Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: WIFI Camera

Trade Mark: N/A

Test Model: JV-NW2M10

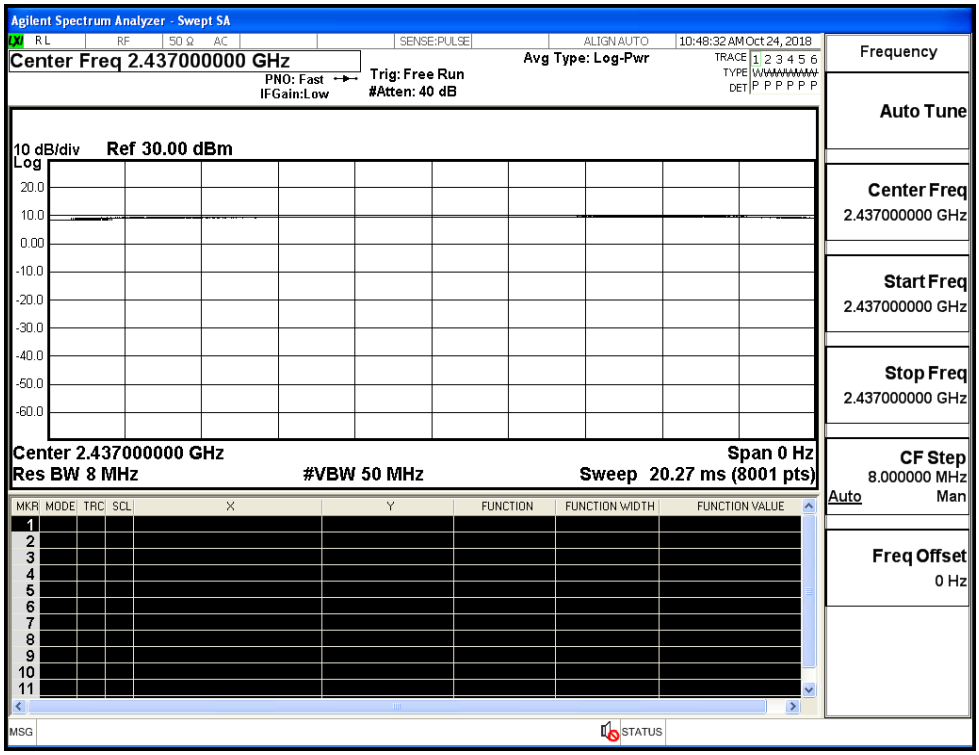
Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

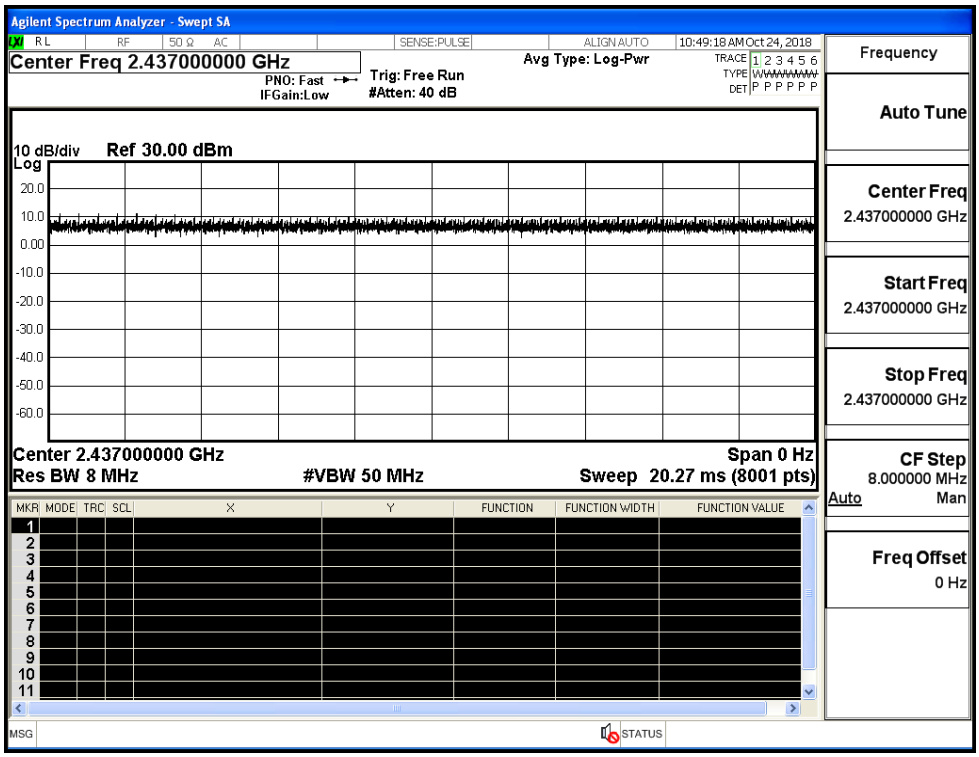
A.1 Duty Cycle

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

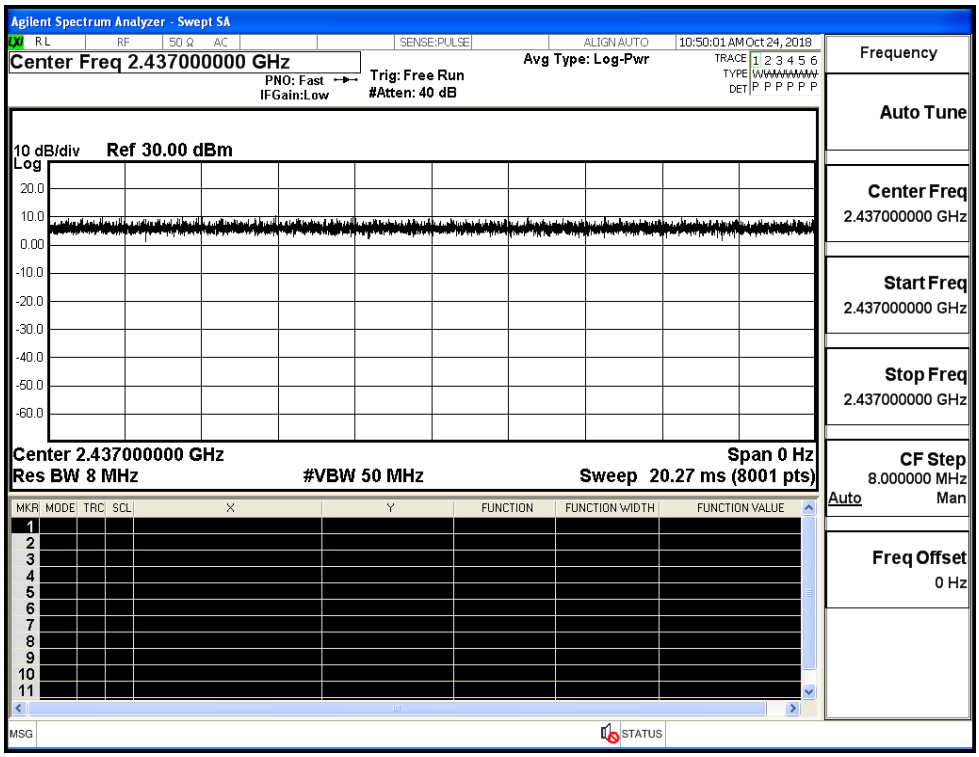
Duty Cycle_11B_2437_Ant1



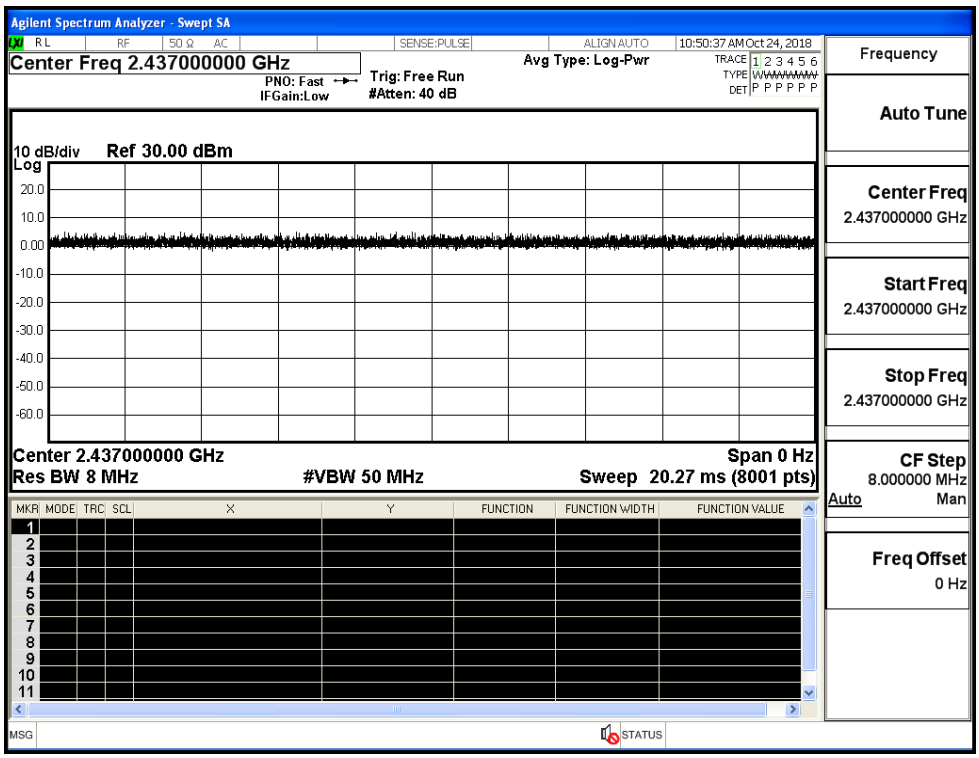
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



A.2 Maximum Conducted Output Power

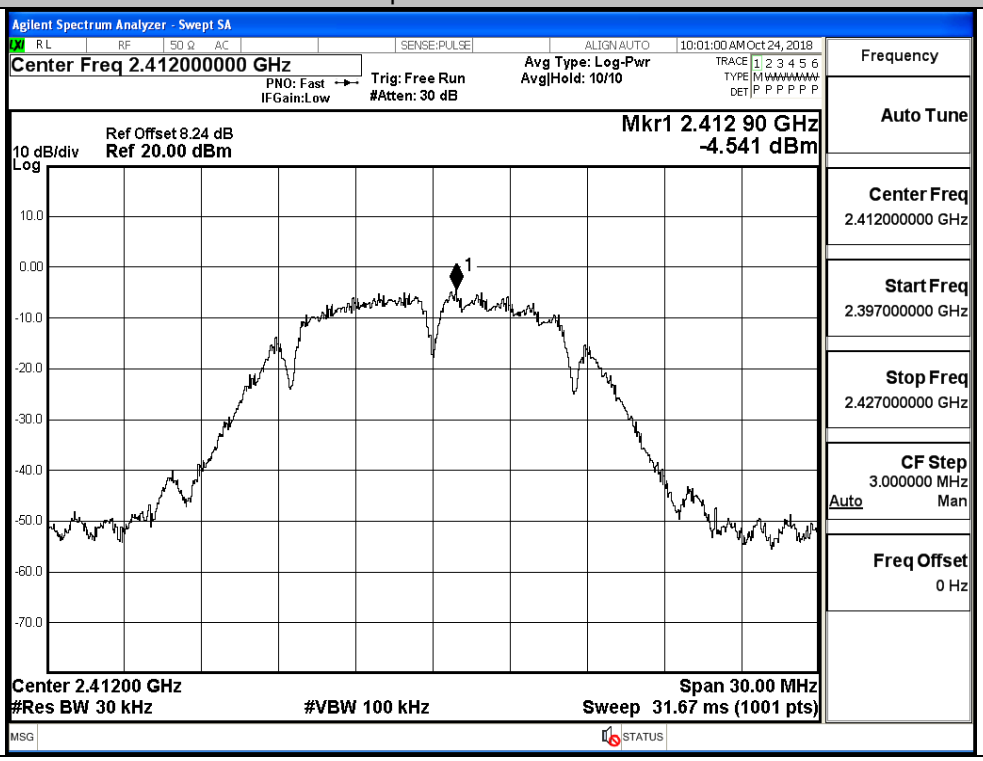
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	13.74	30	PASS
	MCH	14.57	30	PASS
	HCH	14.07	30	PASS
11G	LCH	14.29	30	PASS
	MCH	15.17	30	PASS
	HCH	13.79	30	PASS
11N20SISO	LCH	14.40	30	PASS
	MCH	15.07	30	PASS
	HCH	13.54	30	PASS
11N40SISO	LCH	14.29	30	PASS
	MCH	14.32	30	PASS
	HCH	14.00	30	PASS

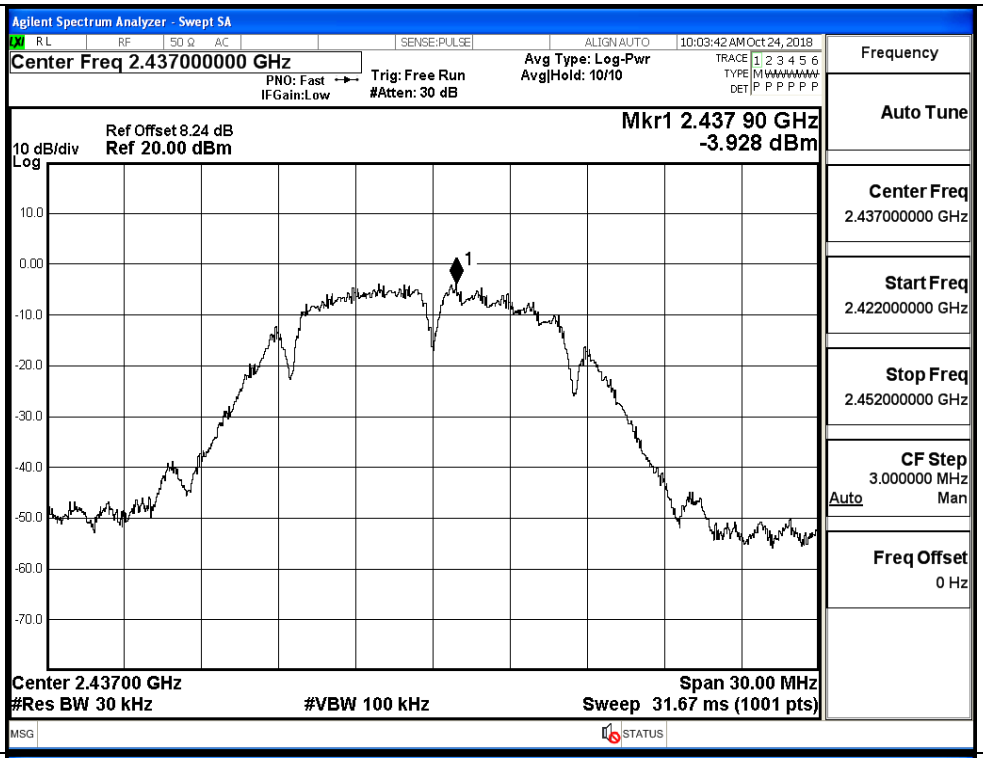
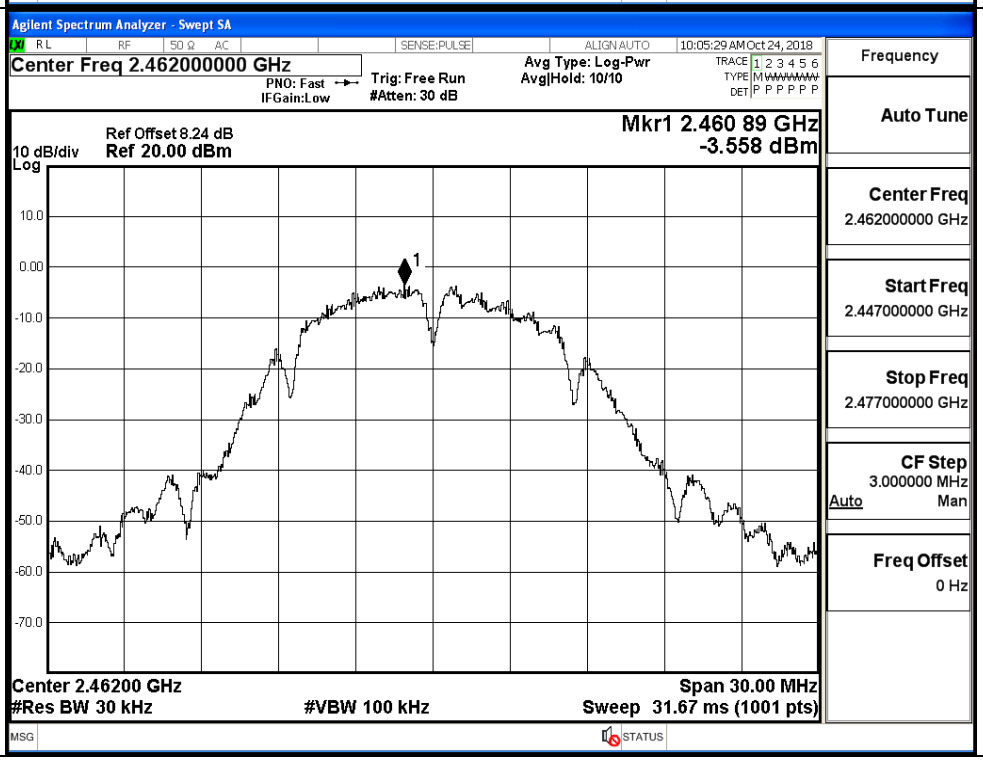
A.3 Maximum Power Spectral Density

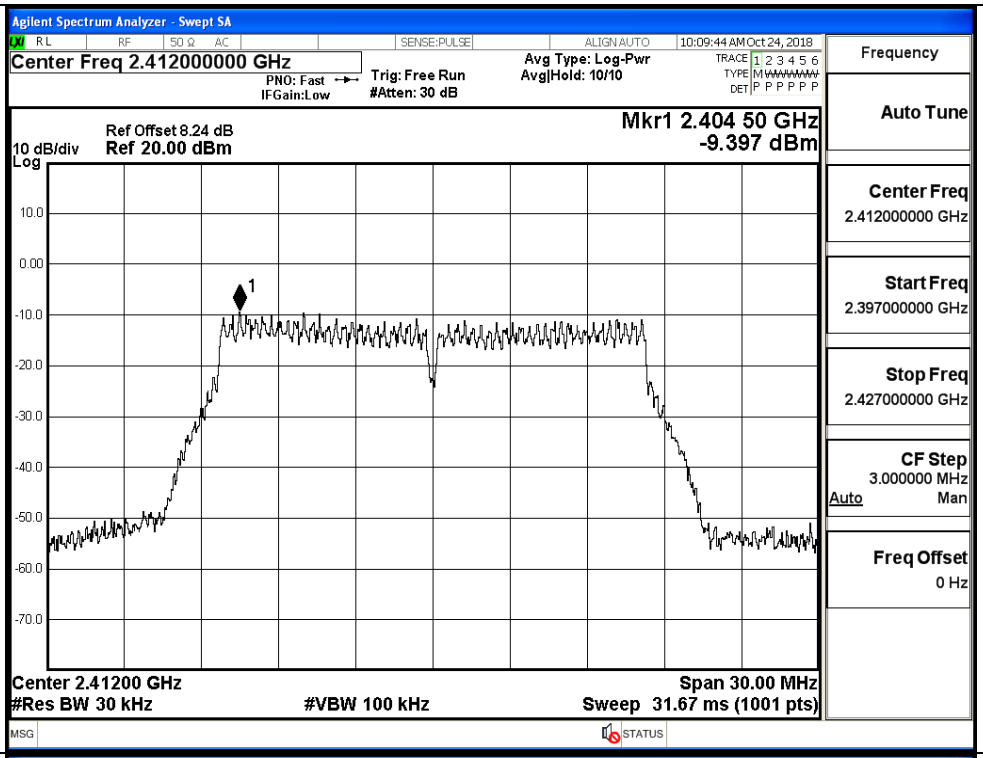
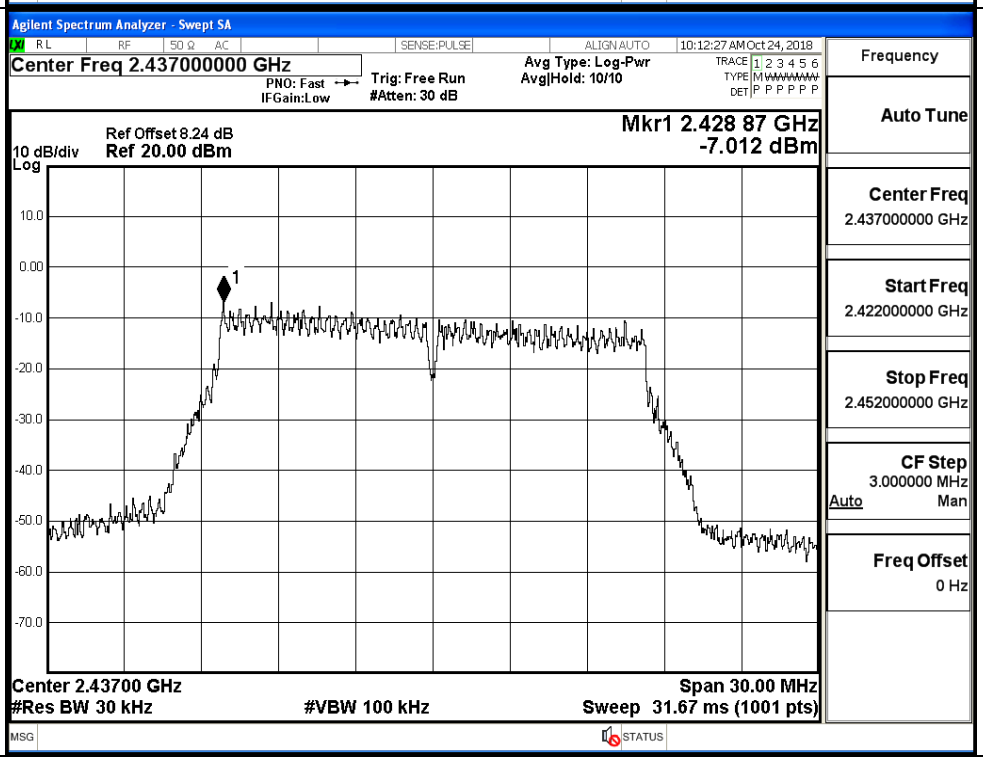
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-4.541	8	PASS
	MCH	-3.928	8	PASS
	HCH	-3.558	8	PASS
11G	LCH	-9.397	8	PASS
	MCH	-7.012	8	PASS
	HCH	-7.986	8	PASS
11N20SISO	LCH	-9.331	8	PASS
	MCH	-7.713	8	PASS
	HCH	-7.399	8	PASS
11N40SISO	LCH	-12.338	8	PASS
	MCH	-11.893	8	PASS
	HCH	-10.812	8	PASS

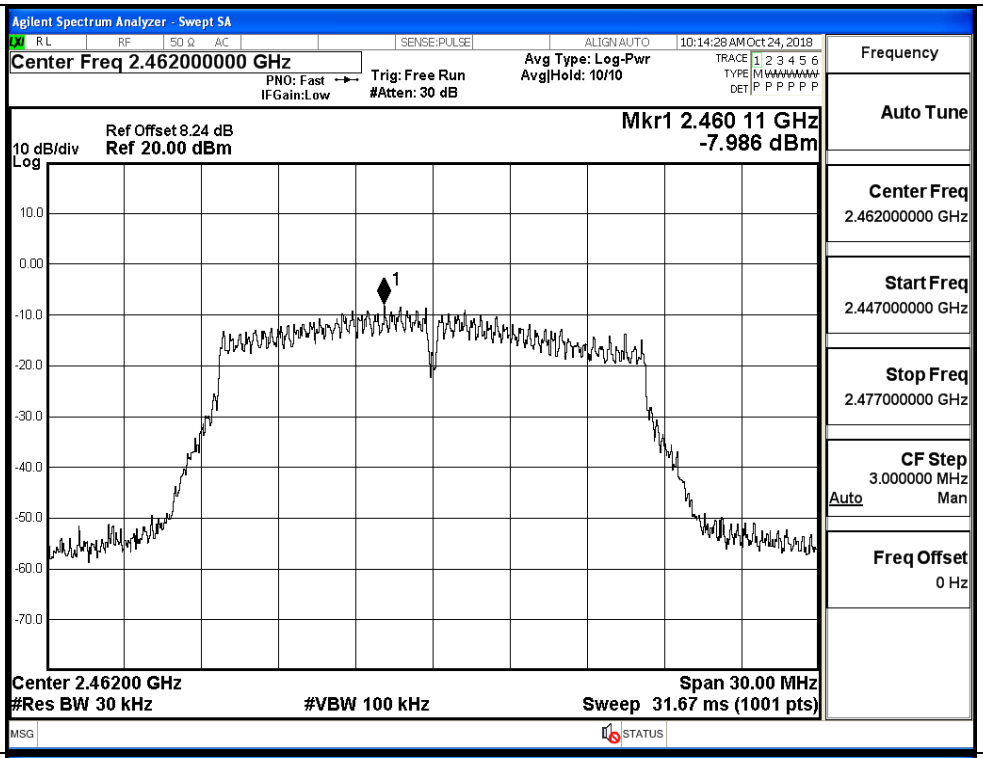
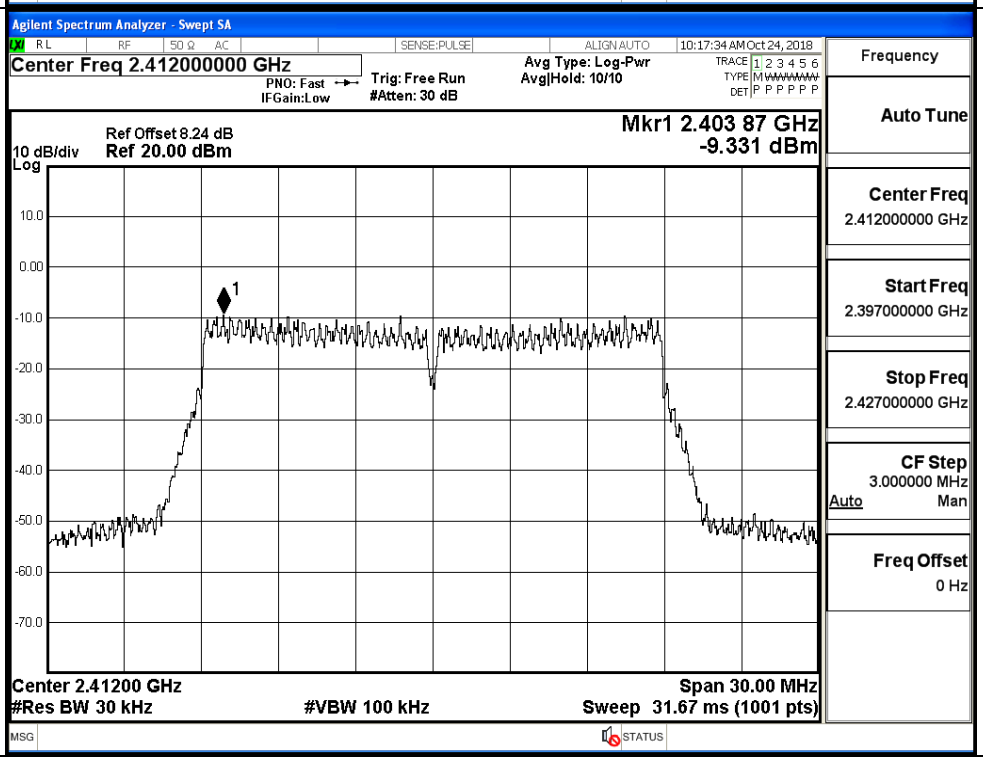
Test Graphs

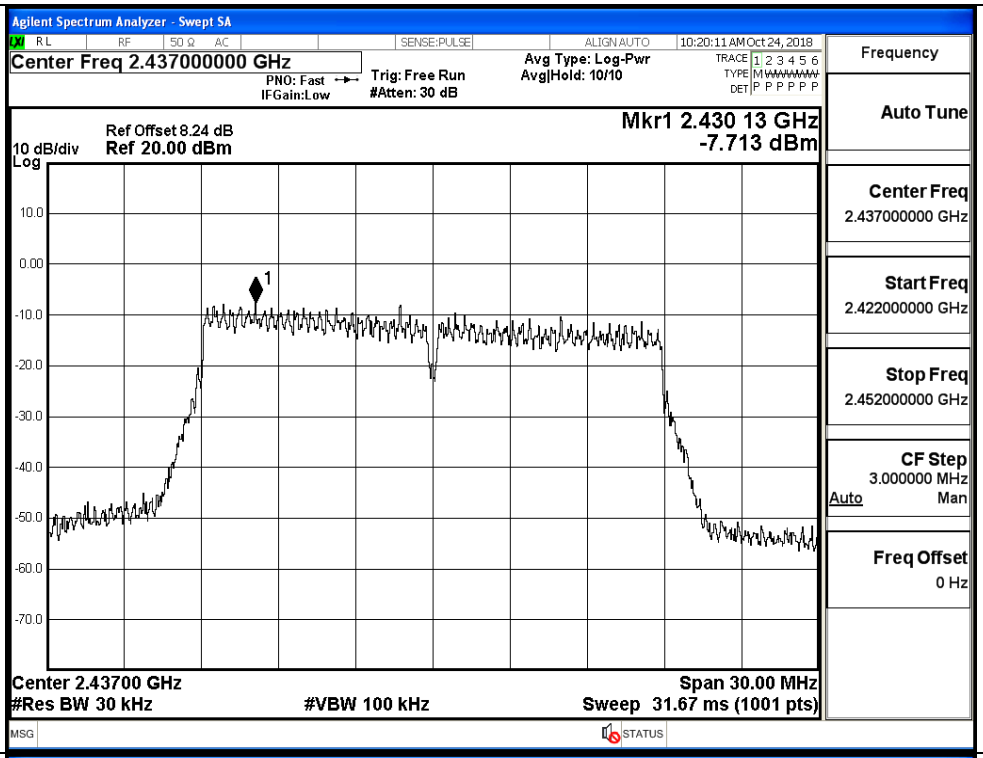
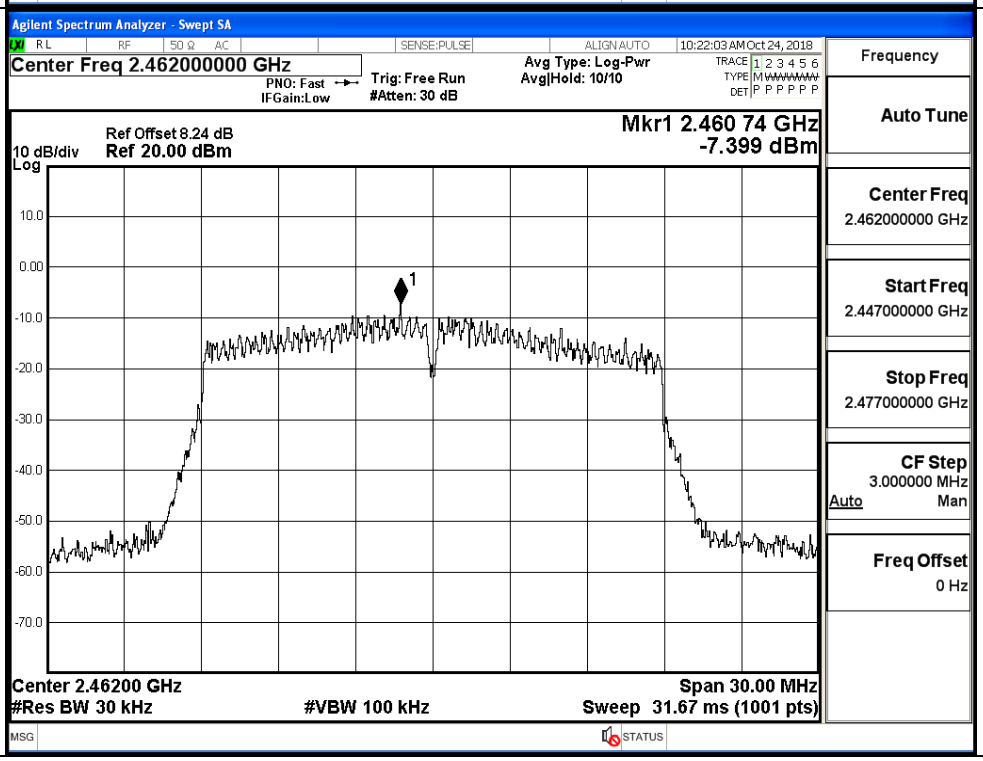
11B/LCH

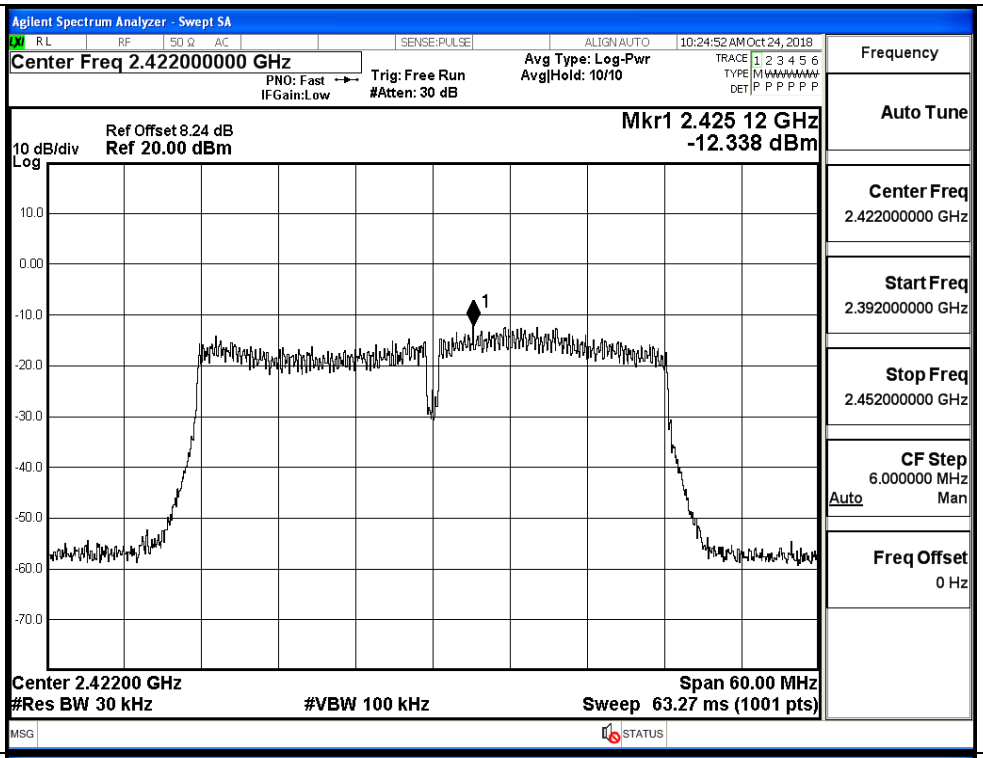
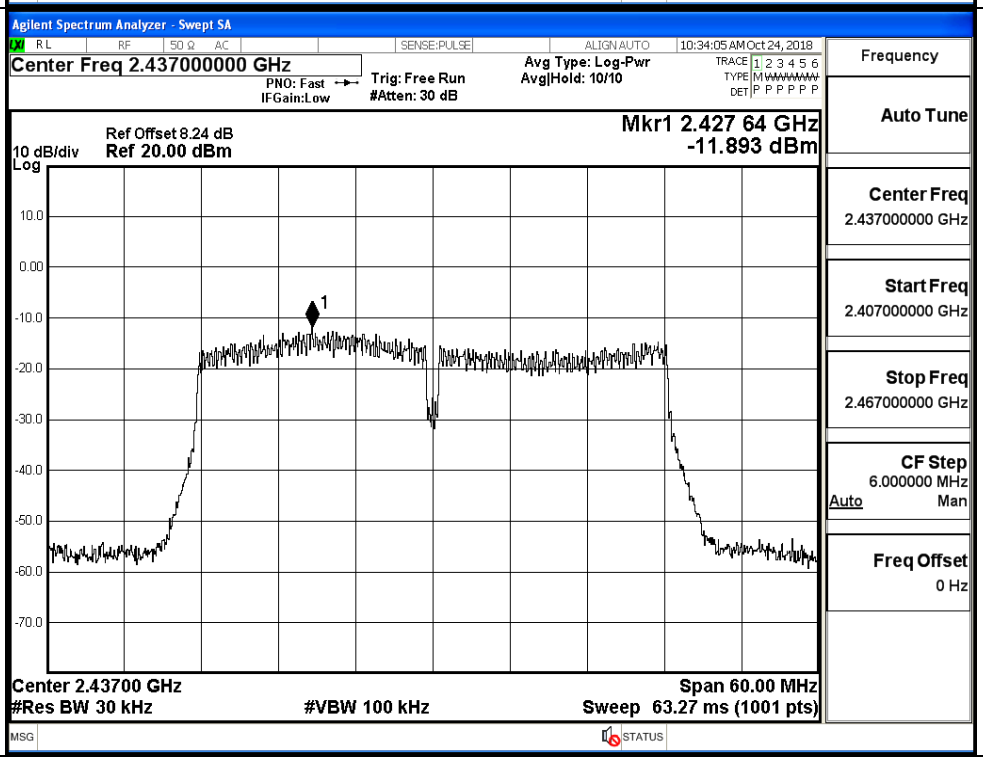


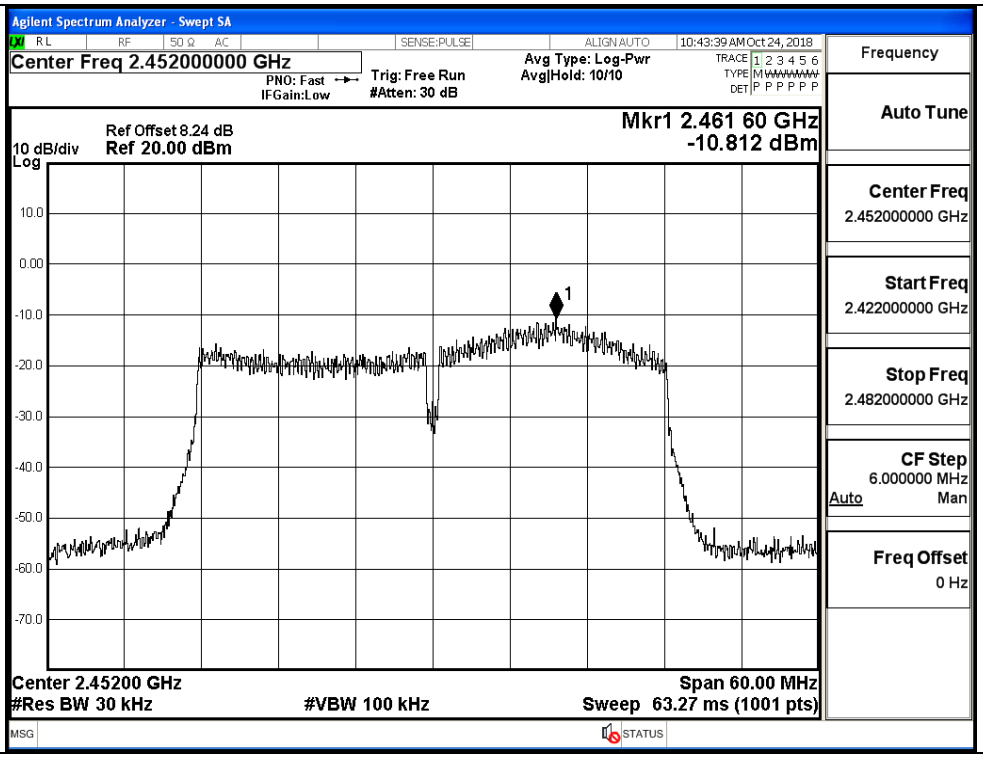
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

11N20SISO/MCH		
11N20SISO/HCH		

11N40SISO/LCH	
11N40SISO/MCH	

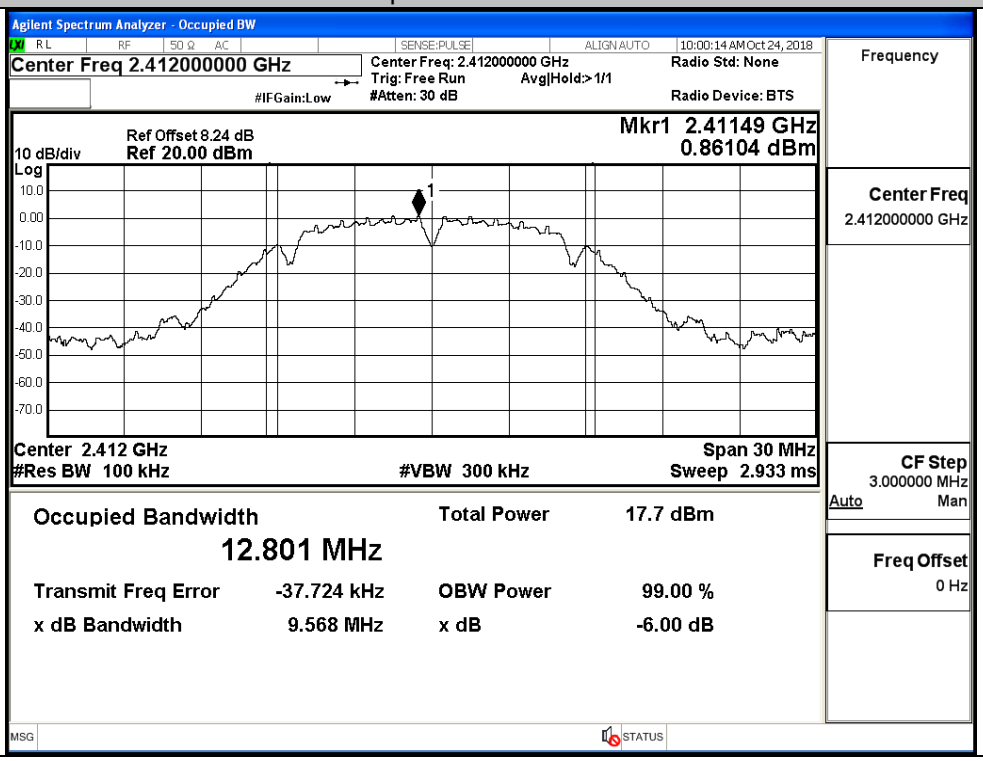
11N40SISO/HCH	

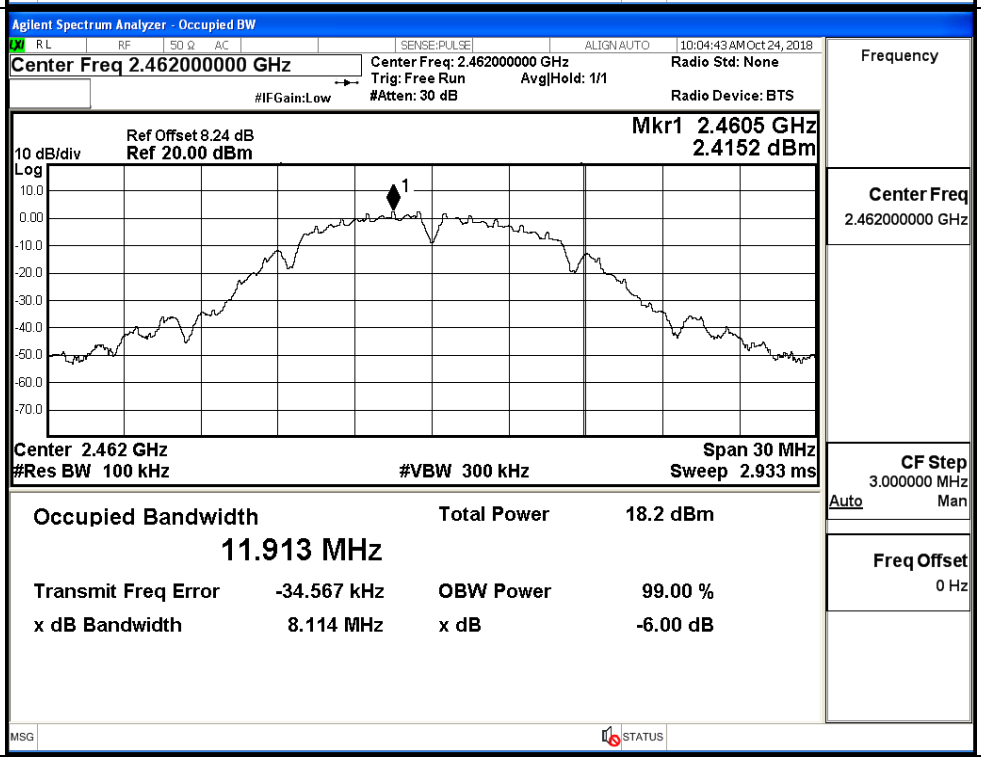
A.4 6dB Bandwidth

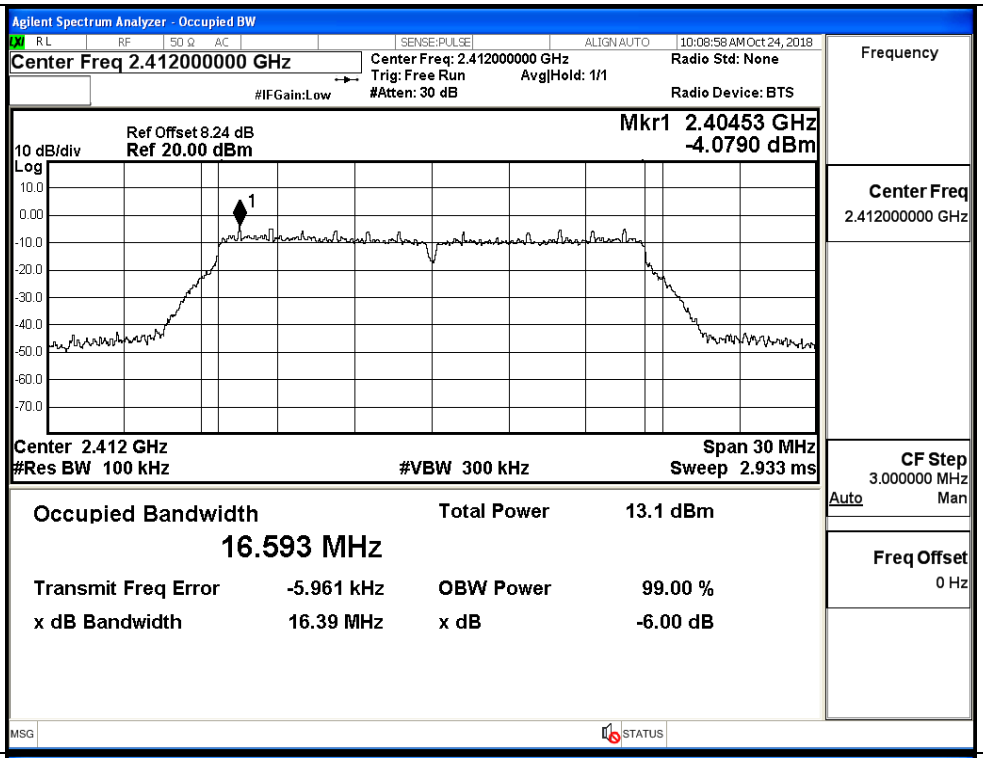
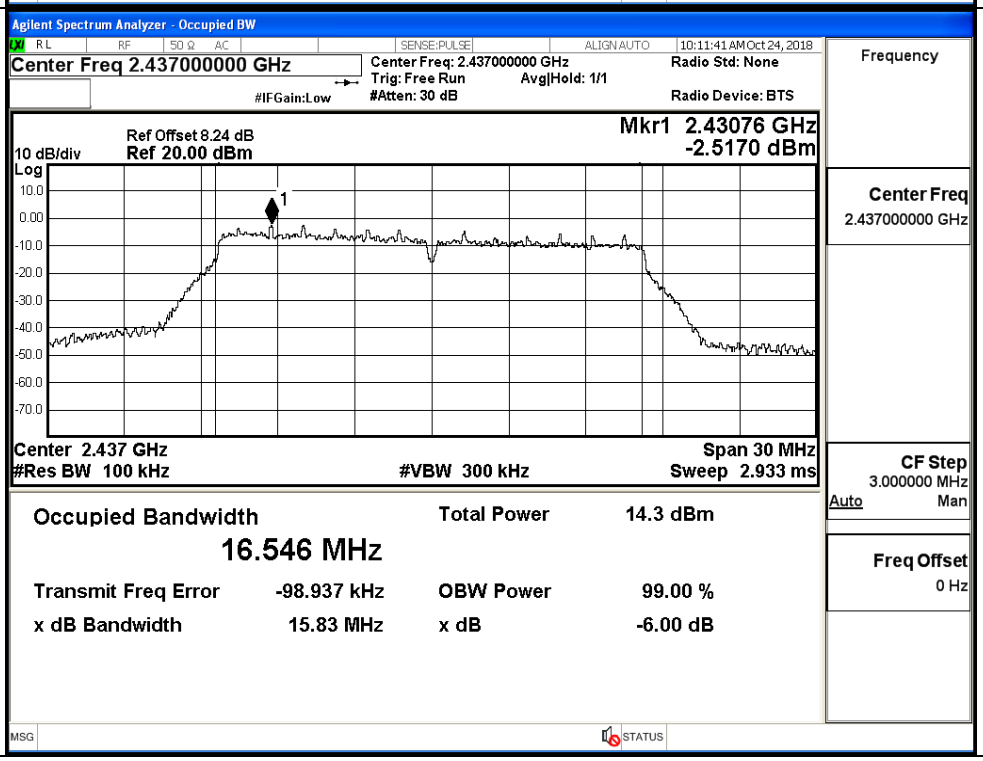
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.568	≥0.5	PASS
	MCH	9.555	≥0.5	PASS
	HCH	8.114	≥0.5	PASS
11G	LCH	16.39	≥0.5	PASS
	MCH	15.83	≥0.5	PASS
	HCH	15.09	≥0.5	PASS
11N20SISO	LCH	17.64	≥0.5	PASS
	MCH	16.38	≥0.5	PASS
	HCH	15.06	≥0.5	PASS
11N40SISO	LCH	36.39	≥0.5	PASS
	MCH	36.41	≥0.5	PASS
	HCH	35.10	≥0.5	PASS

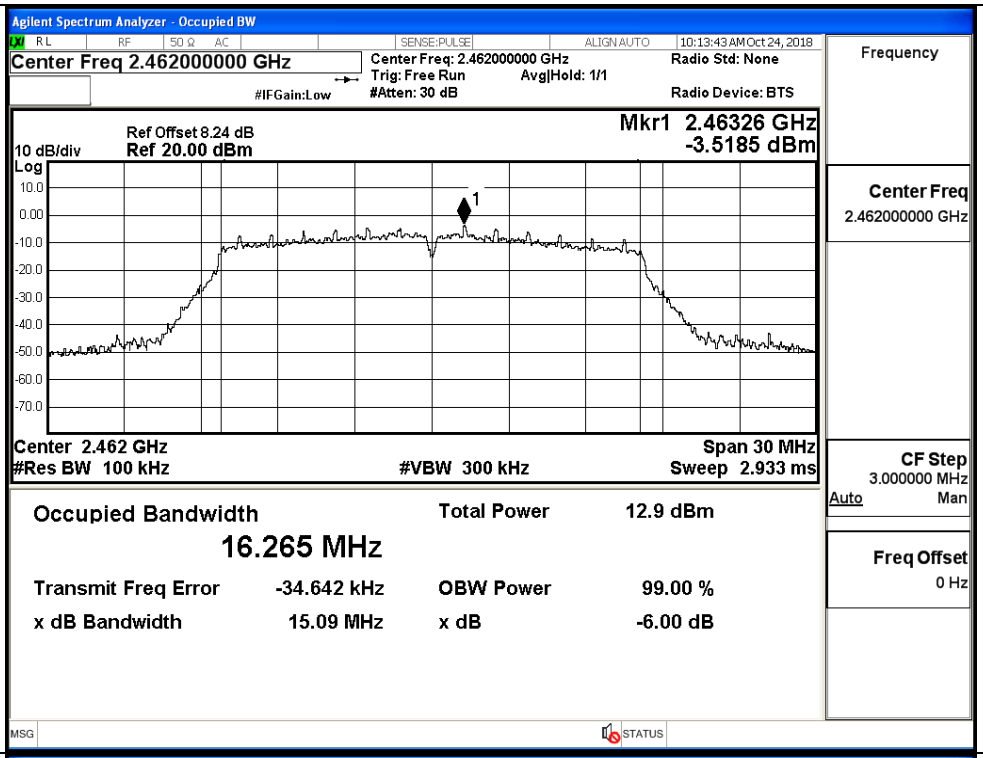
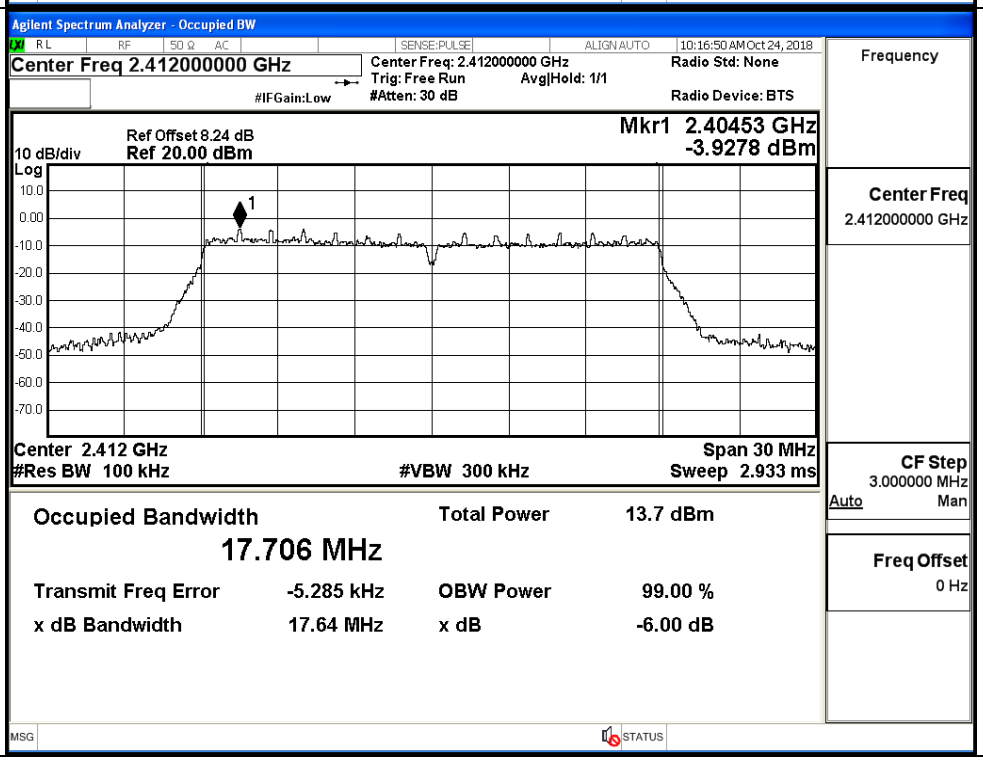
Test Graphs

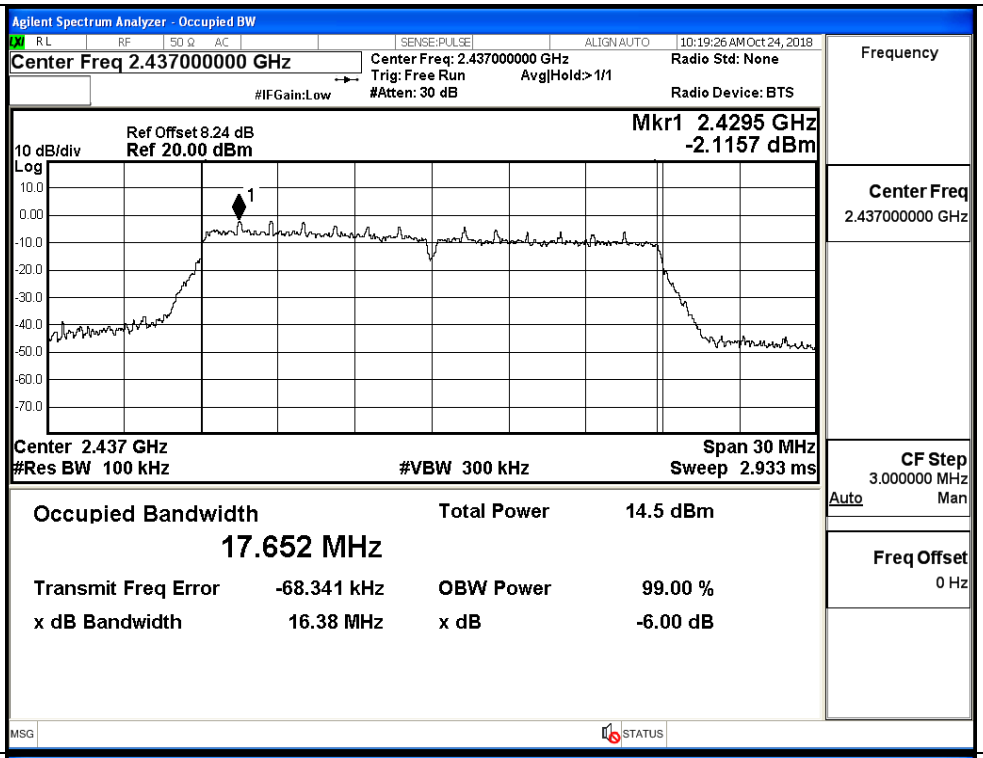
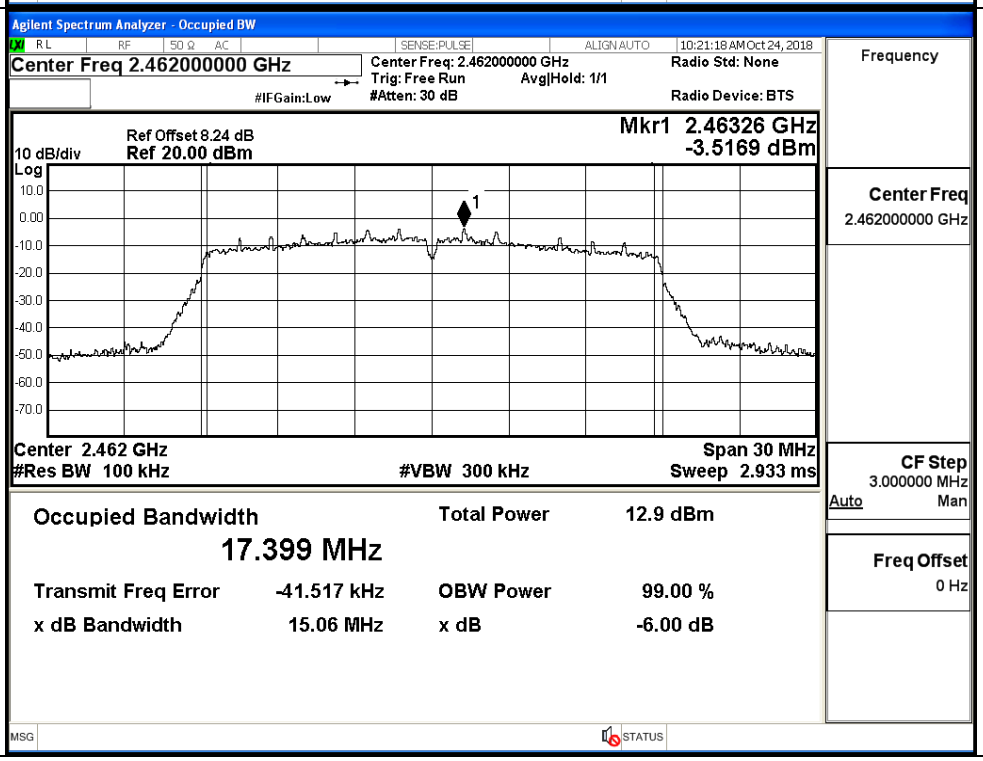
11B/LCH

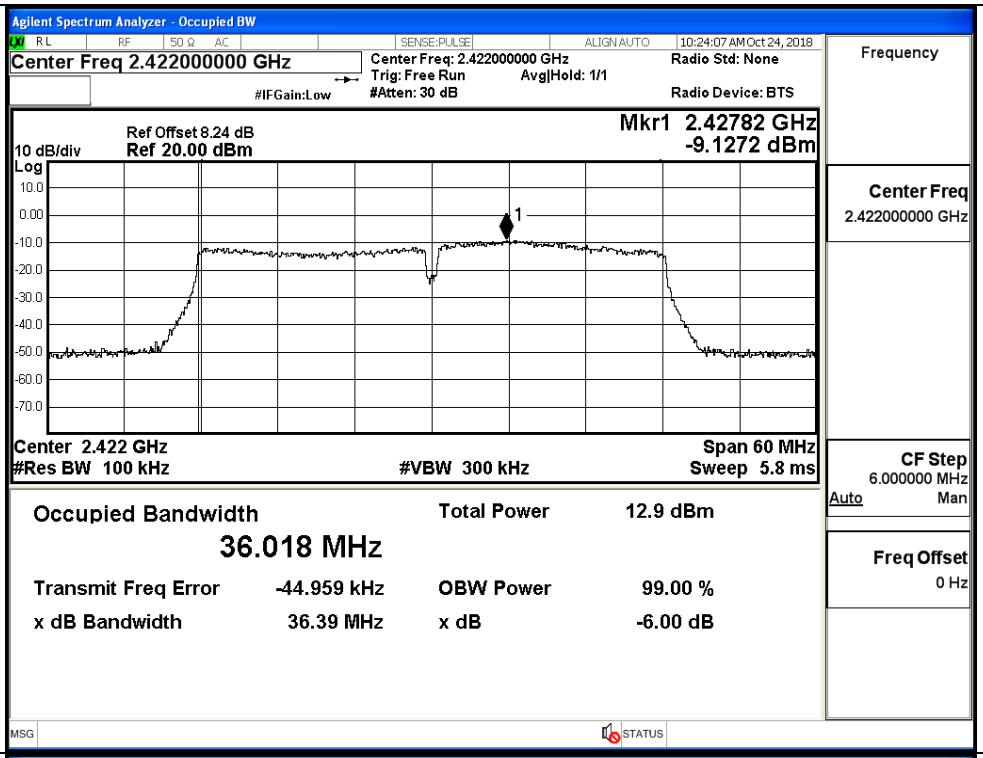
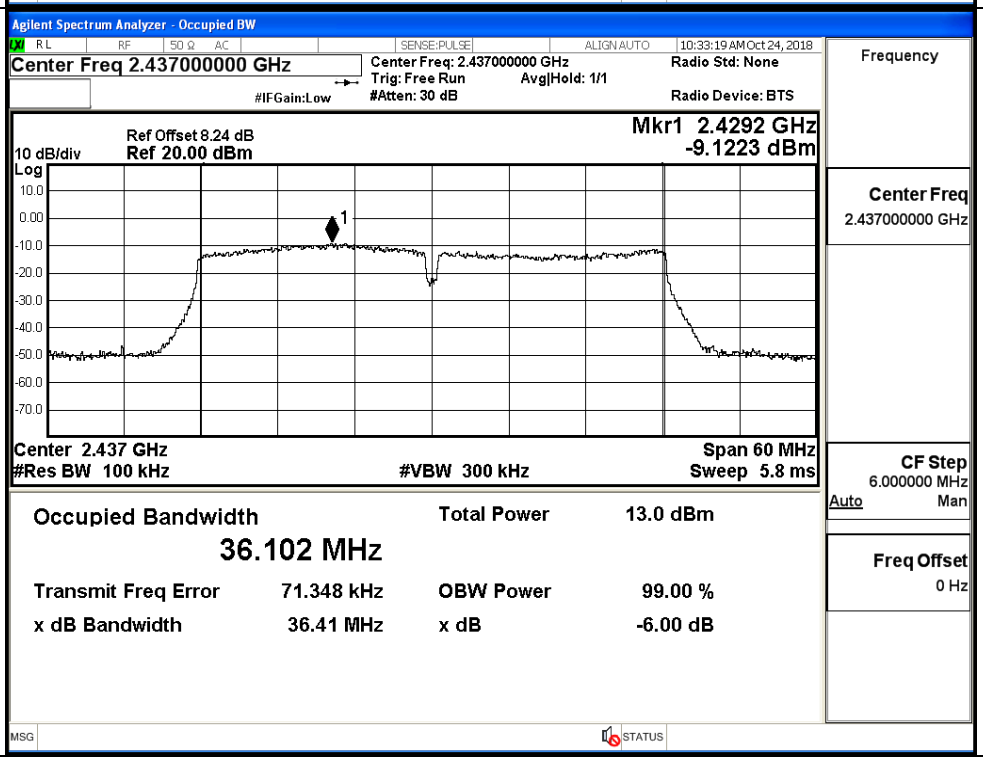


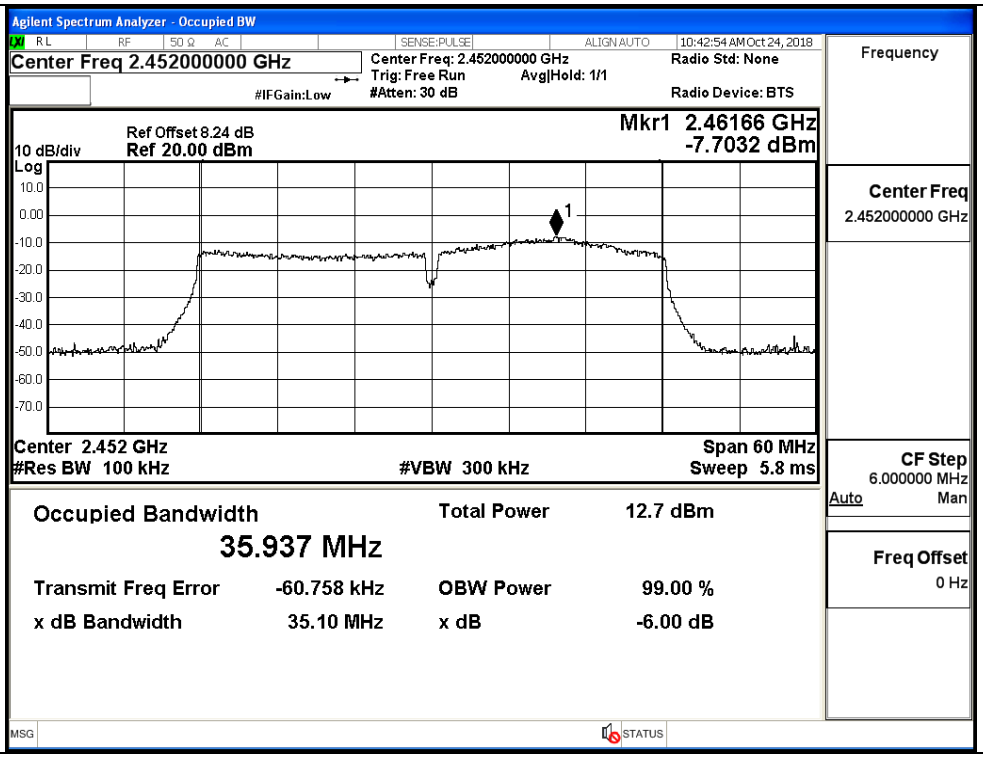
11B/MCH		
11B/HCH		

11G/LCH	
11G/MCH	

11G/HCH	
11N20SISO/LCH	

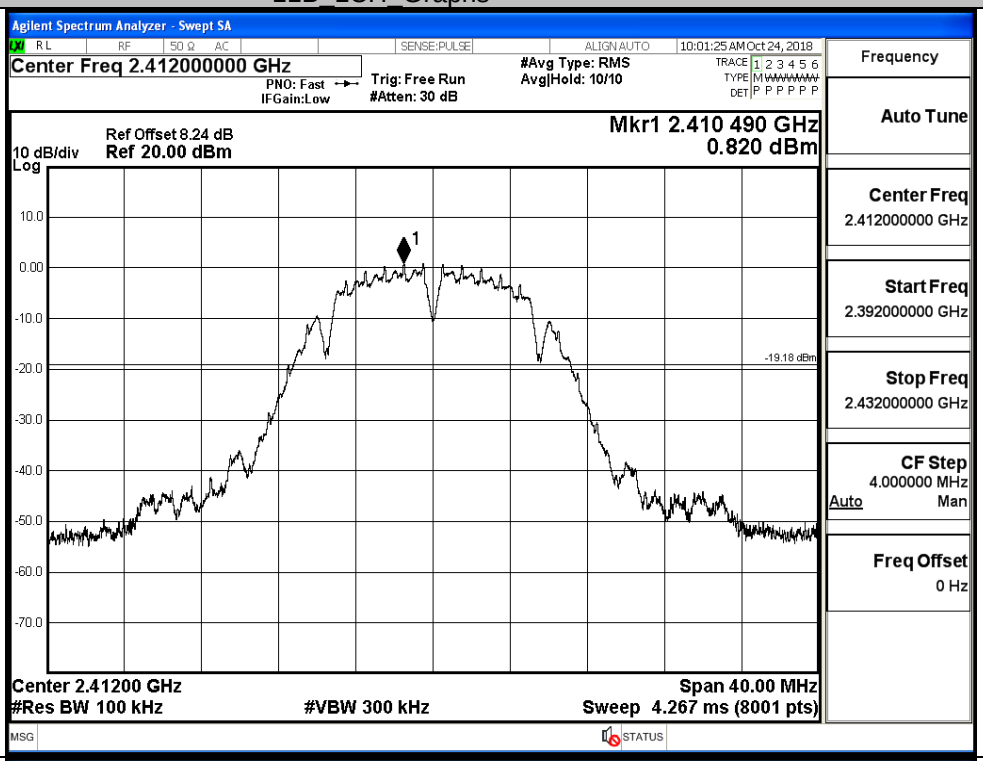
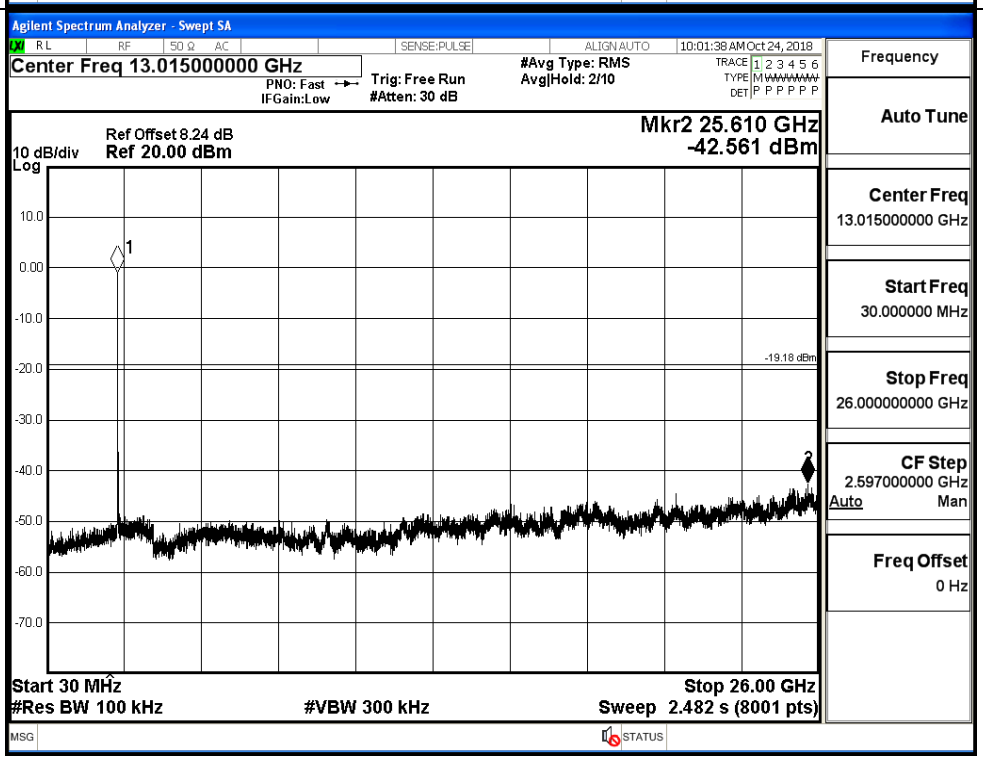
11N20SISO/MCH		
11N20SISO/HCH		

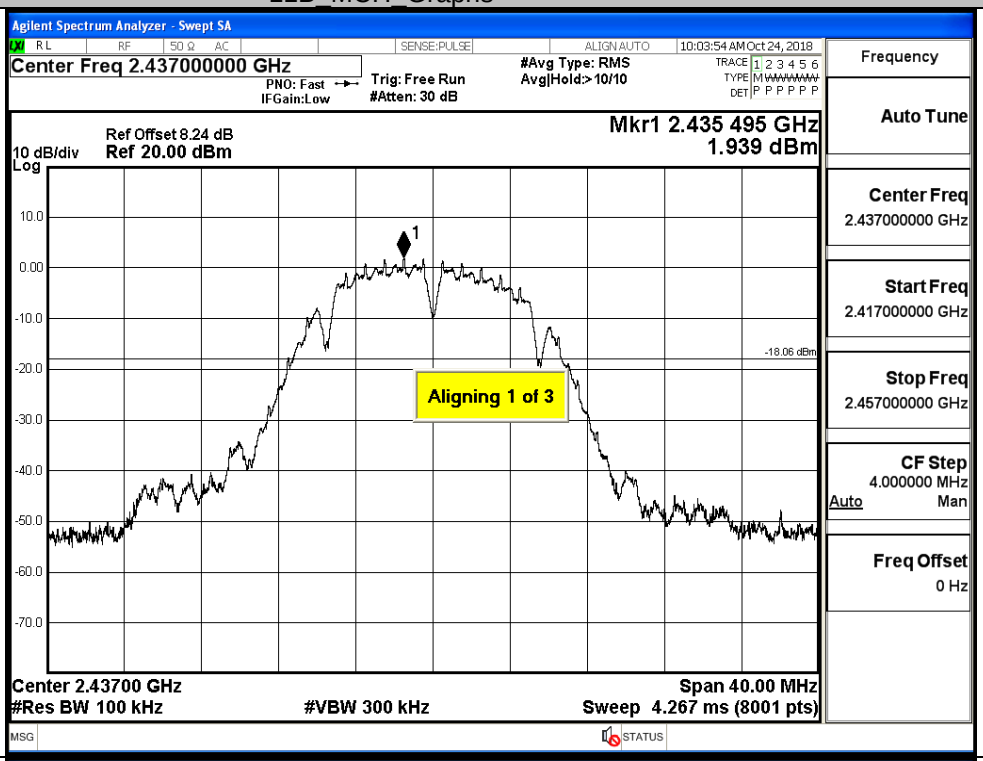
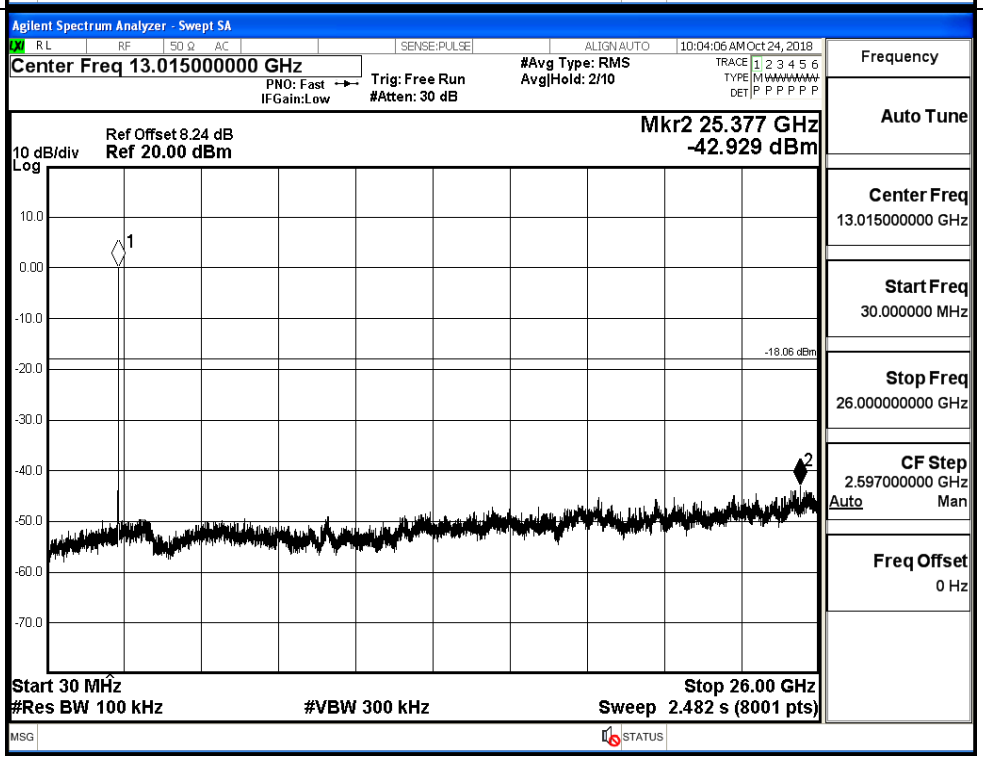
11N40SISO/LCH		
11N40SISO/MCH		

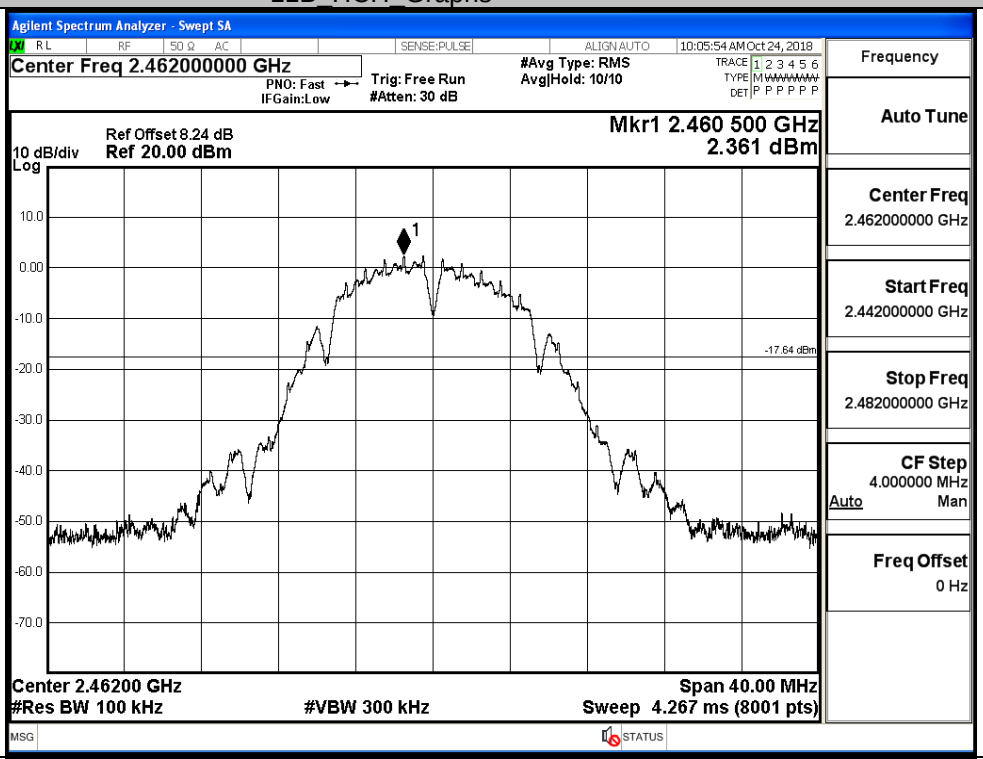
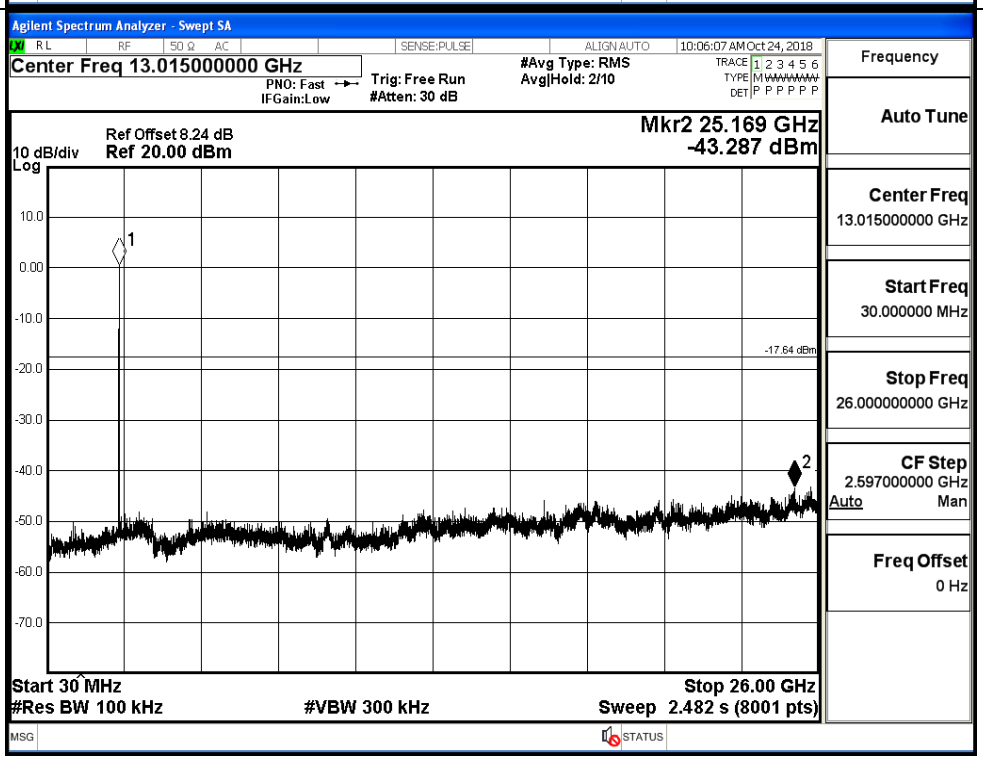
11N40SISO/HCH	

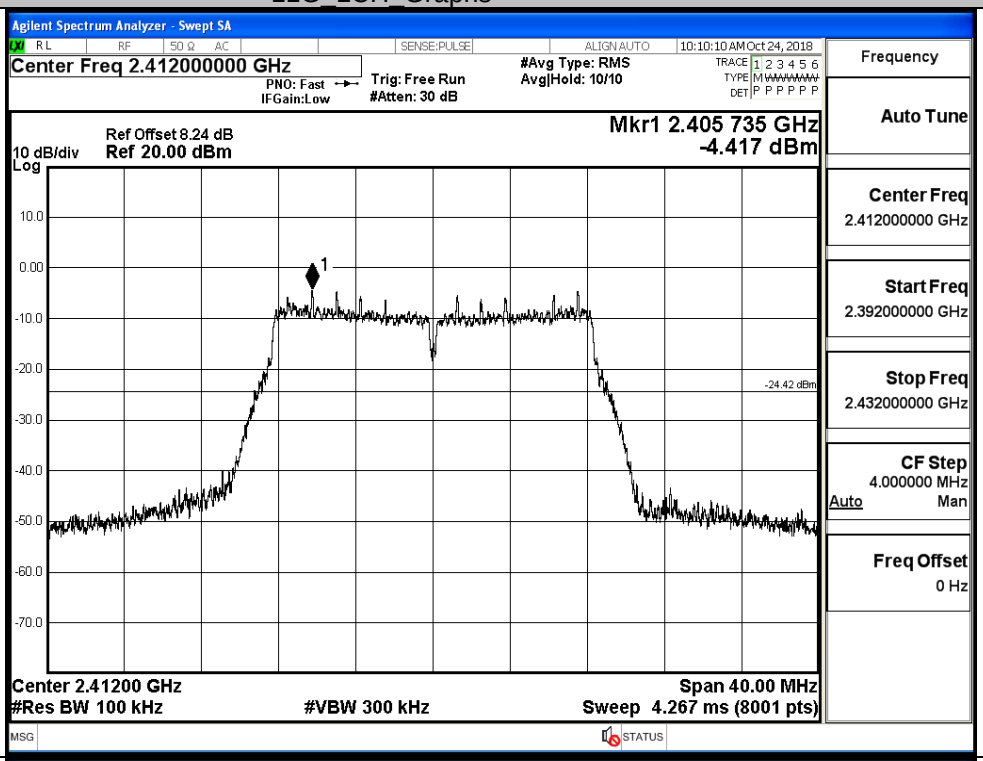
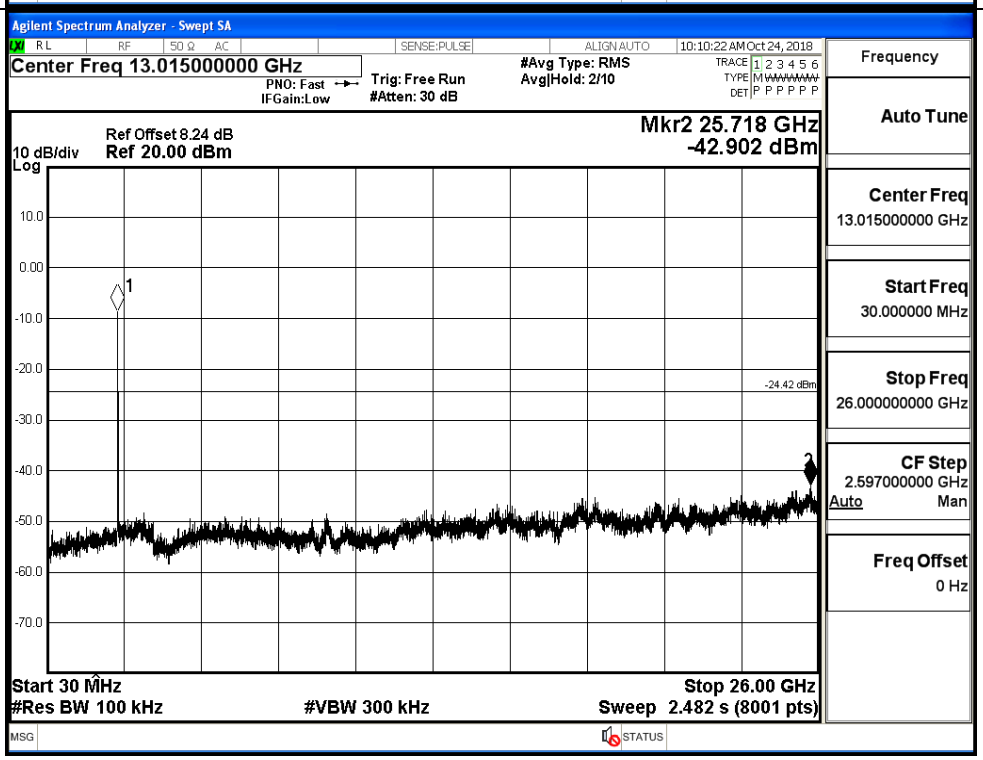
A.5 RF Conducted Spurious Emissions

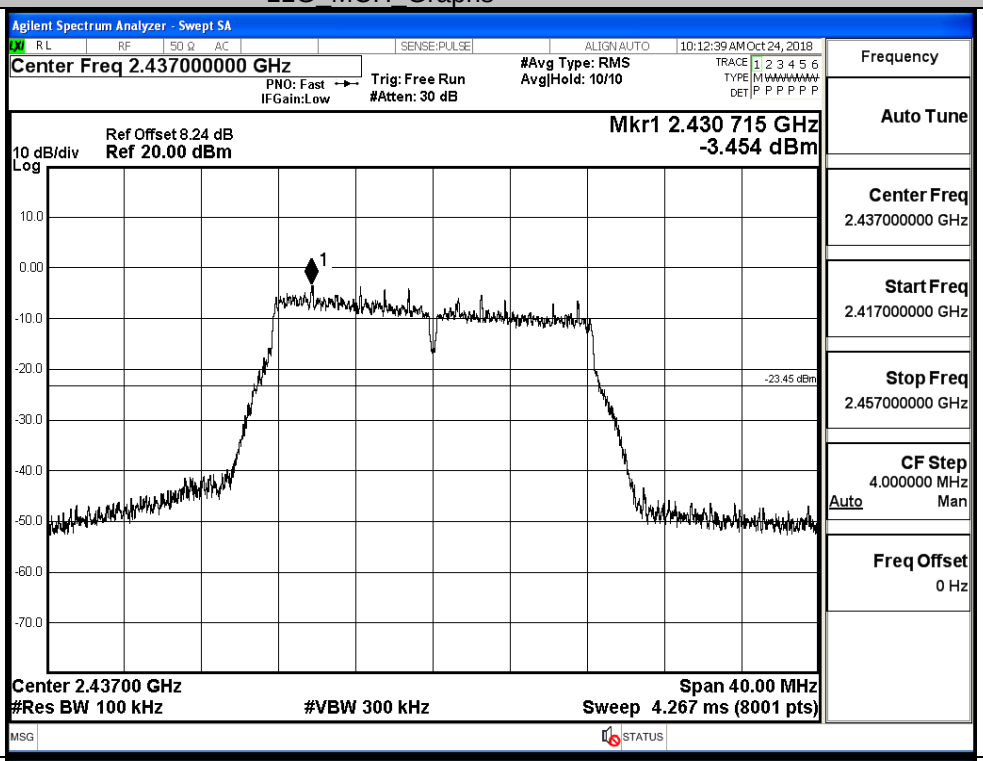
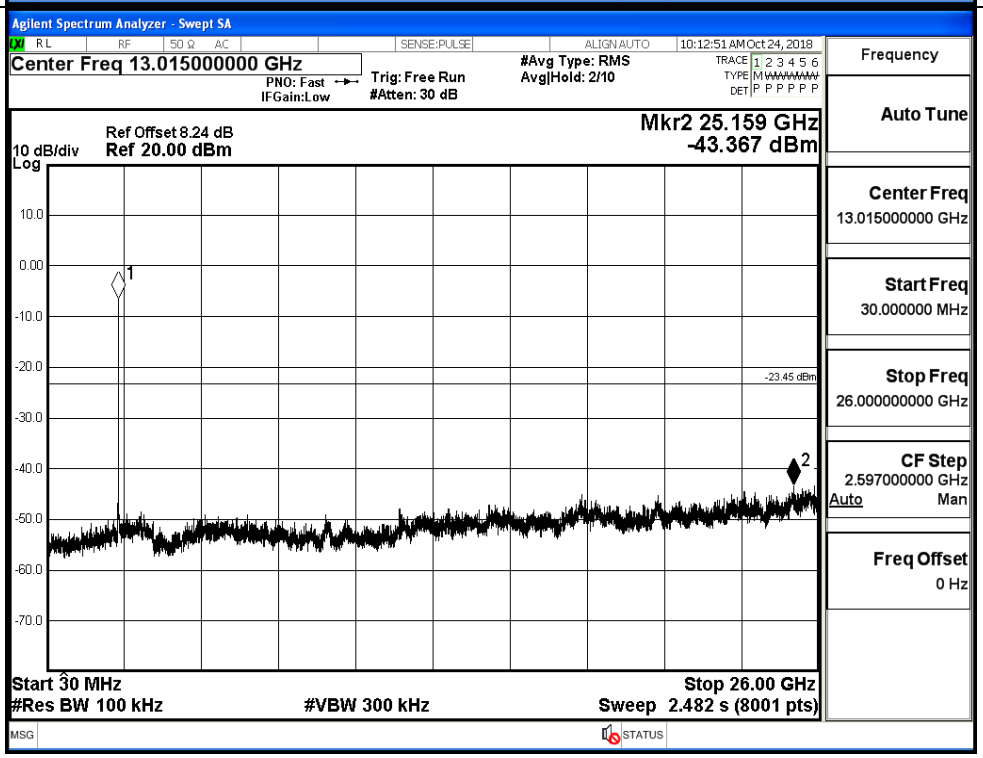
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	0.82	-42.561	-19.180	PASS
	MCH	1.939	-42.929	-18.061	PASS
	HCH	2.361	-43.287	-17.639	PASS
11G	LCH	-4.417	-42.902	-24.417	PASS
	MCH	-3.454	-43.367	-23.454	PASS
	HCH	-2.93	-44.850	-22.930	PASS
11N20SISO	LCH	-4.002	-44.136	-24.002	PASS
	MCH	-1.995	-43.628	-21.995	PASS
	HCH	-3.556	-42.874	-23.556	PASS
11N40SISO	LCH	-9.466	-43.463	-29.466	PASS
	MCH	-9.245	-40.677	-29.245	PASS
	HCH	-7.864	-43.573	-27.864	PASS

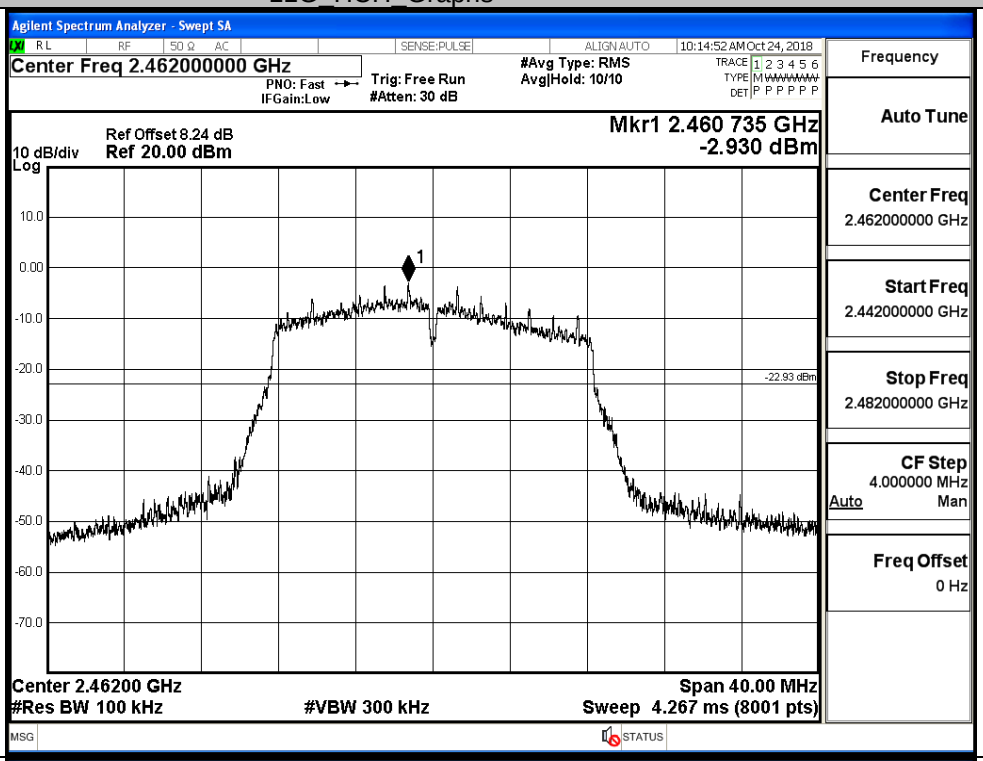
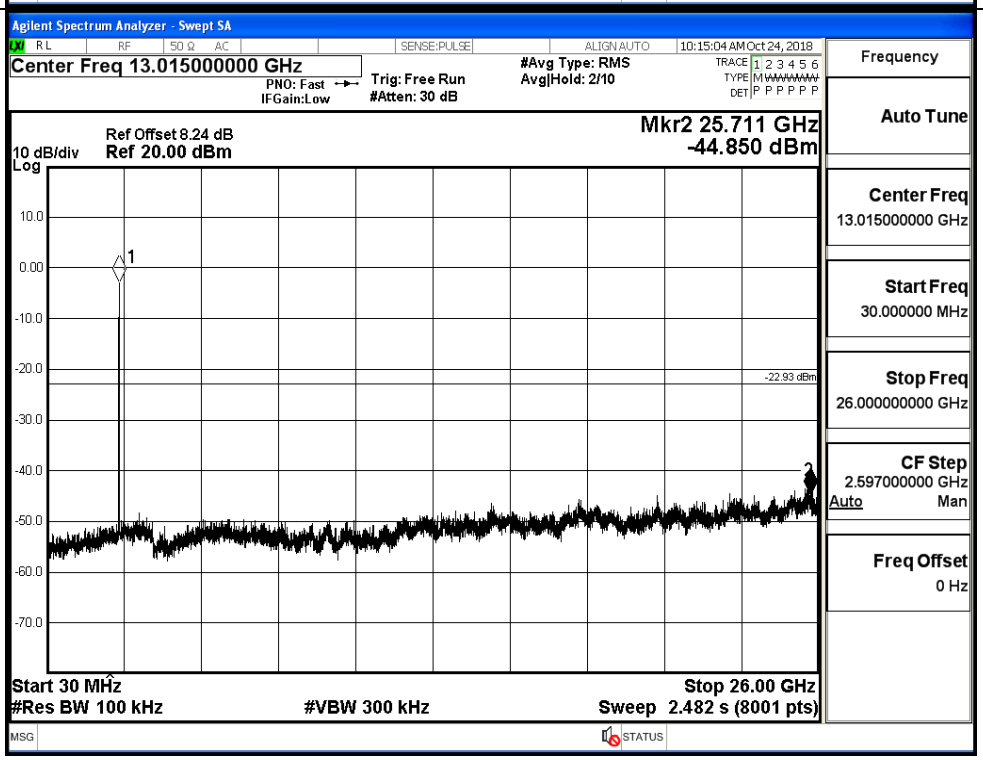
11B_LCH_Graphs	
Pref/11B/LCH	
Puw/11B/LCH	

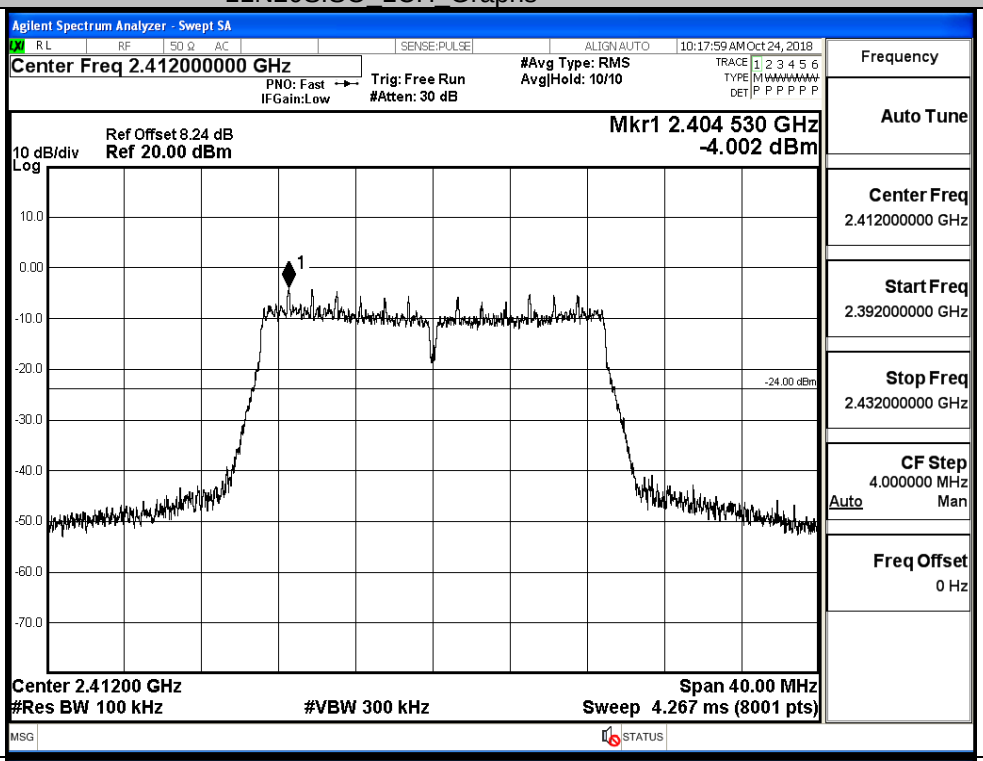
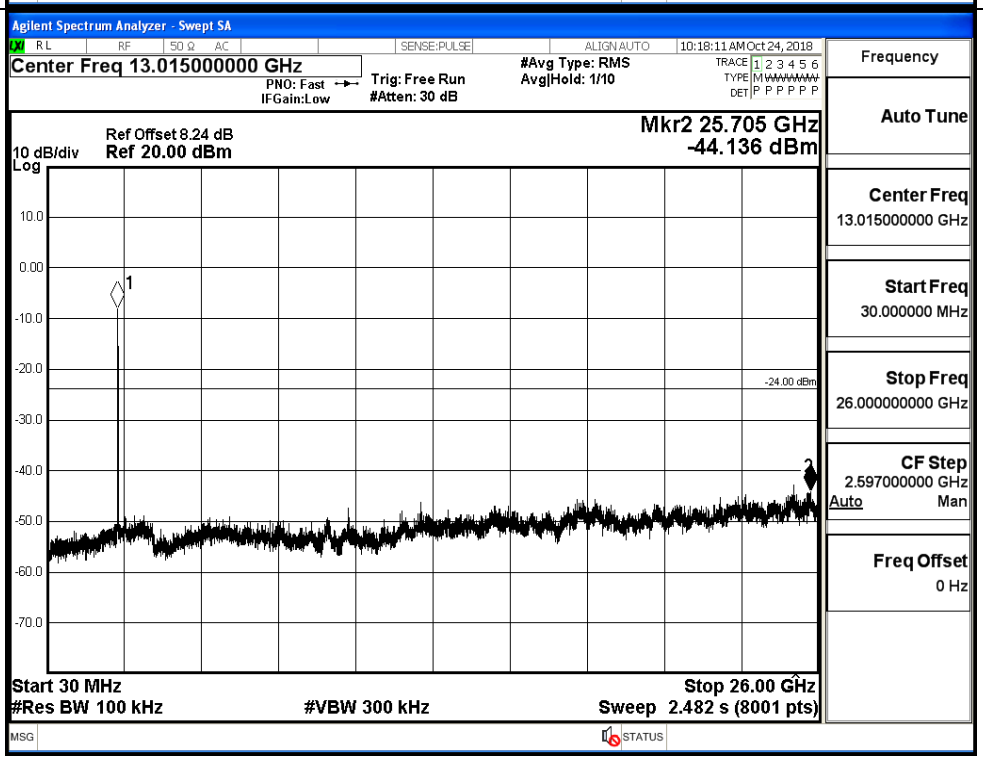
11B_MCH_Graphs	
Pref/11B/MCH	
Puw/11B/MCH	

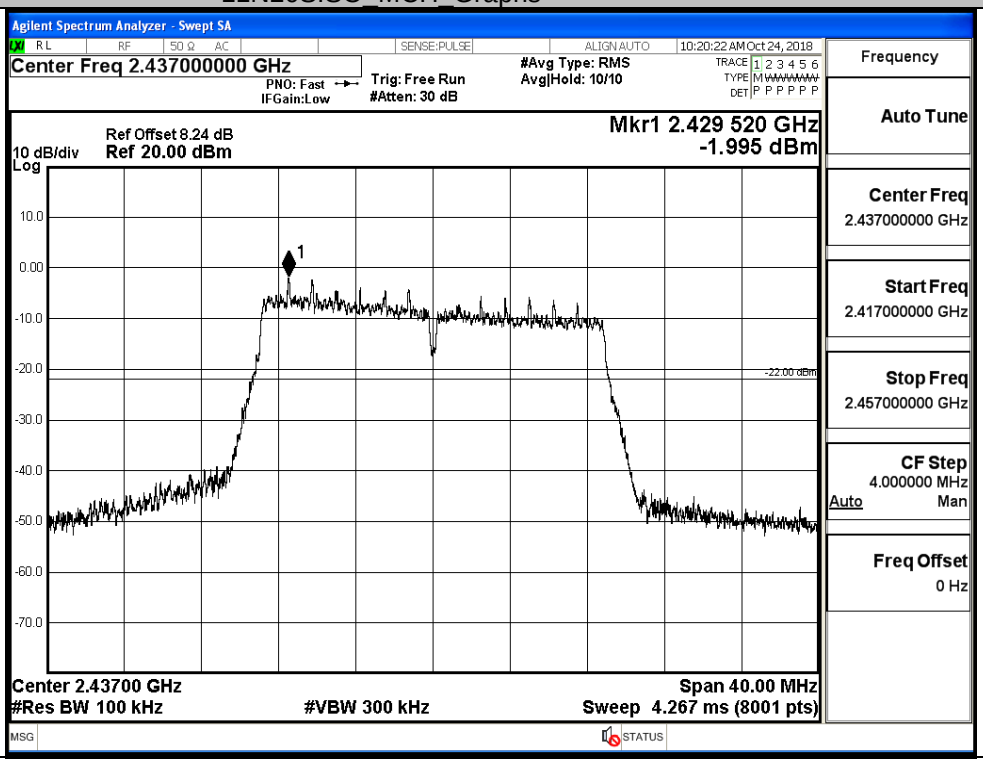
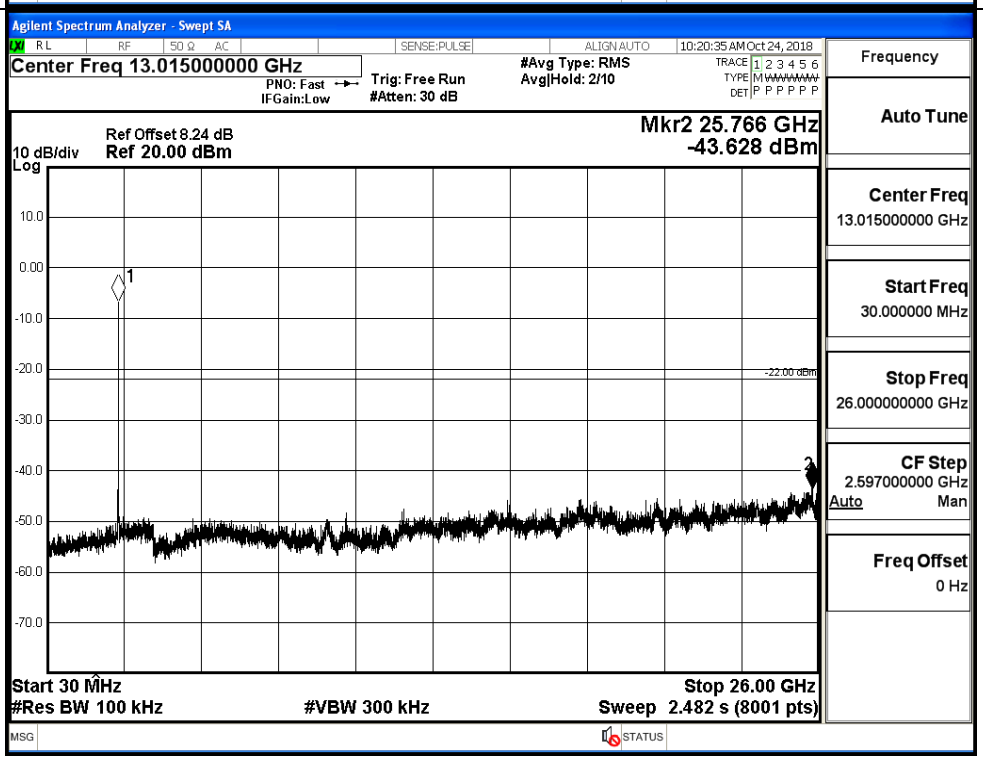
11B_HCH_Graphs	
Pref/11B/HCH	
Puw/11B/HCH	

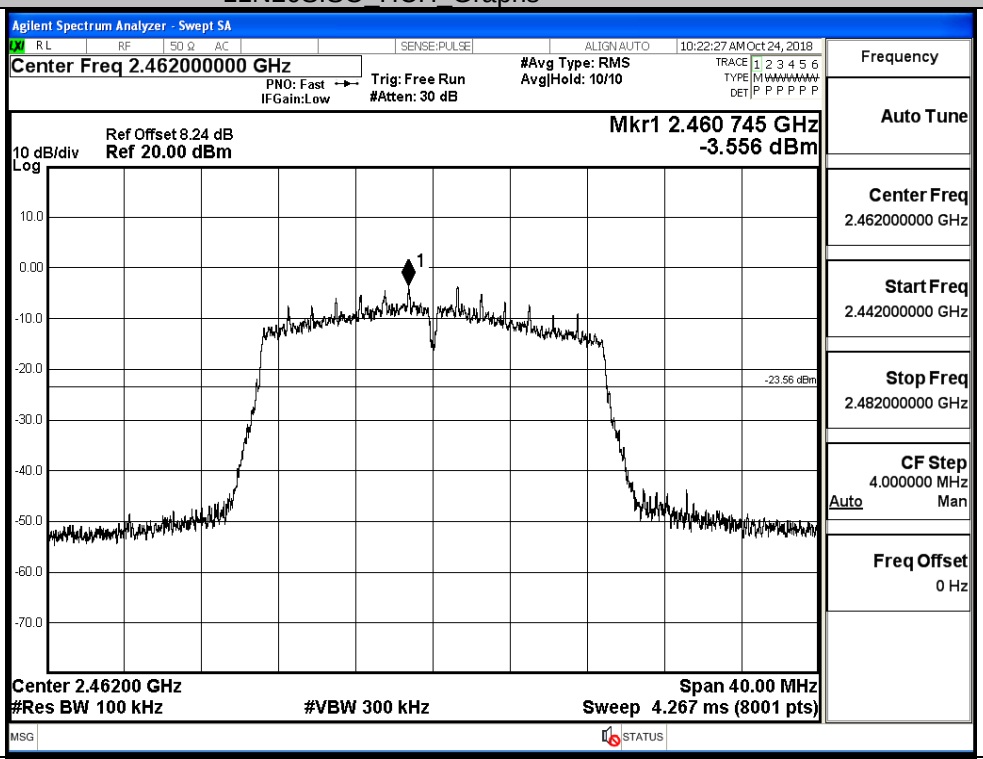
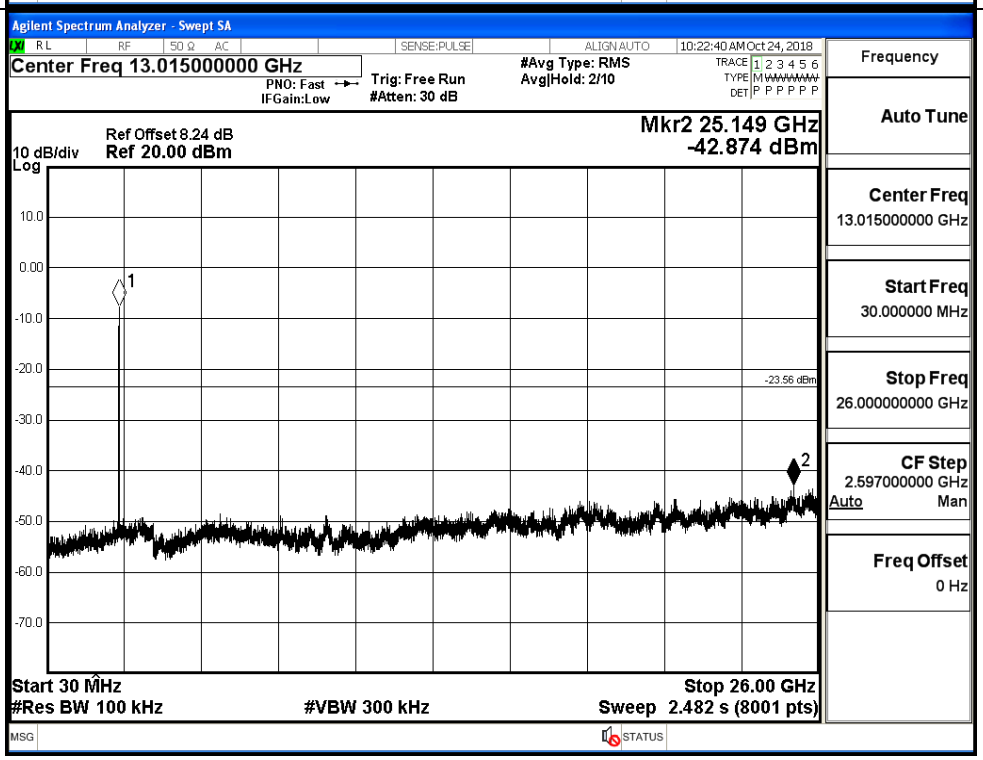
11G_LCH_Graphs	
Pref/11G/LCH	
Puw/11G/LCH	

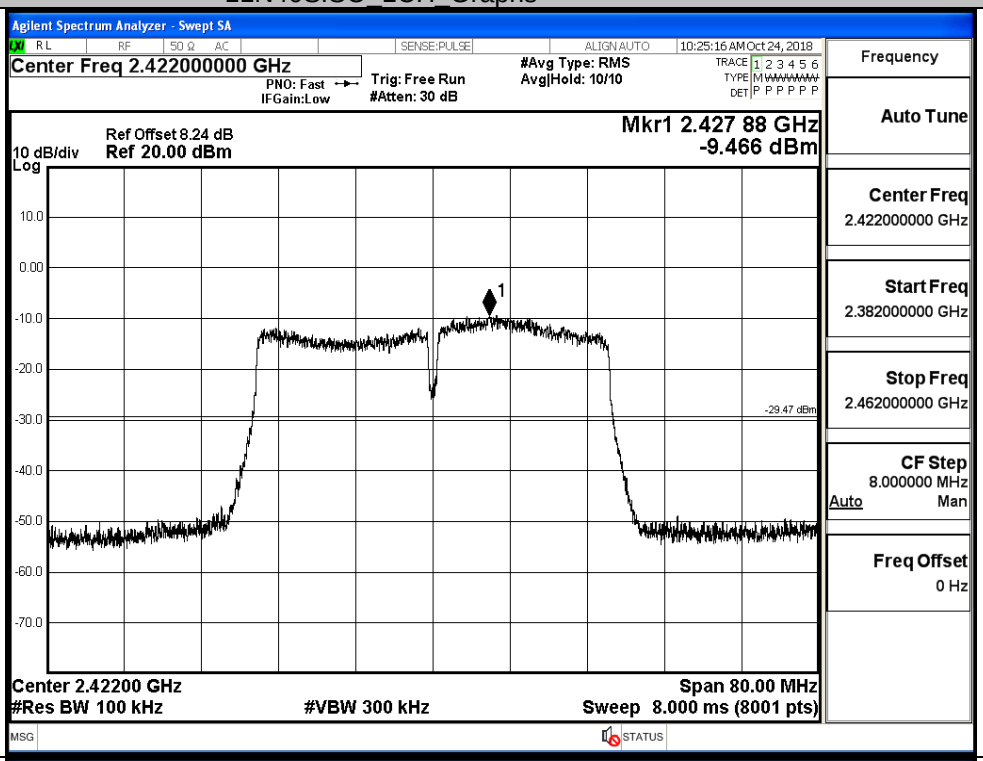
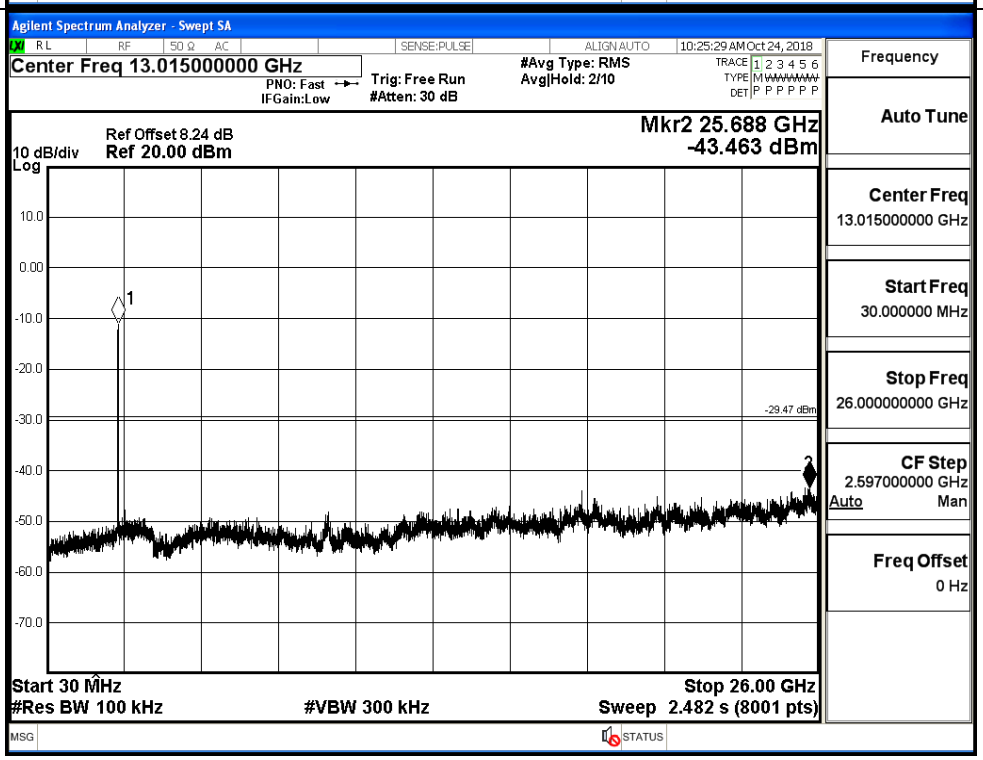
11G_MCH_Graphs	
Pref/11G/MCH	
Puw/11G/MCH	

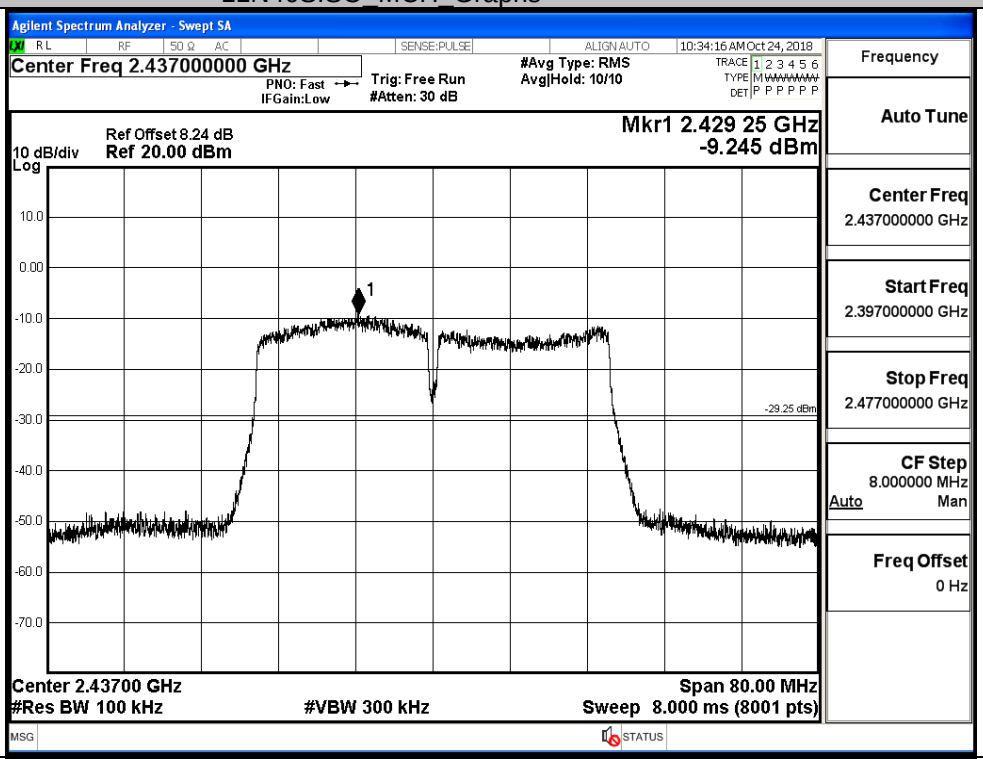
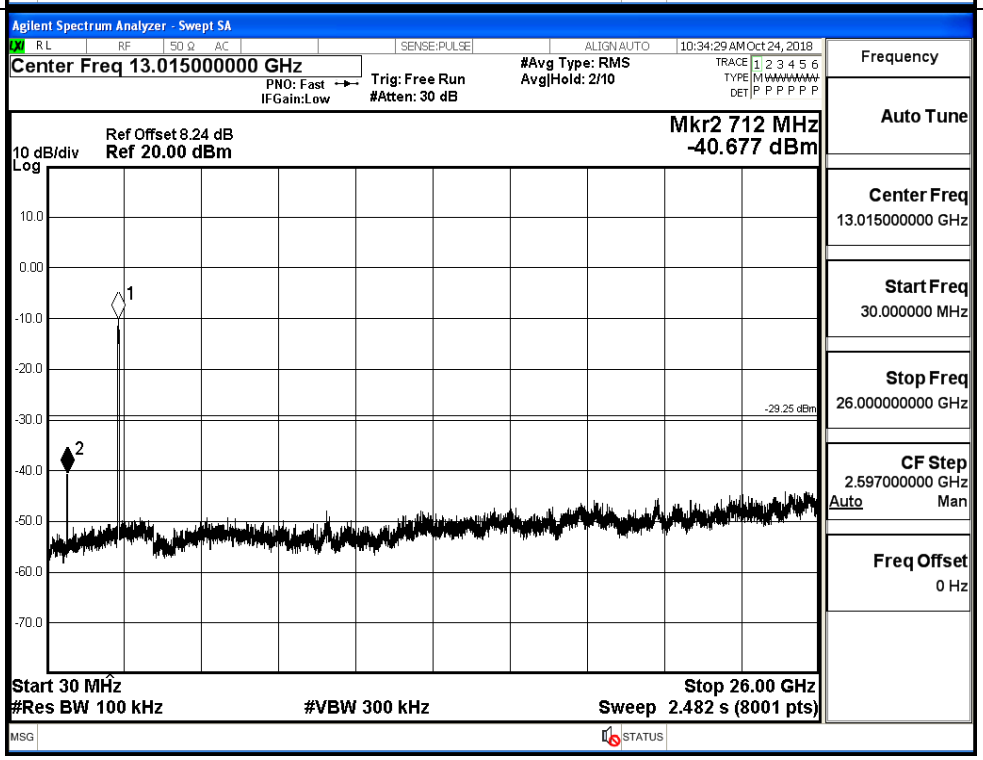
11G_HCH_Graphs	
Pref/11G/HCH	
Puw/11G/HCH	

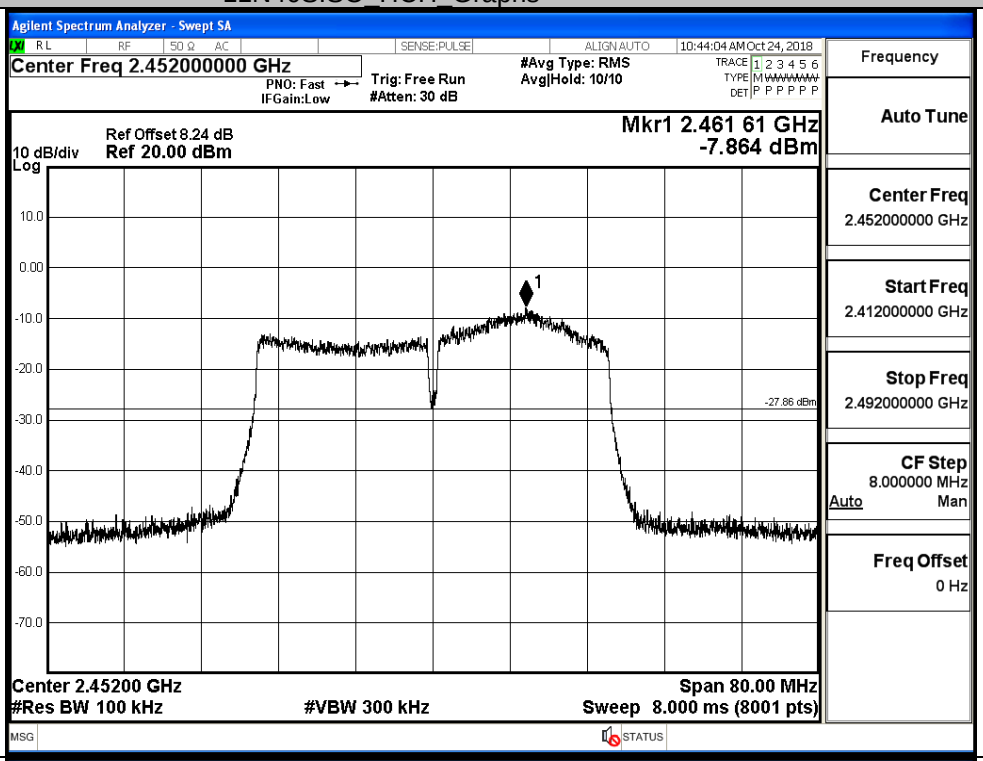
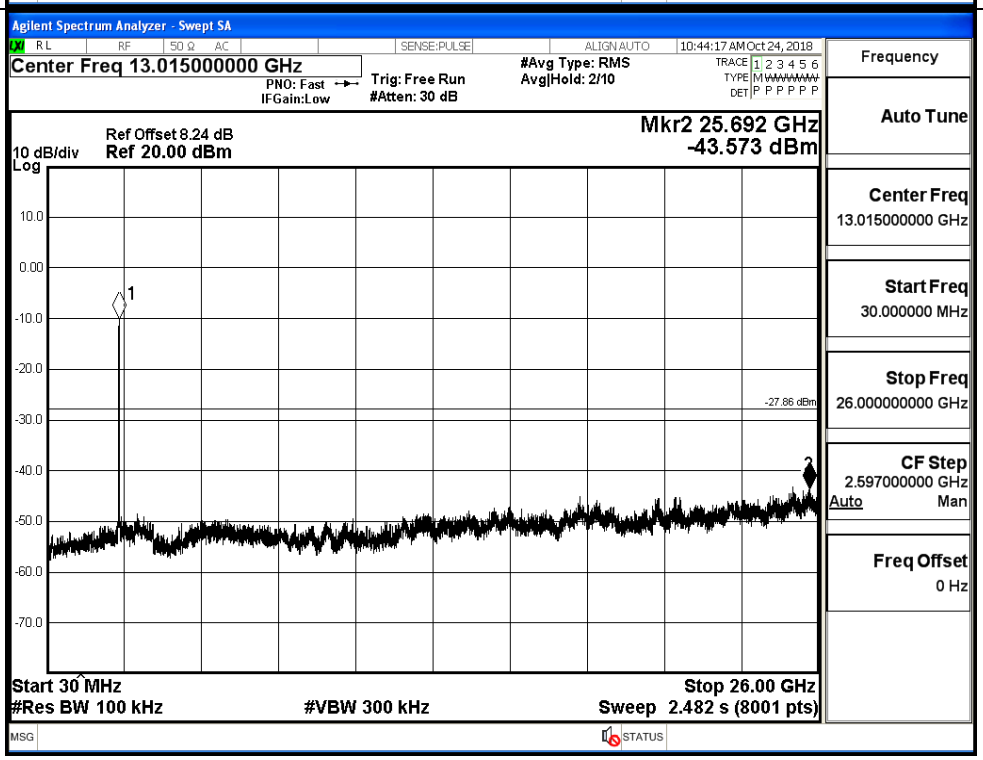
11N20SISO_LCH_Graphs	
Pref/11N20SISO/LCH	
Puw/11N20 SISO/LCH	

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	

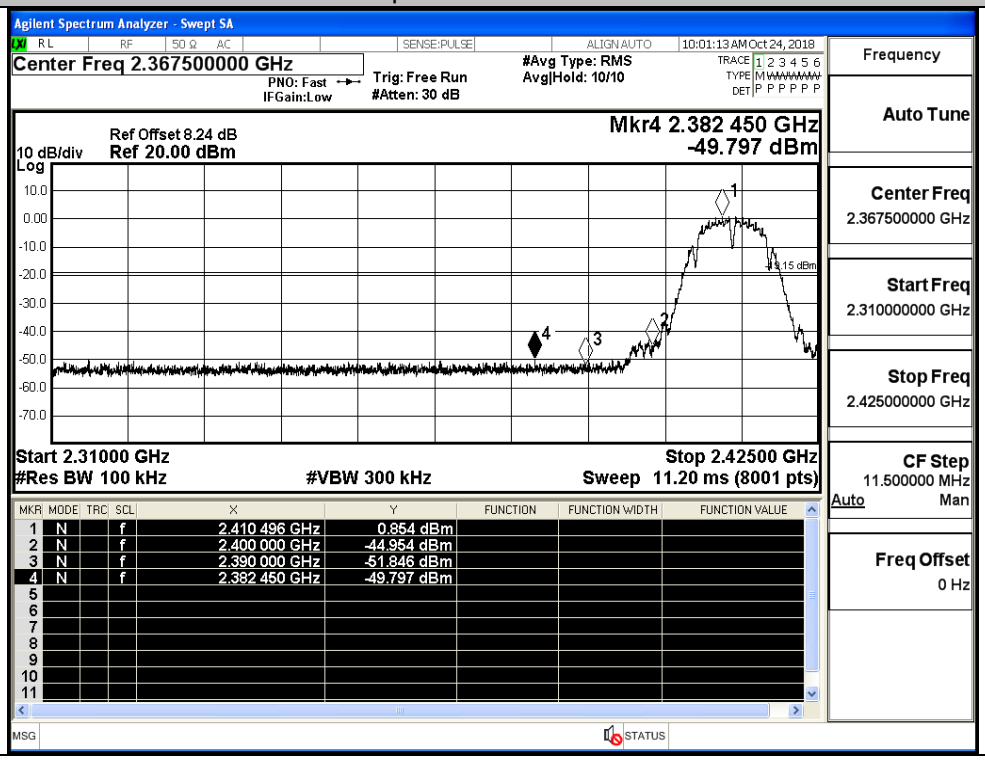
11N40SISO_HCH_Graphs	
Pref/11N40 SISO/HCH	
Puw/11N40 SISO/HCH	

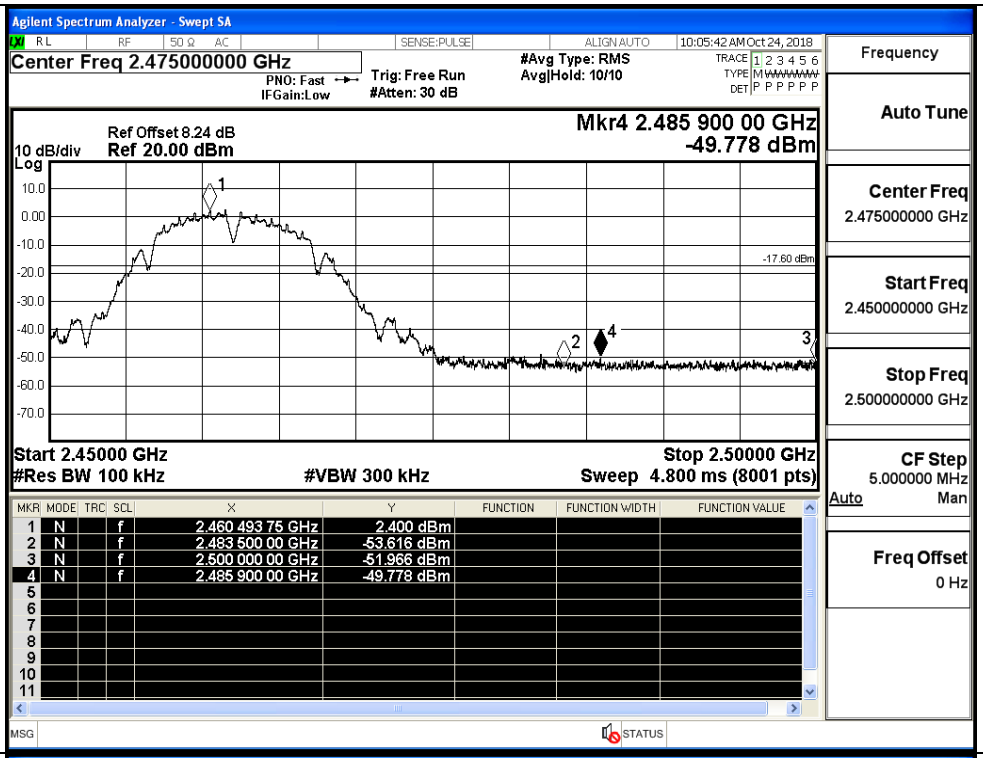
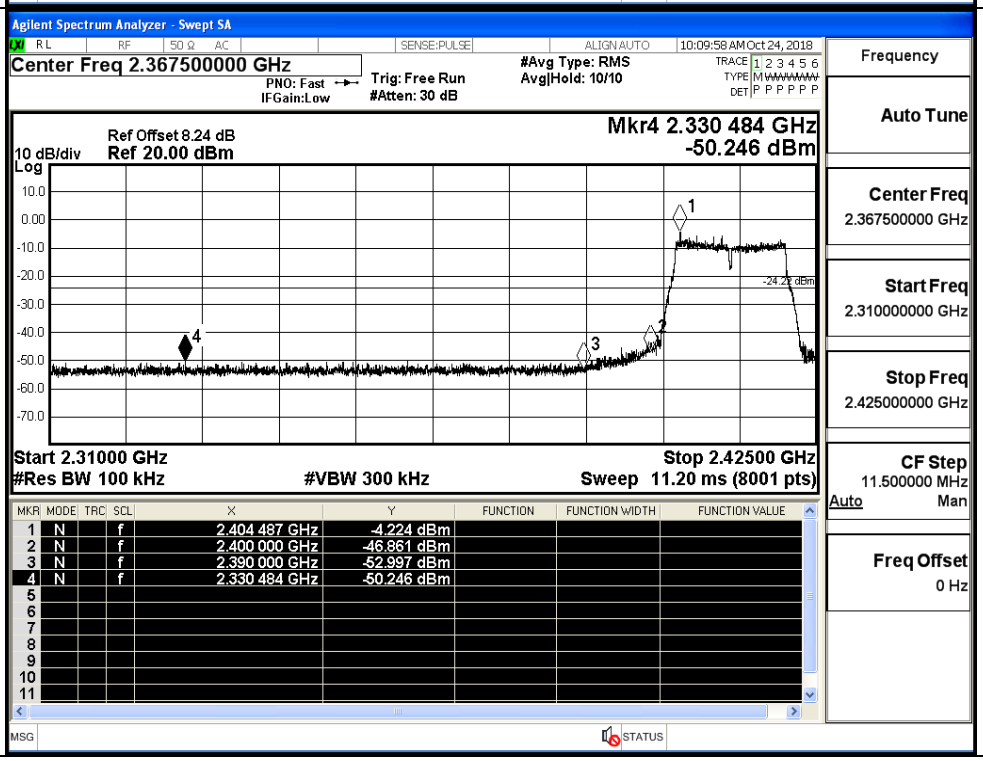
A.6 Band-edge for RF Conducted Emissions

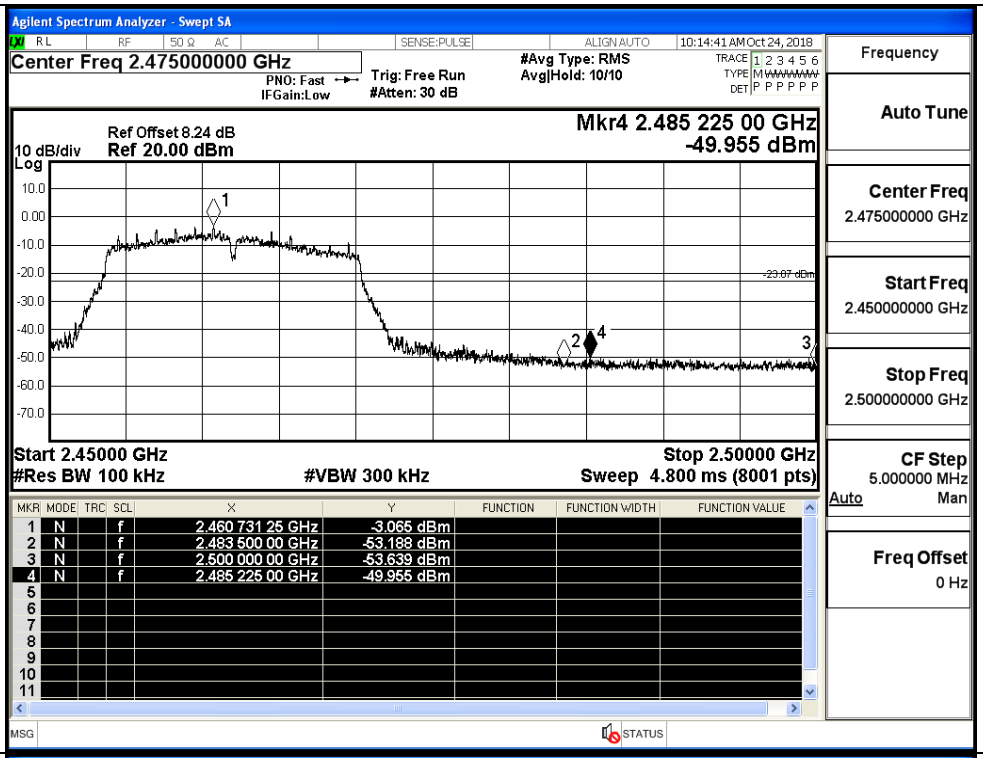
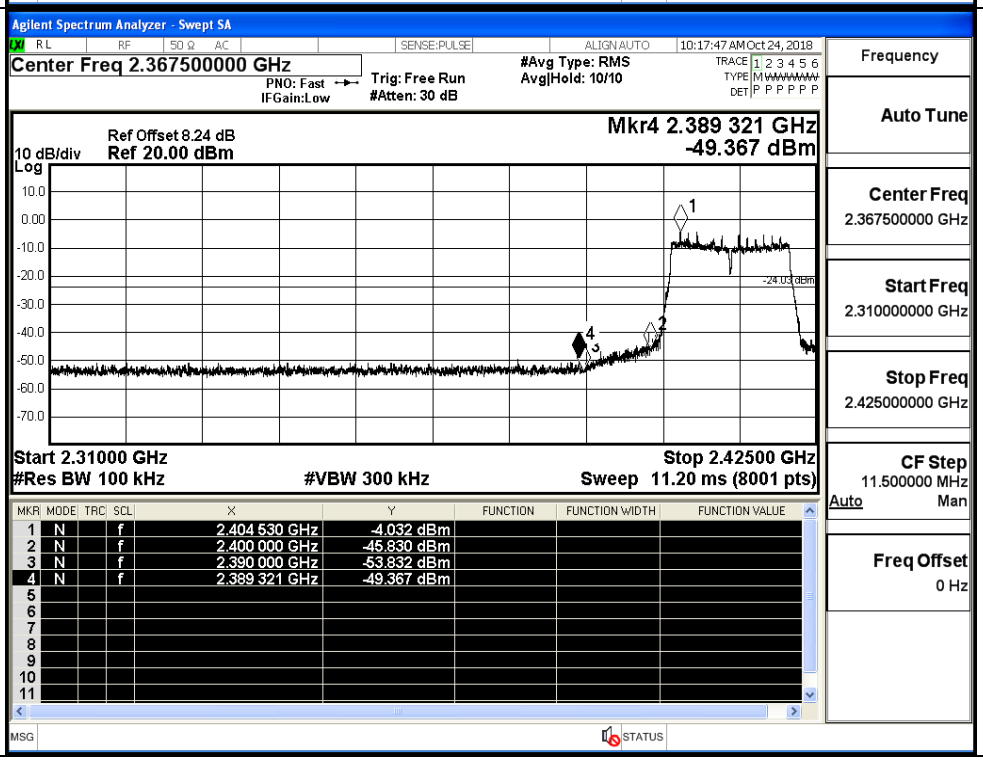
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	0.854	-49.797	-19.15	PASS
	HCH	2.400	-49.778	-17.6	PASS
11G	LCH	-4.224	-50.246	-24.22	PASS
	HCH	-3.065	-49.955	-23.07	PASS
11N20SISO	LCH	-4.032	-49.367	-24.03	PASS
	HCH	-3.526	-50.293	-23.53	PASS
11N40SISO	LCH	-9.362	-50.483	-29.36	PASS
	HCH	-8.178	-47.705	-28.18	PASS

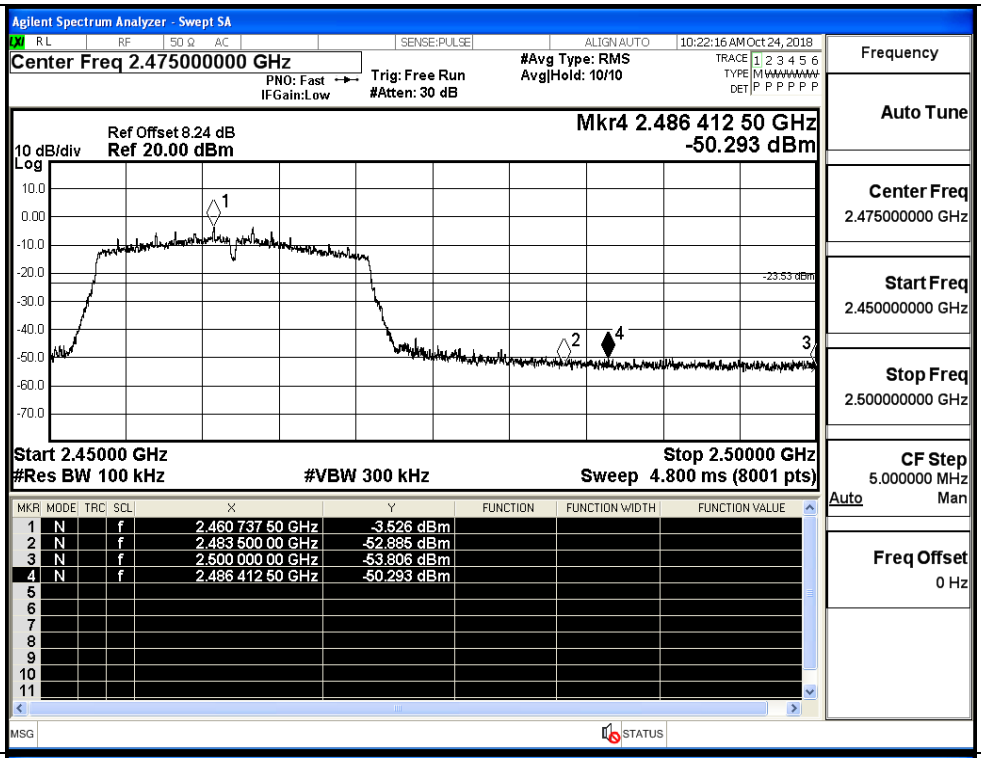
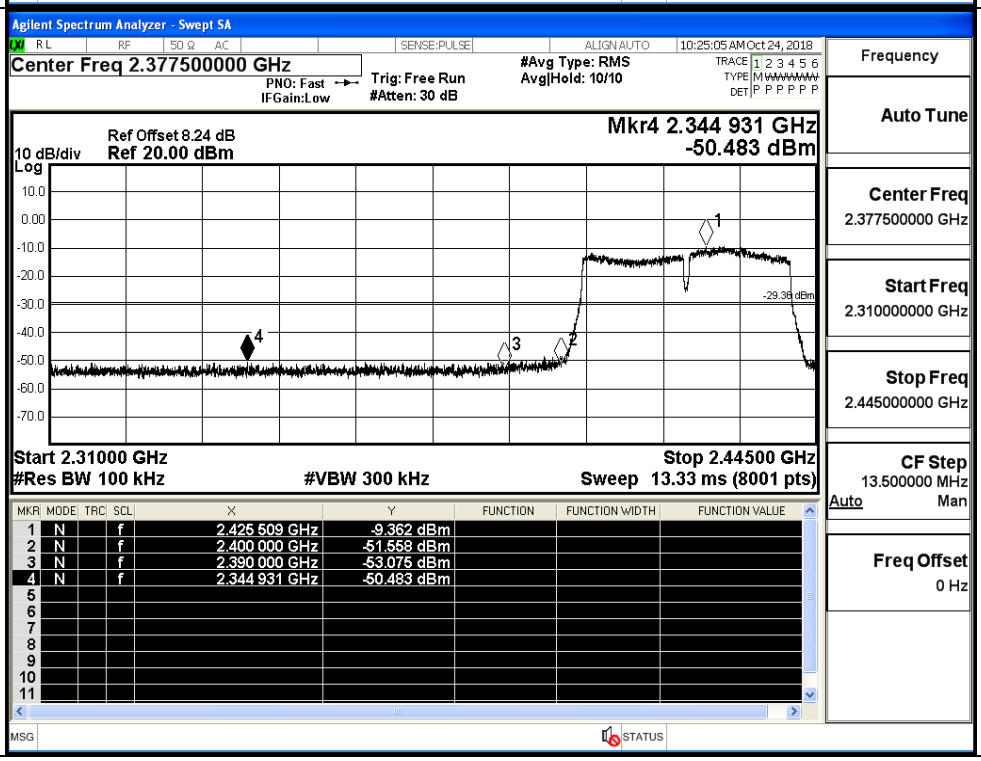
Test Graphs

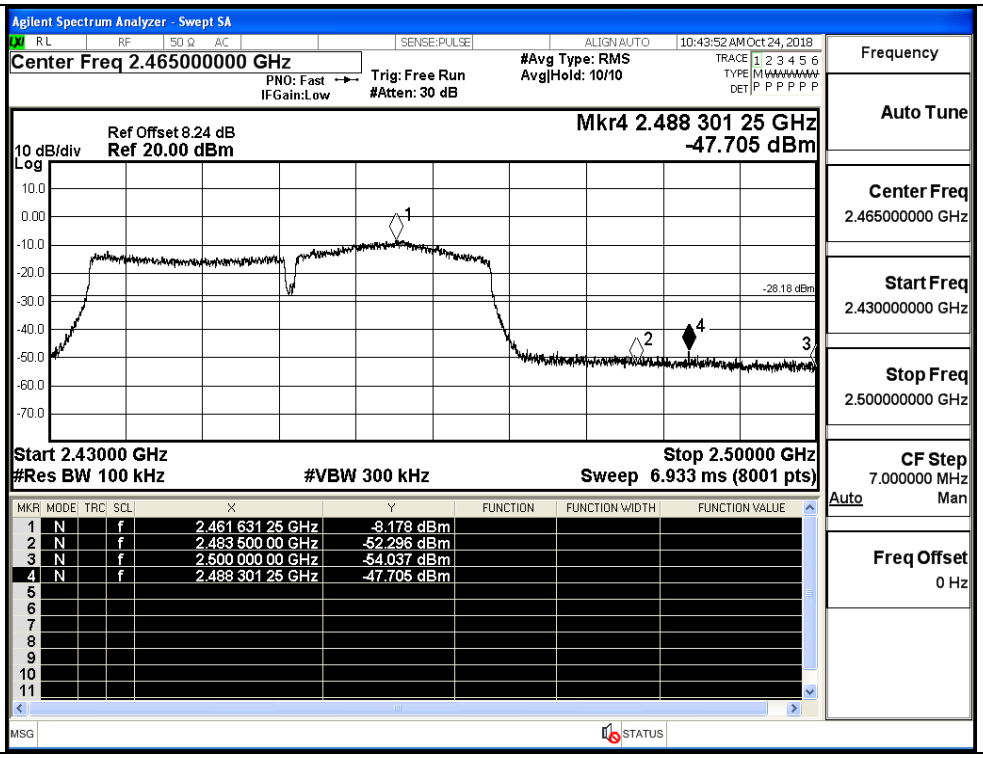
11B/LCH



11B/HCH	
11G/LCH	

11G/HCH	
11N20SISO/LCH	

11N20SISO/HCH		
11N40SISO/LCH		

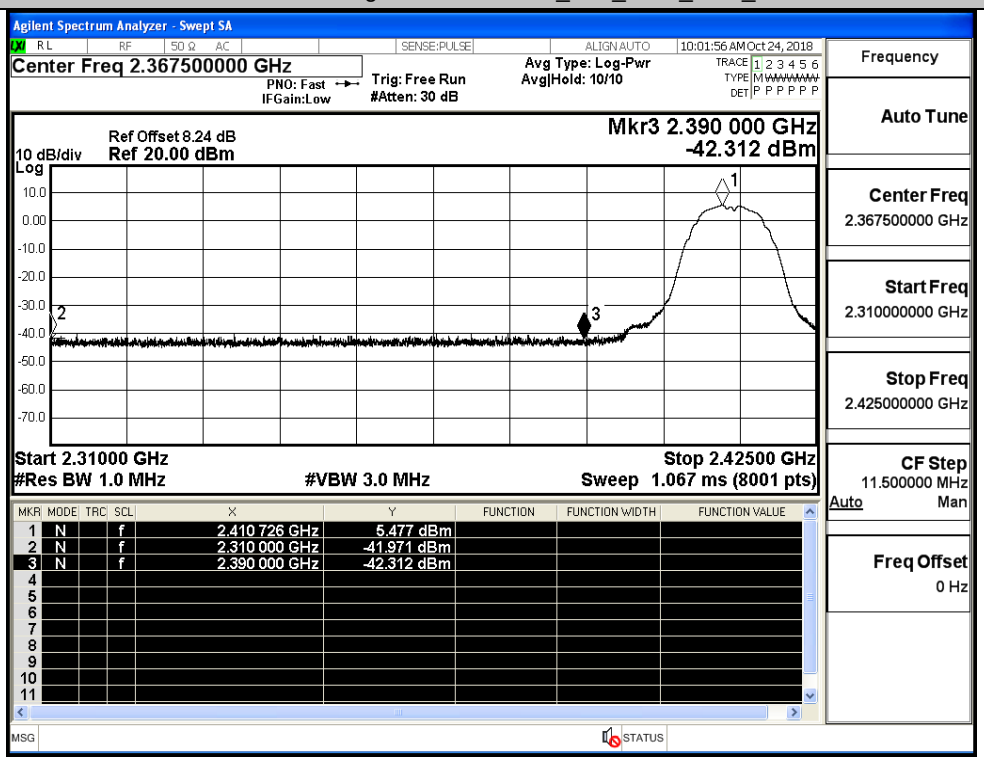
11N40SISO/HCH	

A.7 Restrict-band band-edge measurements

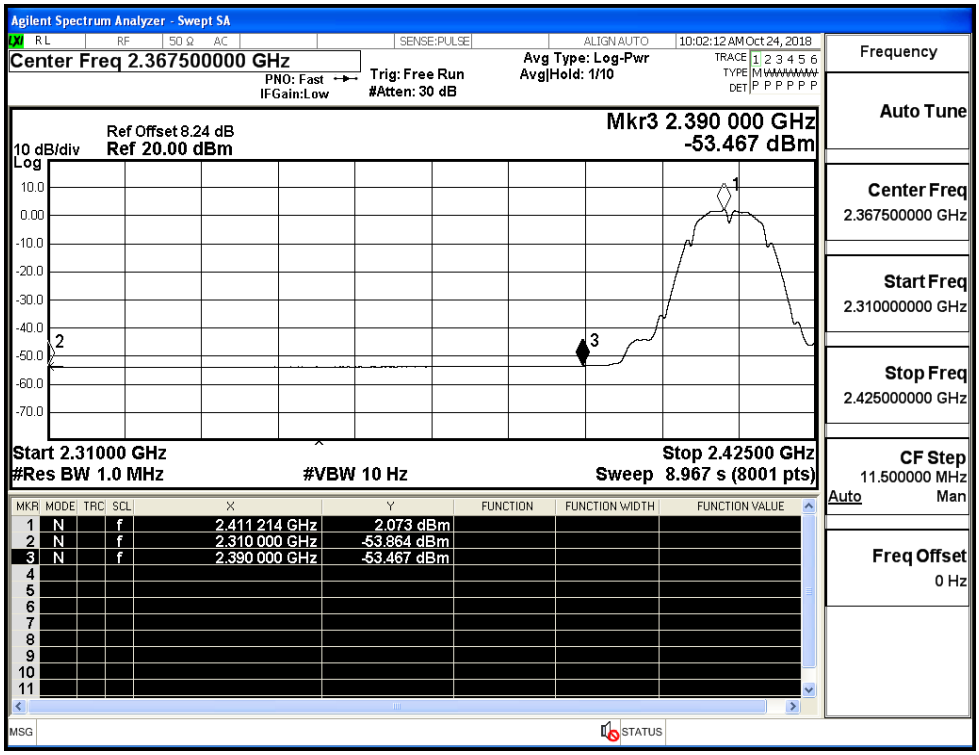
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-41.971	3.00	0	56.257	PEAK	74	PASS
	2412	Ant1	2310.0	-53.864	3.00	0	44.364	AV	54	PASS
	2412	Ant1	2390.0	-42.312	3.00	0	55.916	PEAK	74	PASS
	2412	Ant1	2390.0	-53.467	3.00	0	44.761	AV	54	PASS
	2462	Ant1	2483.5	-42.901	3.00	0	55.327	PEAK	74	PASS
	2462	Ant1	2483.5	-52.975	3.00	0	45.253	AV	54	PASS
	2462	Ant1	2500.0	-42.930	3.00	0	55.298	PEAK	74	PASS
	2462	Ant1	2500.0	-53.205	3.00	0	45.023	AV	54	PASS
11G	2412	Ant1	2310.0	-42.336	3.00	0	55.892	PEAK	74	PASS
	2412	Ant1	2310.0	-53.803	3.00	0	44.425	AV	54	PASS
	2412	Ant1	2390.0	-42.736	3.00	0	55.492	PEAK	74	PASS
	2412	Ant1	2390.0	-53.241	3.00	0	44.987	AV	54	PASS
	2462	Ant1	2483.5	-42.250	3.00	0	55.978	PEAK	74	PASS
	2462	Ant1	2483.5	-52.395	3.00	0	45.833	AV	54	PASS
	2462	Ant1	2500.0	-42.986	3.00	0	55.242	PEAK	74	PASS
	2462	Ant1	2500.0	-53.230	3.00	0	44.998	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.472	3.00	0	54.756	PEAK	74	PASS
	2412	Ant1	2310.0	-53.817	3.00	0	44.411	AV	54	PASS
	2412	Ant1	2390.0	-43.066	3.00	0	55.162	PEAK	74	PASS
	2412	Ant1	2390.0	-53.325	3.00	0	44.903	AV	54	PASS
	2462	Ant1	2483.5	-41.713	3.00	0	56.515	PEAK	74	PASS
	2462	Ant1	2483.5	-52.380	3.00	0	45.848	AV	54	PASS
	2462	Ant1	2500.0	-42.877	3.00	0	55.351	PEAK	74	PASS
	2462	Ant1	2500.0	-53.166	3.00	0	45.062	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.350	3.00	0	54.878	PEAK	74	PASS
	2422	Ant1	2310.0	-53.784	3.00	0	44.444	AV	54	PASS

	2422	Ant1	2390.0	-43.182	3.00	0	55.046	PEAK	74	PASS
	2422	Ant1	2390.0	-53.243	3.00	0	44.985	AV	54	PASS
	2452	Ant1	2483.5	-40.759	3.00	0	57.469	PEAK	74	PASS
	2452	Ant1	2483.5	-51.498	3.00	0	46.730	AV	54	PASS
	2452	Ant1	2500.0	-42.953	3.00	0	55.275	PEAK	74	PASS
	2452	Ant1	2500.0	-53.161	3.00	0	45.067	AV	54	PASS

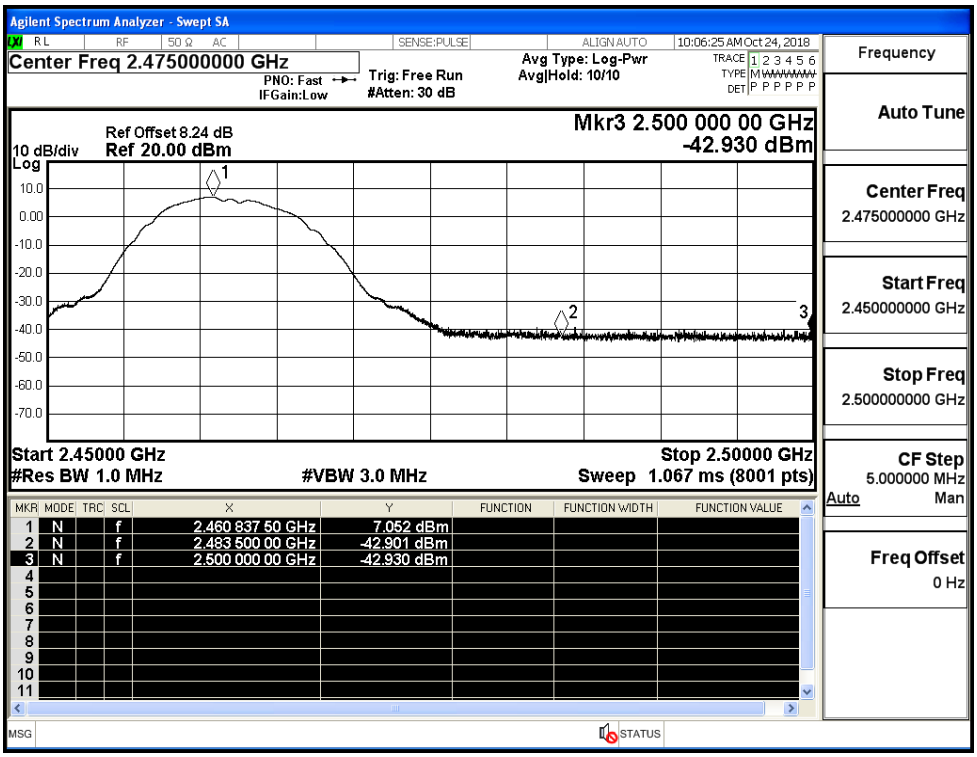
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



Restrict-band band-edge measurements_11B_2412_Ant1_AV



Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



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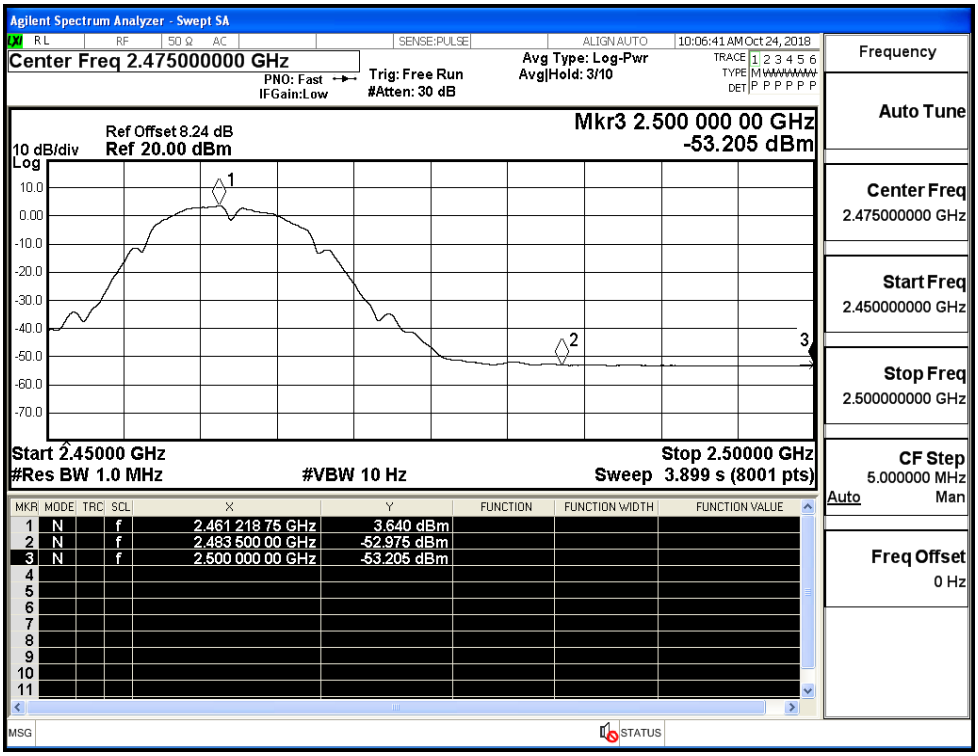
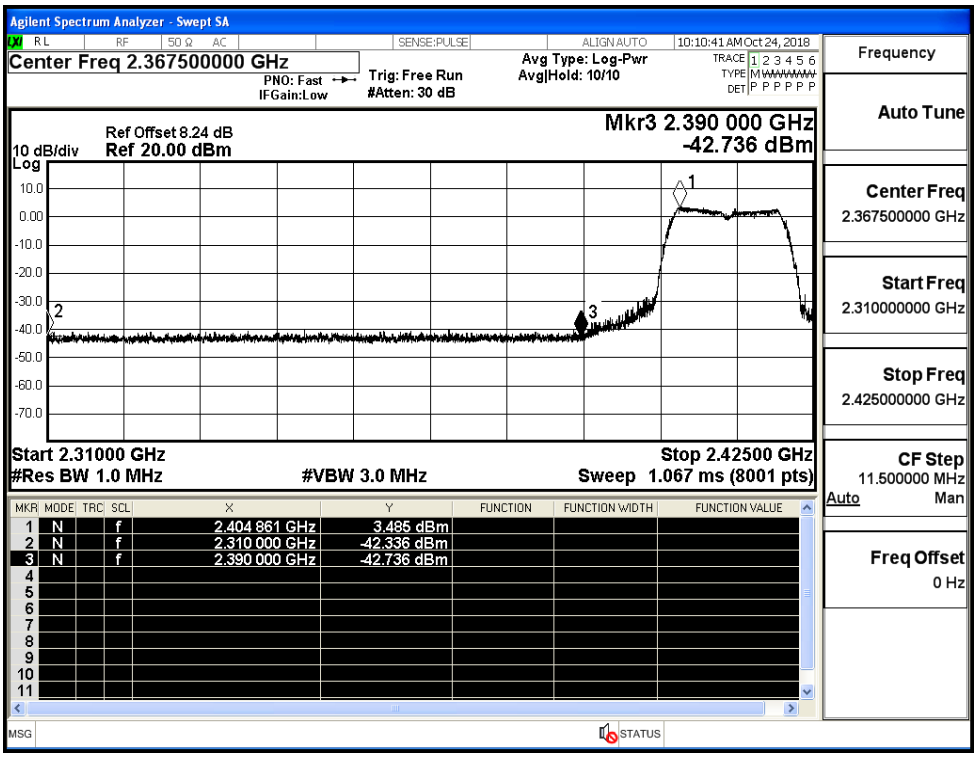


Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



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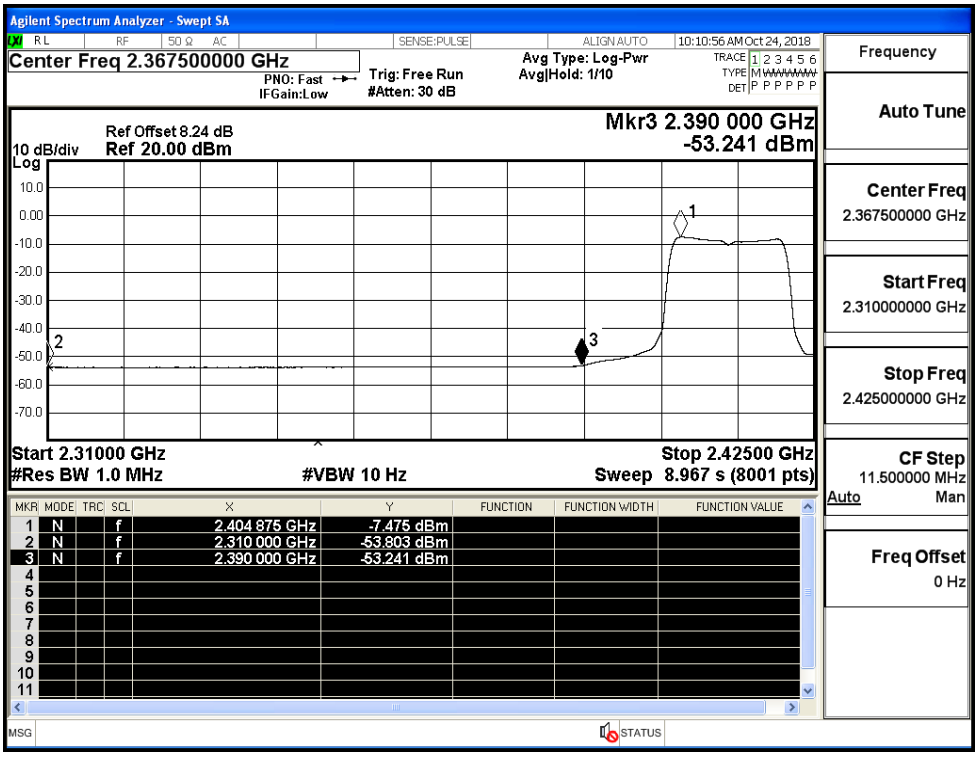

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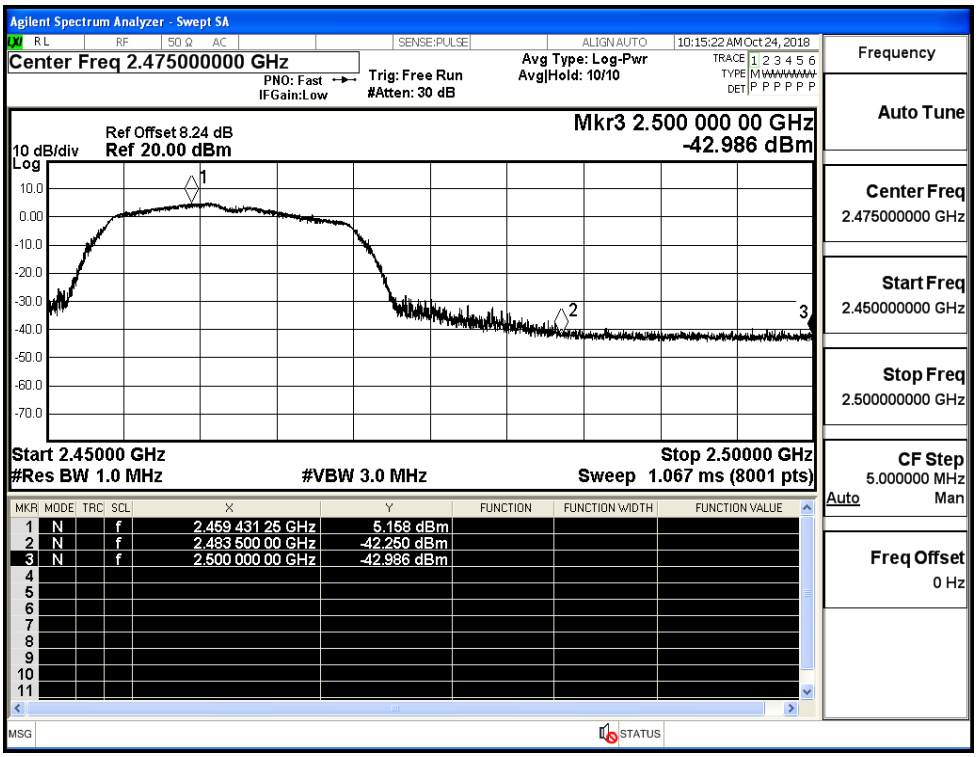

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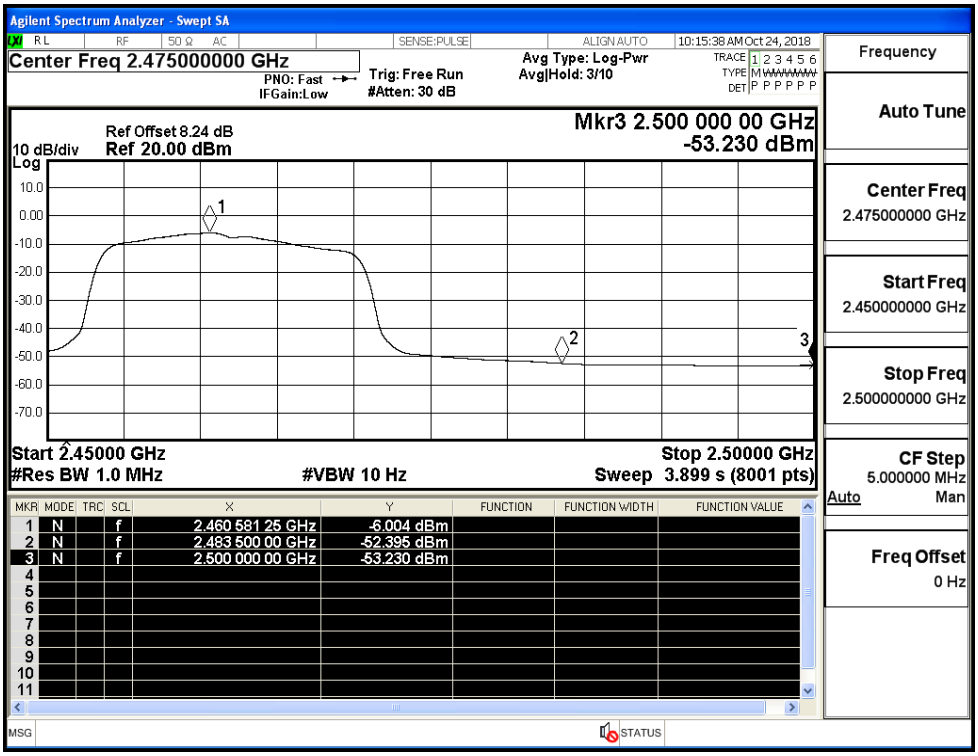
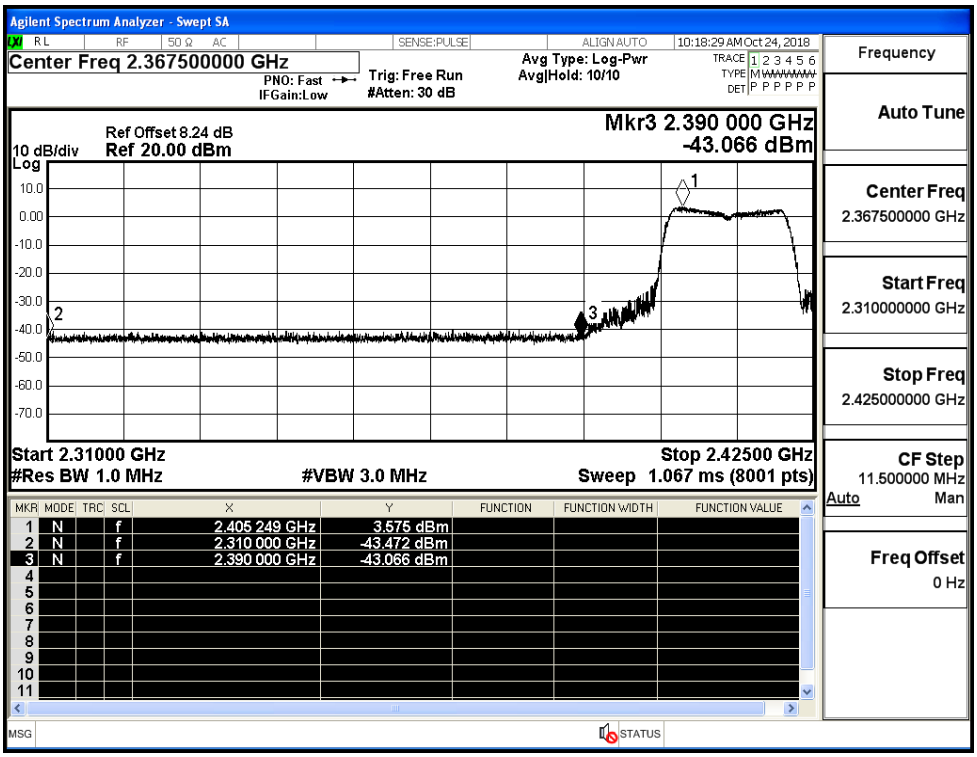


Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



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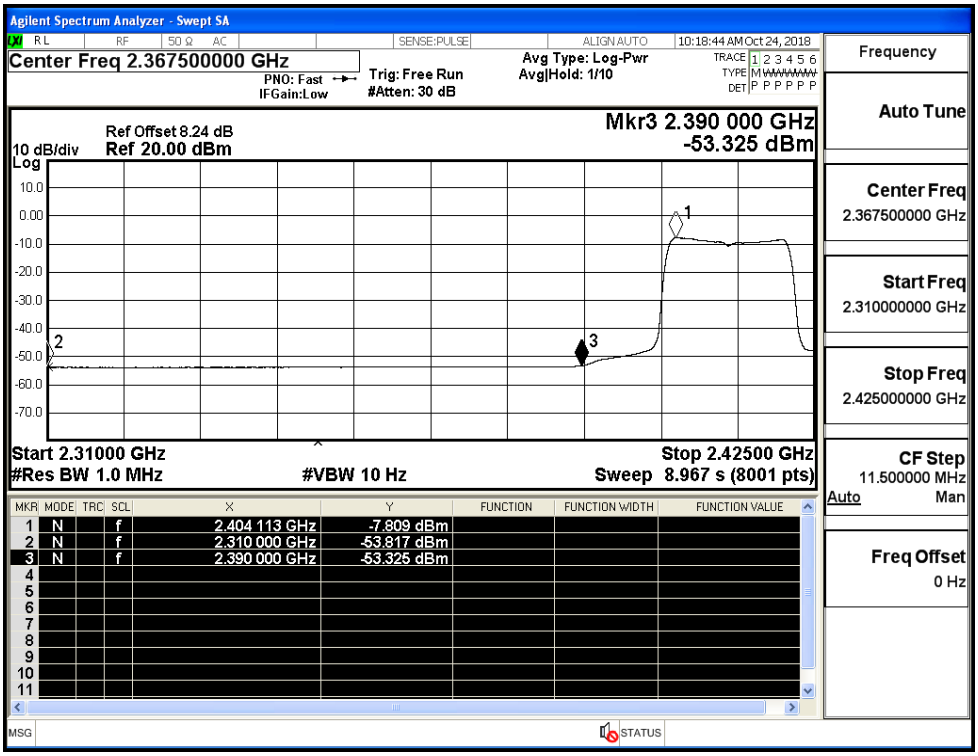

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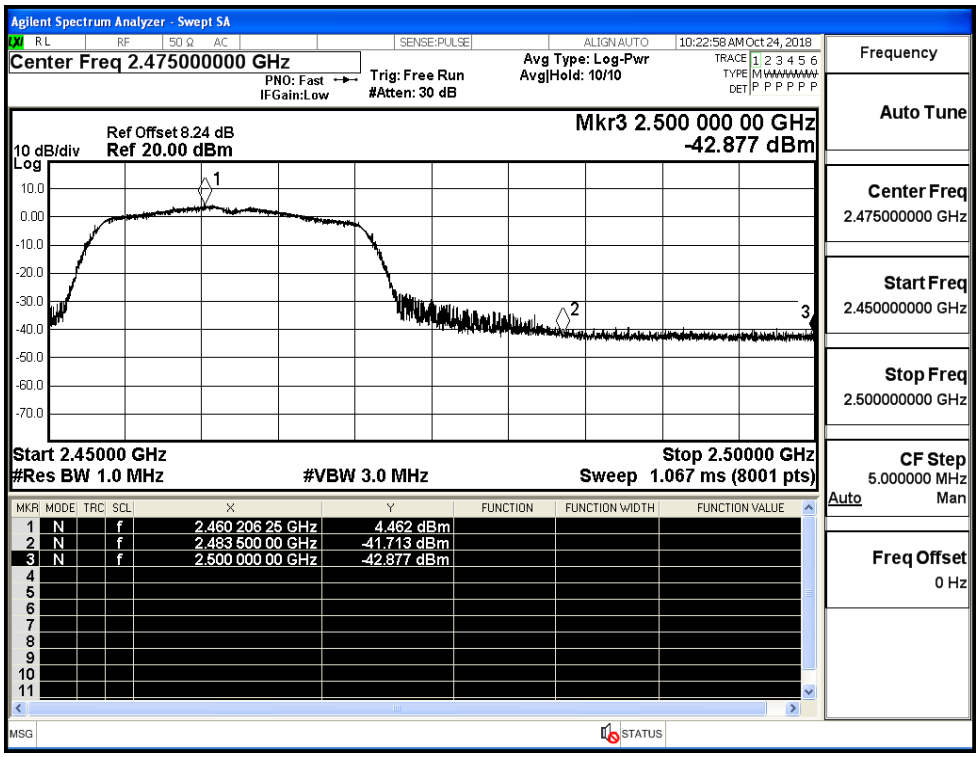

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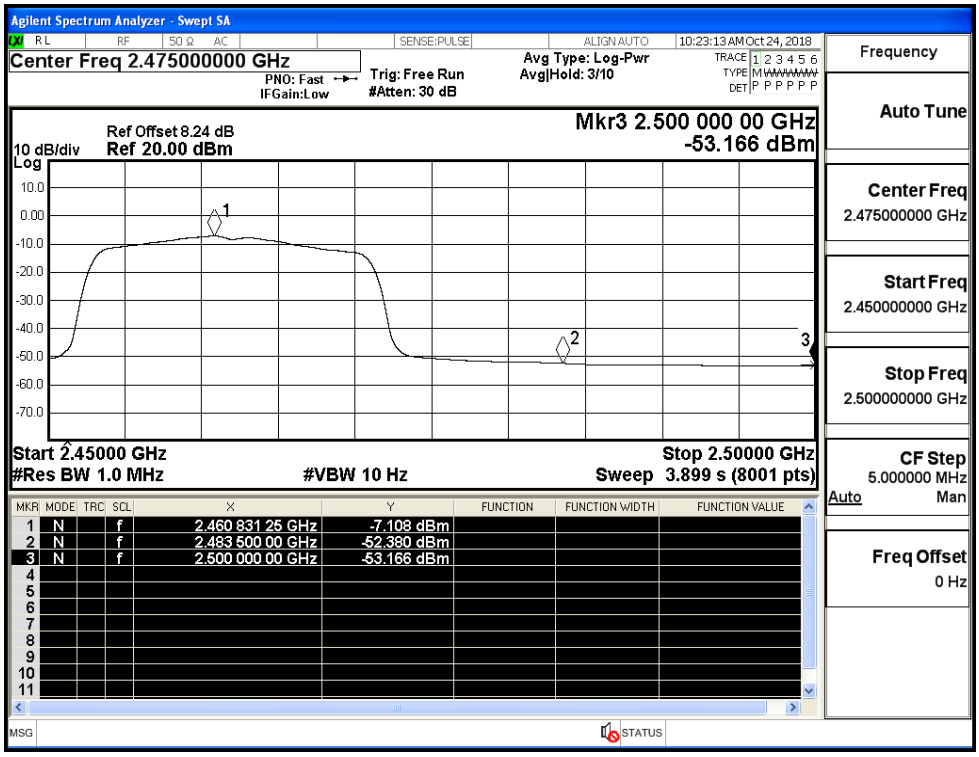
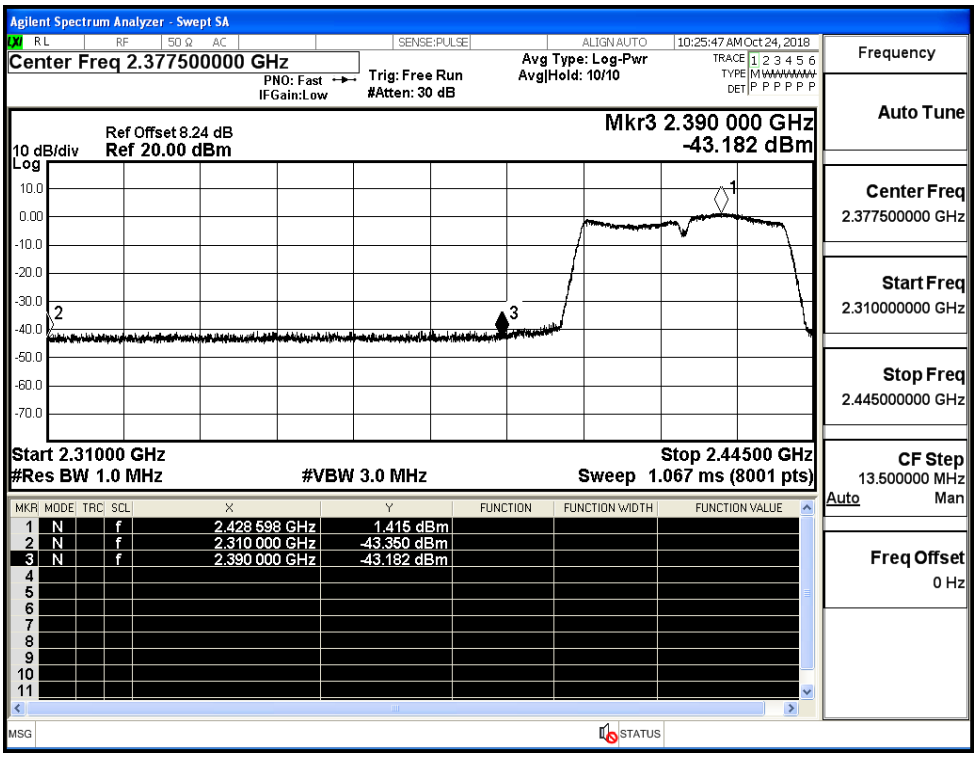


Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



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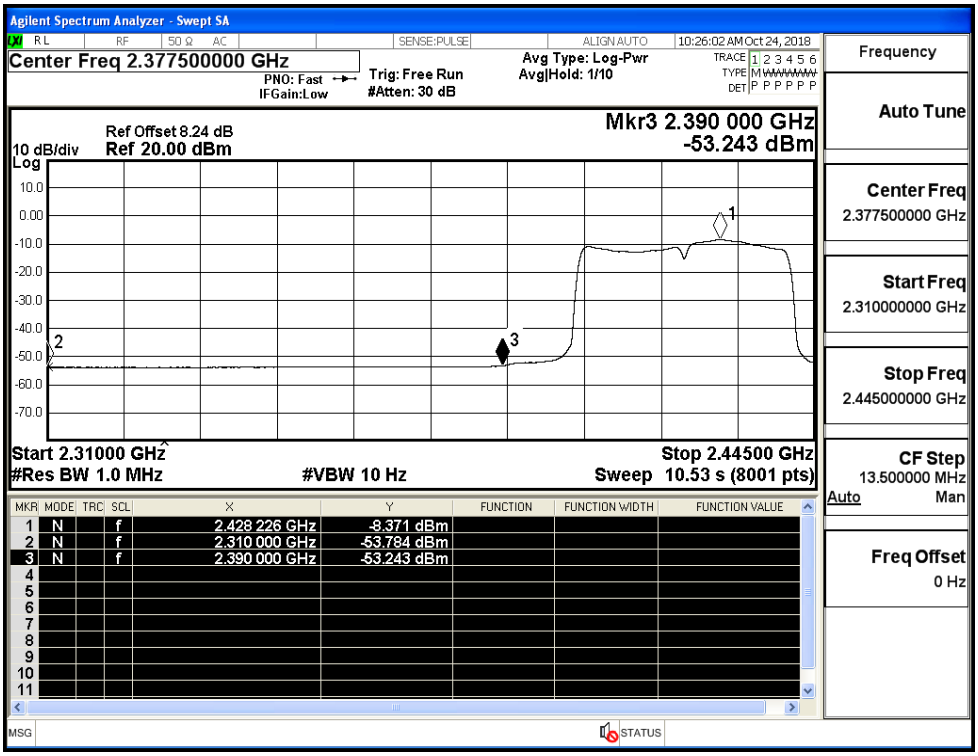
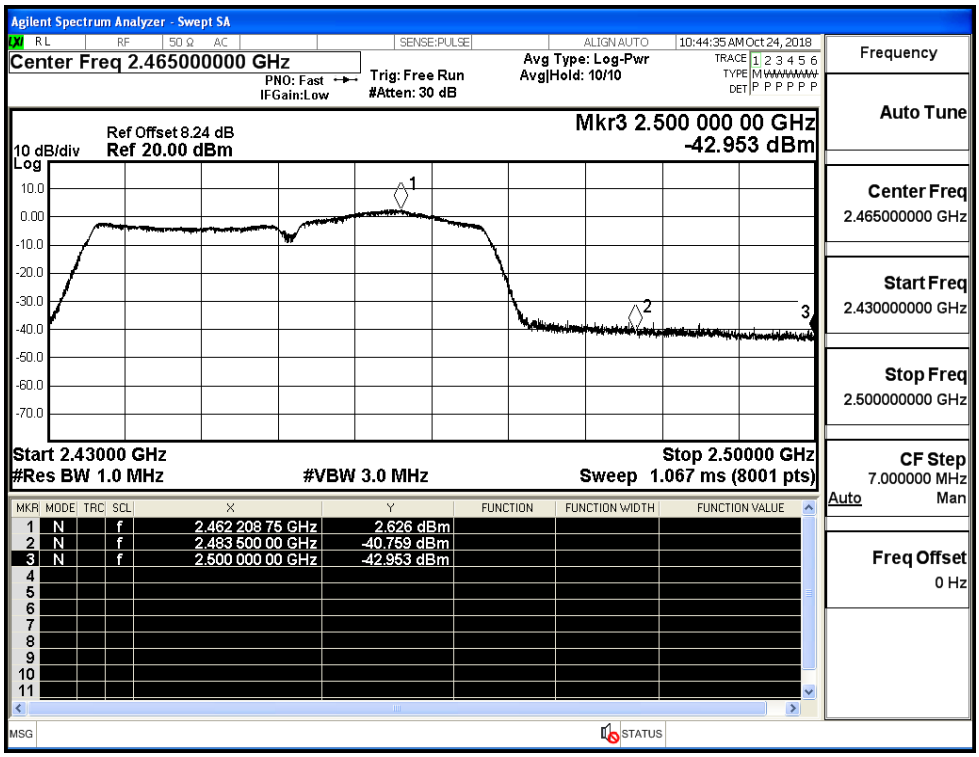


Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV