Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: 6-Inch Rugged Windows Handheld tablet

Trade Mark: N/A

Test Model: DP10

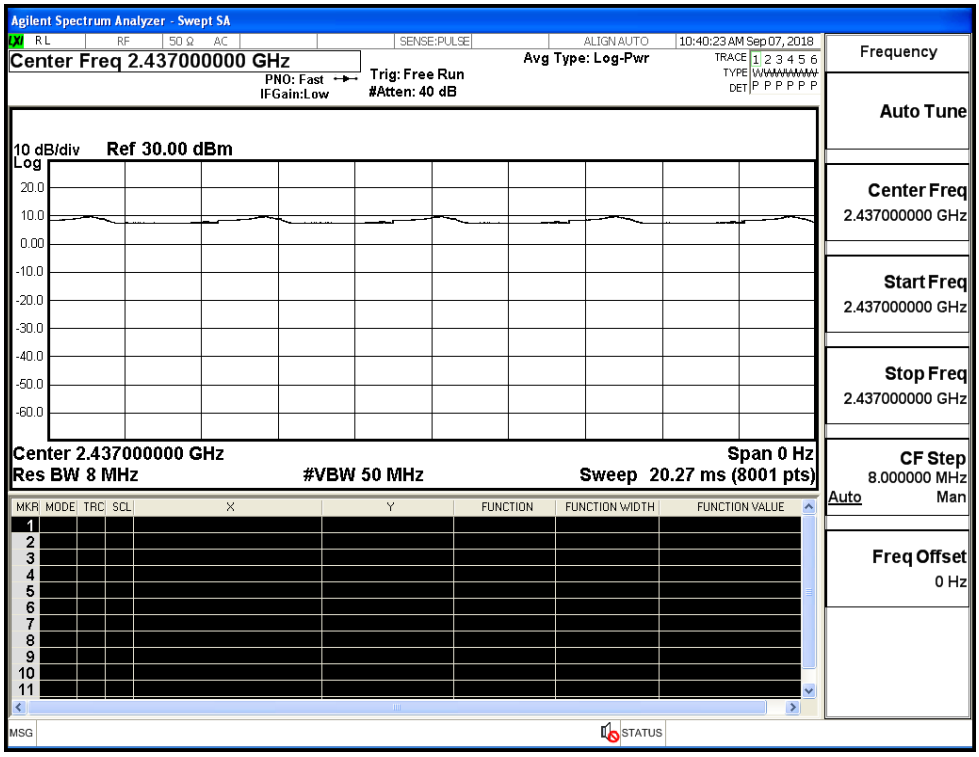
Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

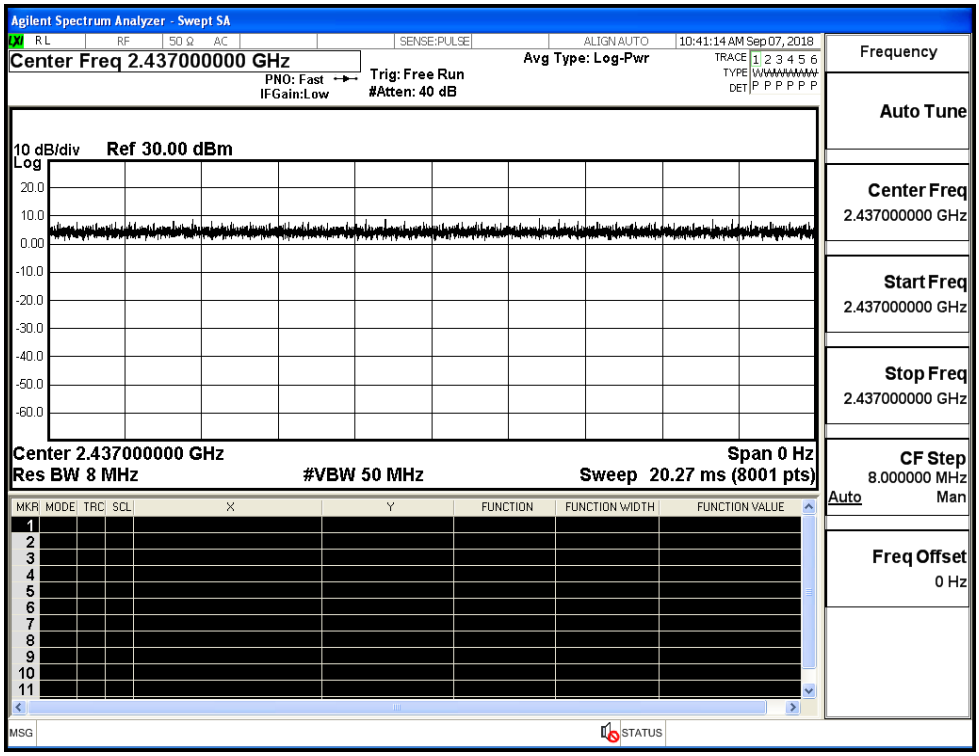
C.1 Duty Cycle

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

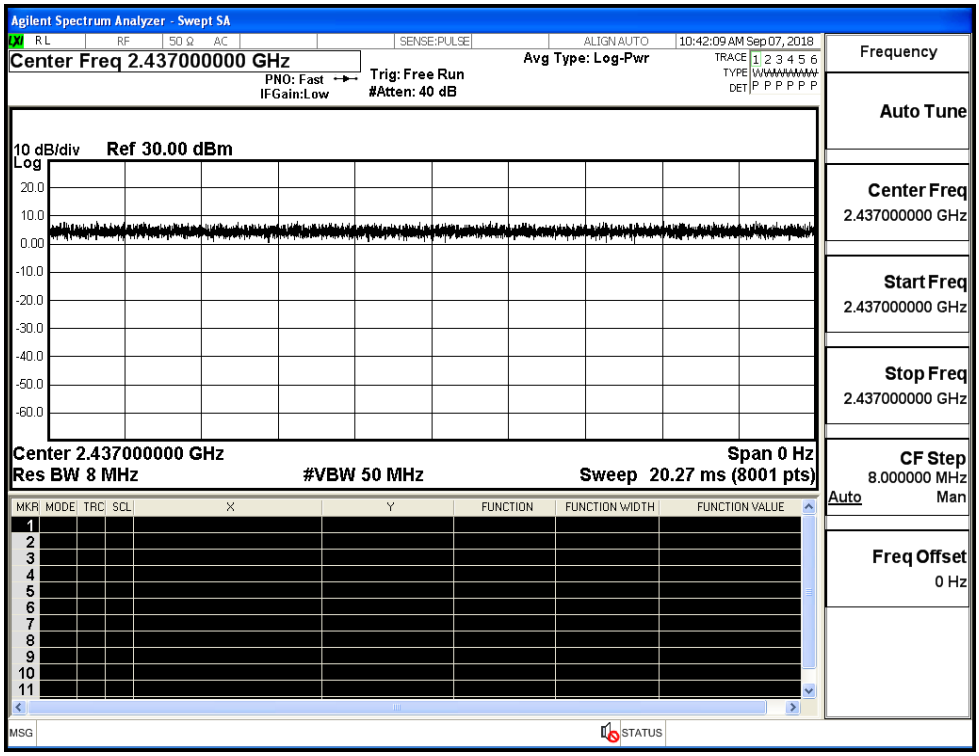
Duty Cycle_11B_2437_Ant1



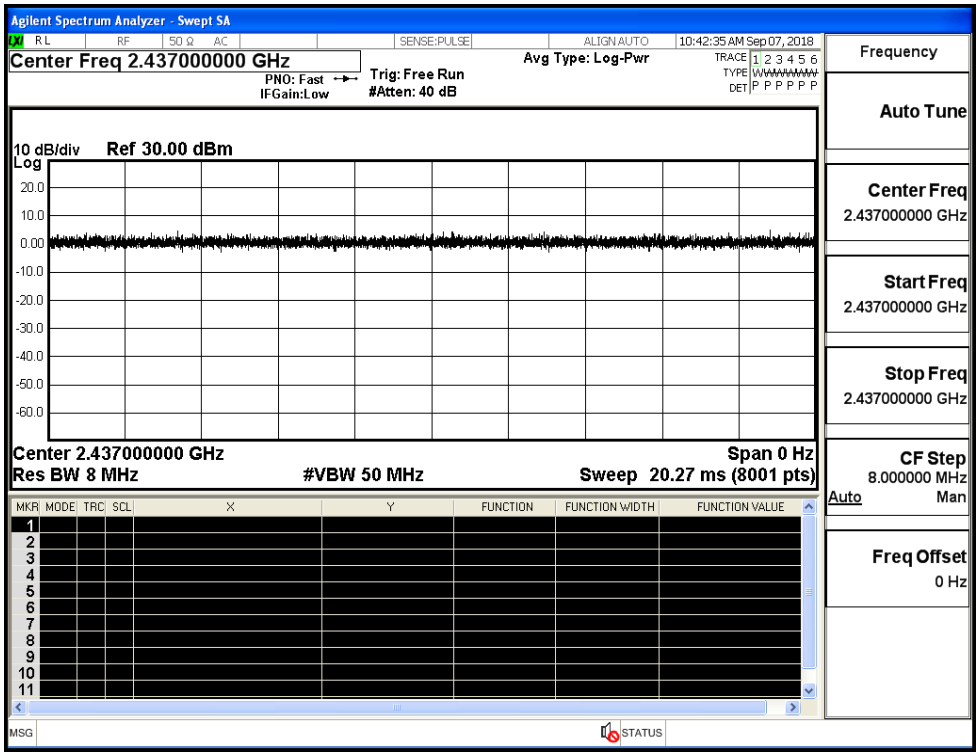
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

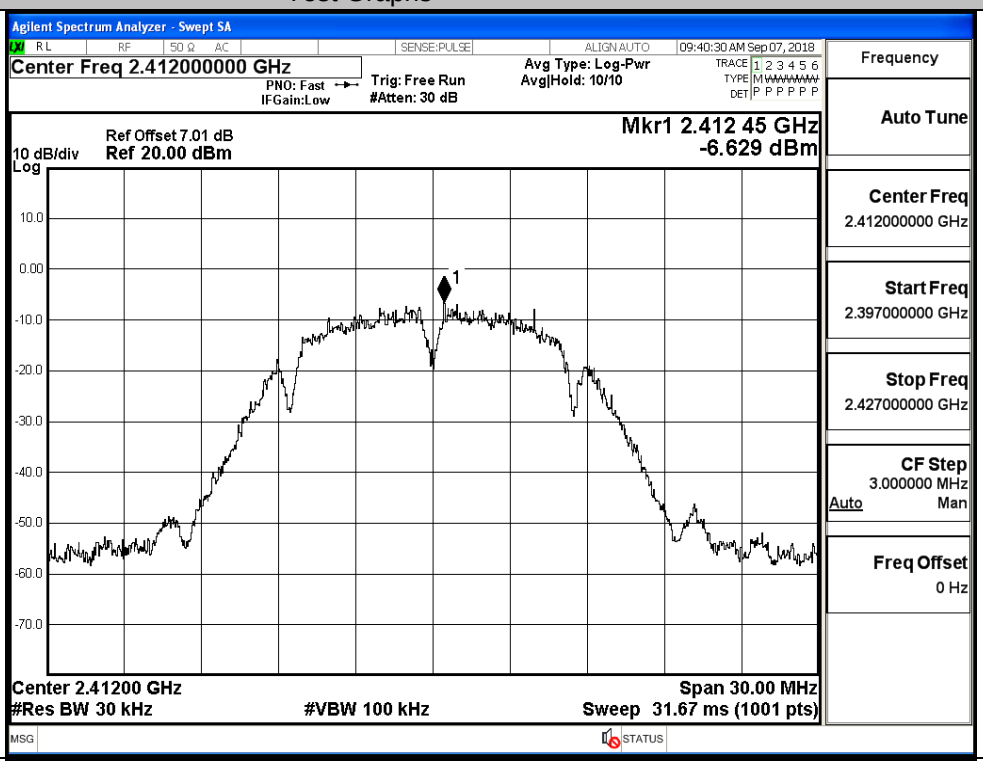
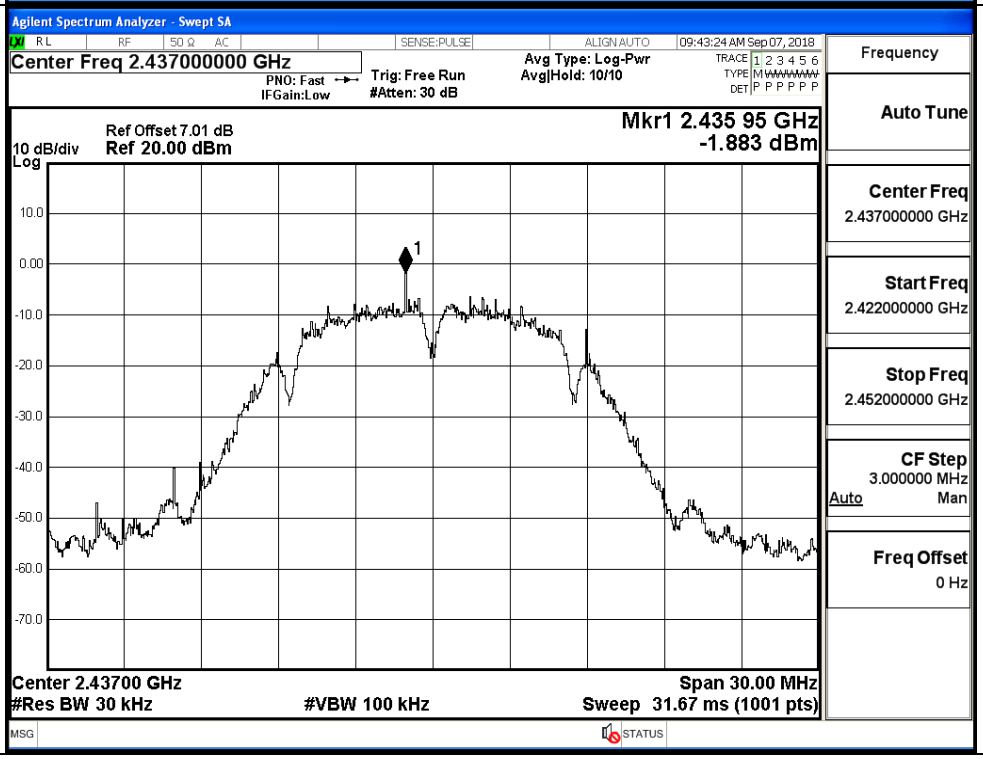


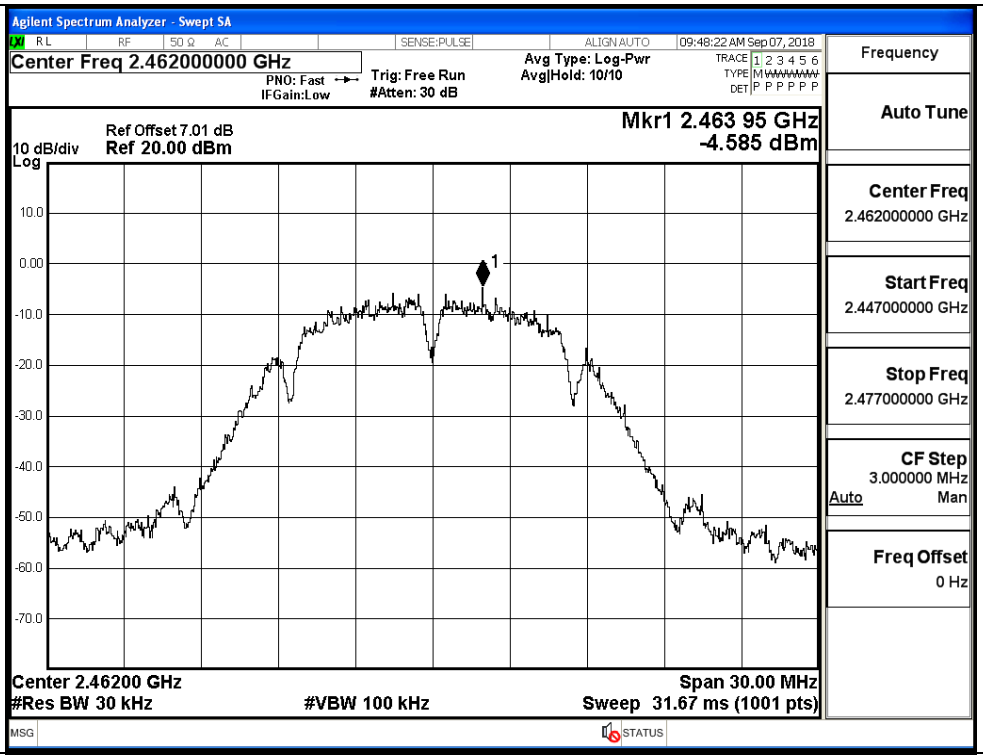
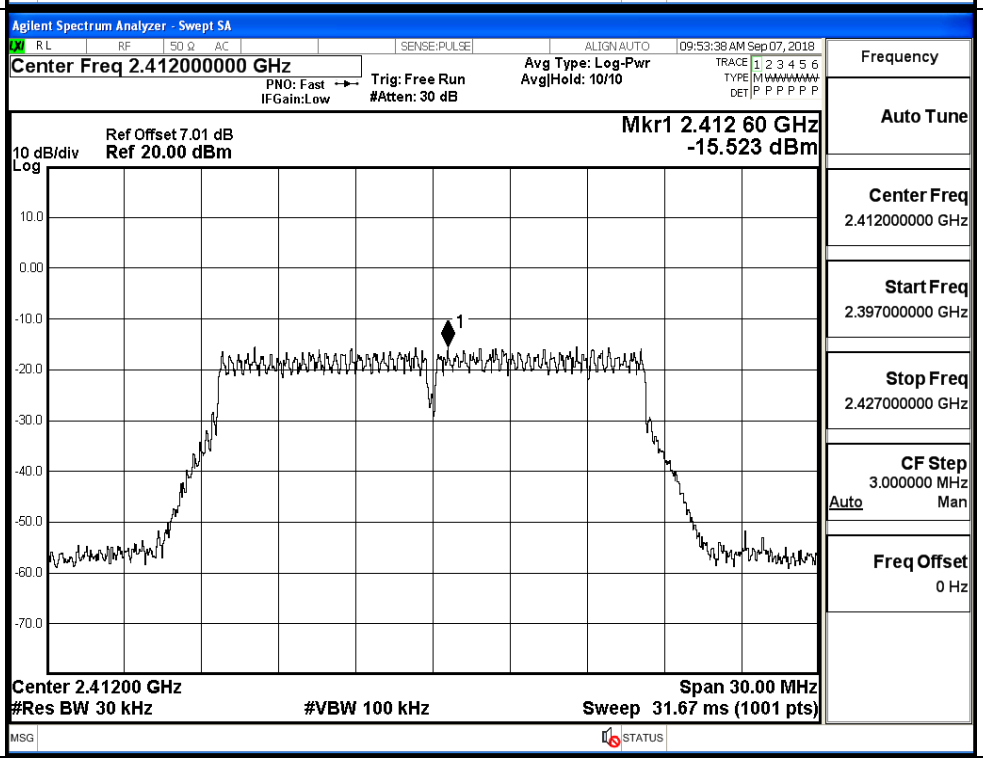
C.2 Maximum Conducted Output Power

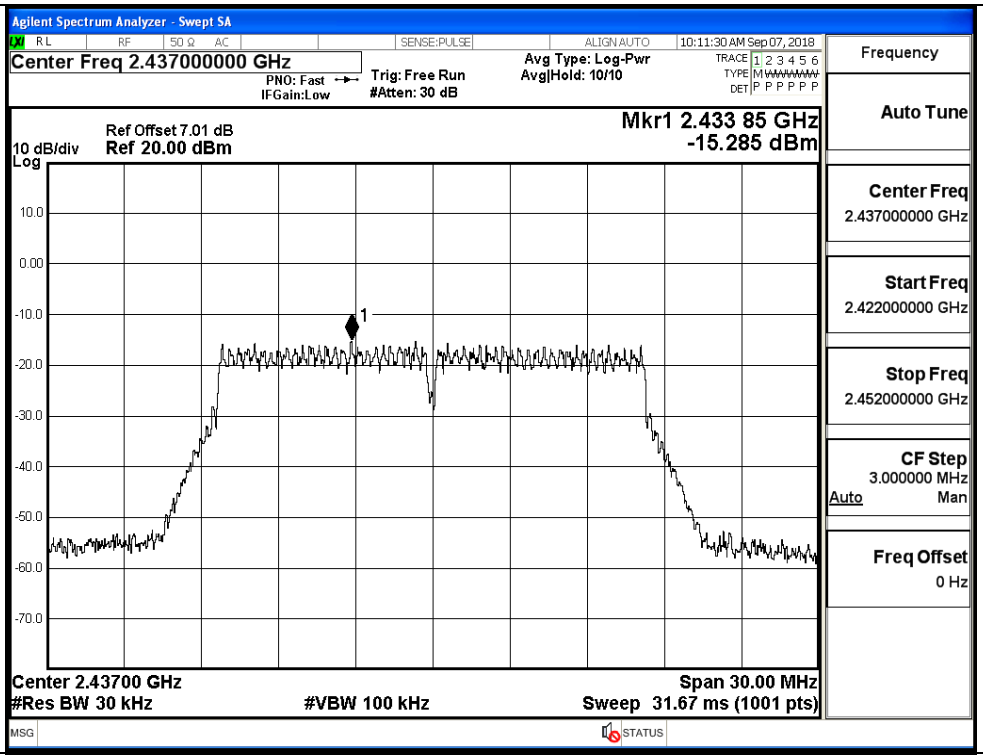
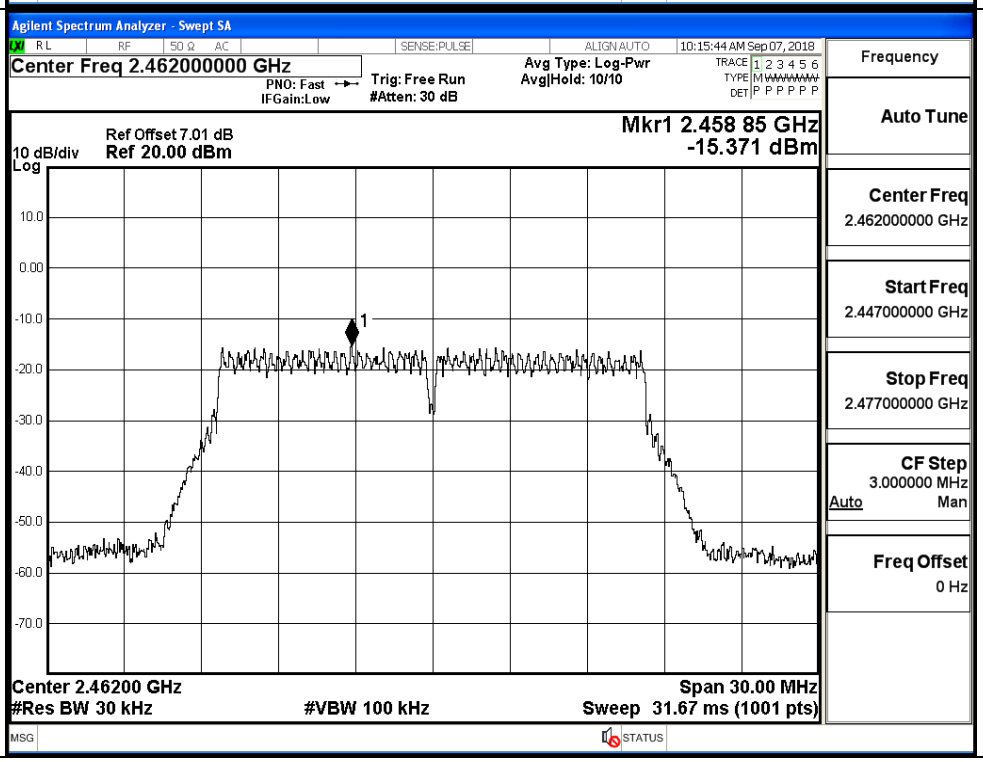
Mode	Channel	Meas.Level Peak [dBm]	Limit [dBm]	Verdict
11B	LCH	11.32	30	PASS
	MCH	11.25	30	PASS
	HCH	11.54	30	PASS
11G	LCH	12.82	30	PASS
	MCH	12.95	30	PASS
	HCH	12.56	30	PASS
11N20SISO	LCH	13.12	30	PASS
	MCH	13.08	30	PASS
	HCH	13.26	30	PASS
11N40SISO	LCH	14.33	30	PASS
	MCH	14.25	30	PASS
	HCH	14.36	30	PASS

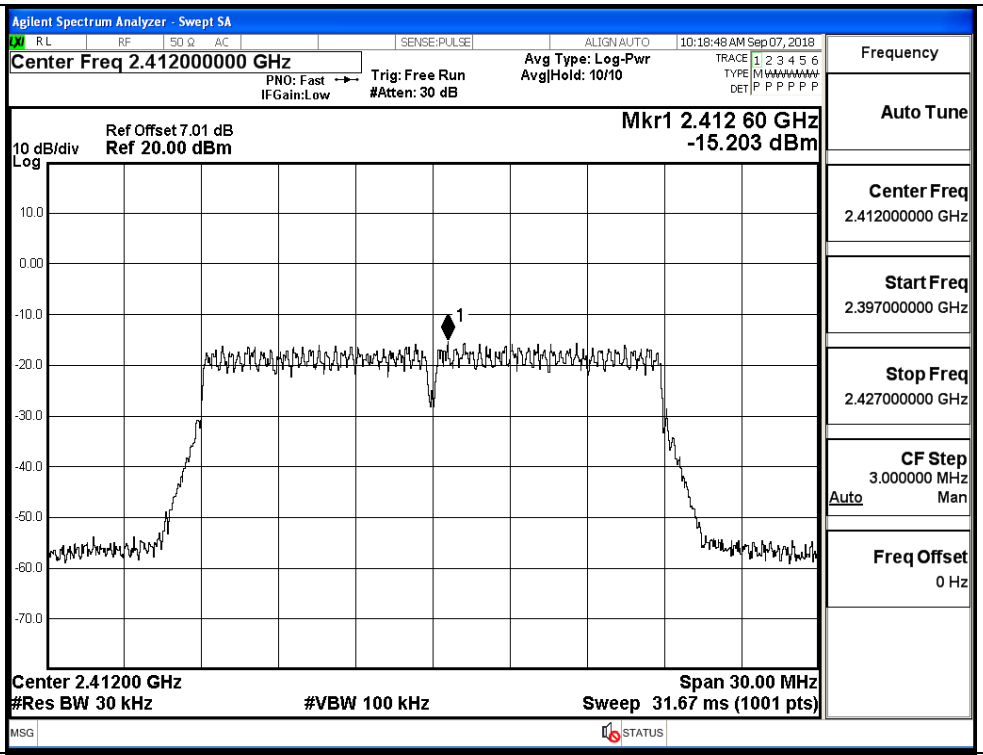
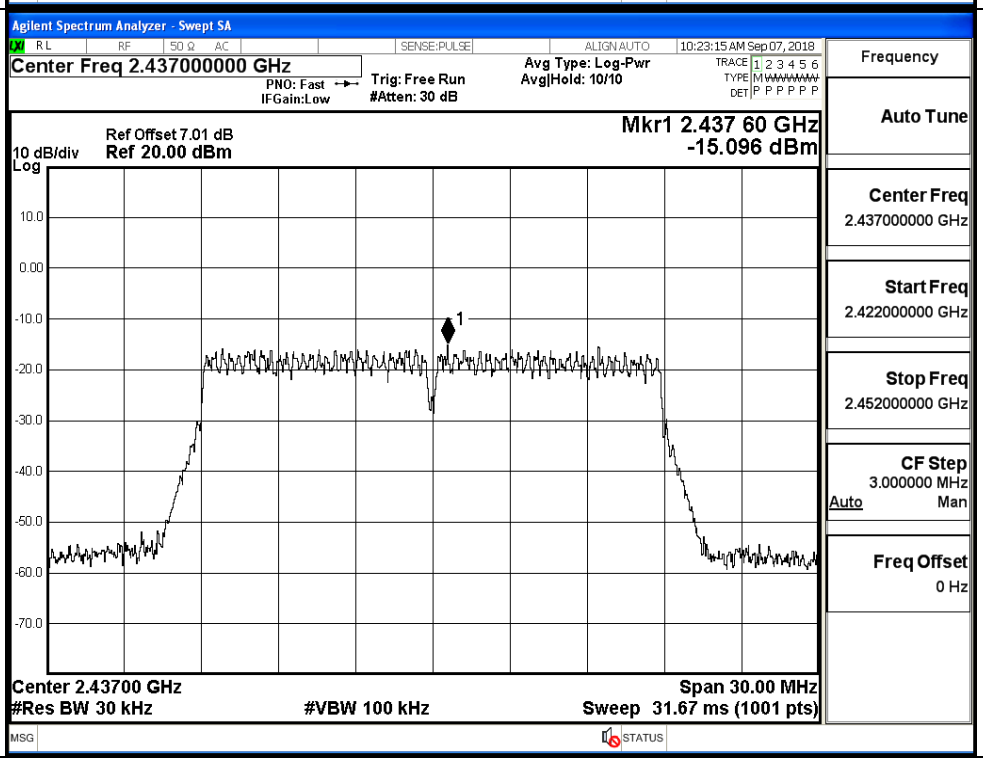
C.3 Maximum Power Spectral Density

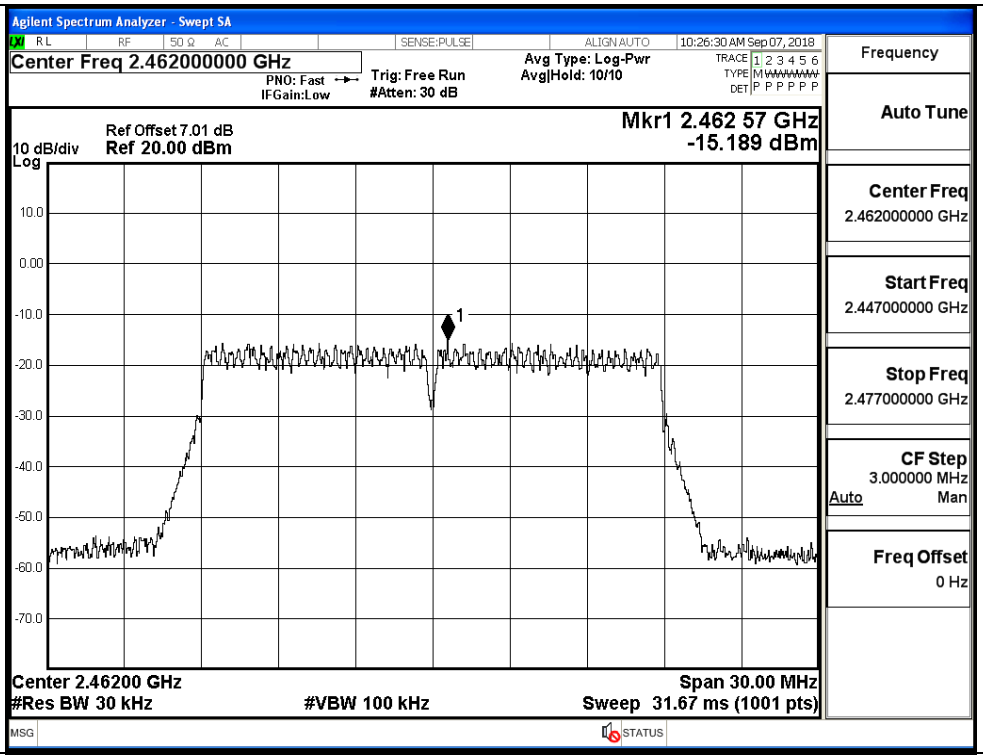
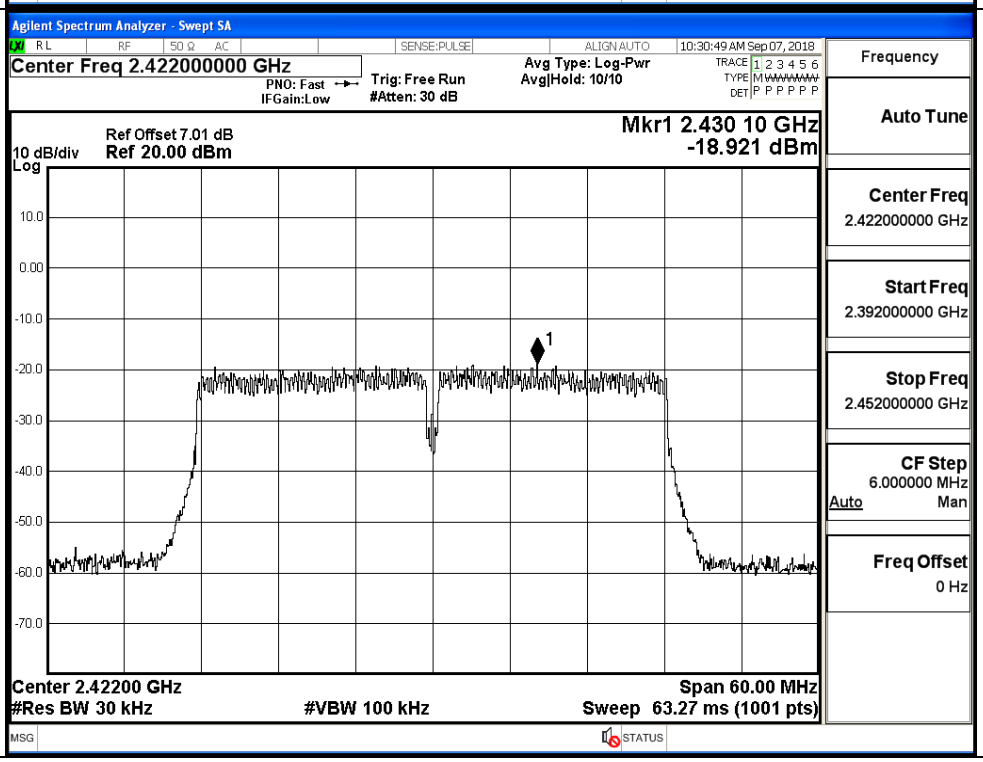
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-6.629	8	PASS
	MCH	-1.883	8	PASS
	HCH	-4.585	8	PASS
11G	LCH	-15.523	8	PASS
	MCH	-15.285	8	PASS
	HCH	-15.371	8	PASS
11N20SISO	LCH	-15.203	8	PASS
	MCH	-15.096	8	PASS
	HCH	-15.189	8	PASS
11N40SISO	LCH	-18.921	8	PASS
	MCH	-18.799	8	PASS
	HCH	-18.904	8	PASS

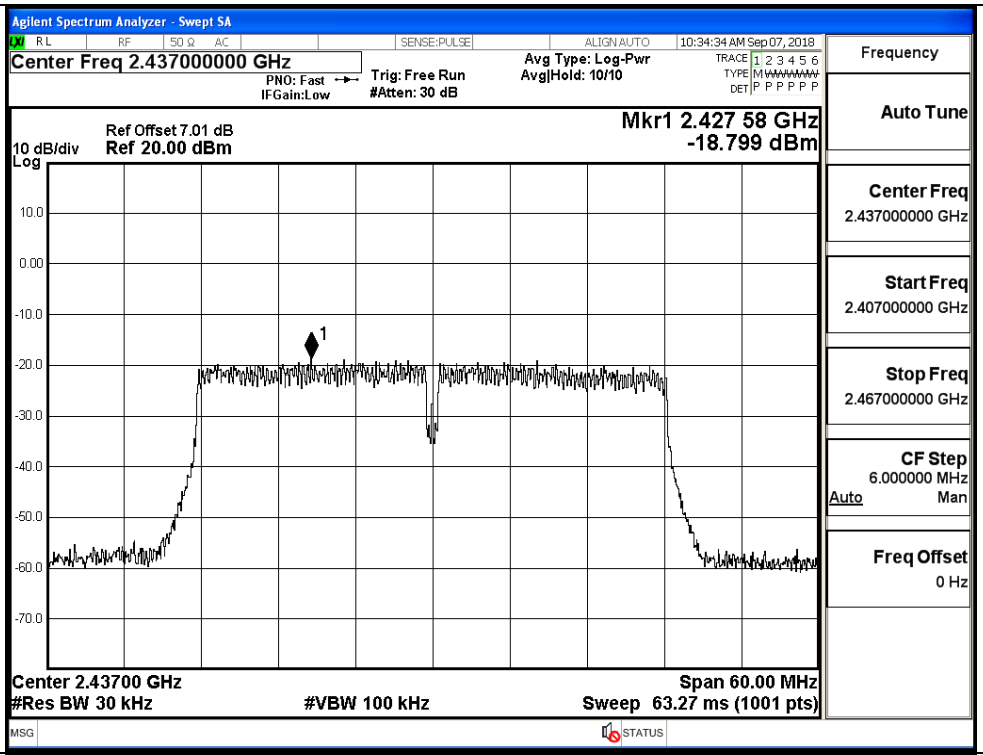
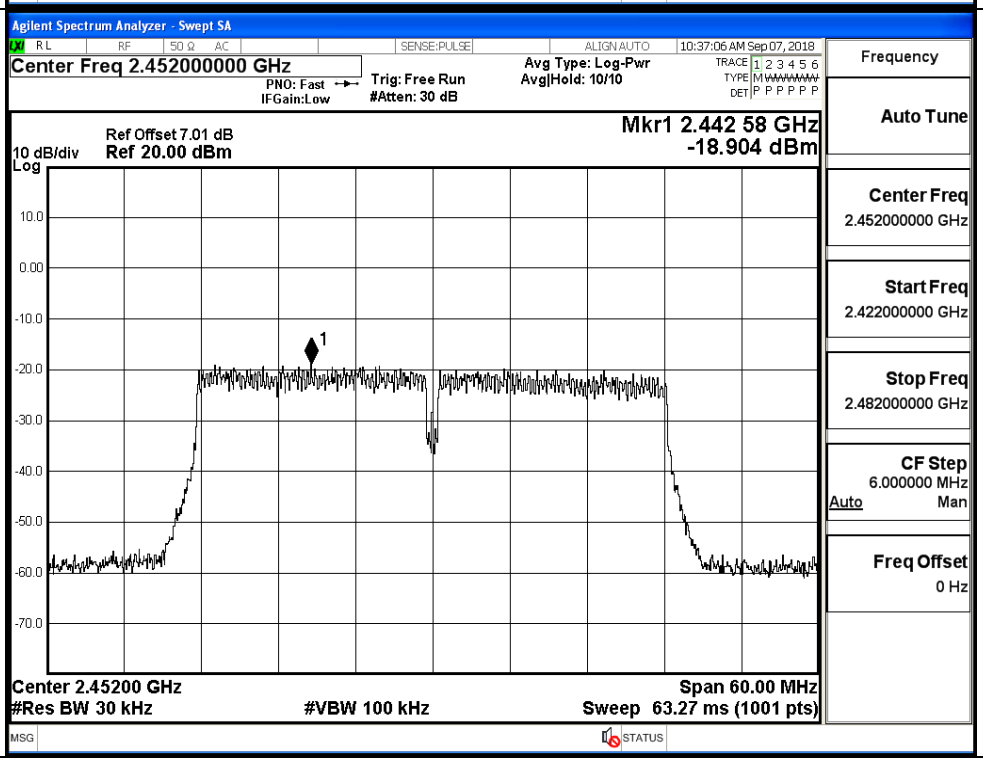
Test Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

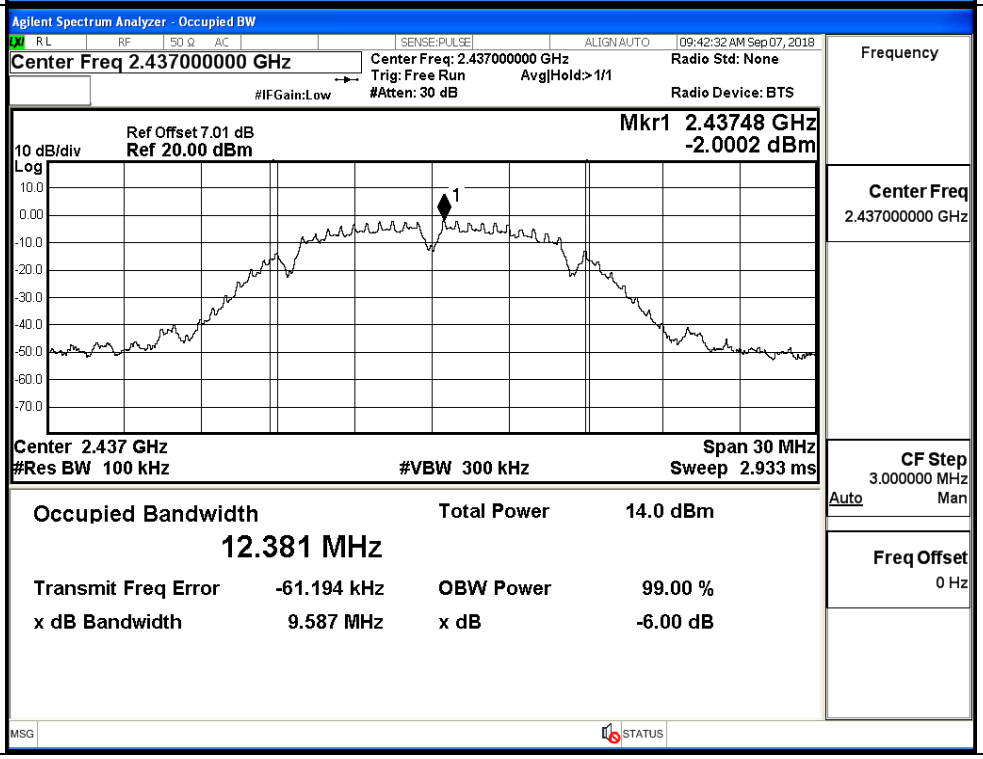
11N20SISO/LCH		
11N20SISO/MCH		

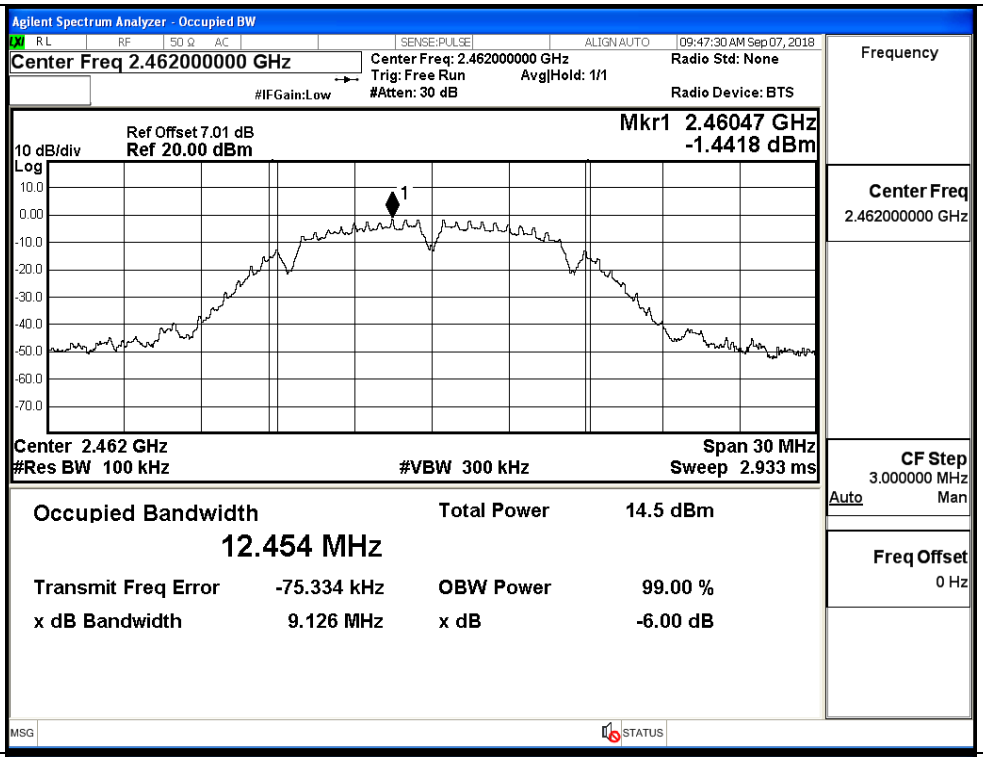
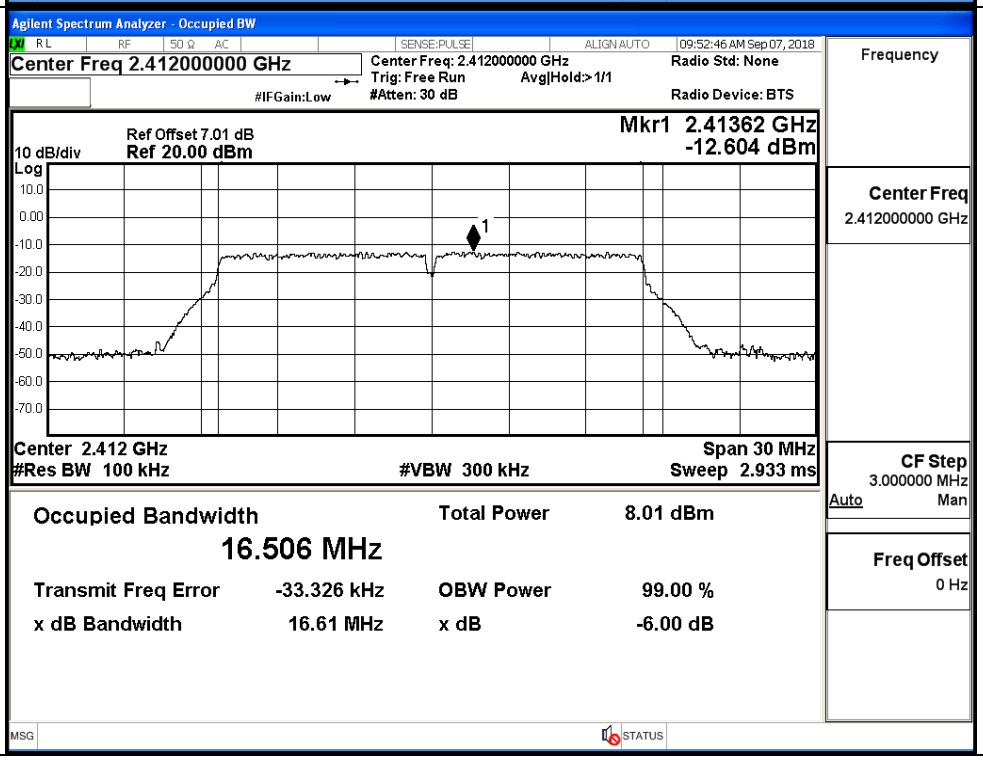
11N20SISO/HCH		
11N40SISO/LCH		

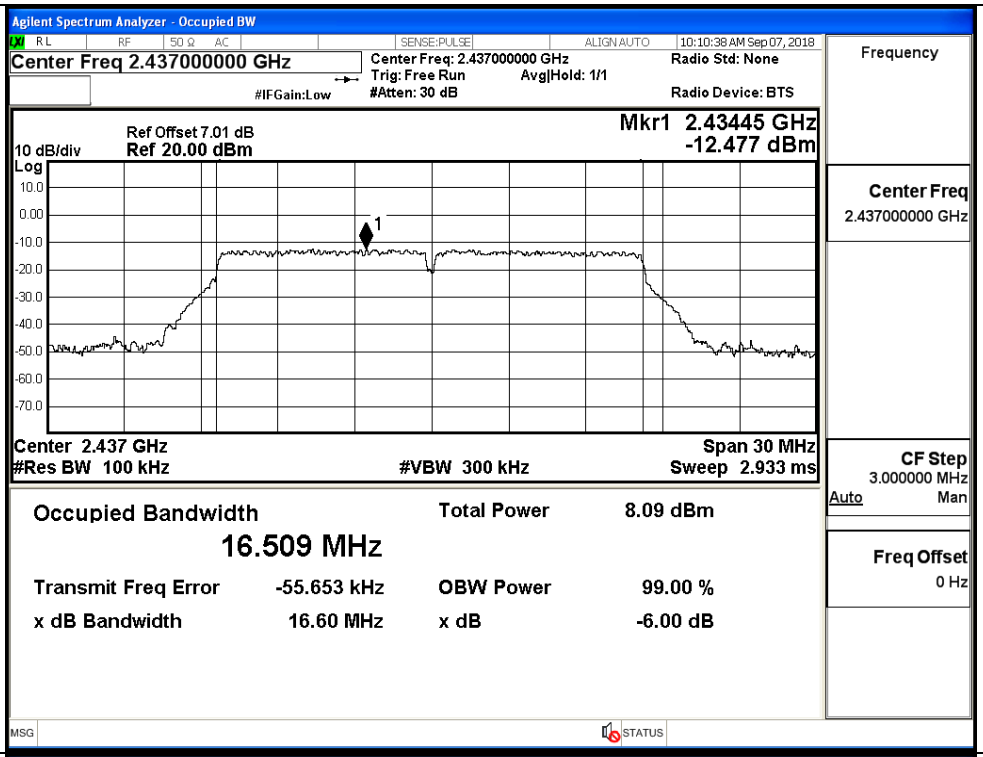
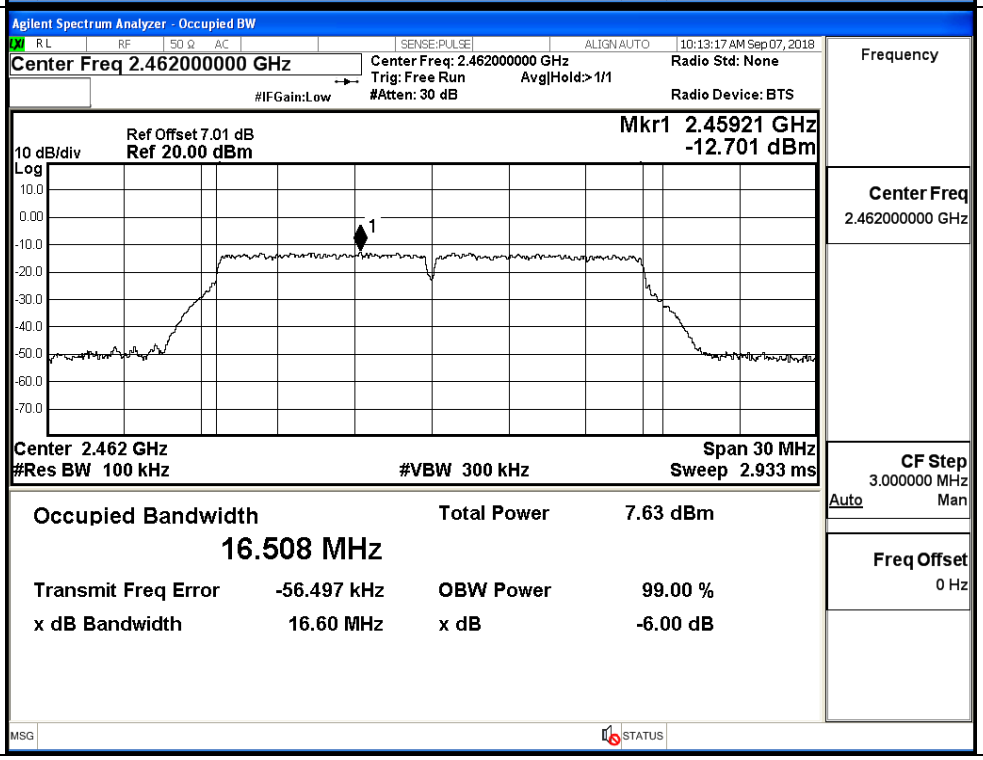
11N40SISO/MCH		
11N40SISO/HCH		

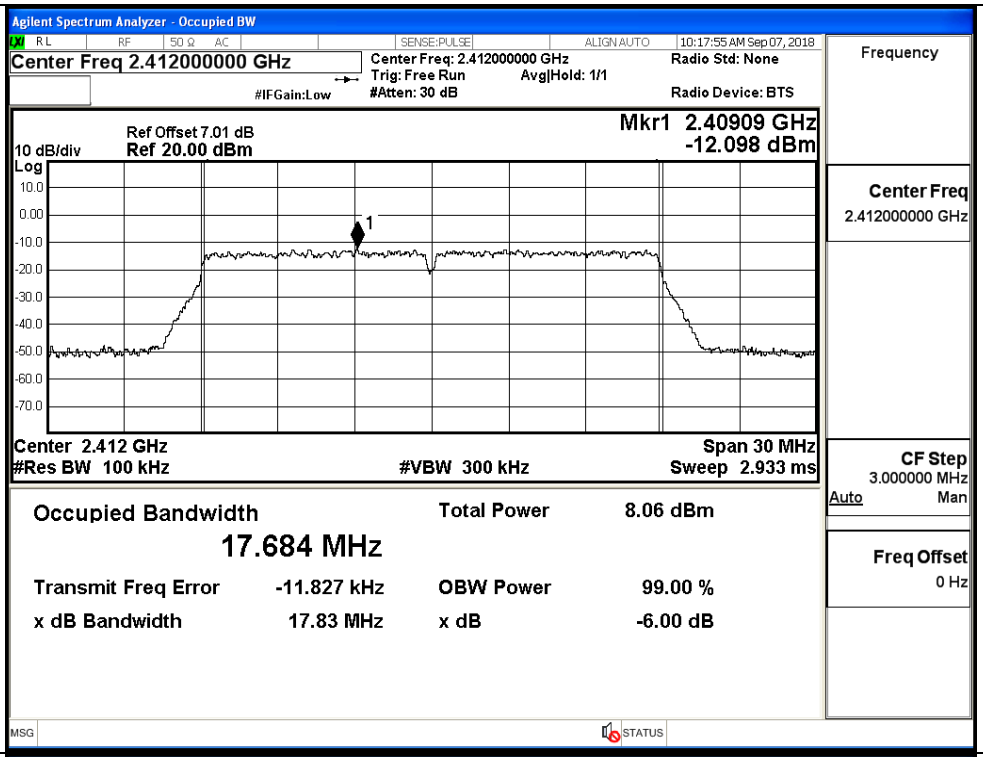
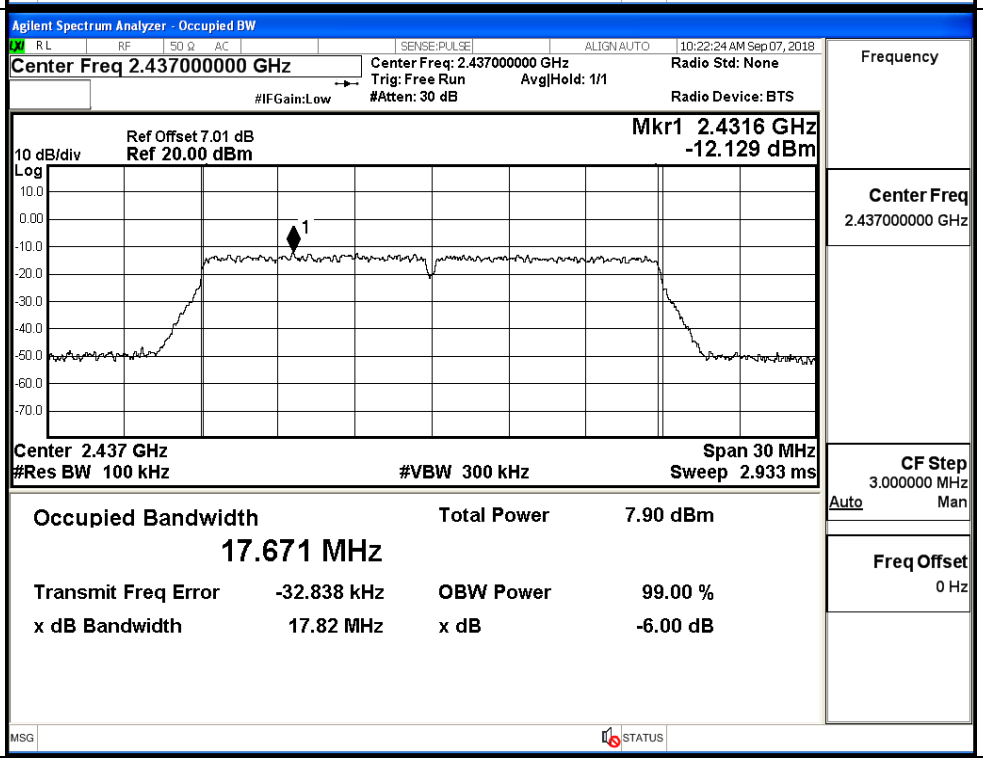
C.4 6dB Bandwidth

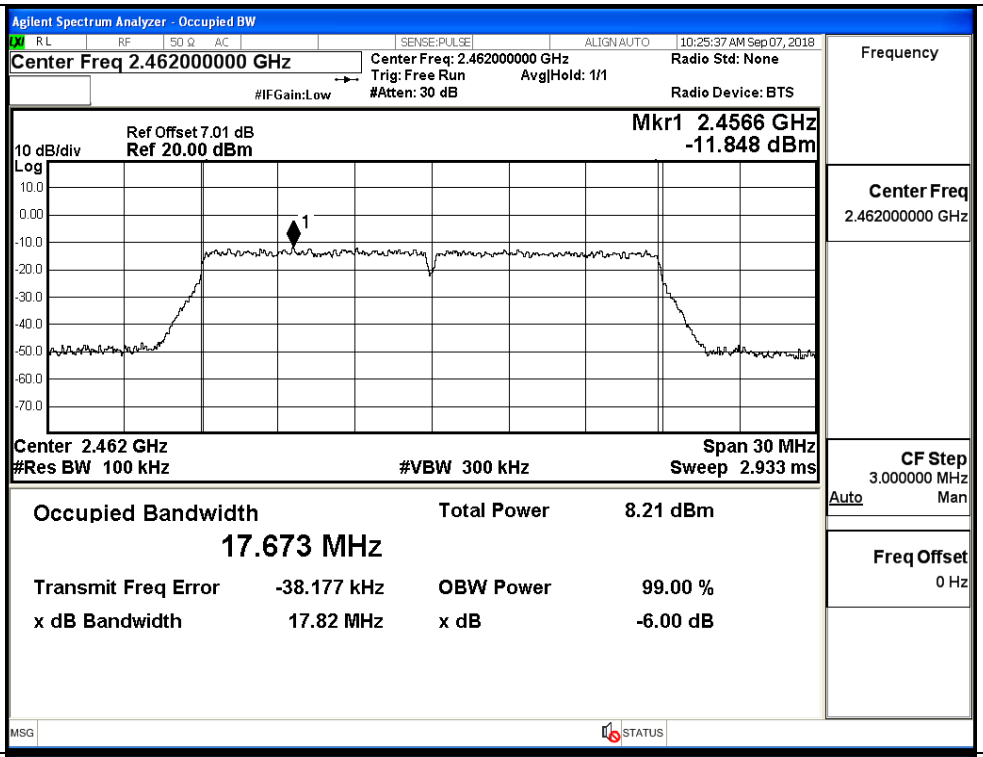
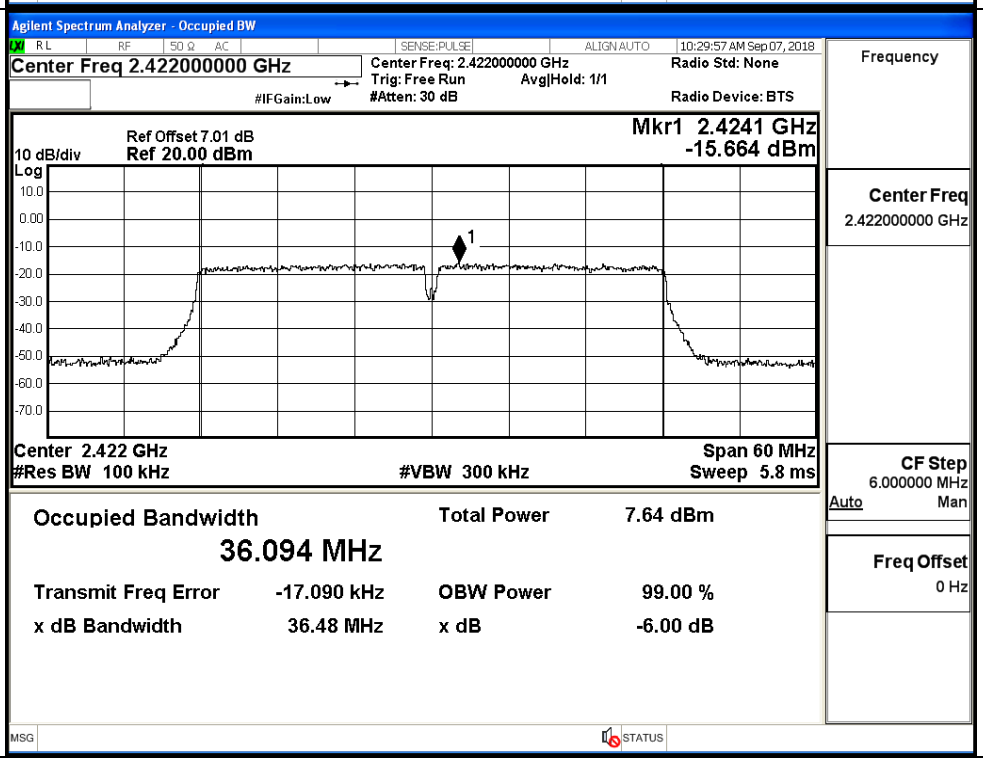
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.129	≥0.5	PASS
	MCH	9.587	≥0.5	PASS
	HCH	9.126	≥0.5	PASS
11G	LCH	16.61	≥0.5	PASS
	MCH	16.60	≥0.5	PASS
	HCH	16.60	≥0.5	PASS
11N20SISO	LCH	17.83	≥0.5	PASS
	MCH	17.82	≥0.5	PASS
	HCH	17.82	≥0.5	PASS
11N40SISO	LCH	36.48	≥0.5	PASS
	MCH	36.50	≥0.5	PASS
	HCH	36.52	≥0.5	PASS

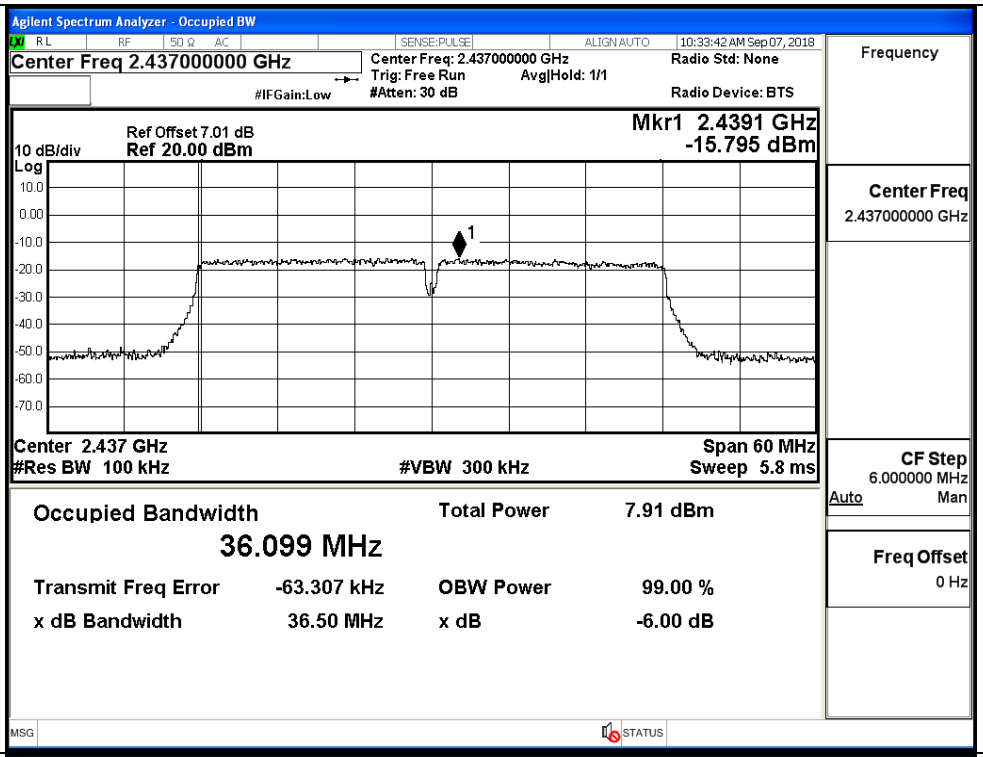
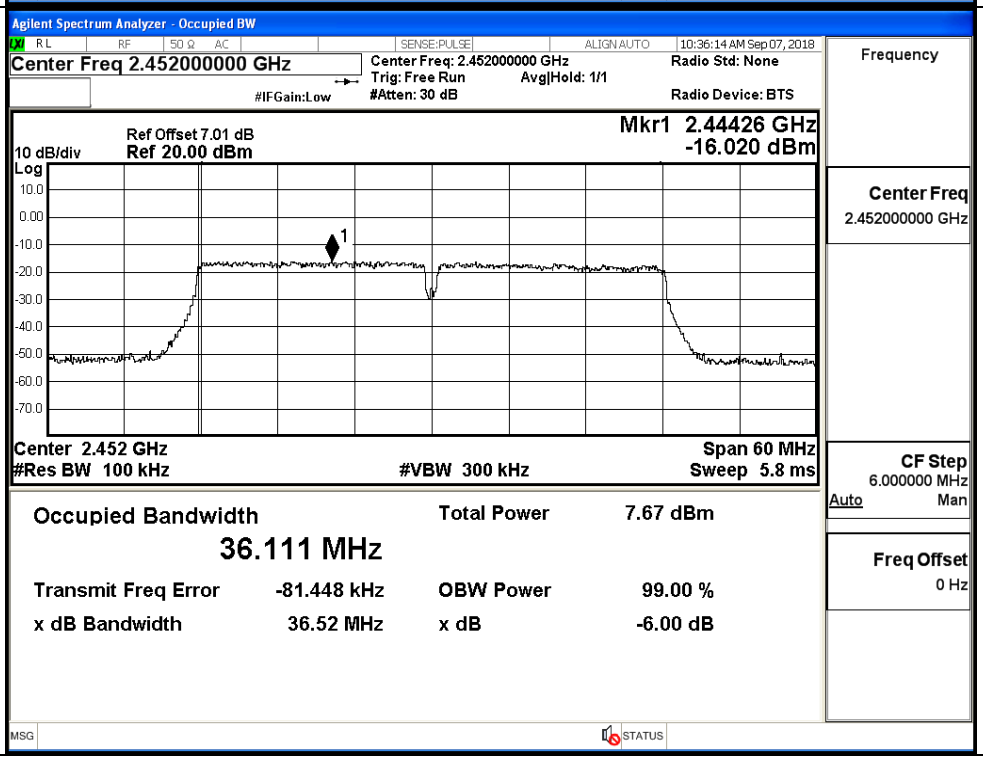
Test Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

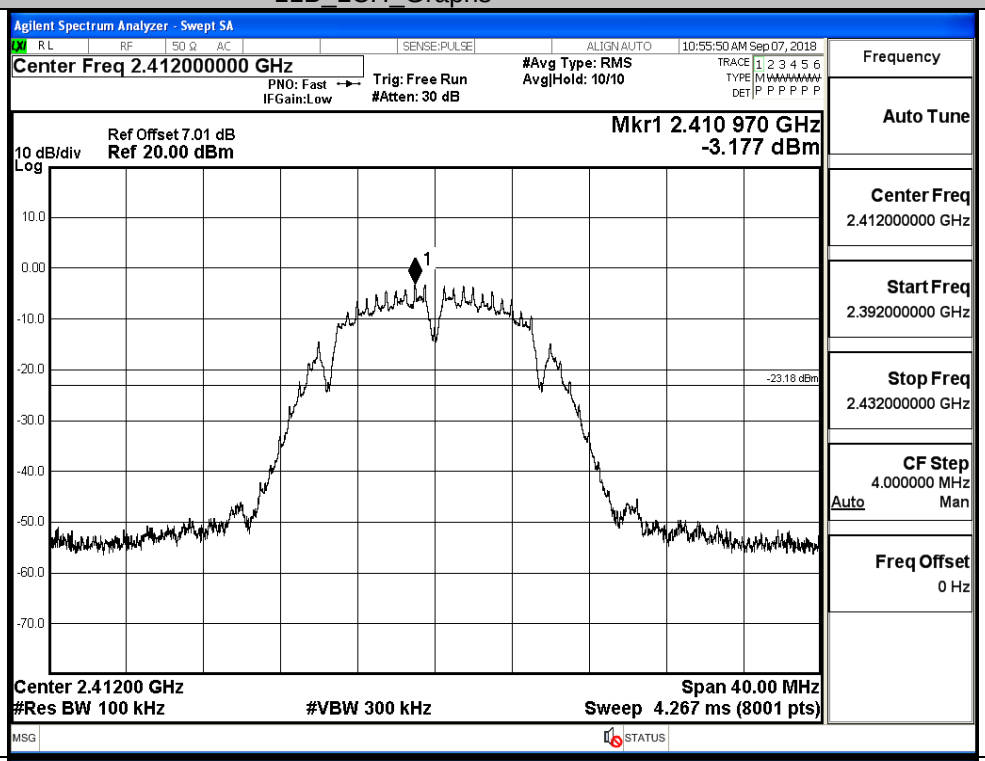
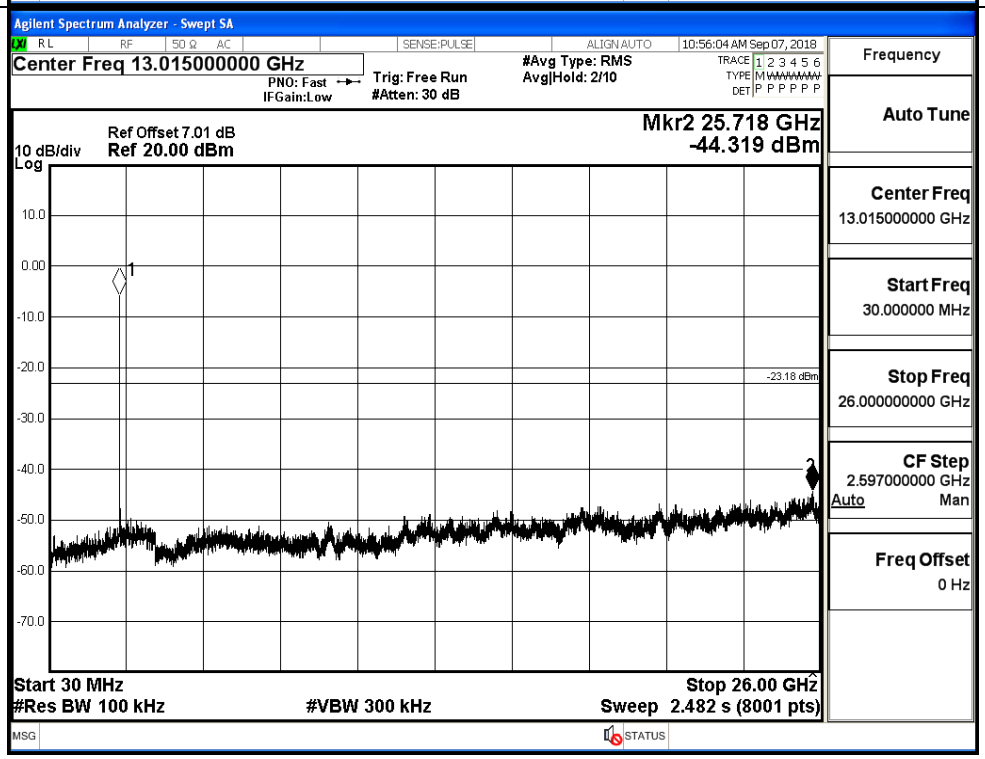
11N20SISO/LCH	
11N20SISO/MCH	

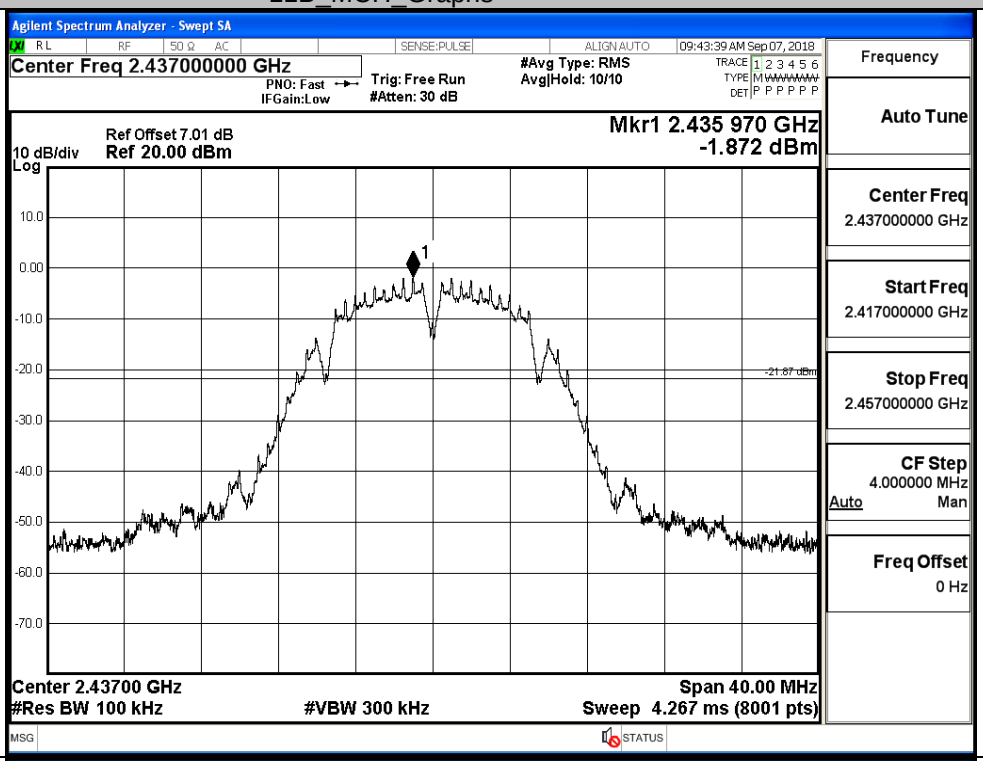
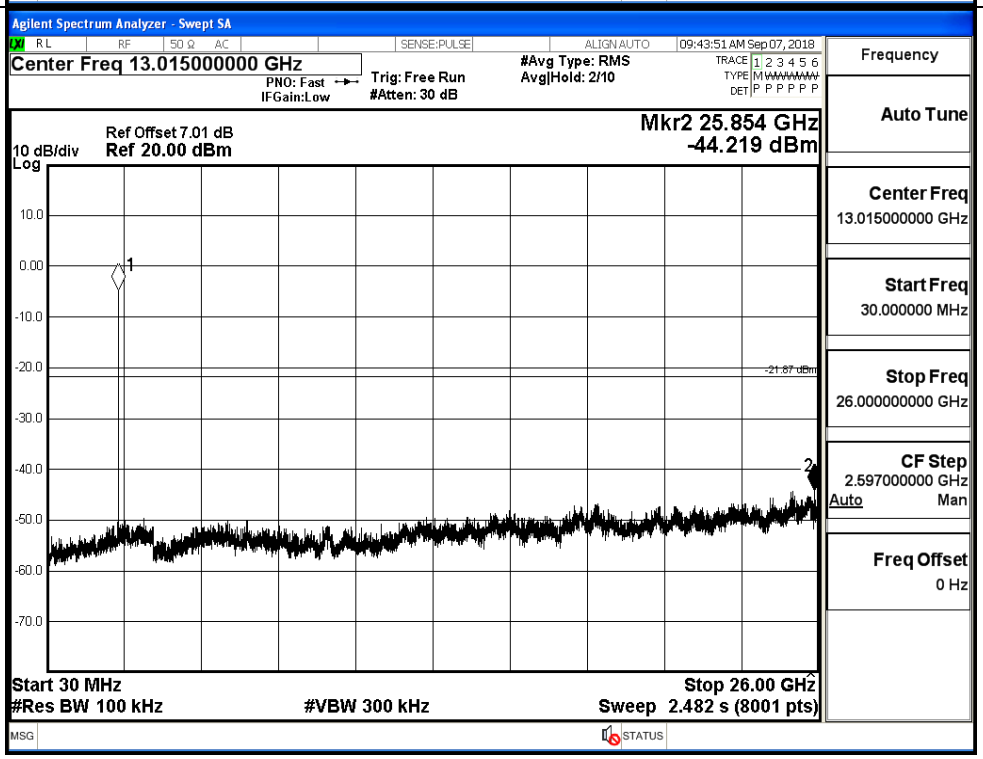
11N20SISO/HCH		
11N40SISO/LCH		

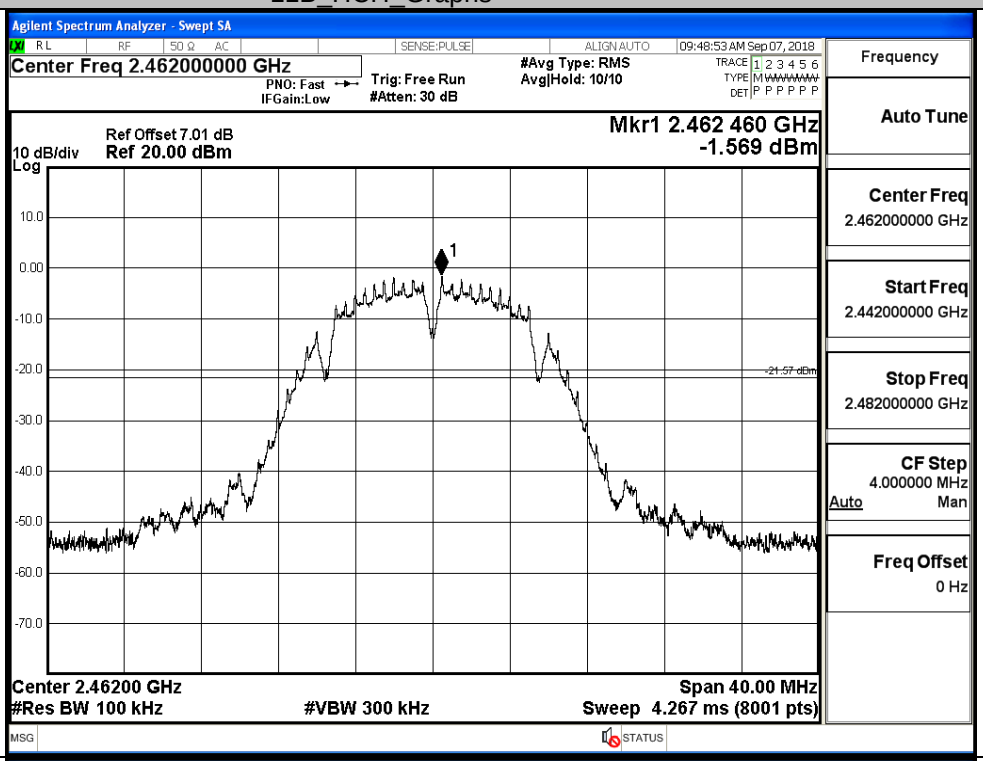
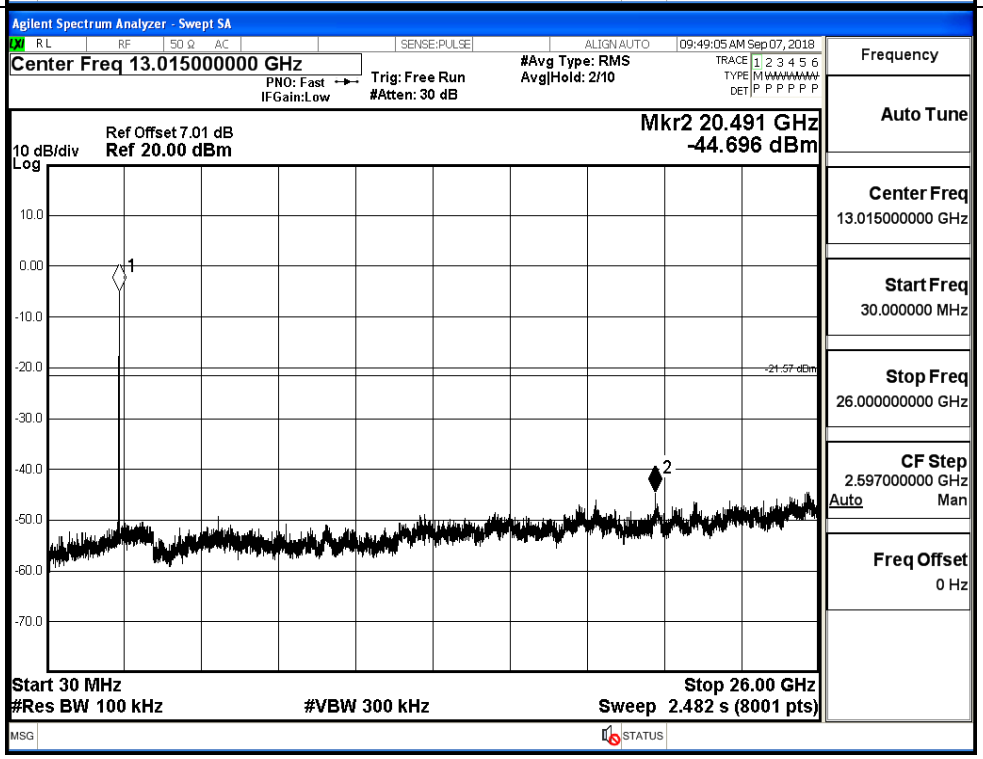
11N40SISO/MCH		
11N40SISO/HCH		

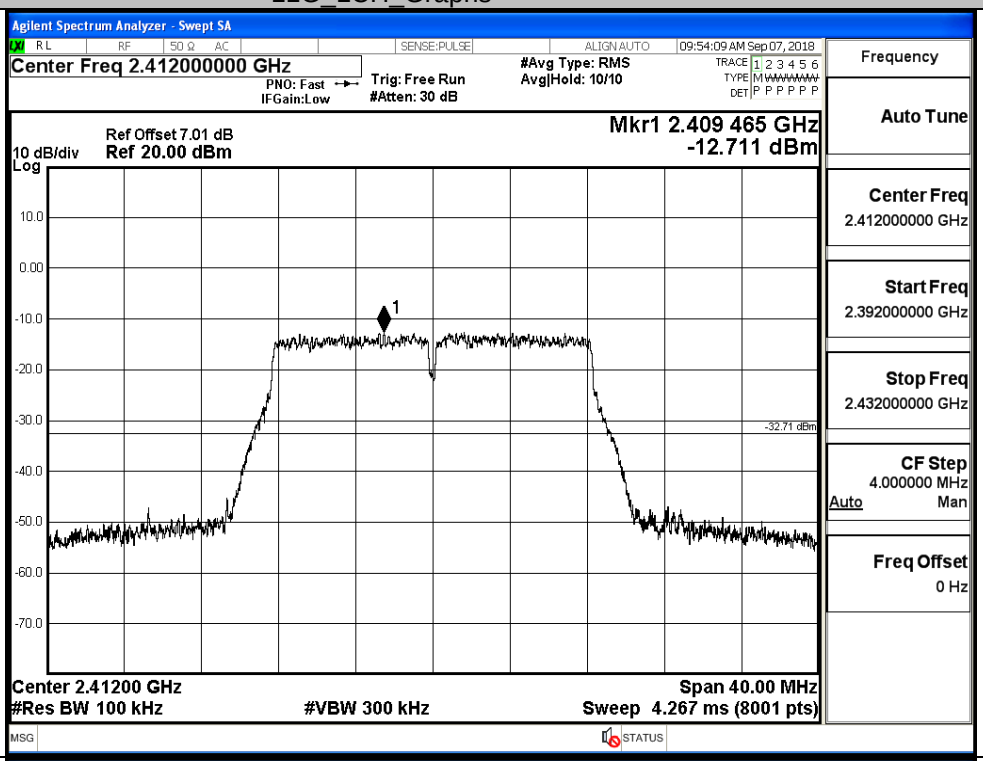
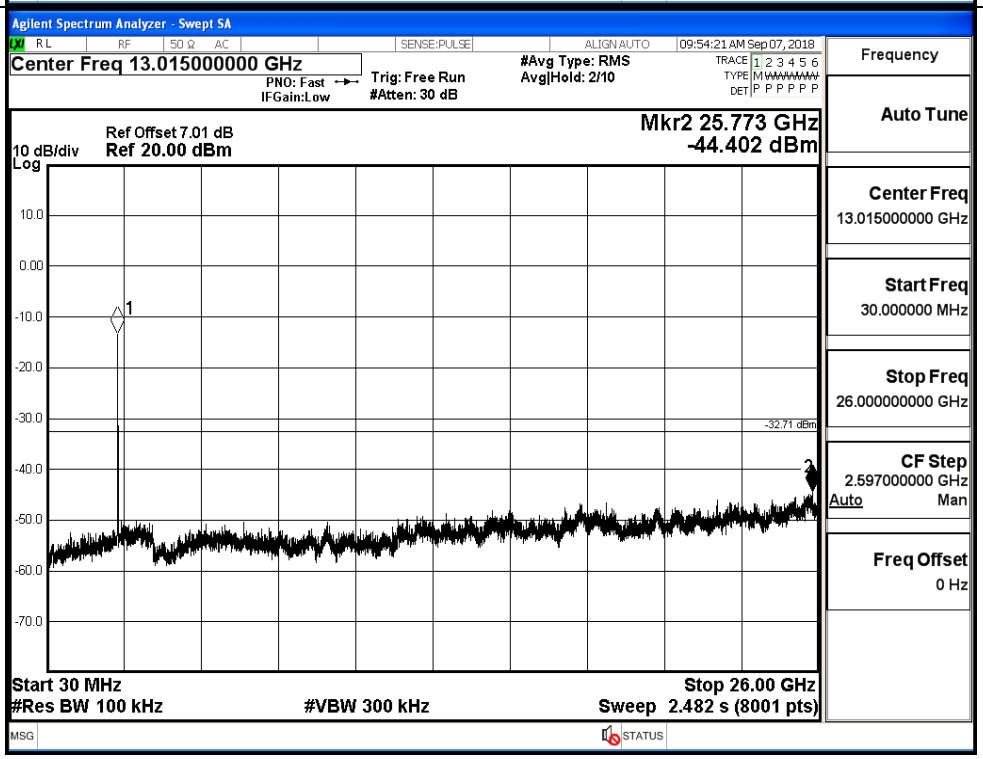
C.5 RF Conducted Spurious Emissions

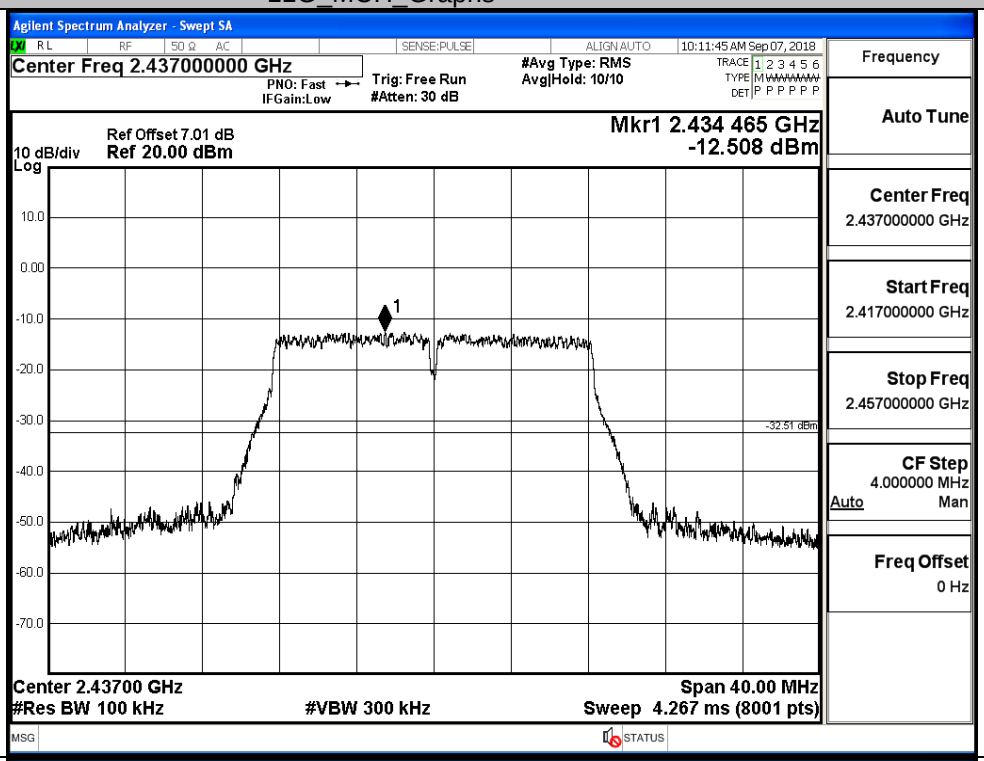
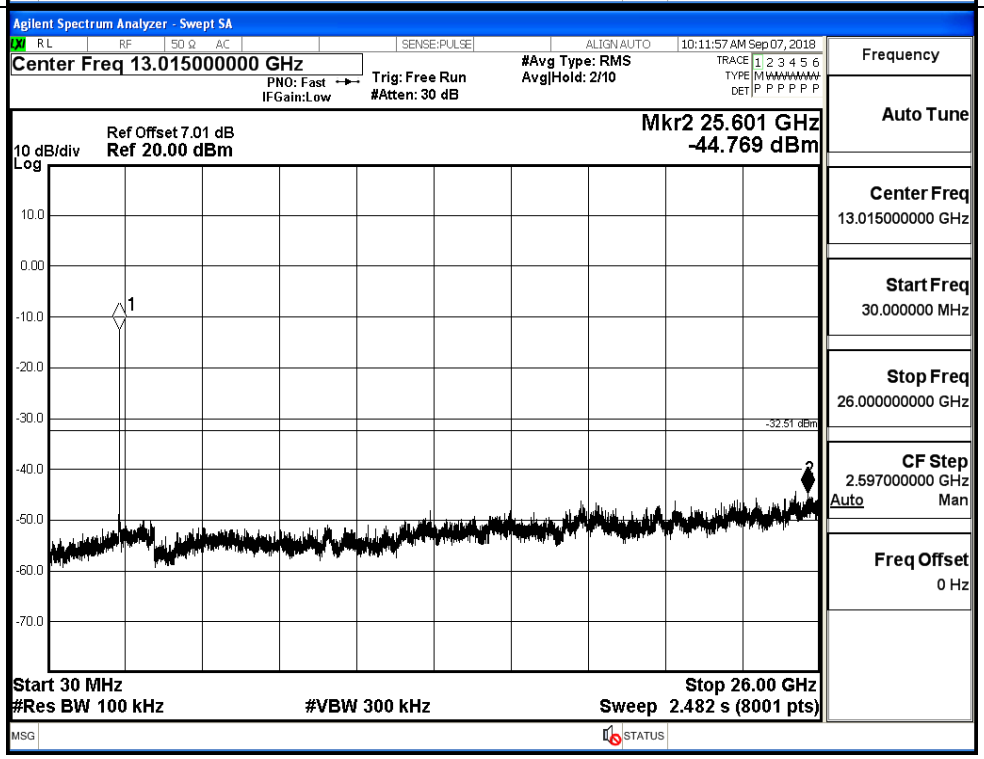
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-3.177	-44.319	-23.177	PASS
	MCH	-1.872	-44.219	-21.872	PASS
	HCH	-1.569	-44.696	-21.569	PASS
11G	LCH	-12.711	-44.402	-32.711	PASS
	MCH	-12.508	-44.769	-32.508	PASS
	HCH	-12.522	-45.055	-32.522	PASS
11N20 SISO	LCH	-12.186	-45.402	-32.186	PASS
	MCH	-12.135	-44.308	-32.135	PASS
	HCH	-12.154	-44.646	-32.154	PASS
11N40 SISO	LCH	-15.798	-44.718	-35.798	PASS
	MCH	-15.777	-44.515	-35.777	PASS
	HCH	-16.321	-44.709	-36.321	PASS

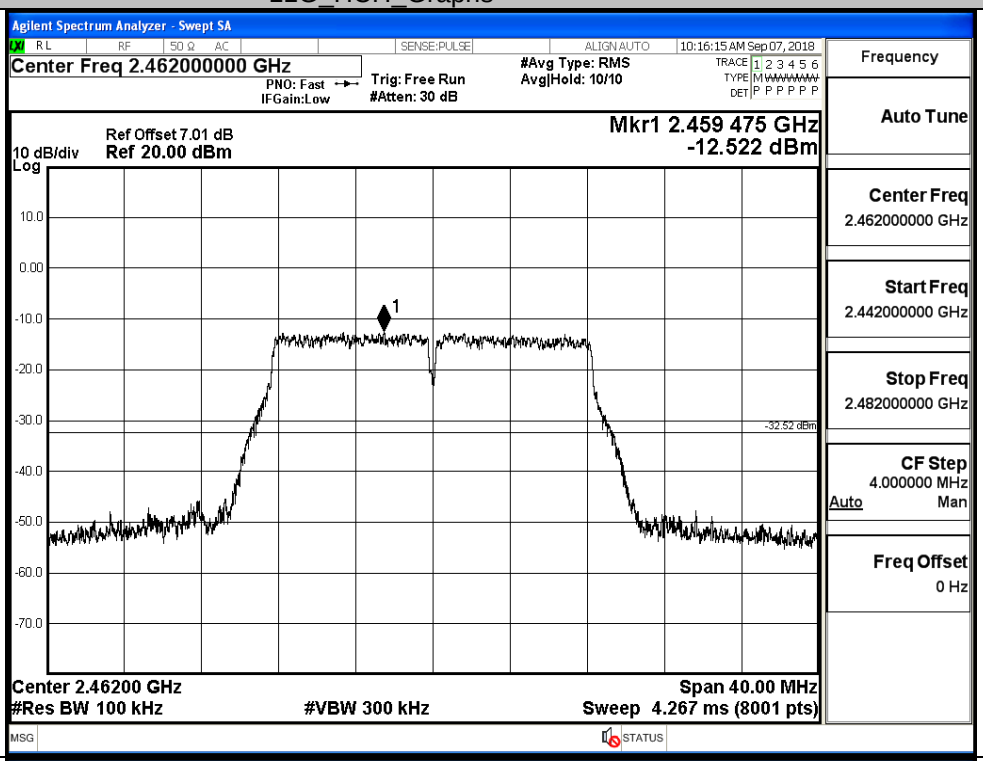
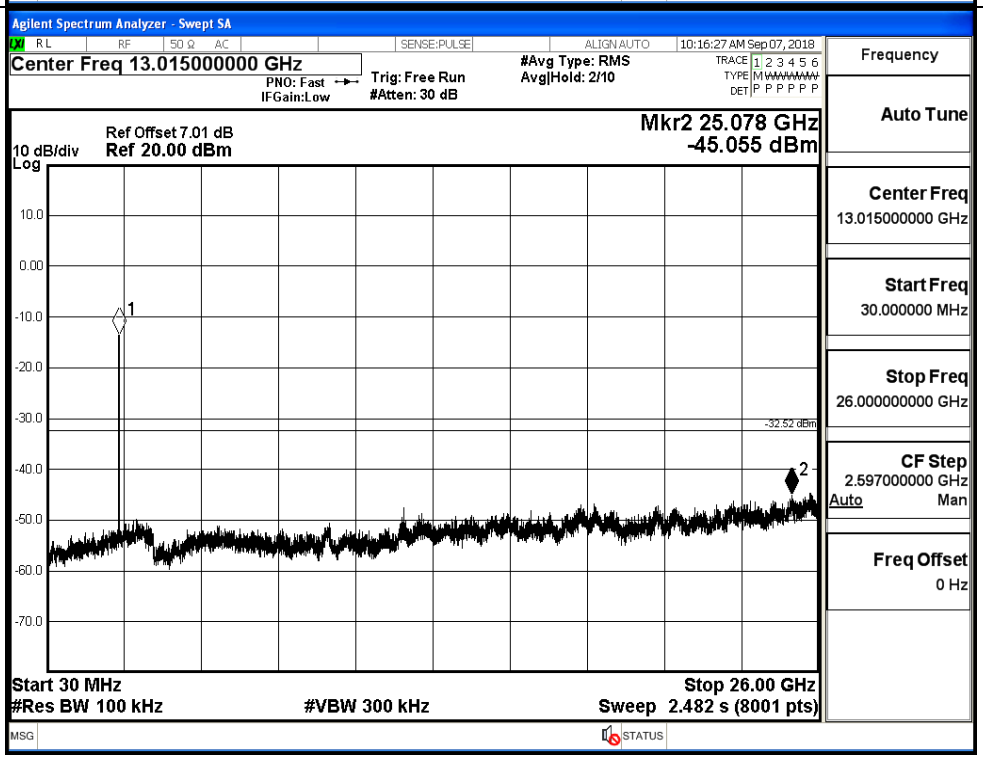
11B_LCH_Graphs		
Pref/11B/LCH		
Puw/11B/LCH		

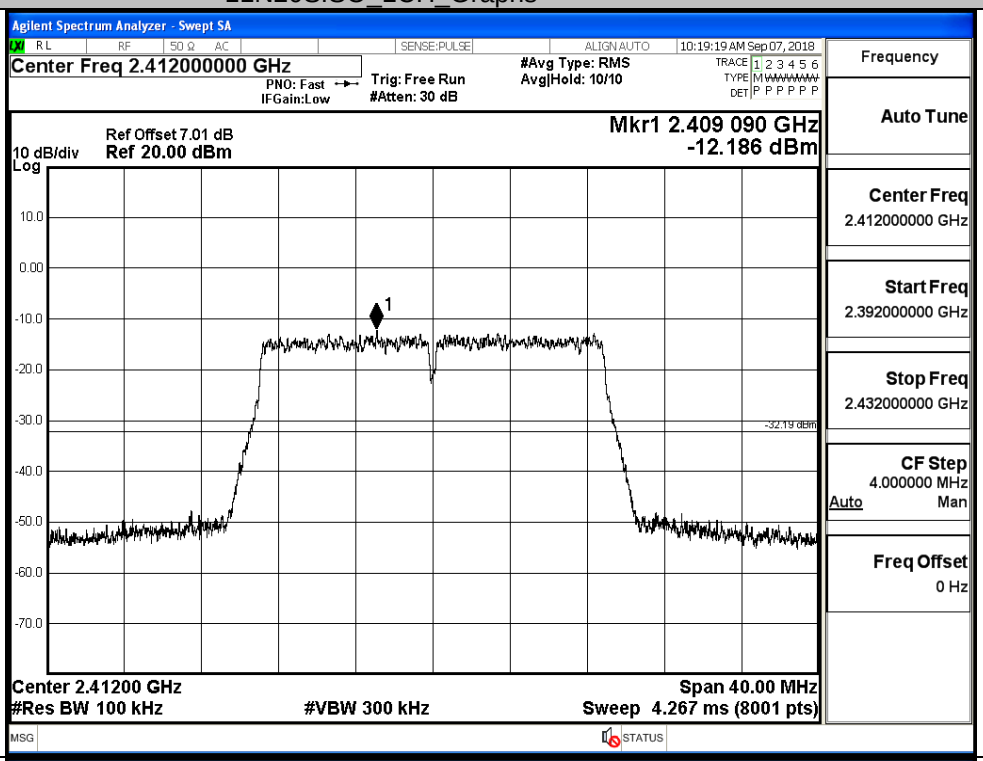
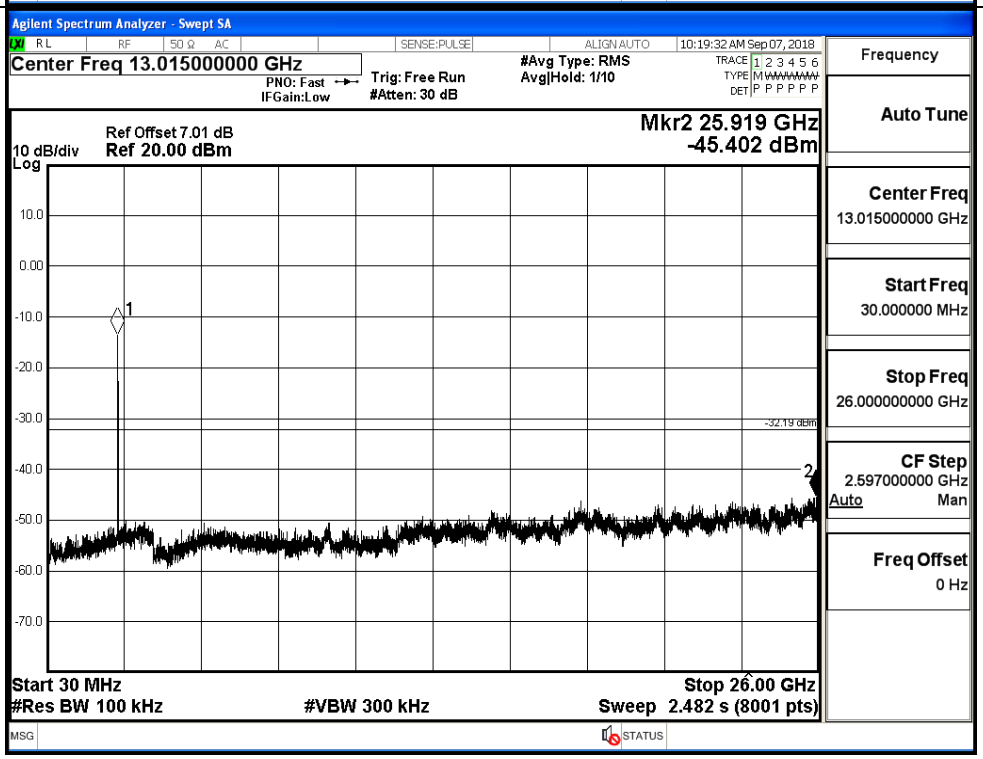
11B_MCH_Graphs		
Pref/11B/MCH		
Puw/11B/MCH		

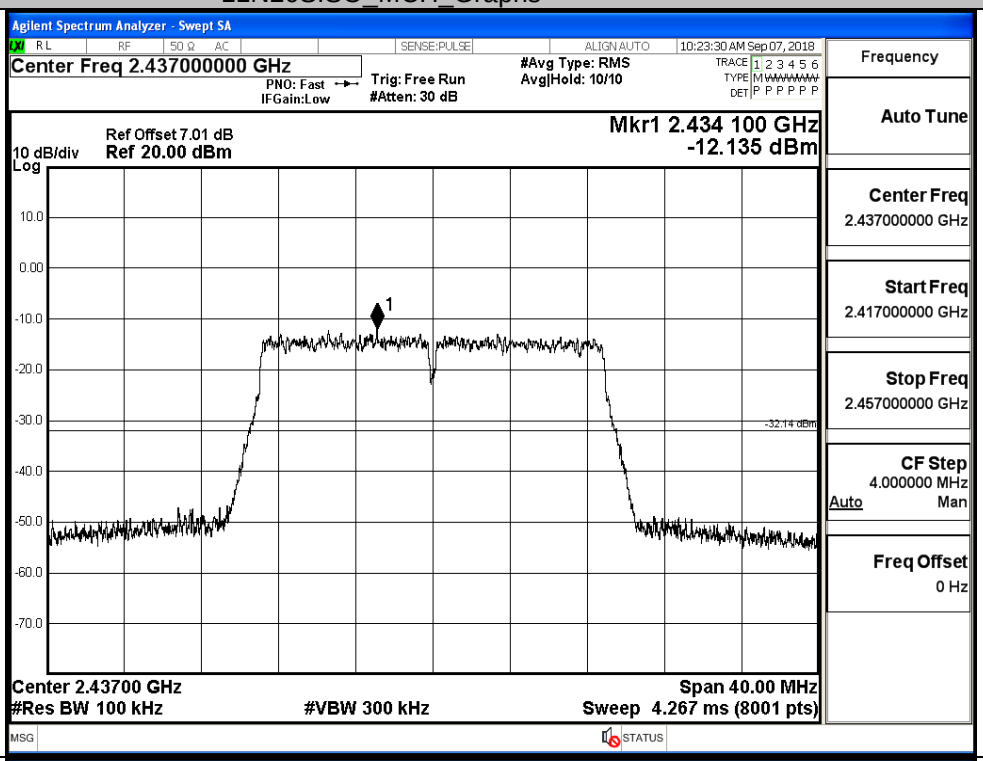
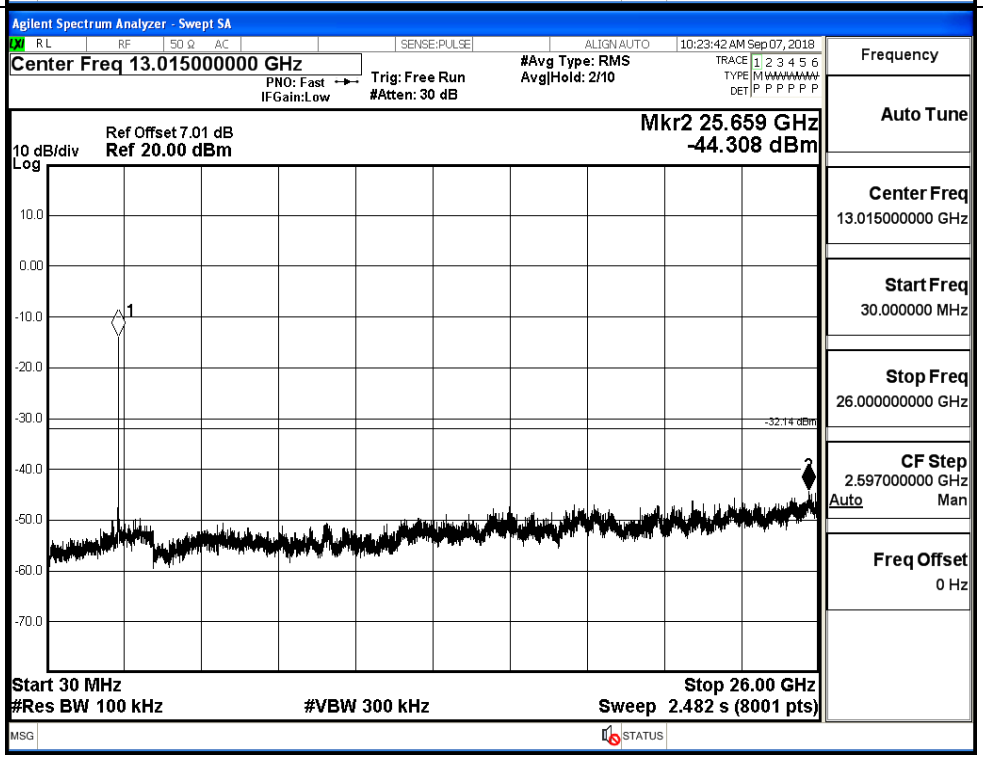
11B_HCH_Graphs	
Pref/11B/HCH	
Puw/11B/HCH	

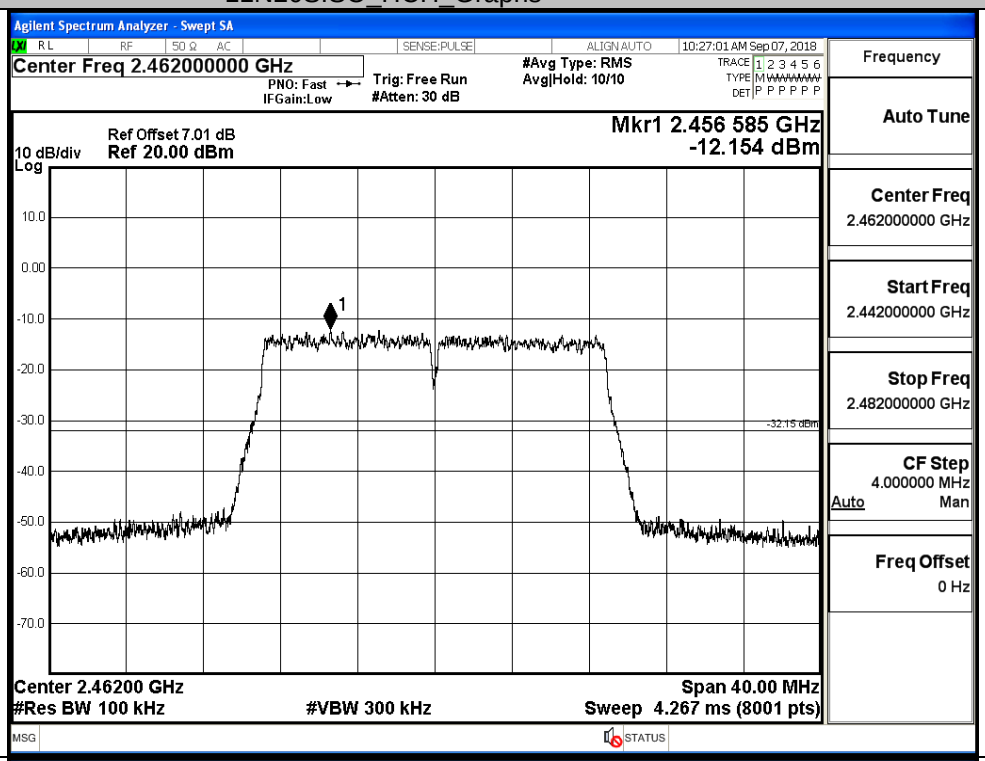
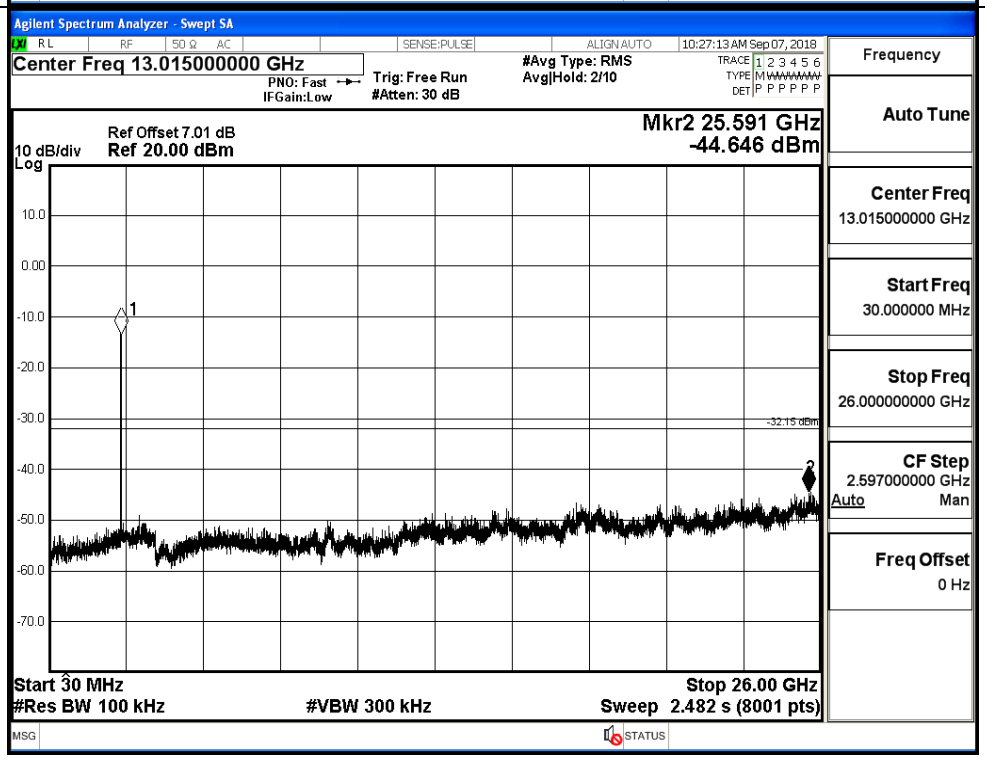
11G_LCH_Graphs		
Pref/11G/LCH		
Puw/11G/LCH		

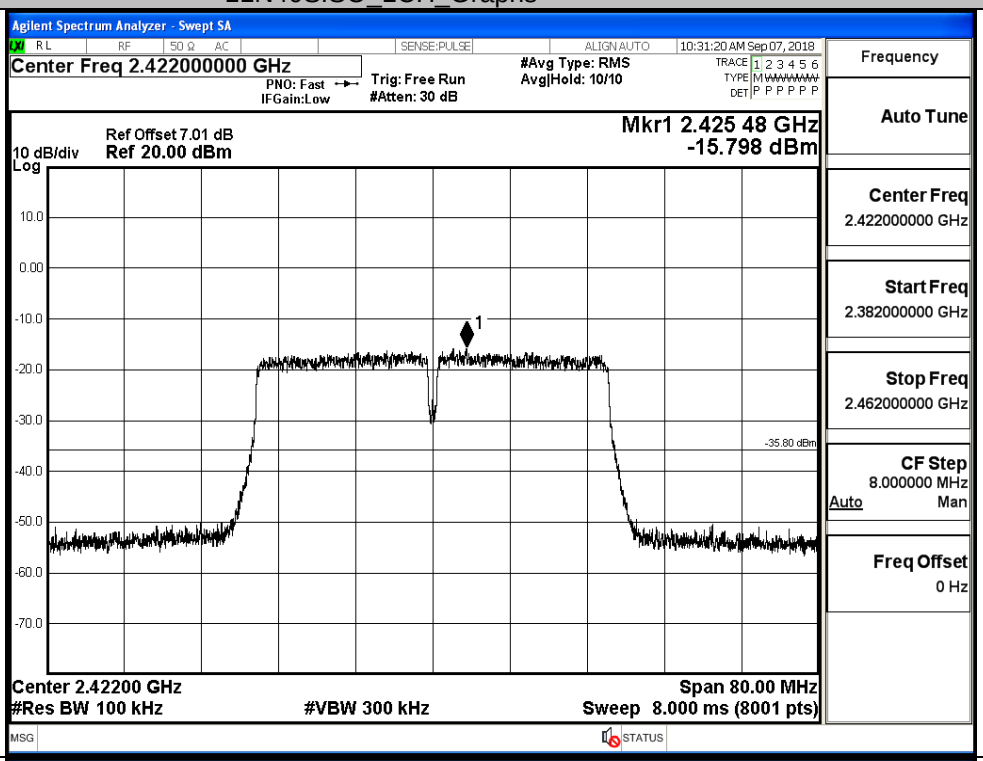
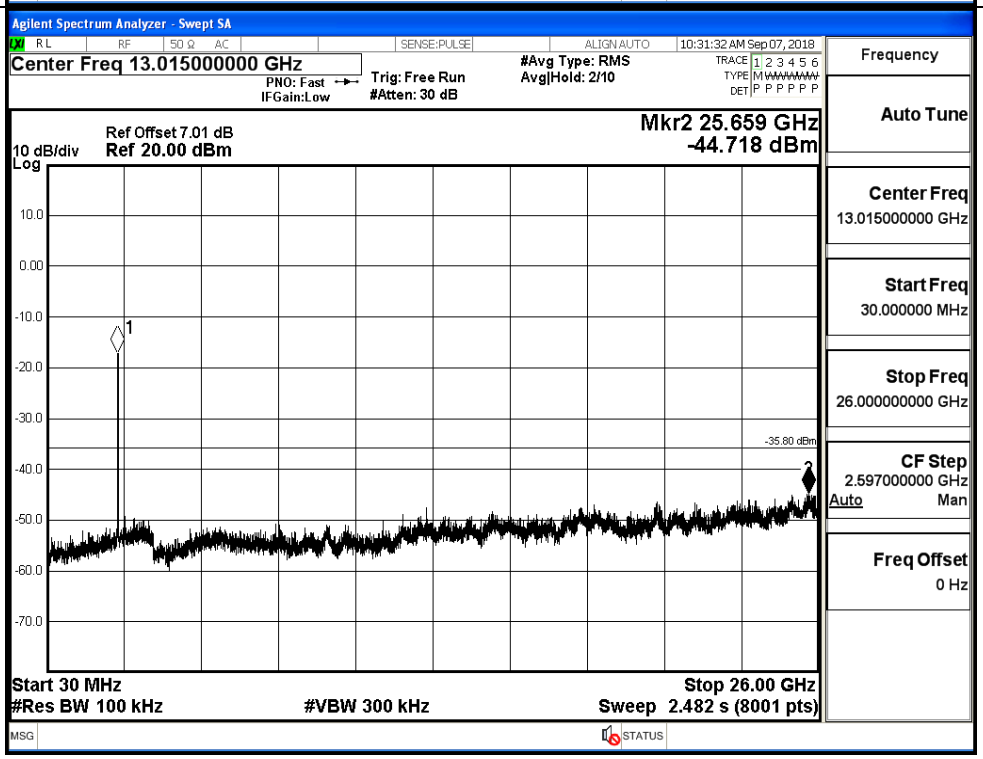
11G_MCH_Graphs		
Pref/11G/MCH		
Puw/11G/MCH		

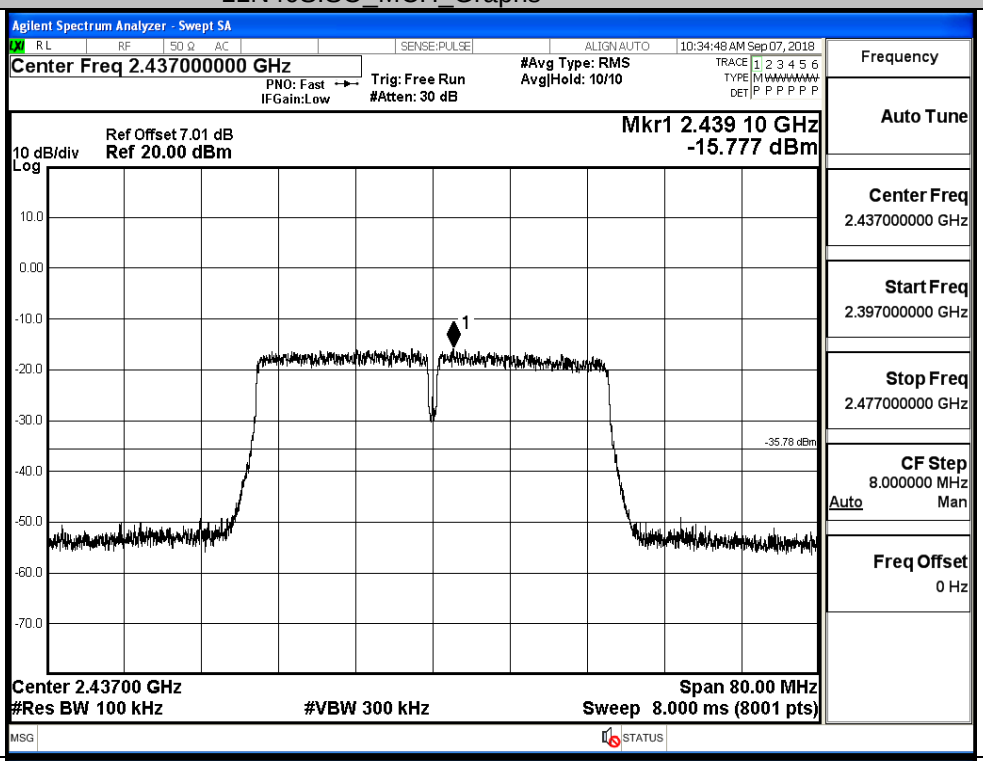
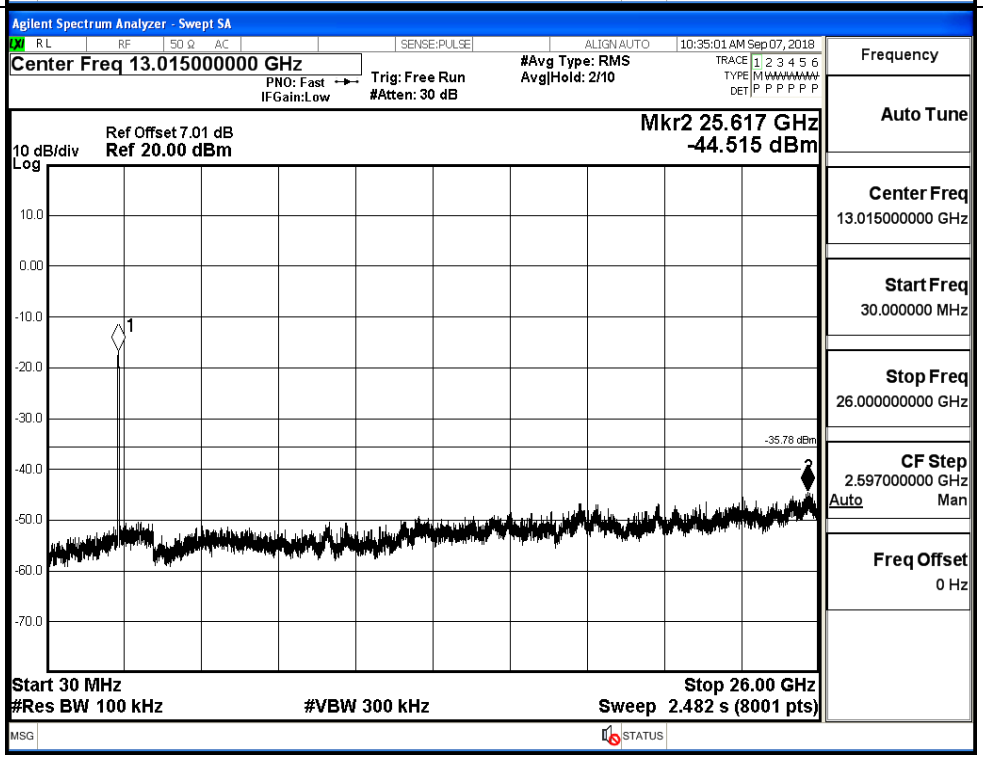
11G_HCH_Graphs		
Pref/11G/HCH		
Puw/11G/HCH		

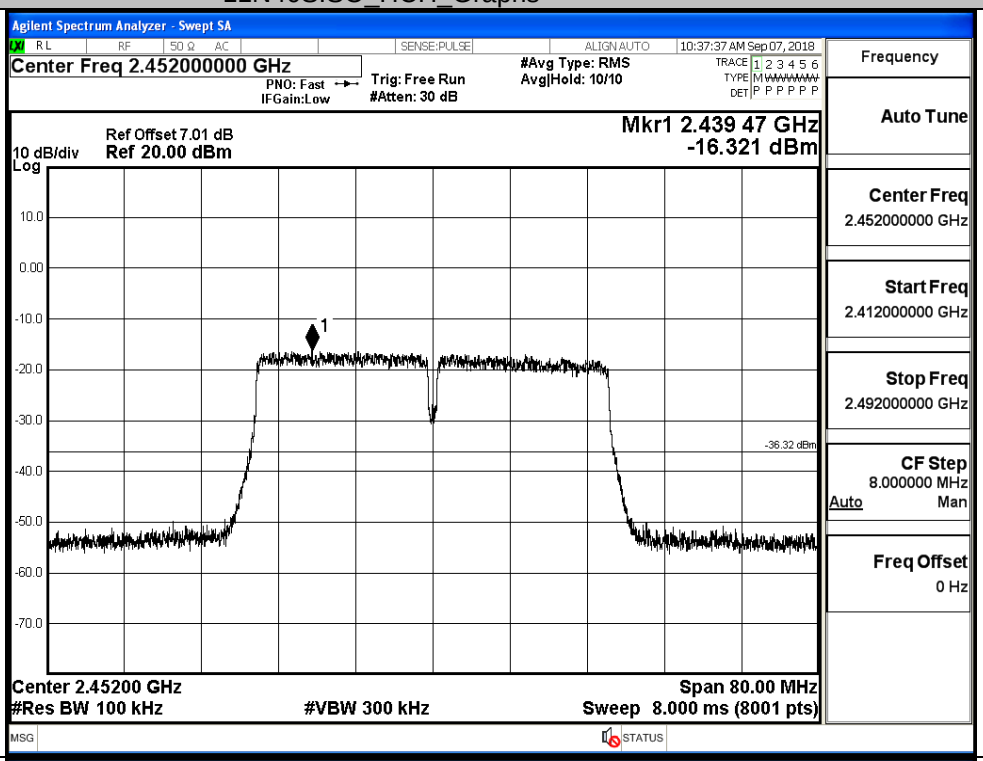
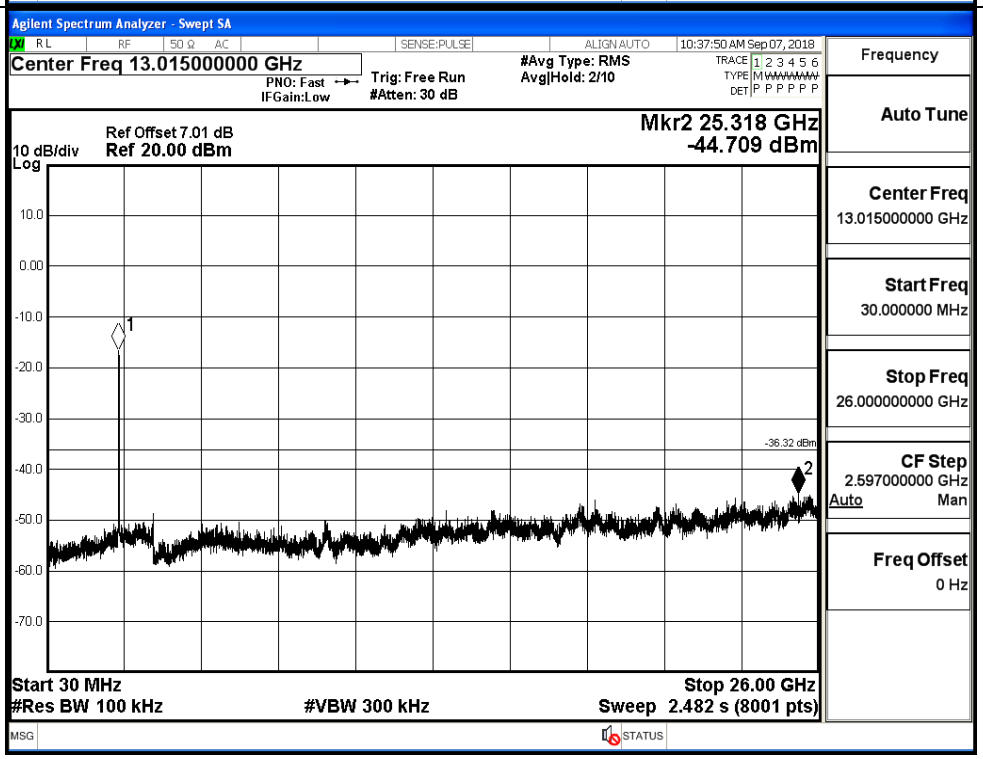
11N20SISO_LCH_Graphs		
Pref/11N20SISO/LCH		
Puw/11N20SISO/LCH		

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

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

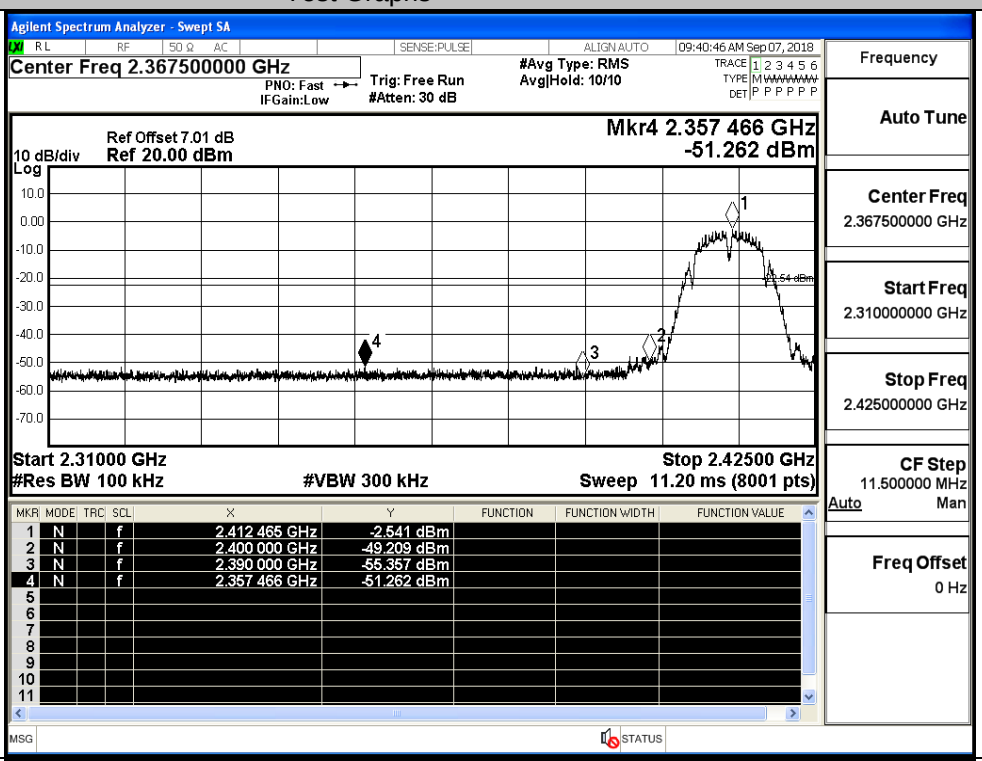
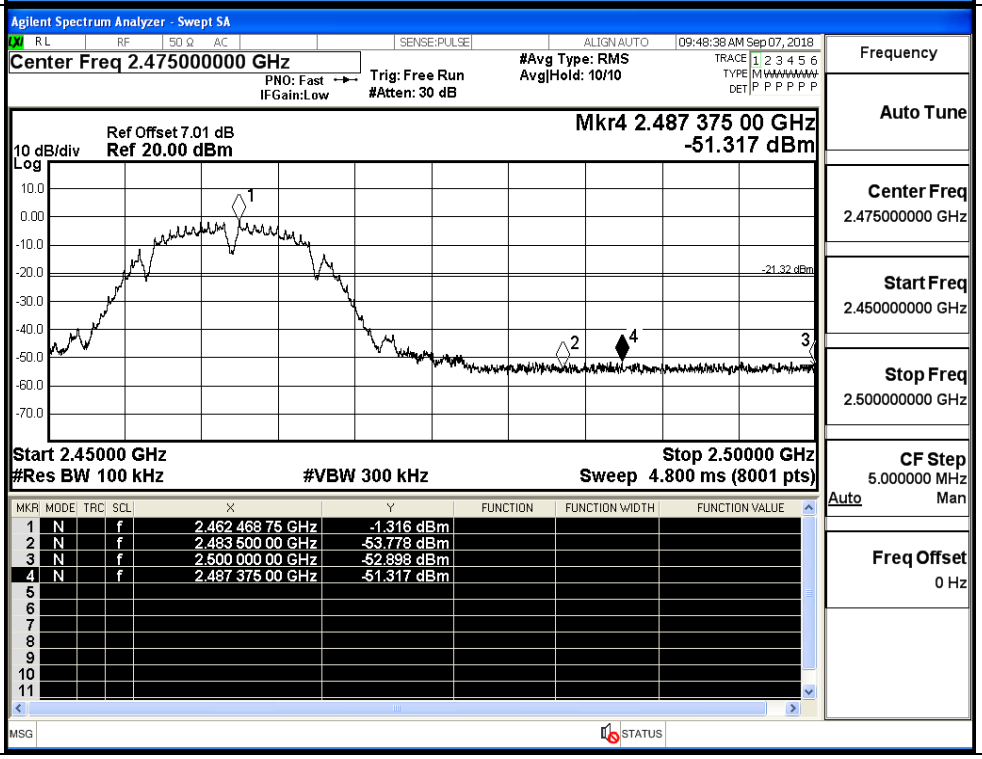
11N40SISO_LCH_Graphs		
Pref/11N40 SISO/LCH		
Puw/11N40 SISO/LCH		

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

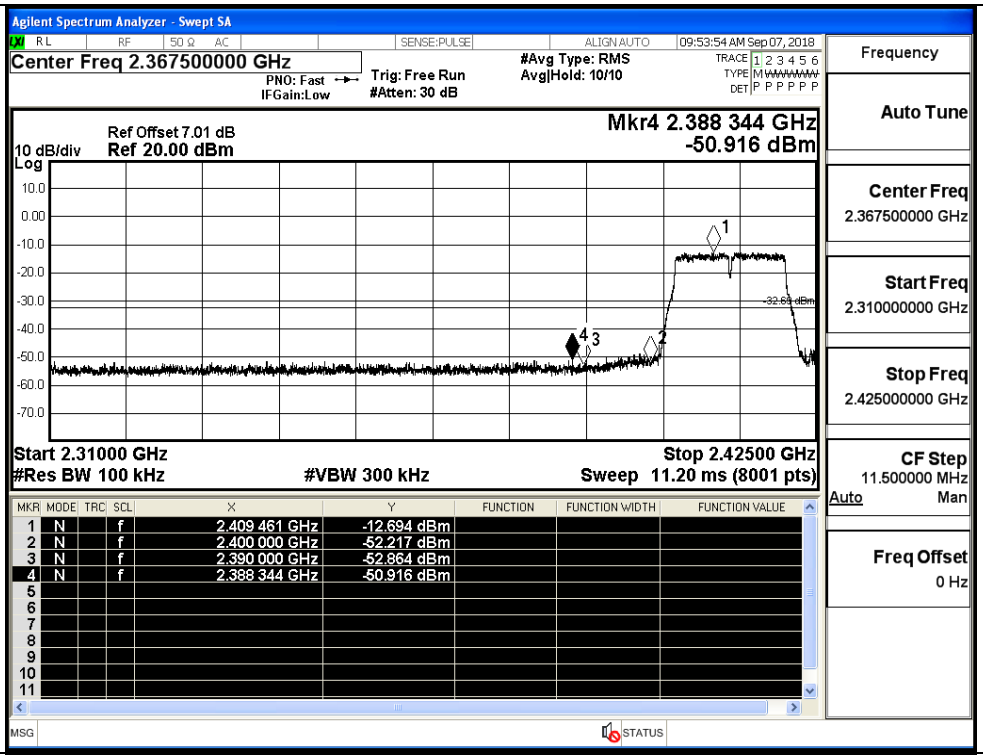
11N40SISO_HCH_Graphs	
Pref/11N40 SISO/HCH	
Puw/11N40 SISO/HCH	

C.6 Band-edge for RF Conducted Emissions

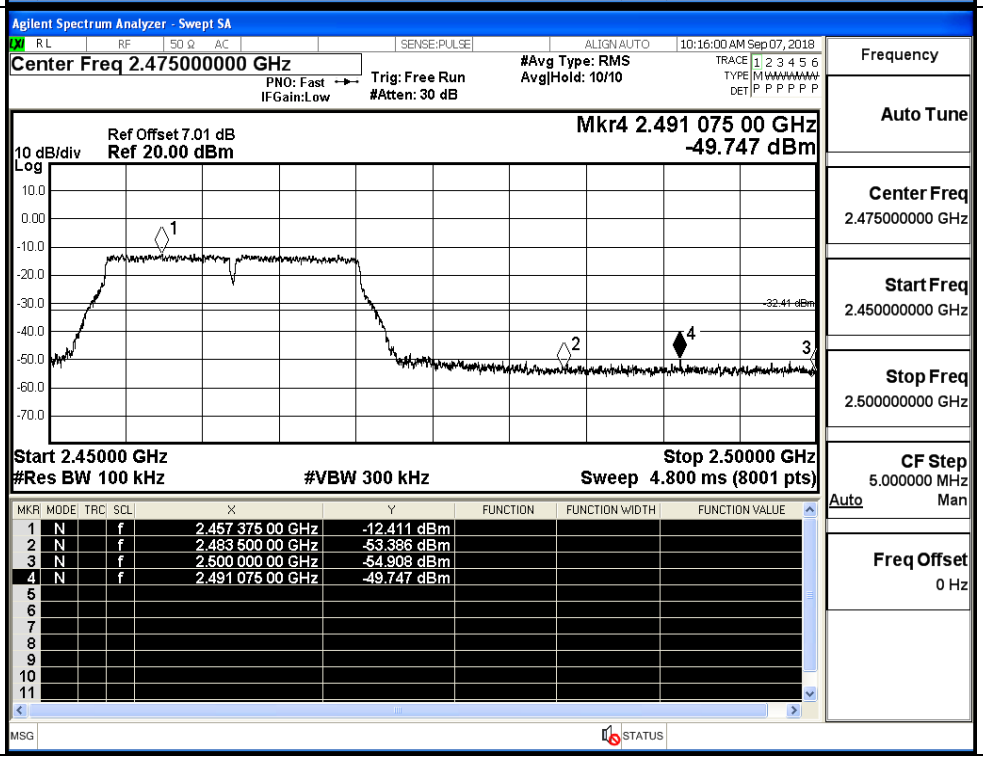
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.541	-51.262	-22.54	PASS
	HCH	-1.316	-51.317	-21.32	PASS
11G	LCH	-12.694	-50.916	-32.69	PASS
	HCH	-12.411	-49.747	-32.41	PASS
11N20SISO	LCH	-12.763	-50.597	-32.76	PASS
	HCH	-12.182	-50.310	-32.18	PASS
11N40SISO	LCH	-15.934	-51.435	-35.93	PASS
	HCH	-15.956	-51.386	-35.96	PASS

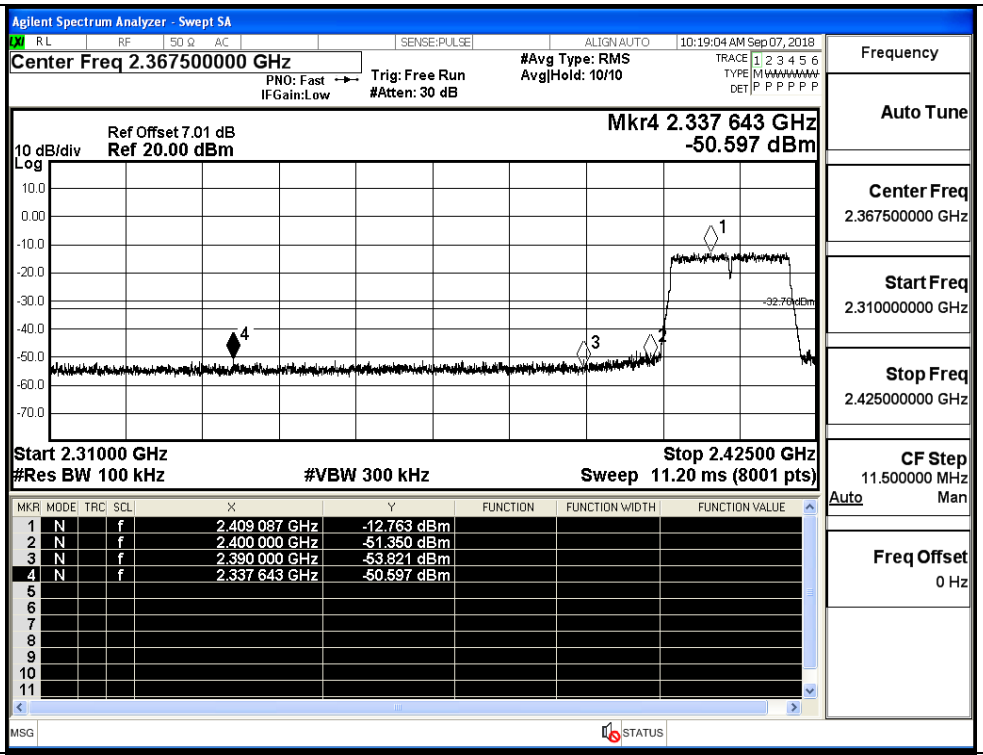
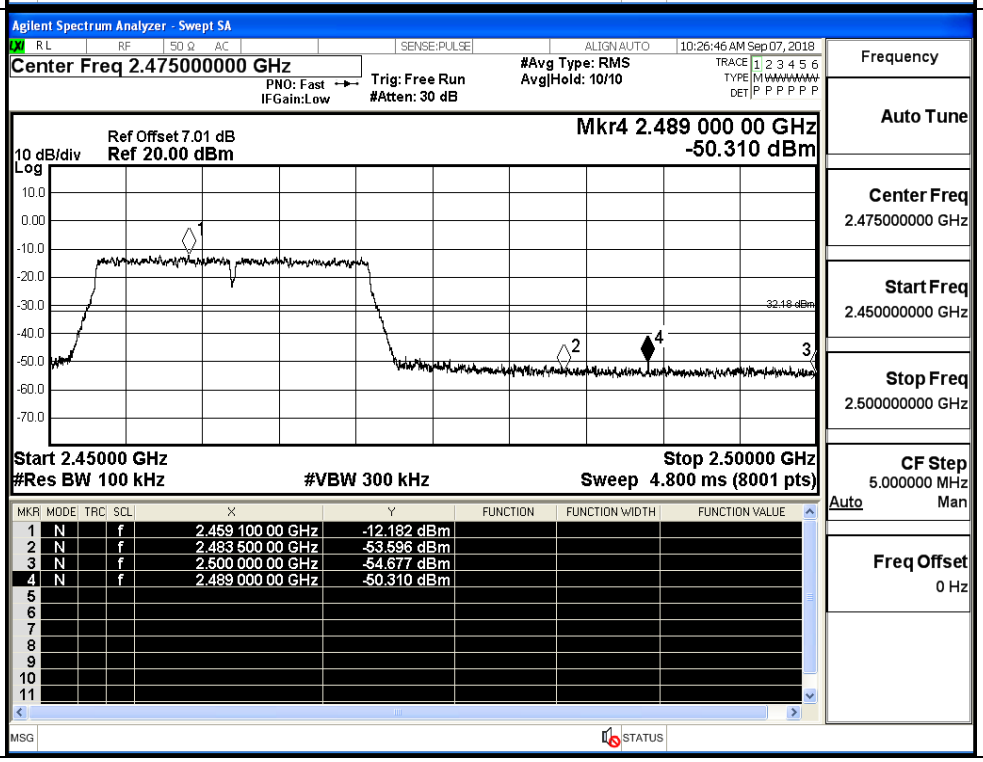
Test Graphs		
11B/LCH		
11B/HCH		

11G/LCH

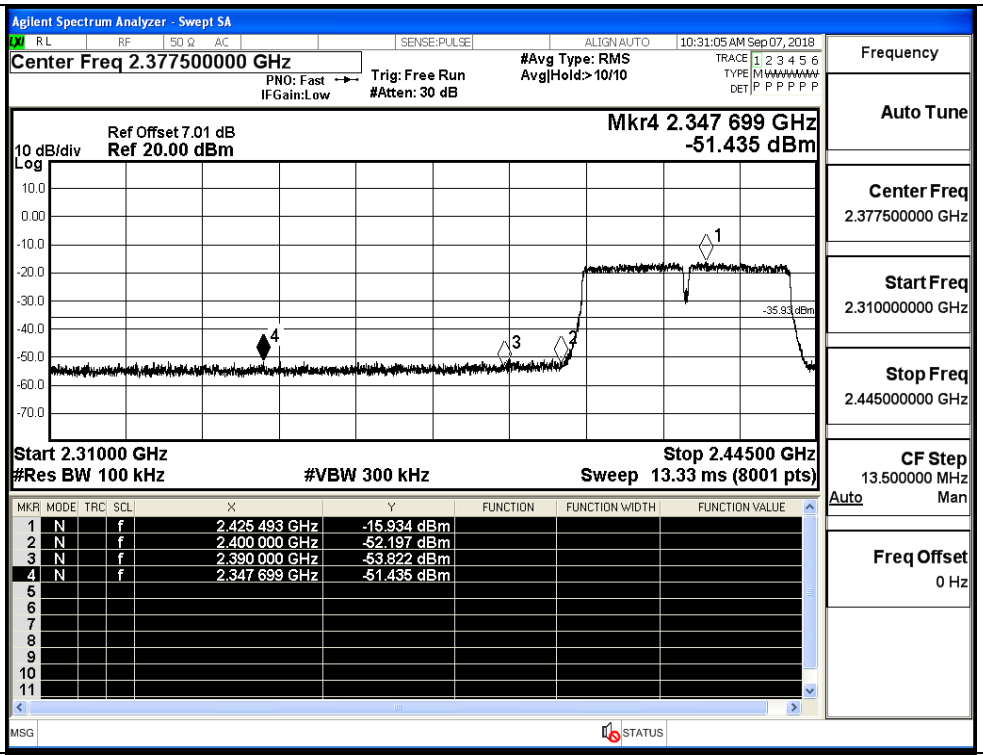


11G/HCH

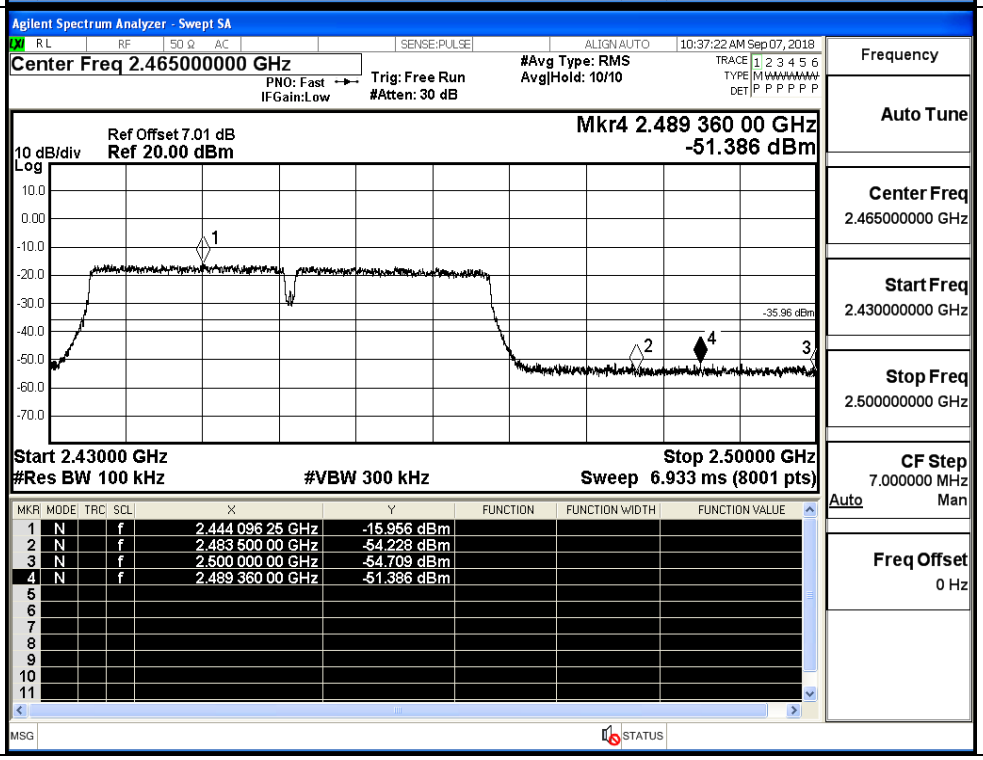


11N20SISO/LCH		
11N20SISO/HCH		

11N40SISO/LCH



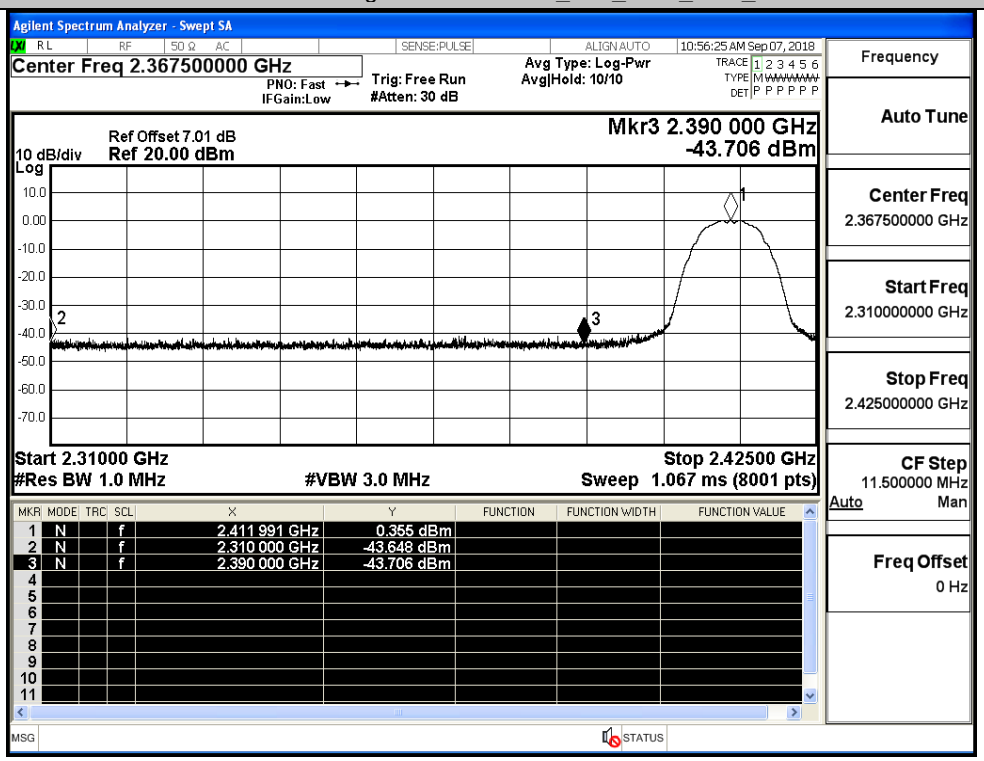
11N40SISO/HCH



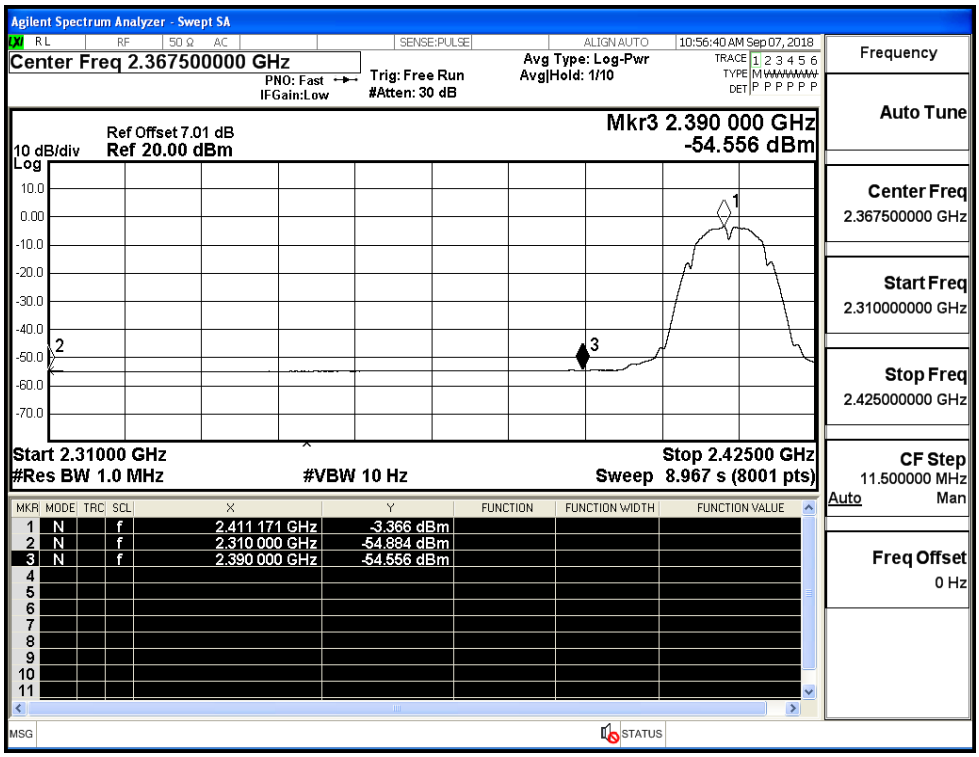
C.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-43.648	2.50	0	54.080	PEAK	74	PASS
	2412	Ant1	2310.0	-54.884	2.50	0	42.844	AV	54	PASS
	2412	Ant1	2390.0	-43.706	2.50	0	54.022	PEAK	74	PASS
	2412	Ant1	2390.0	-54.566	2.50	0	43.162	AV	54	PASS
	2462	Ant1	2483.5	-42.538	2.50	0	55.190	PEAK	74	PASS
	2462	Ant1	2483.5	-52.245	2.50	0	45.483	AV	54	PASS
	2462	Ant1	2500.0	-43.840	2.50	0	53.888	PEAK	74	PASS
	2462	Ant1	2500.0	-54.232	2.50	0	43.496	AV	54	PASS
11G	2412	Ant1	2310.0	-44.098	2.50	0	53.630	PEAK	74	PASS
	2412	Ant1	2310.0	-54.943	2.50	0	42.785	AV	54	PASS
	2412	Ant1	2390.0	-44.458	2.50	0	53.270	PEAK	74	PASS
	2412	Ant1	2390.0	-54.184	2.50	0	43.544	AV	54	PASS
	2462	Ant1	2483.5	-43.759	2.50	0	53.969	PEAK	74	PASS
	2462	Ant1	2483.5	-54.031	2.50	0	43.697	AV	54	PASS
	2462	Ant1	2500.0	-44.713	2.50	0	53.015	PEAK	74	PASS
	2462	Ant1	2500.0	-54.120	2.50	0	43.608	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.818	2.50	0	53.910	PEAK	74	PASS
	2412	Ant1	2310.0	-54.939	2.50	0	42.789	AV	54	PASS
	2412	Ant1	2390.0	-43.739	2.50	0	53.989	PEAK	74	PASS
	2412	Ant1	2390.0	-54.002	2.50	0	43.726	AV	54	PASS
	2462	Ant1	2483.5	-43.987	2.50	0	53.741	PEAK	74	PASS
	2462	Ant1	2483.5	-53.929	2.50	0	43.799	AV	54	PASS
	2462	Ant1	2500.0	-43.979	2.50	0	53.749	PEAK	74	PASS
	2462	Ant1	2500.0	-54.121	2.50	0	43.607	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-44.662	2.50	0	53.066	PEAK	74	PASS
	2422	Ant1	2310.0	-54.953	2.50	0	42.775	AV	54	PASS
	2422	Ant1	2390.0	-43.597	2.50	0	54.131	PEAK	74	PASS
	2422	Ant1	2390.0	-53.843	2.50	0	43.885	AV	54	PASS
	2452	Ant1	2483.5	-42.279	2.50	0	55.449	PEAK	74	PASS
	2452	Ant1	2483.5	-54.108	2.50	0	43.620	AV	54	PASS
	2452	Ant1	2500.0	-43.804	2.50	0	53.924	PEAK	74	PASS
	2452	Ant1	2500.0	-54.193	2.50	0	43.535	AV	54	PASS

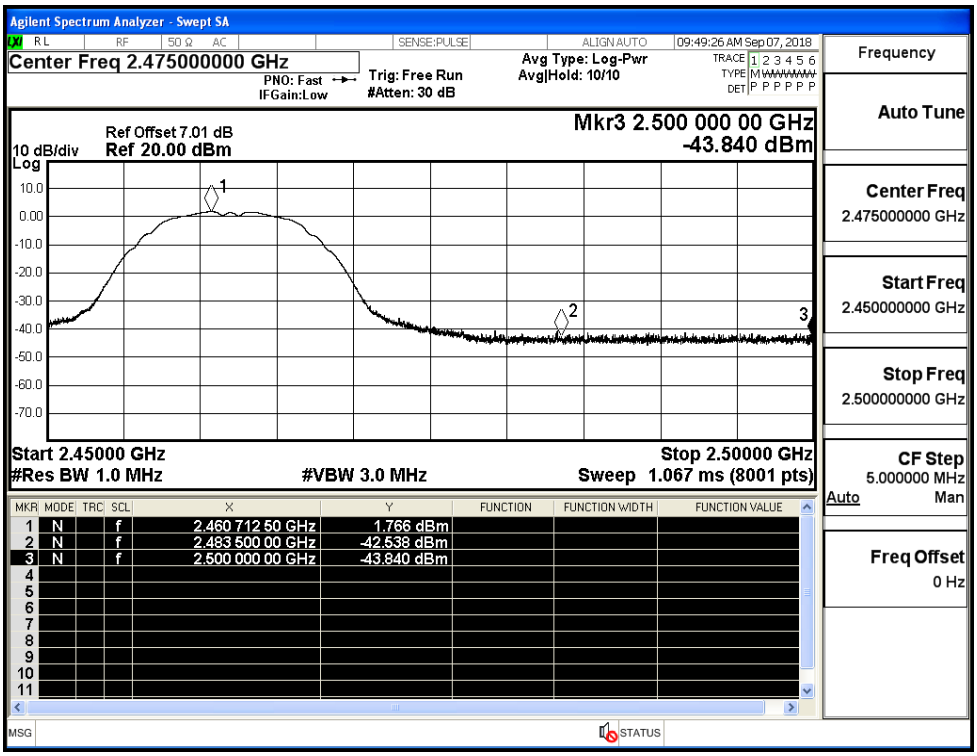
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



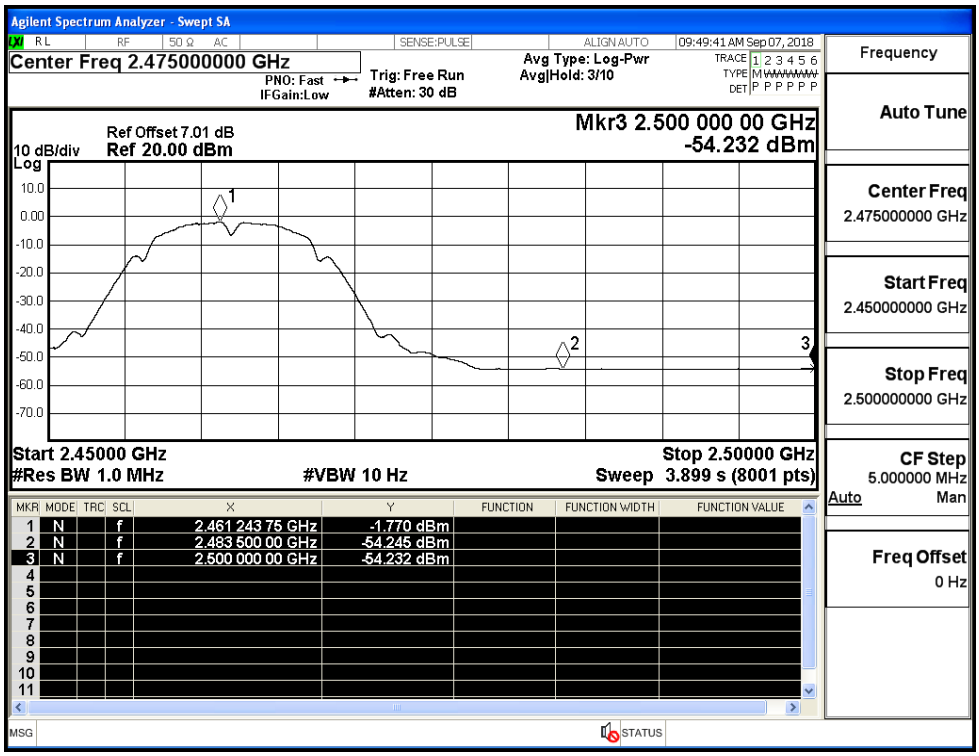
Restrict-band band-edge measurements_11B_2412_Ant1_AV



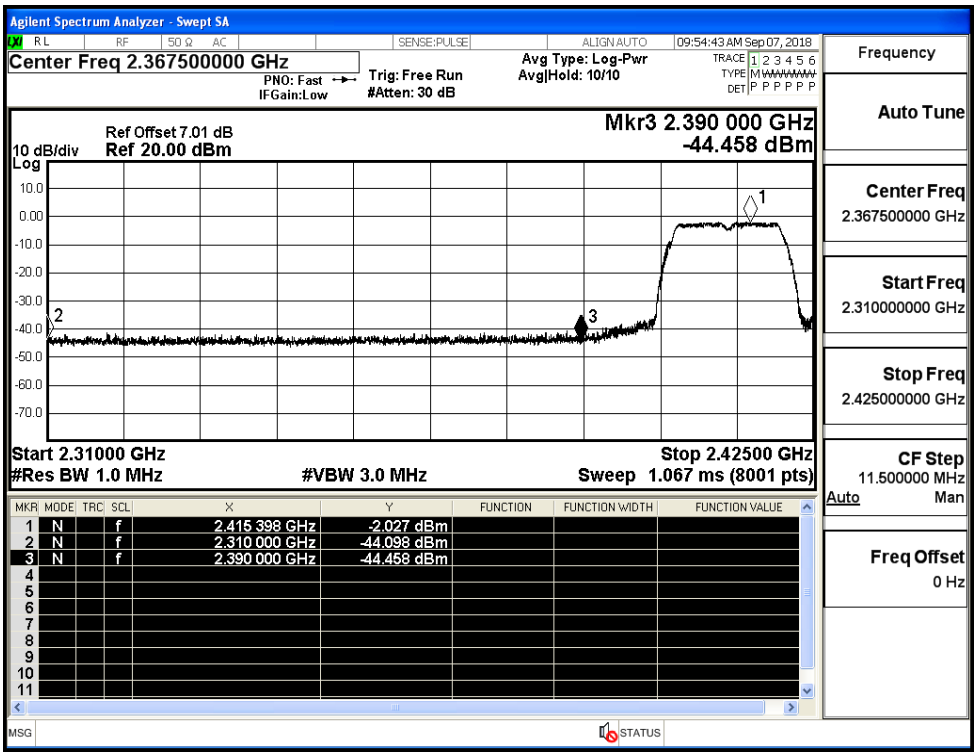
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



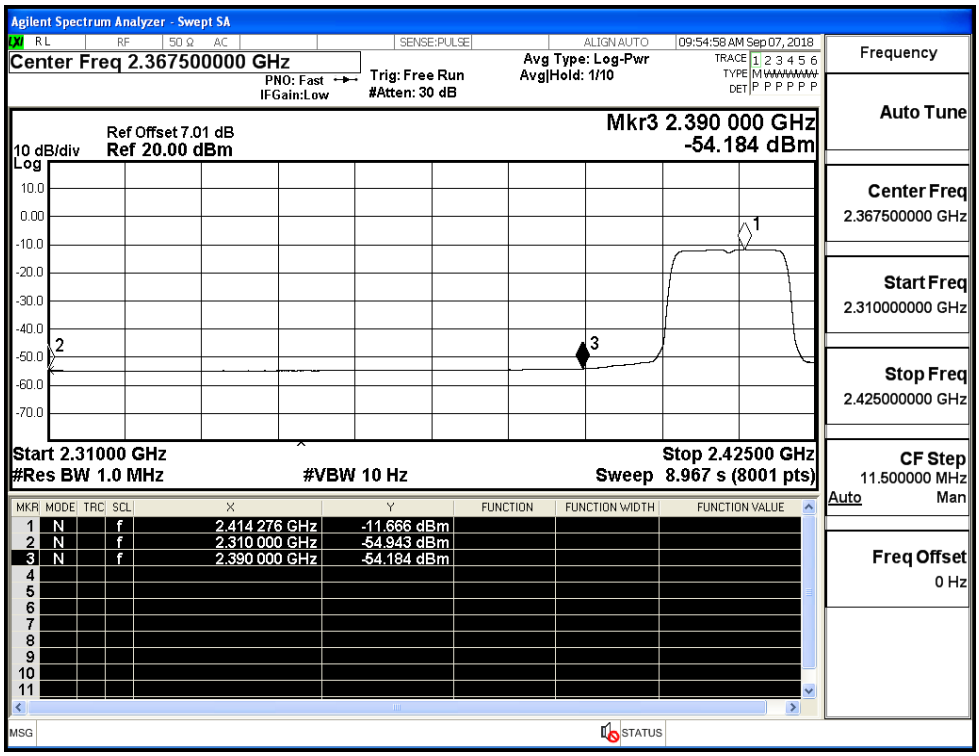
Restrict-band band-edge measurements_11B_2462_Ant1_AV



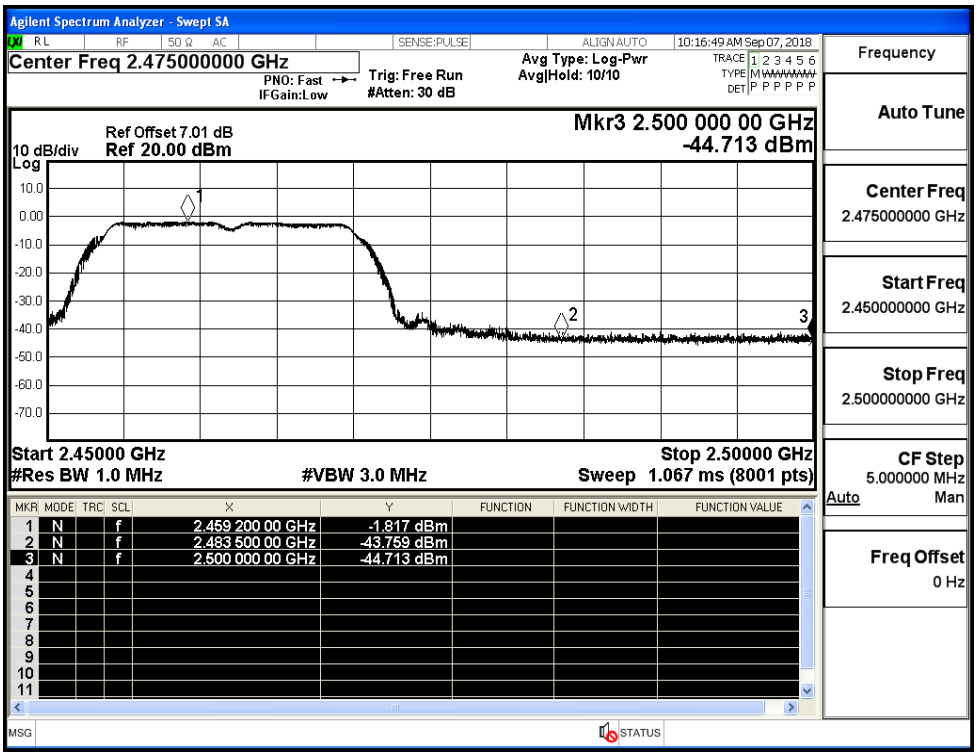
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



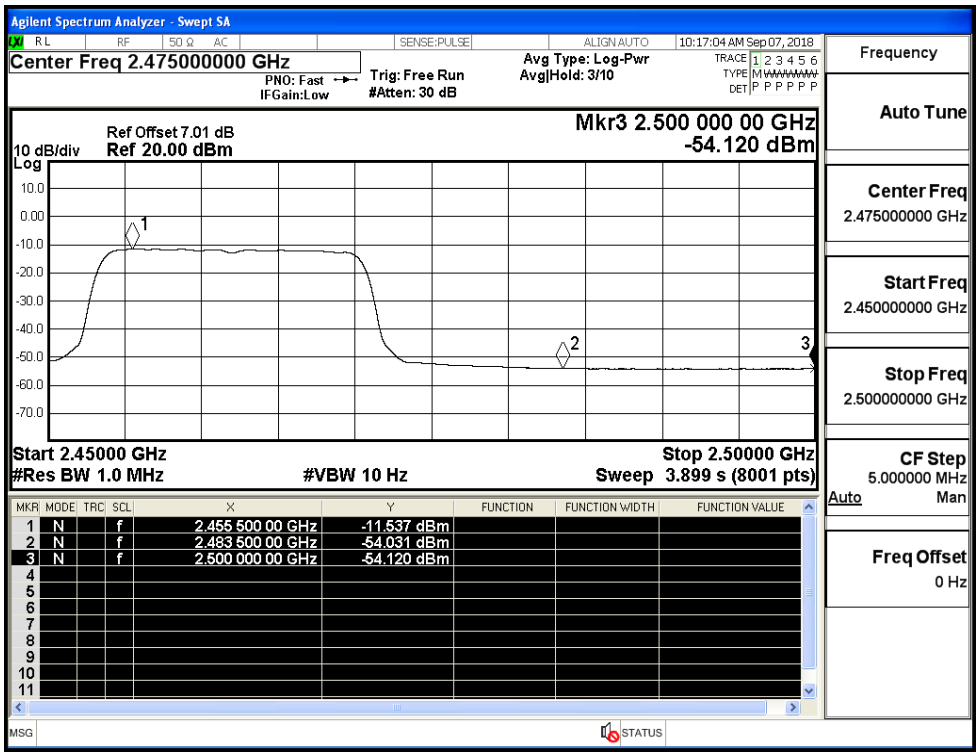
Restrict-band band-edge measurements_11G_2412_Ant1_AV



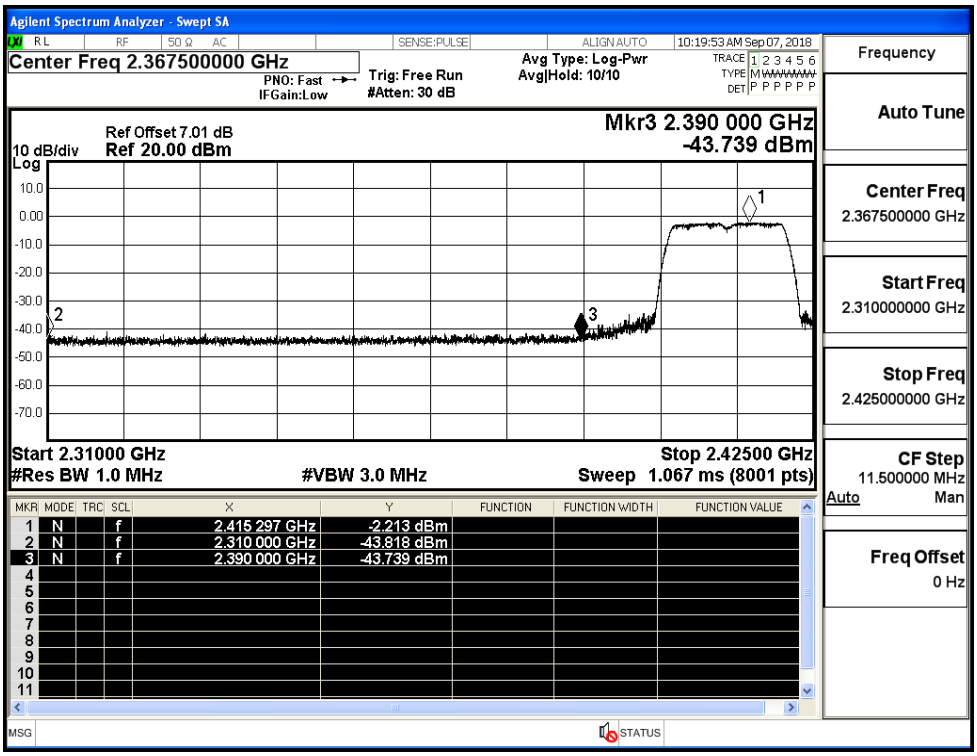
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



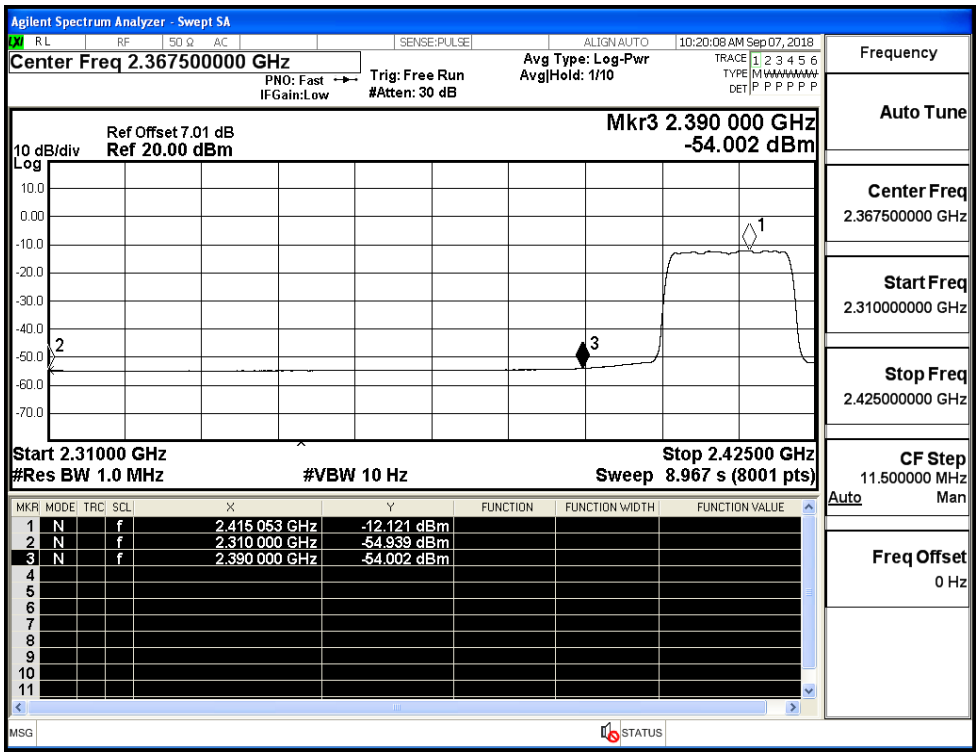
Restrict-band band-edge measurements_11G_2462_Ant1_AV



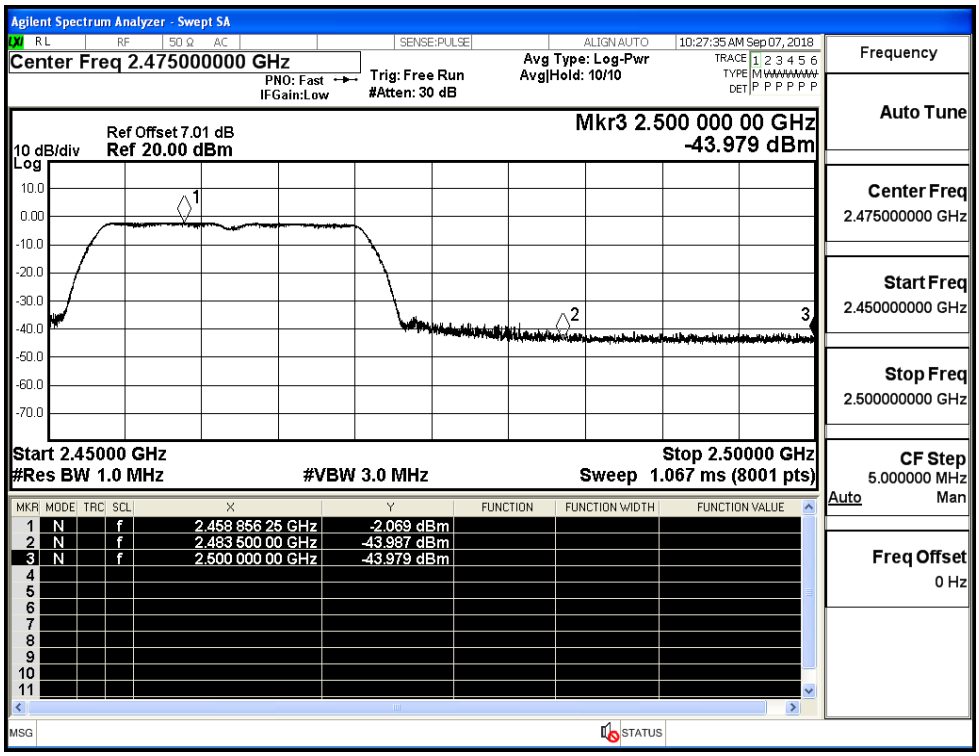
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



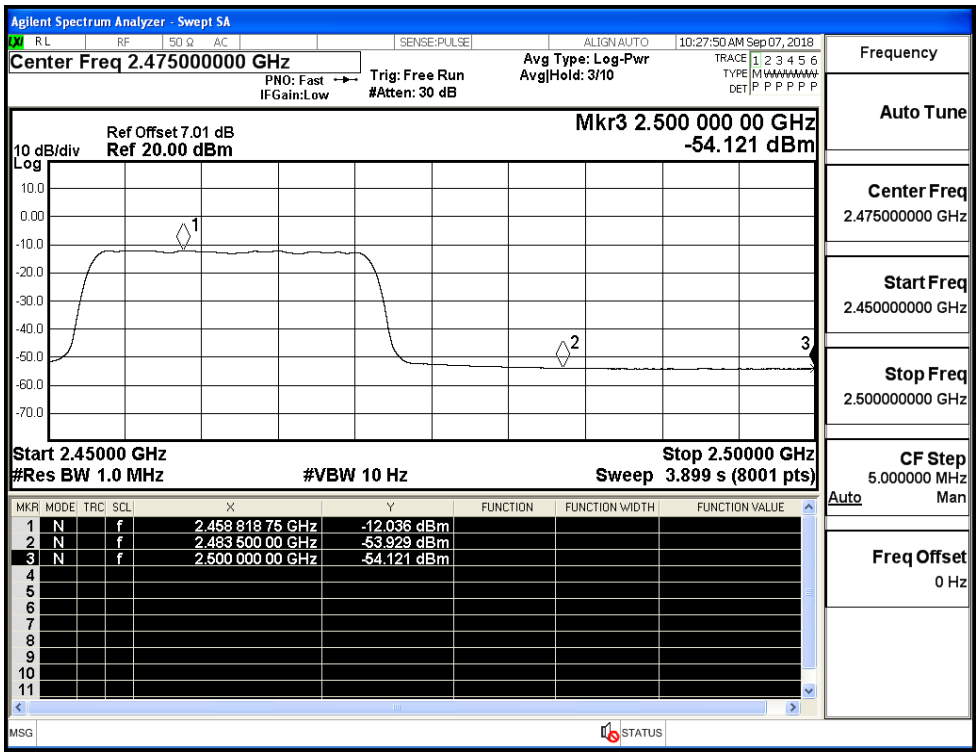
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



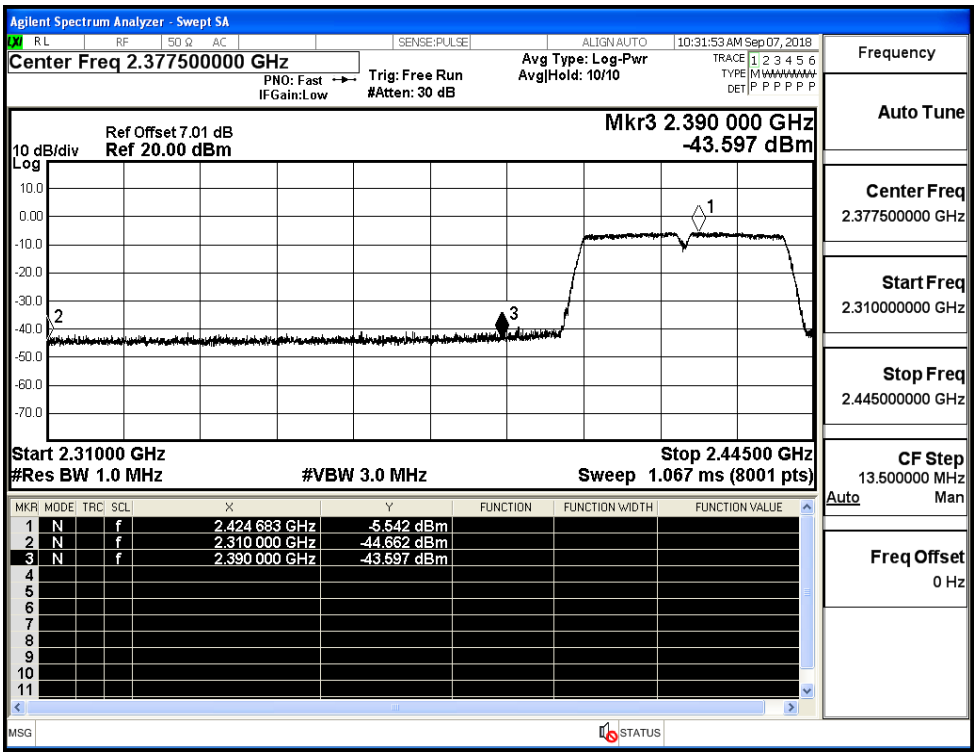
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



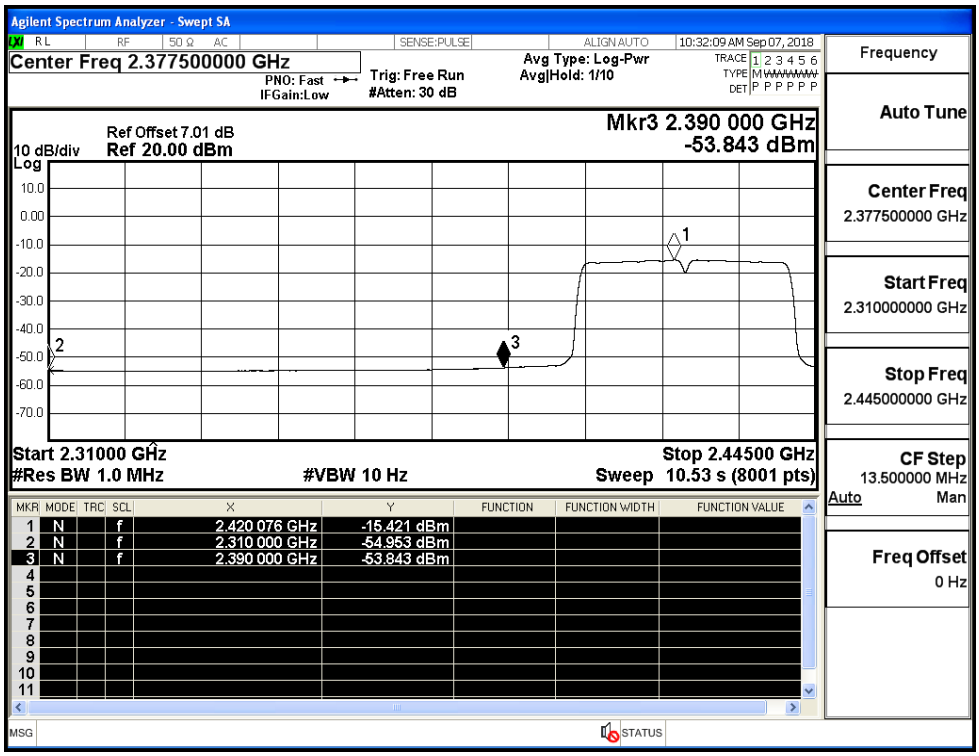
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



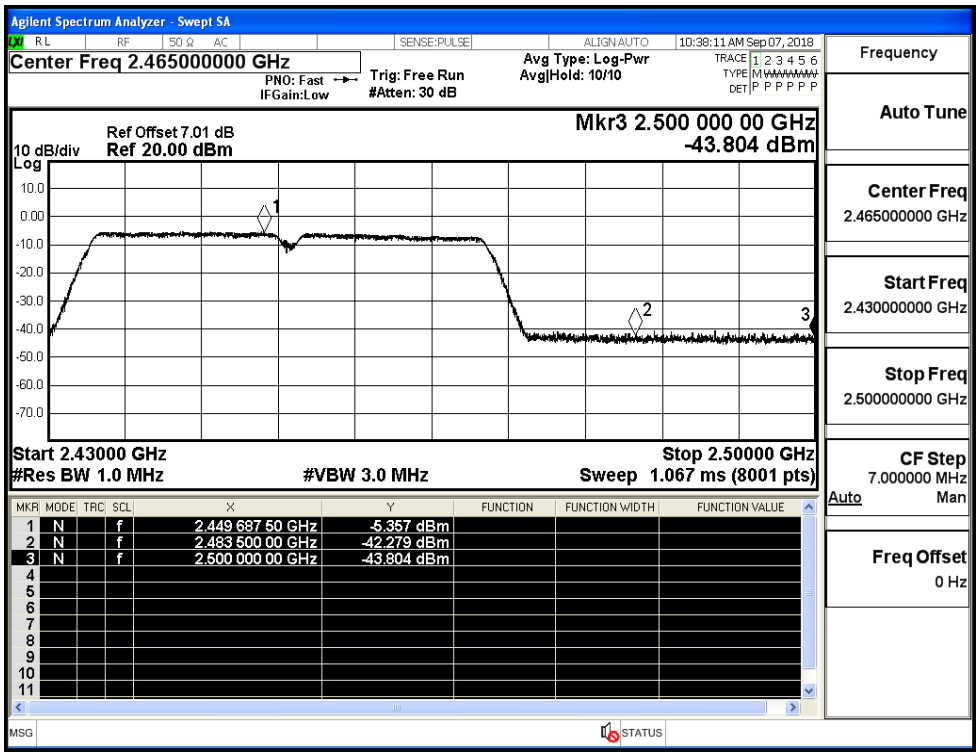
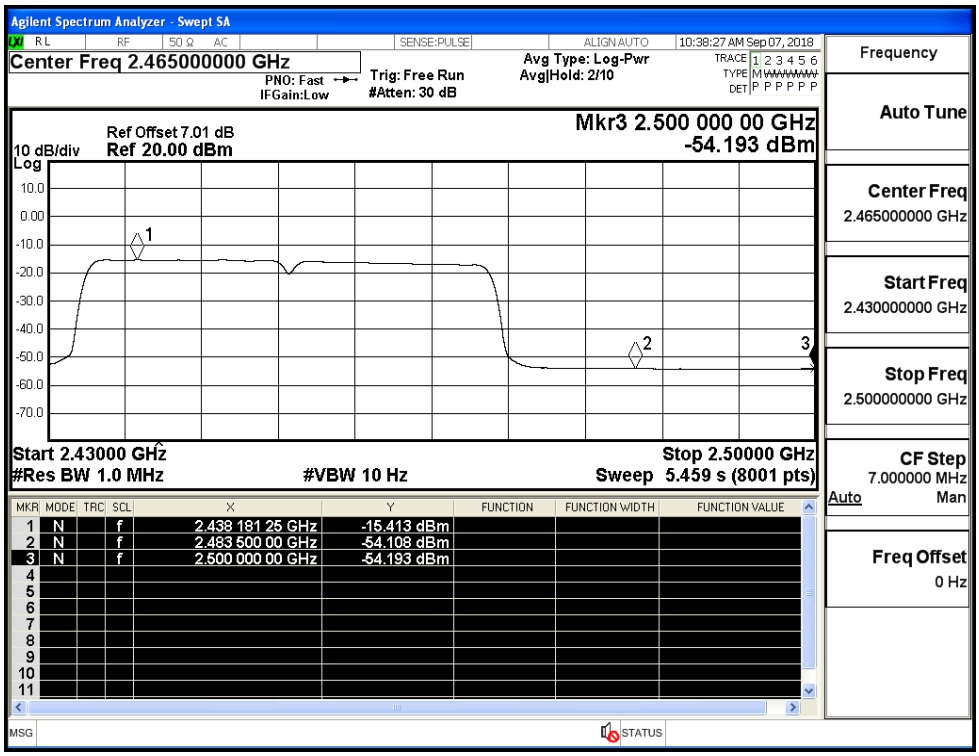
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV