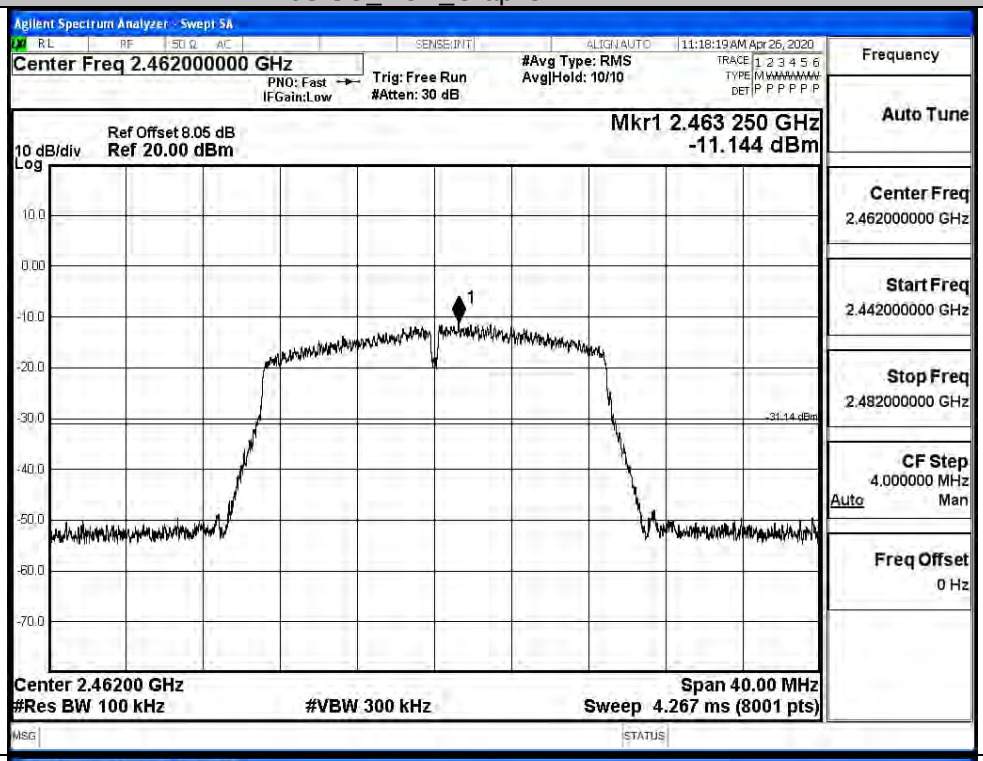
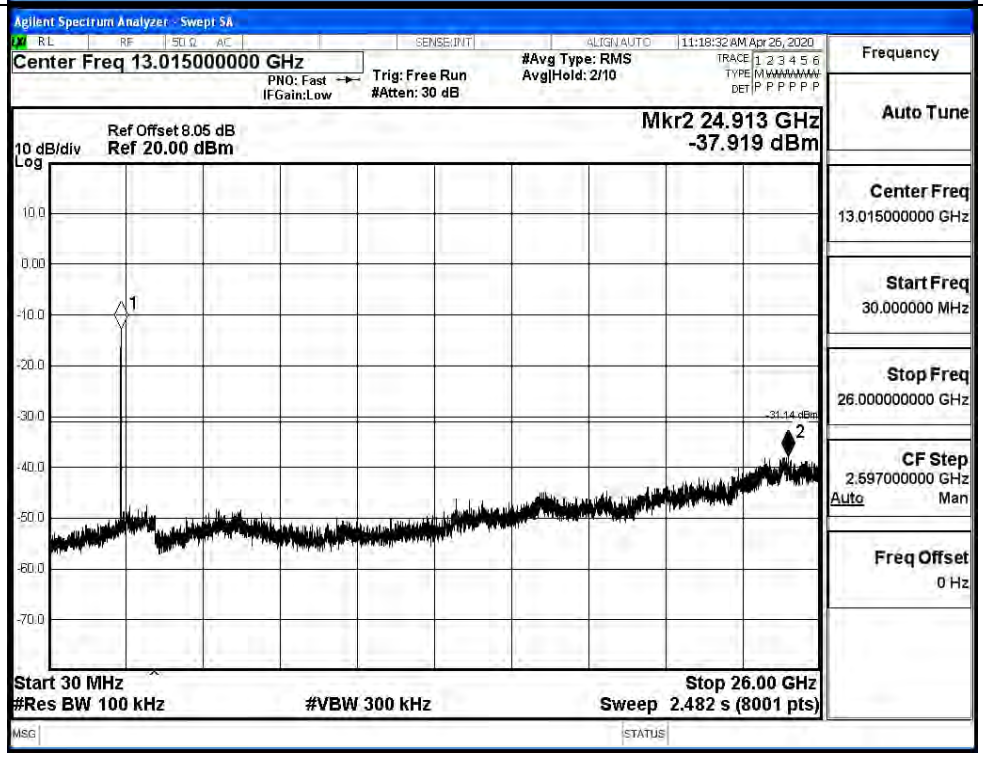
11G_LCH_Graphs	
Pref/11G/LCH	
Puw/11G/LCH	

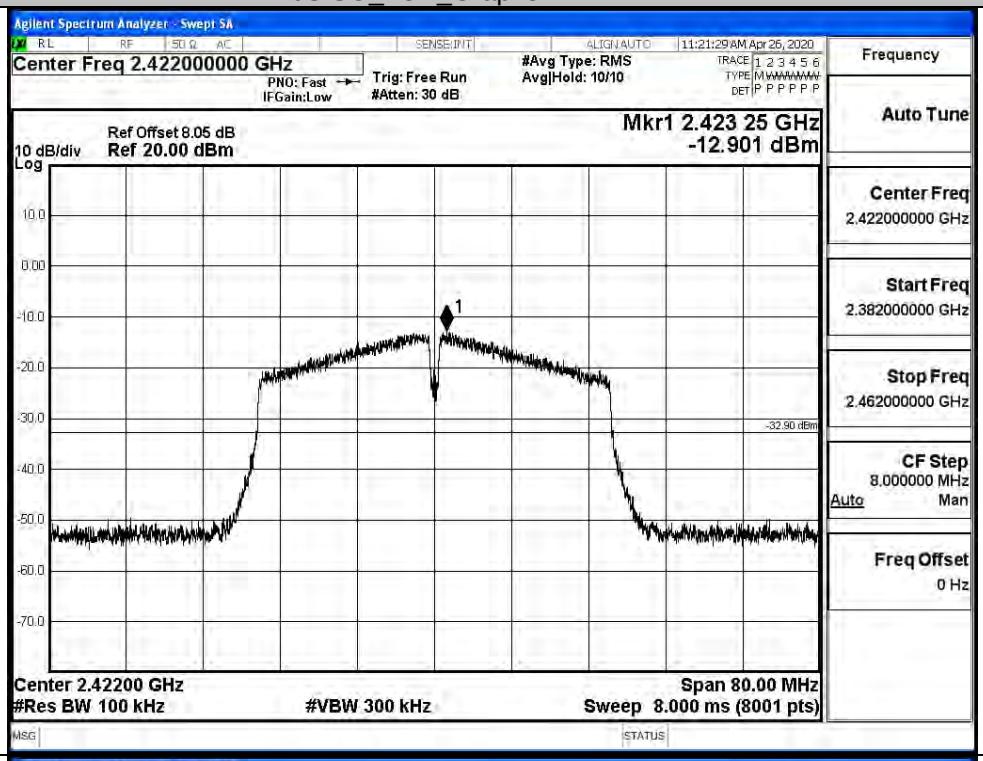
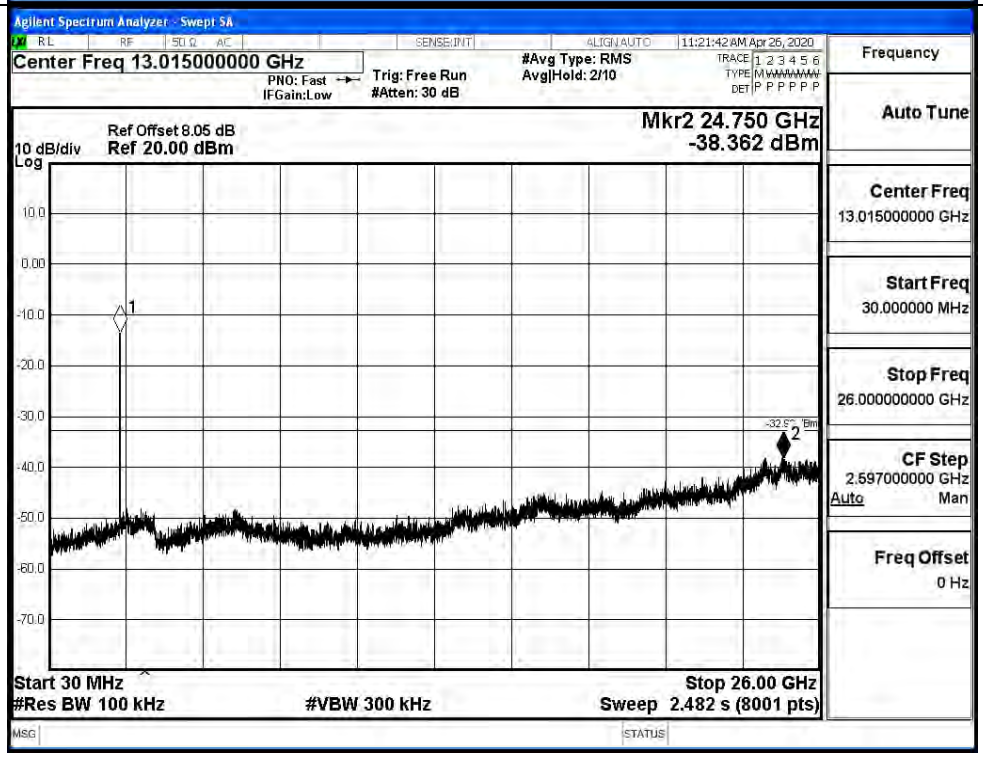
11G_MCH_Graphs	
Pref/11G/MCH	
Puw/11G/MCH	

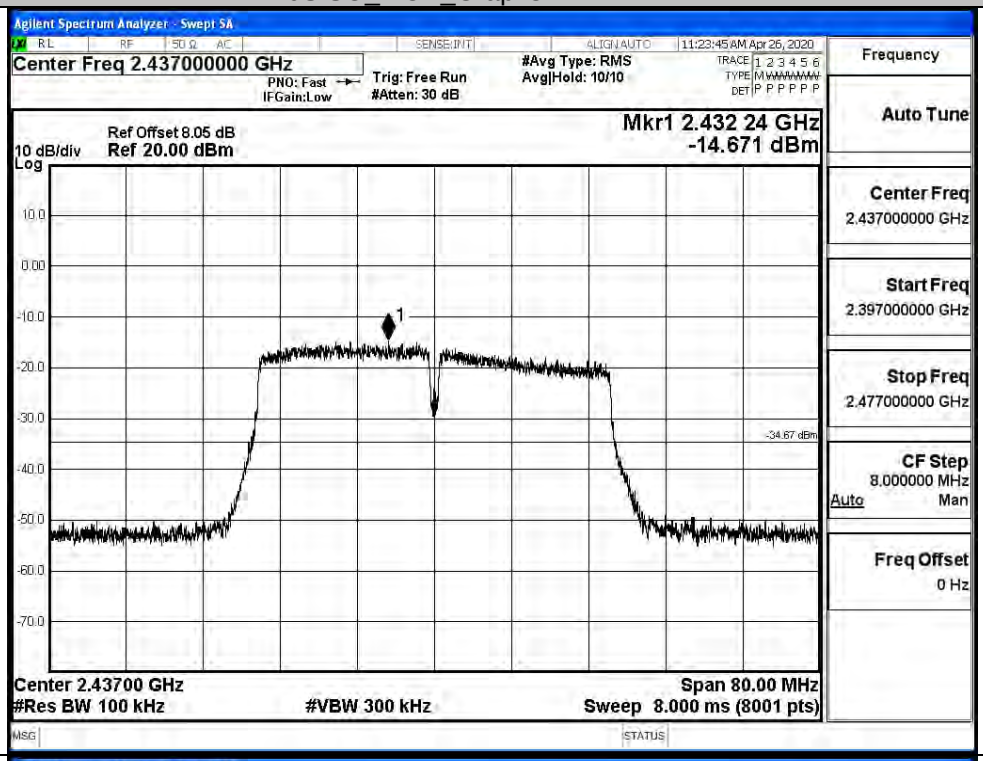
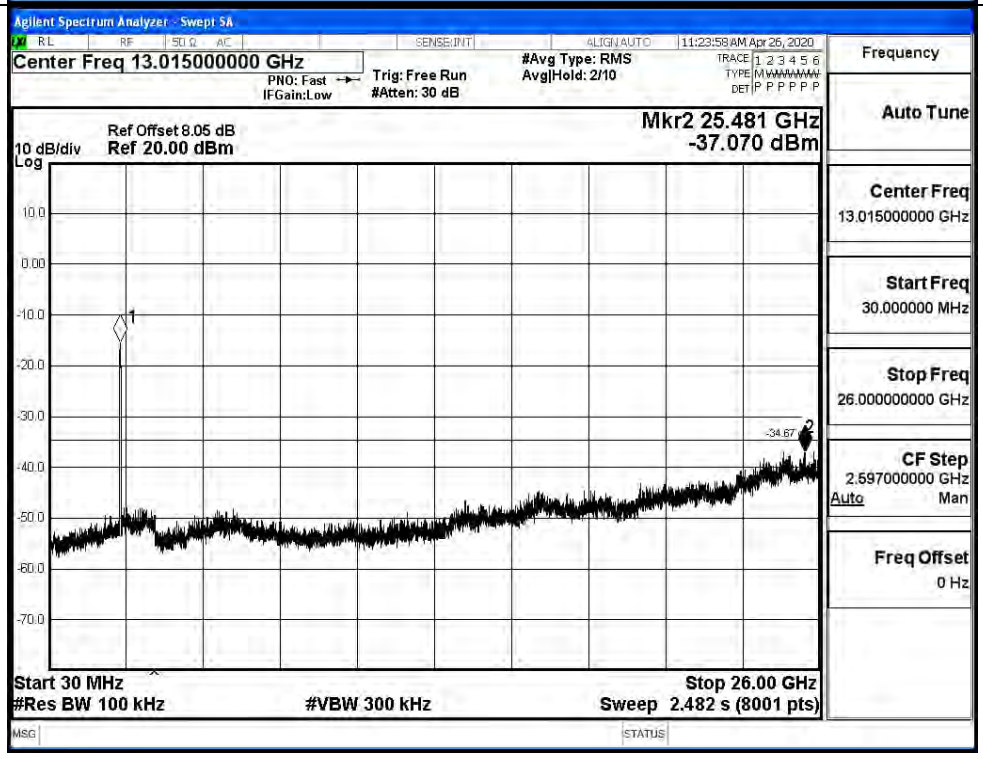
11G_HCH_Graphs	
Pref/11G/HCH	
Puw/11G/HCH	

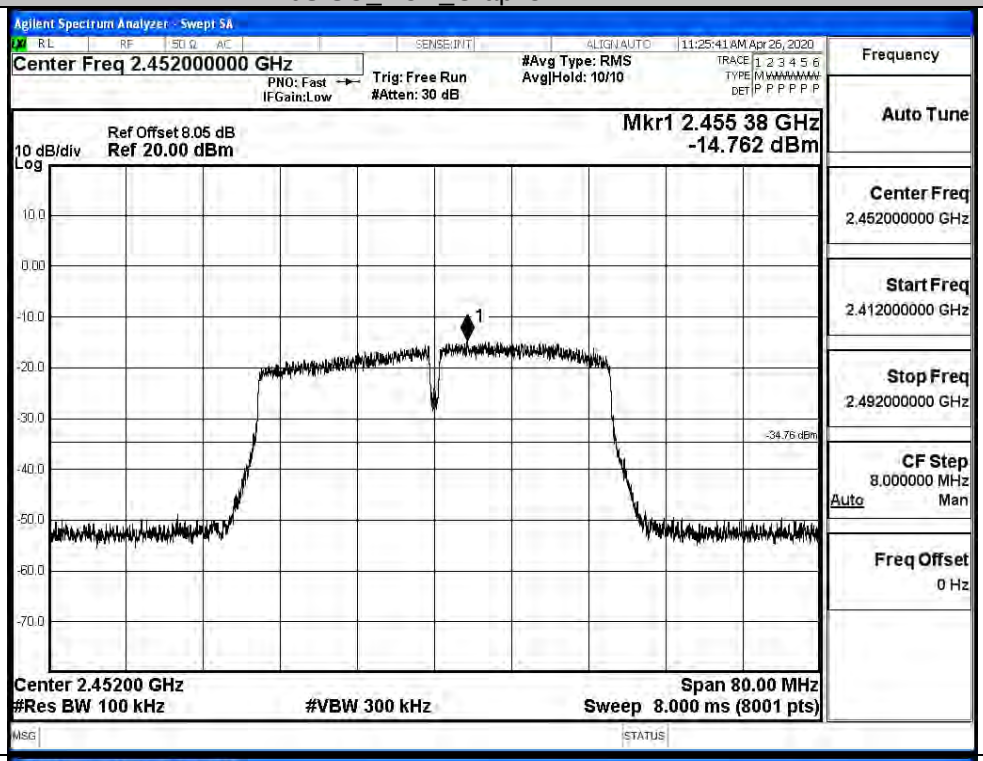
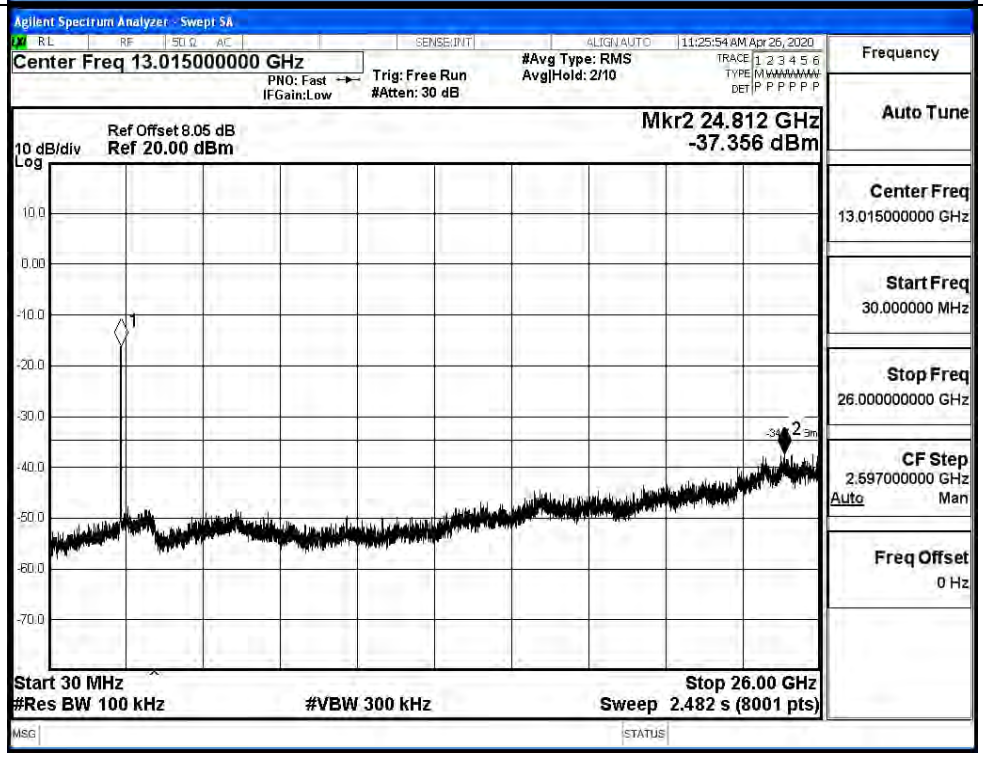
11N20SISO_LCH_Graphs	
Pref/11N20SISO/LCH	
Puw/11N20SISO/LCH	

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

11N20SISO_HCH_Graphs	
Pref/11N20 SISO/HCH	
Puw/11N20 SISO/HCH	

11N40SISO_LCH_Graphs	
Pref/11N40 SISO/LCH	
Puw/11N40 SISO/LCH	

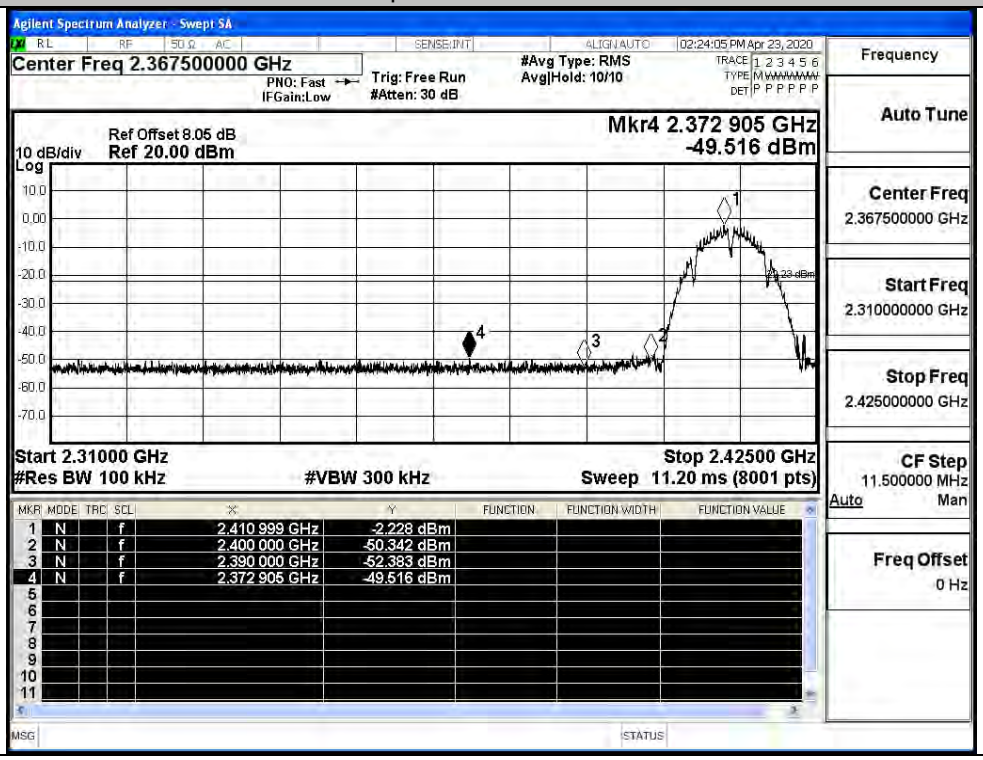
11N40SISO_MCH_Graphs	
Pref/11N40 SISO/MCH	
Puw/11N40 SISO/MCH	

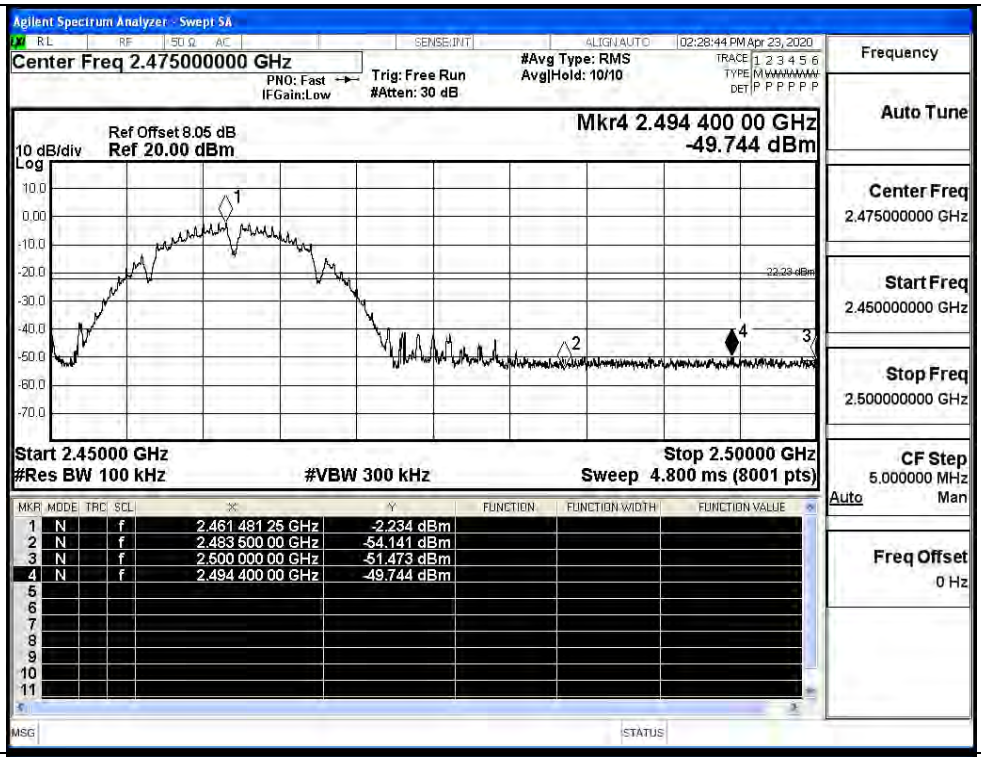
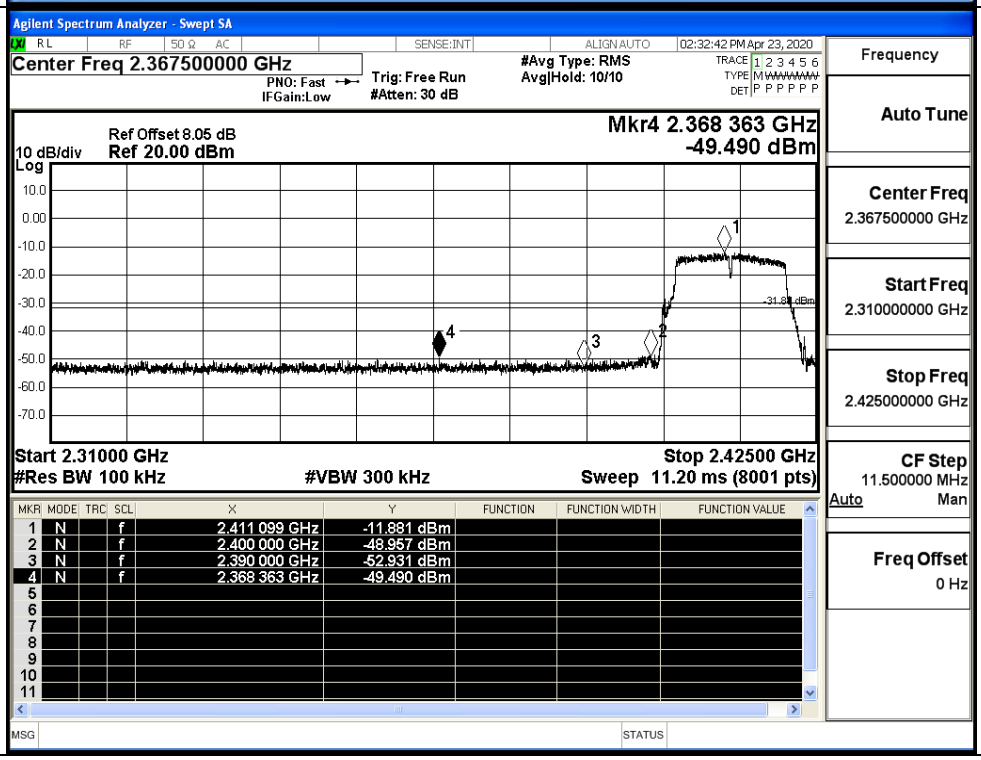
11N40SISO_HCH_Graphs	
Pref/11N40 SISO/HCH	
Puw/11N40 SISO/HCH	

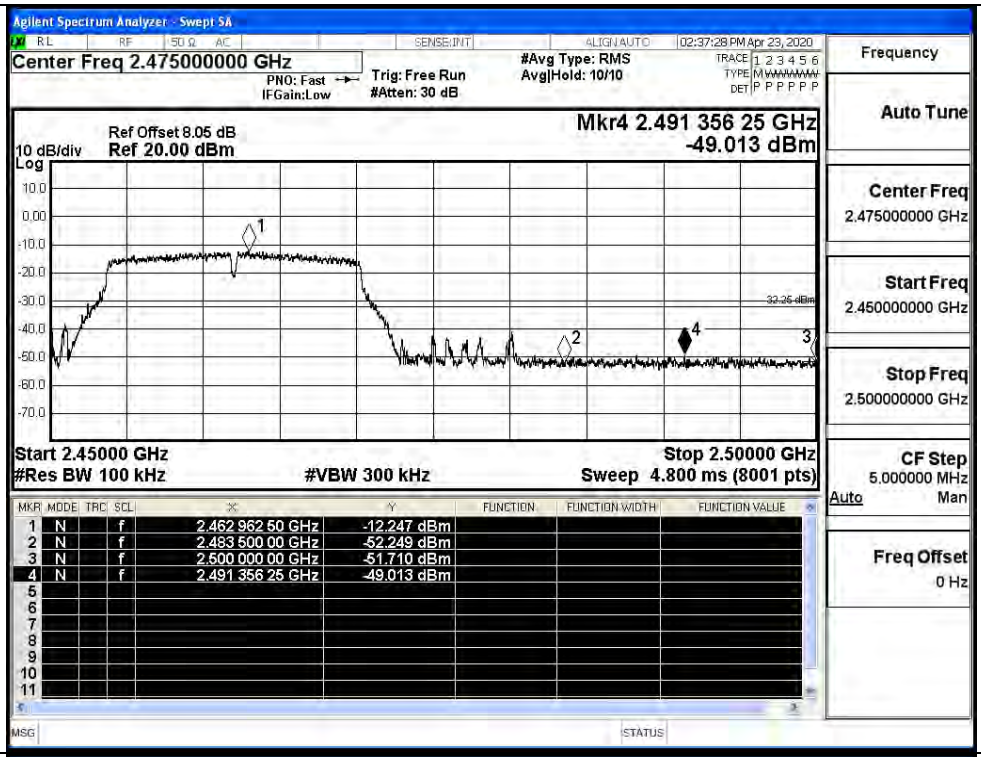
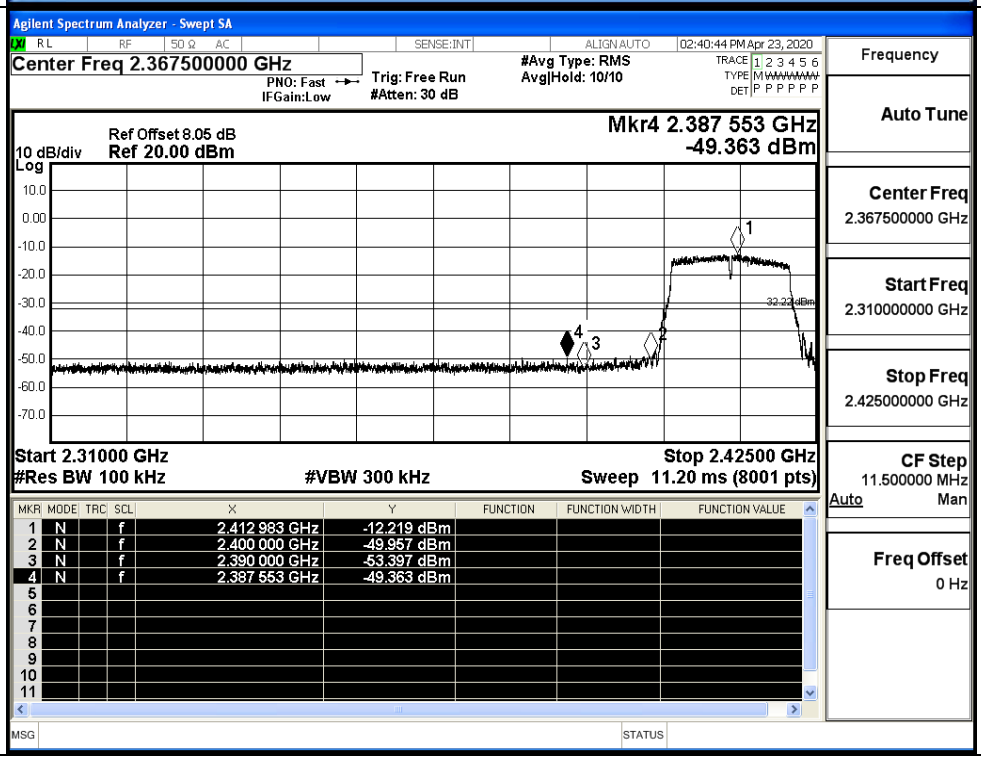
C.6 Band-edge for RF Conducted Emissions

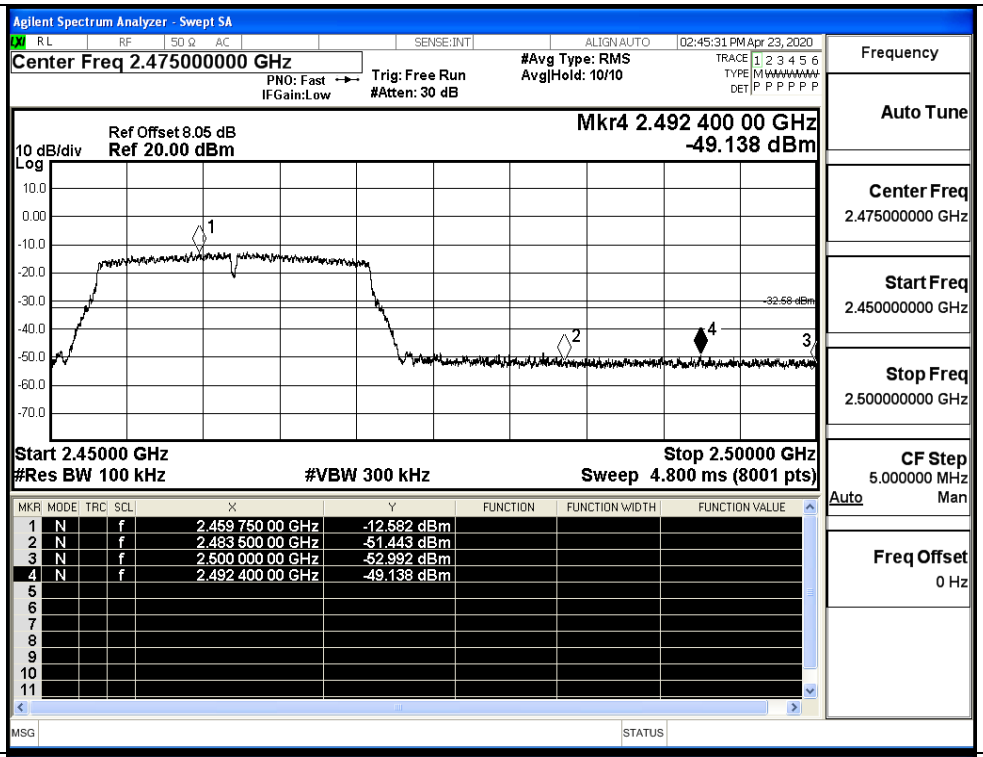
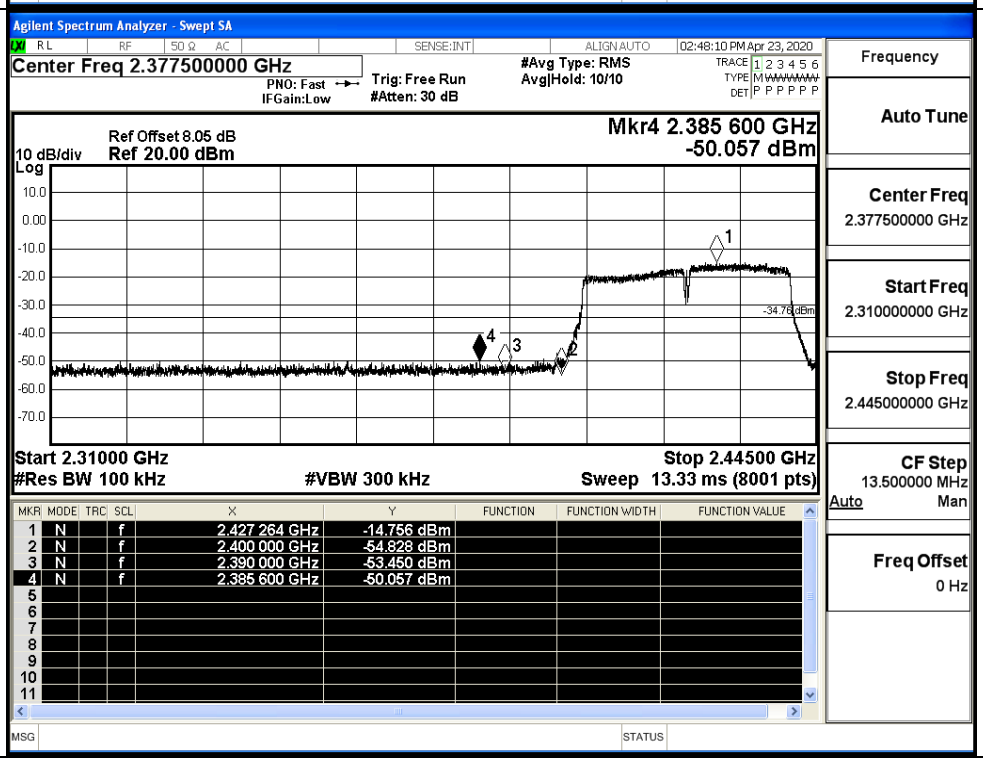
ANT0

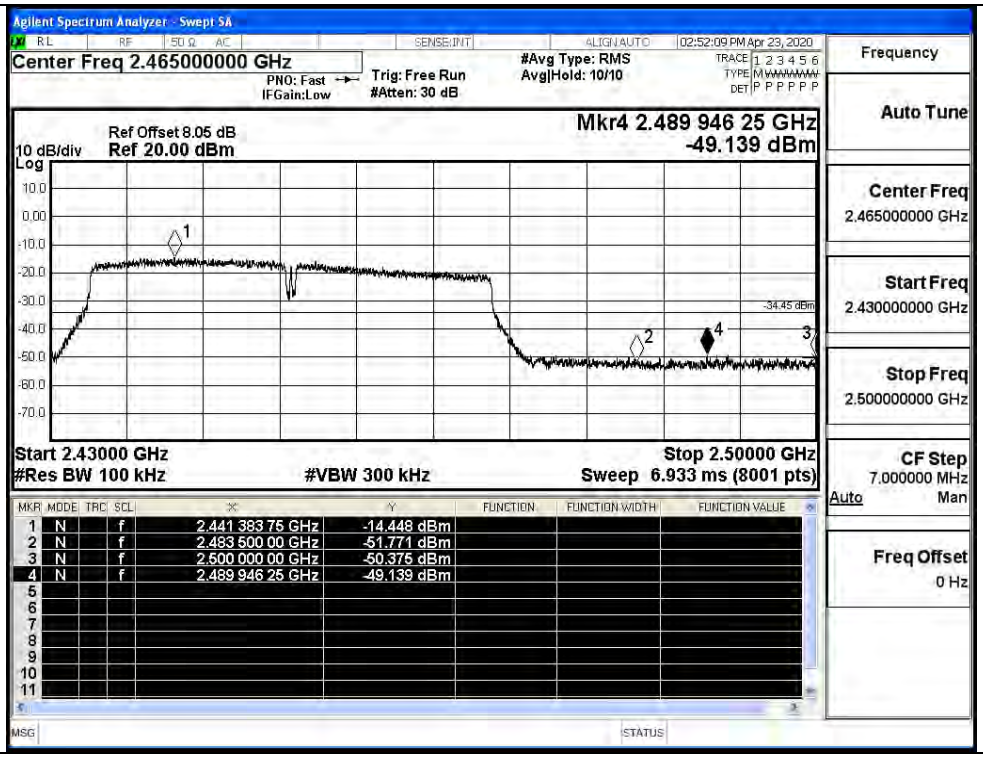
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.228	-49.516	-22.23	PASS
	HCH	-2.234	-49.744	-22.23	PASS
11G	LCH	-11.881	-49.490	-31.88	PASS
	HCH	-12.247	-49.013	-32.25	PASS
11N20SISO	LCH	-12.219	-49.363	-32.22	PASS
	HCH	-12.582	-49.138	-32.58	PASS
11N40SISO	LCH	-14.756	-50.057	-34.76	PASS
	HCH	-14.448	-49.139	-34.45	PASS

Test Graphs	
11B/LCH	

11B/HCH	
11G/LCH	

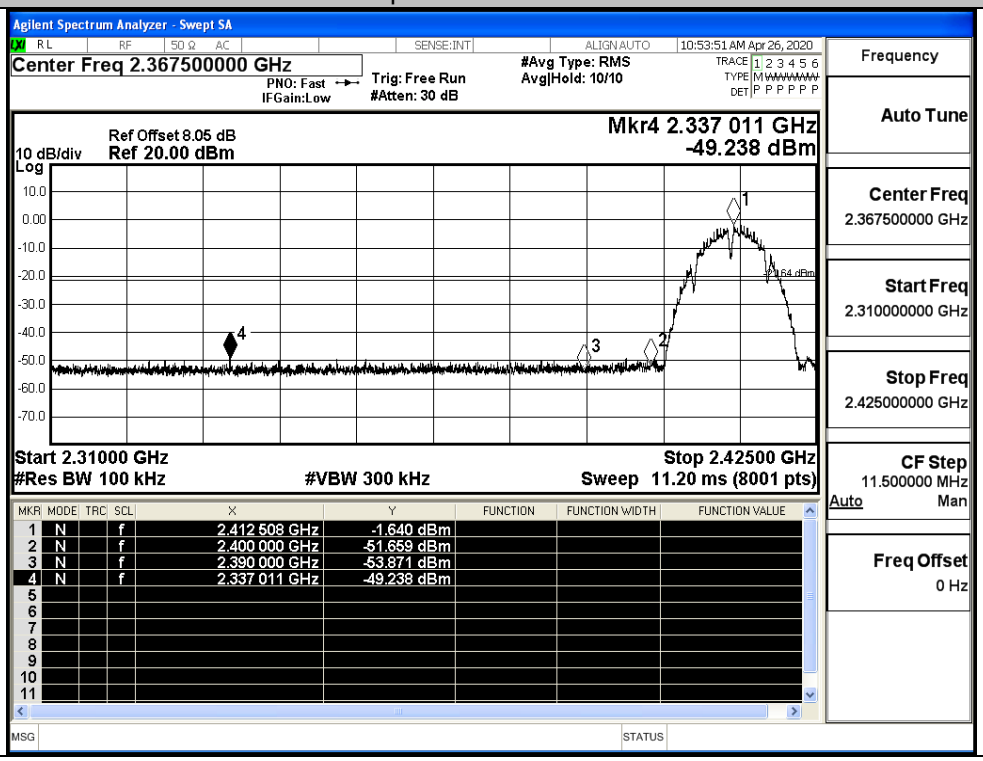
11G/HCH	
11N20SISO/LCH	

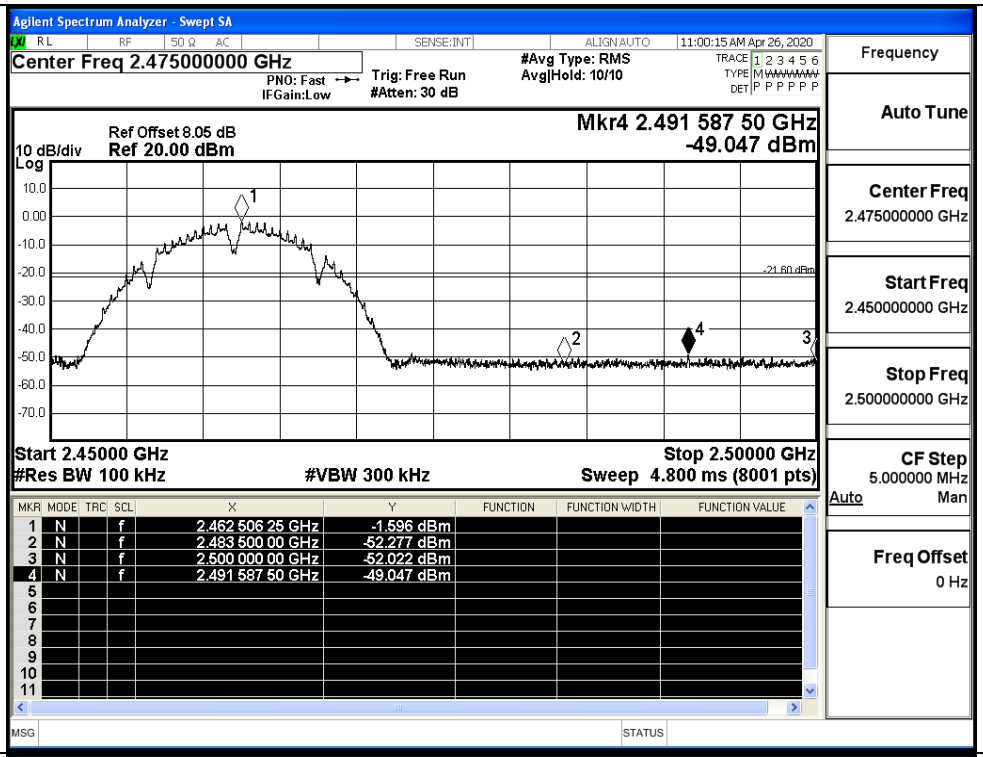
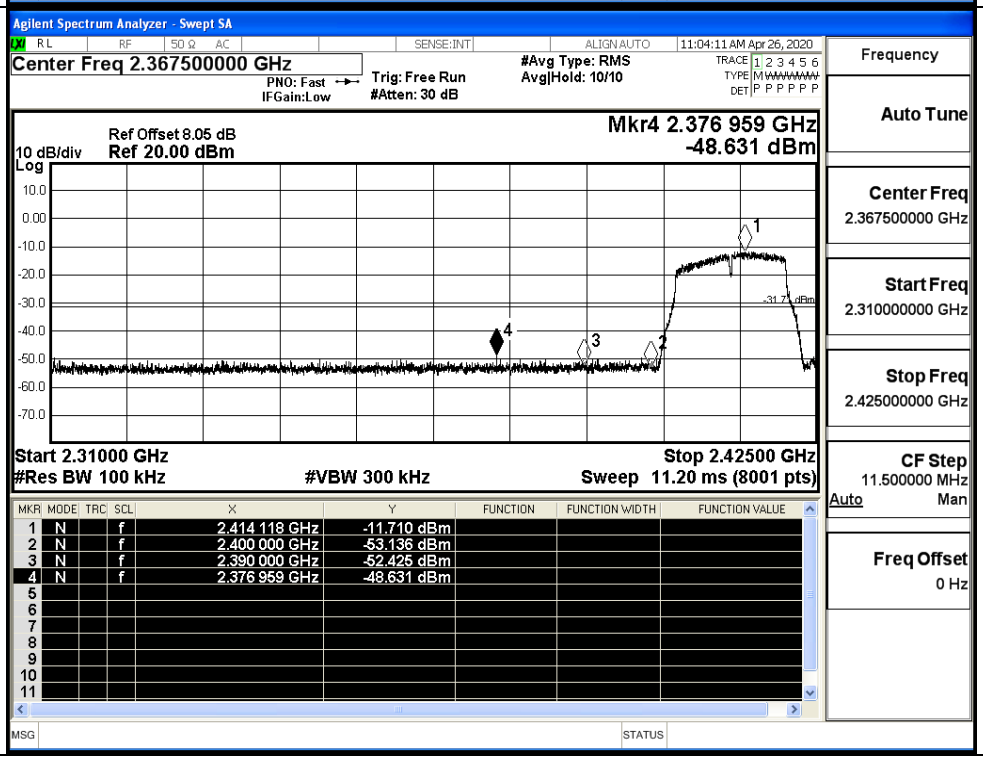
11N20SISO/HCH		
11N40SISO/LCH		

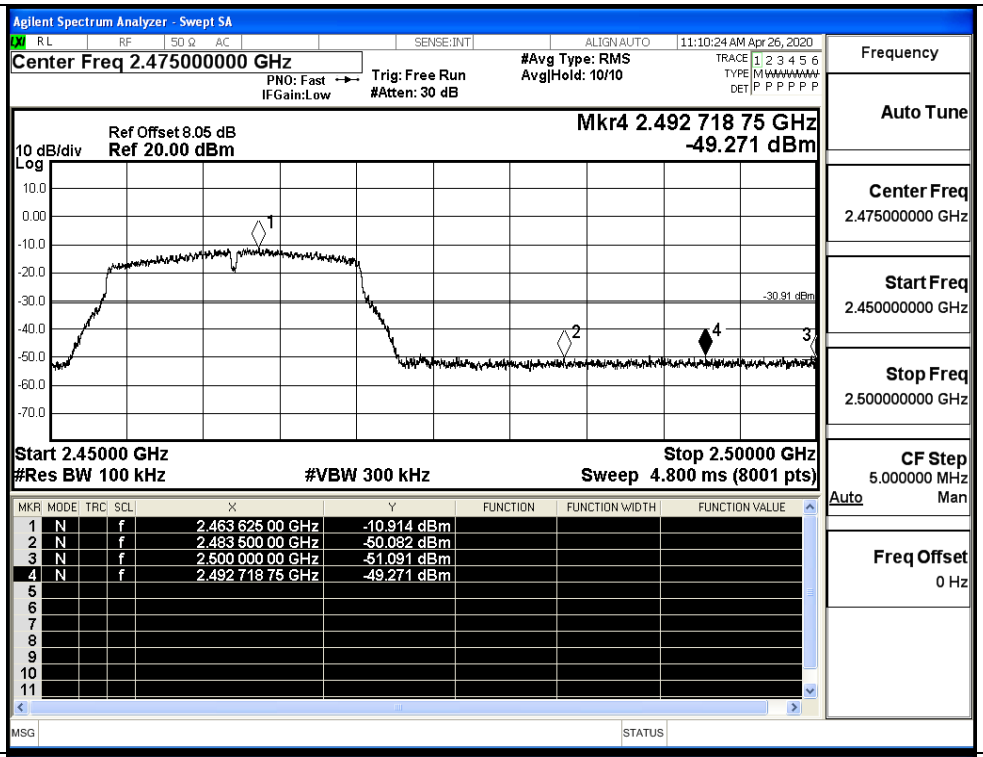
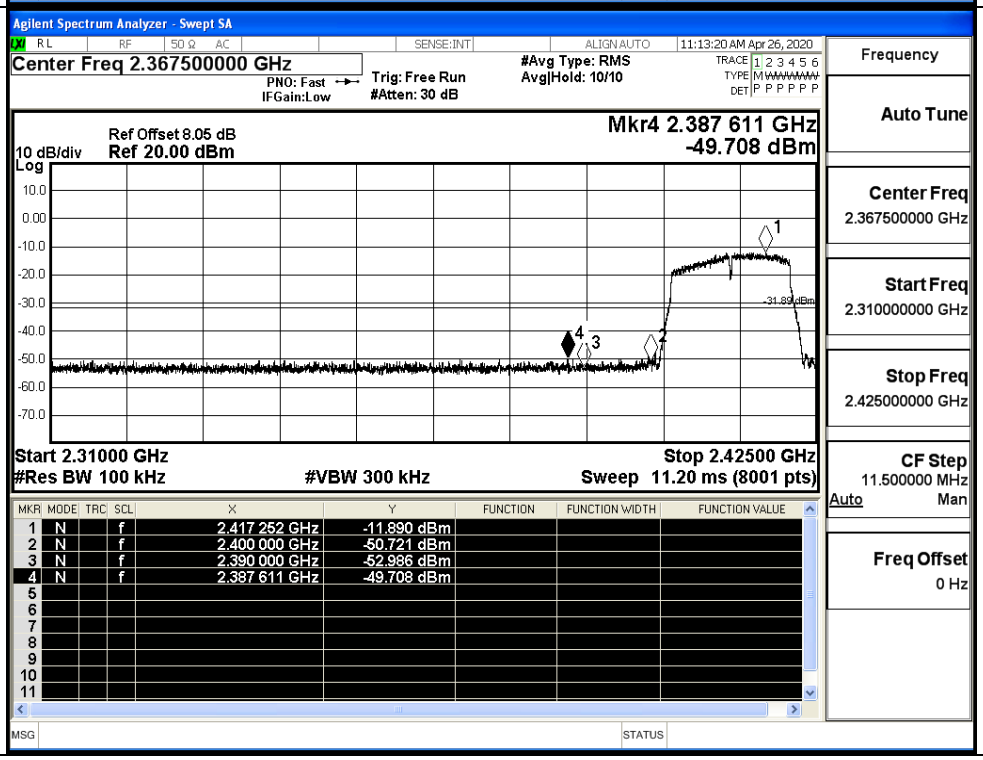
11N40SISO/HCH	

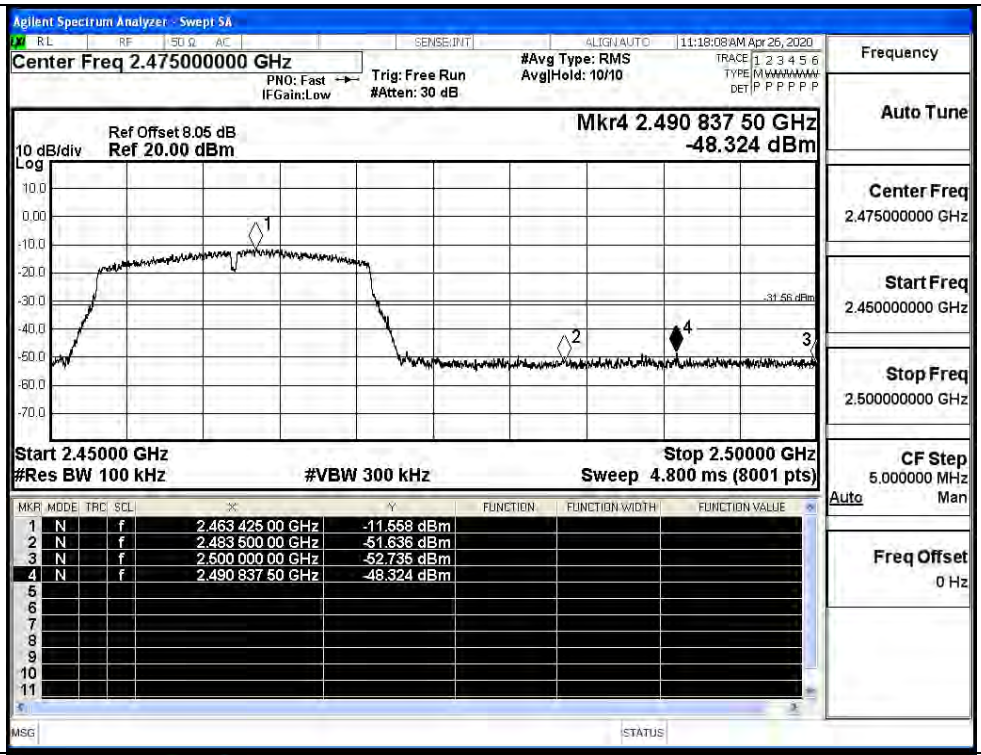
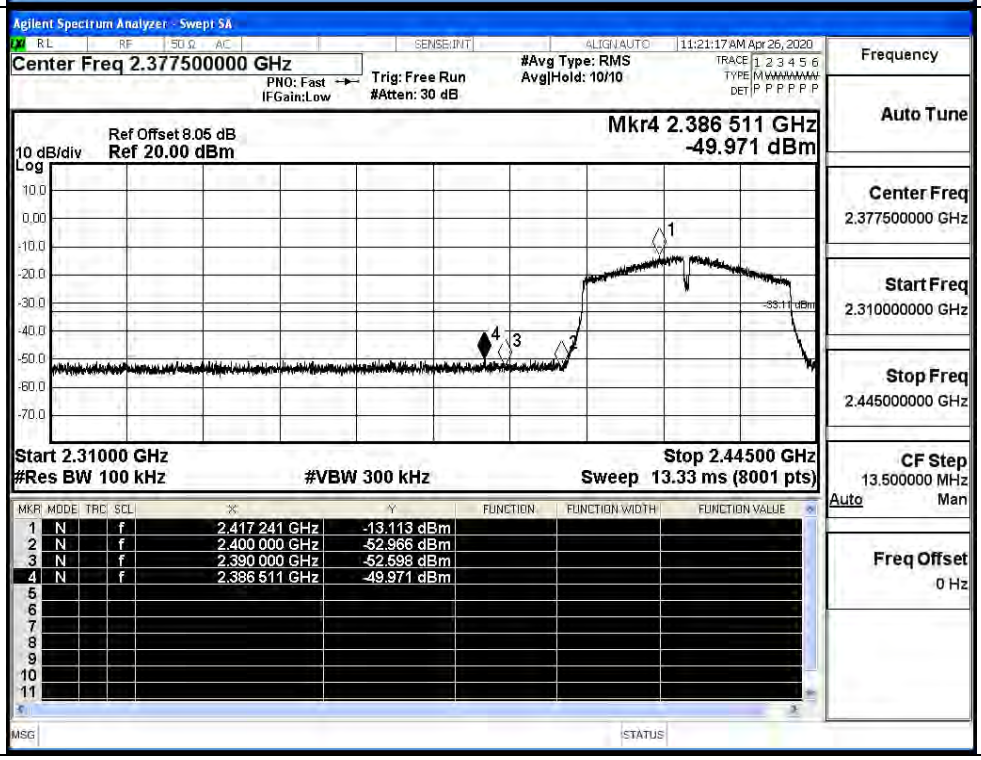
ANT1

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-1.640	-49.238	-21.64	PASS
	HCH	-1.596	-49.047	-21.6	PASS
11G	LCH	-11.710	-48.631	-31.71	PASS
	HCH	-10.914	-49.271	-30.91	PASS
11N20SISO	LCH	-11.890	-49.708	-31.89	PASS
	HCH	-11.558	-48.324	-31.56	PASS
11N40SISO	LCH	-13.113	-49.971	-33.11	PASS
	HCH	-14.466	-49.238	-34.47	PASS

Test Graphs	
11B/LCH	

11B/HCH	
11G/LCH	

11G/HCH		
11N20SISO/LCH		

11N20SISO/HCH	
11N40SISO/LCH	

11N40SISO/HCH