Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)
Product Name: WiFi IP CAMERA
Trade Mark: SECULINK
Test Model: C8

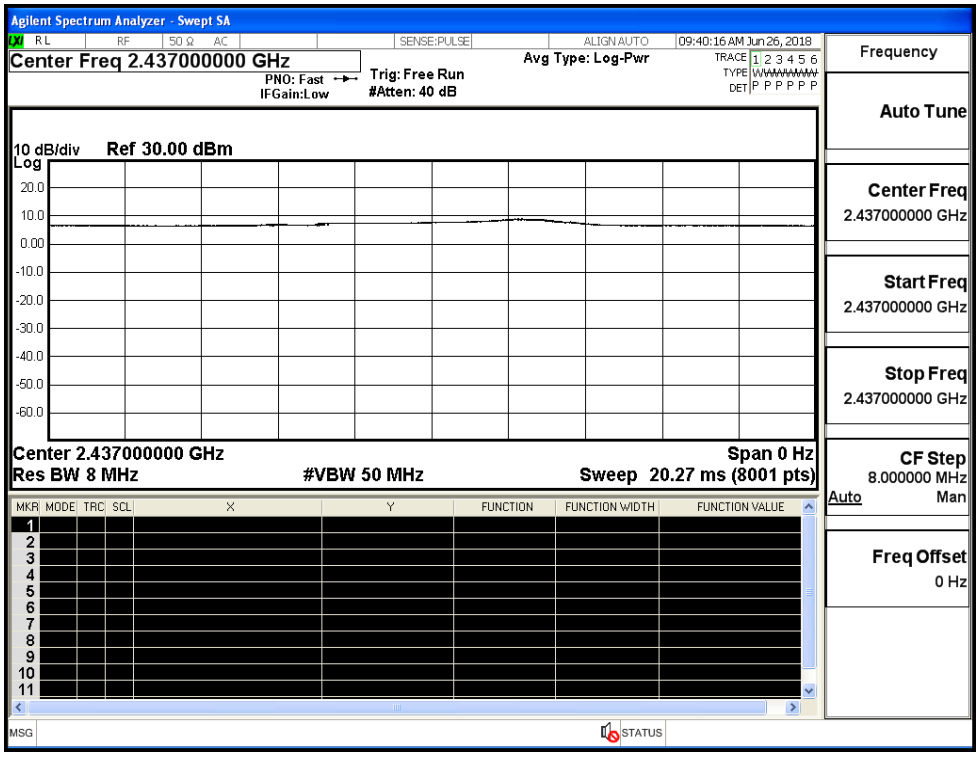
Environmental Conditions

Temperature:	23.4 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Ryan.Hu
Supervised by:	Jayden.Zhuo

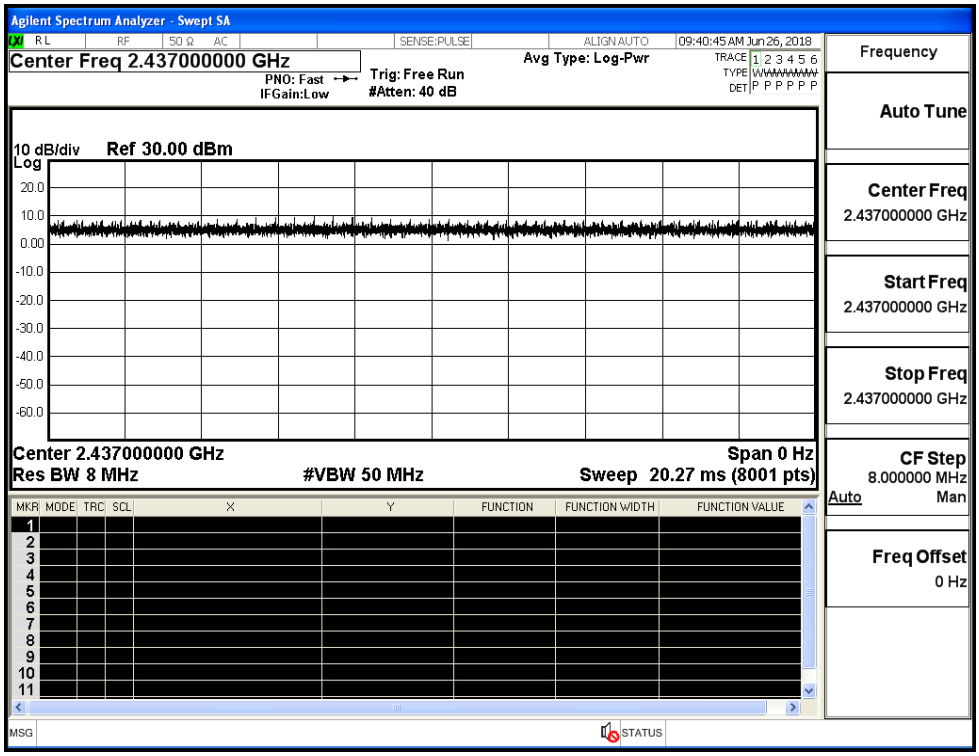
A.1 Duty Cycle

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

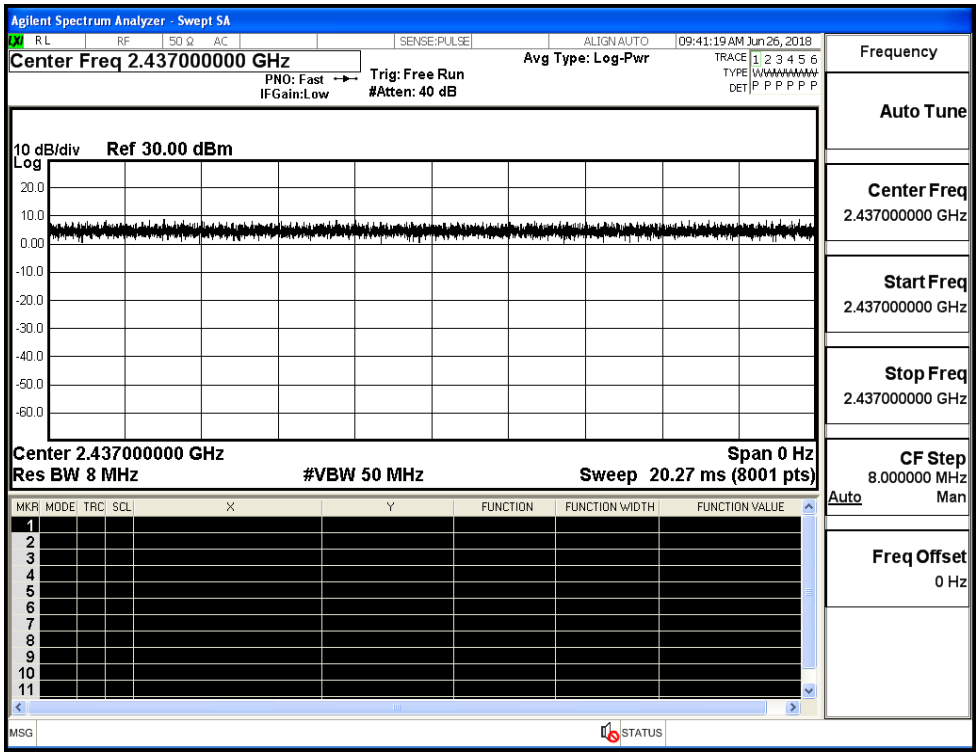
Duty Cycle_11B_2437_Ant1



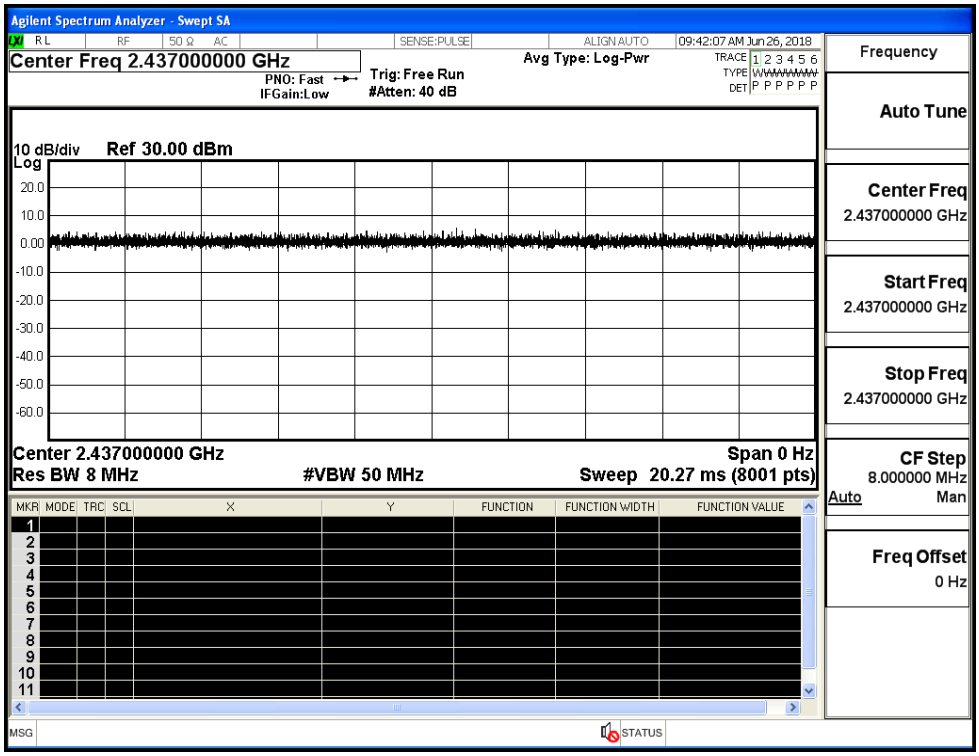
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1

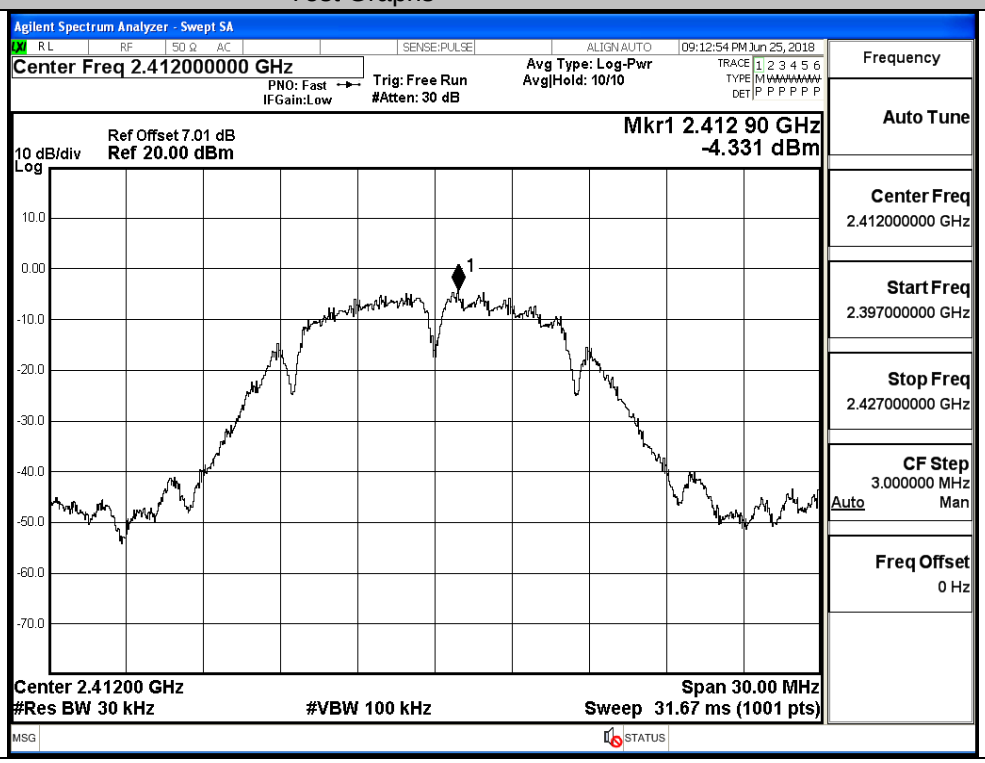


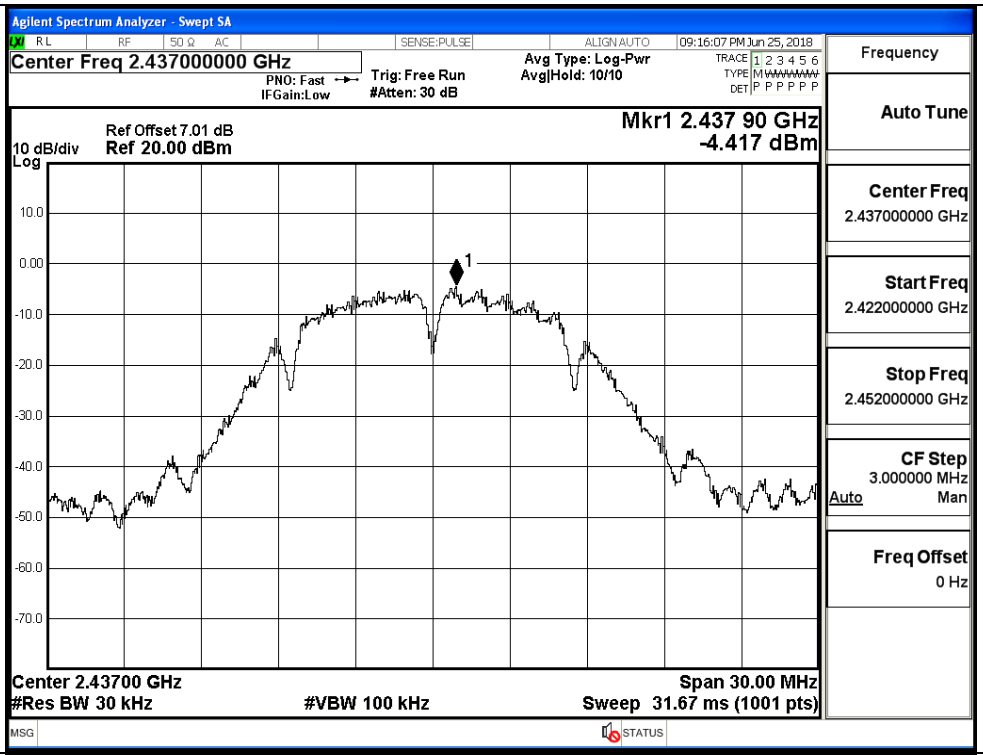
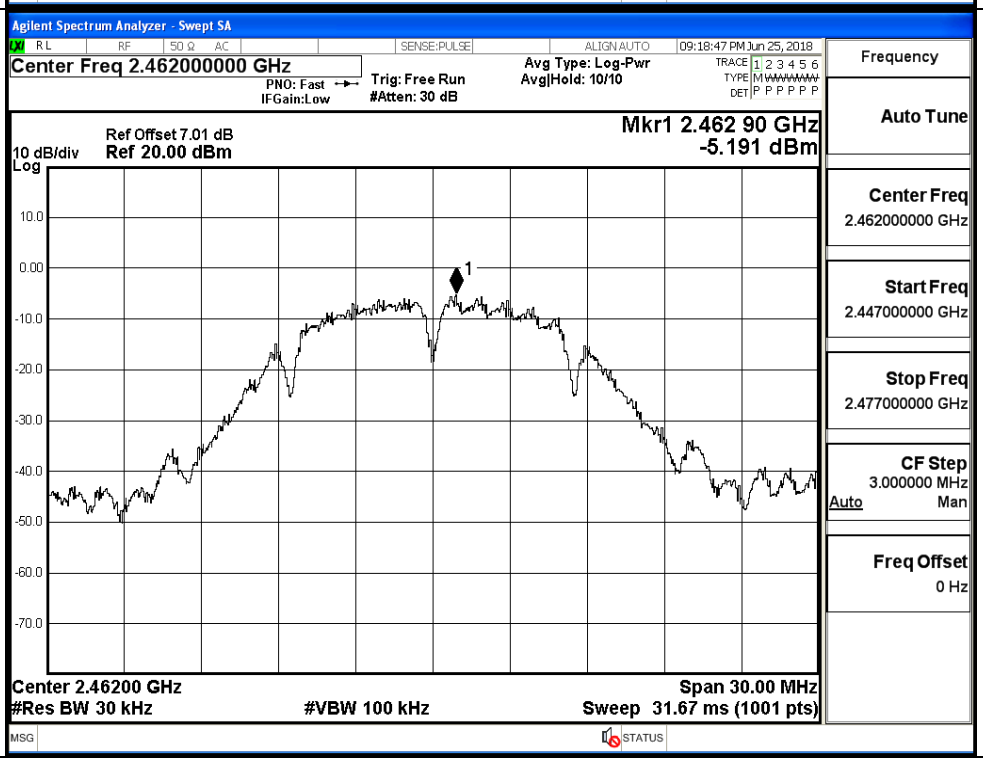
Duty Cycle_11N40SISO_2437_Ant1

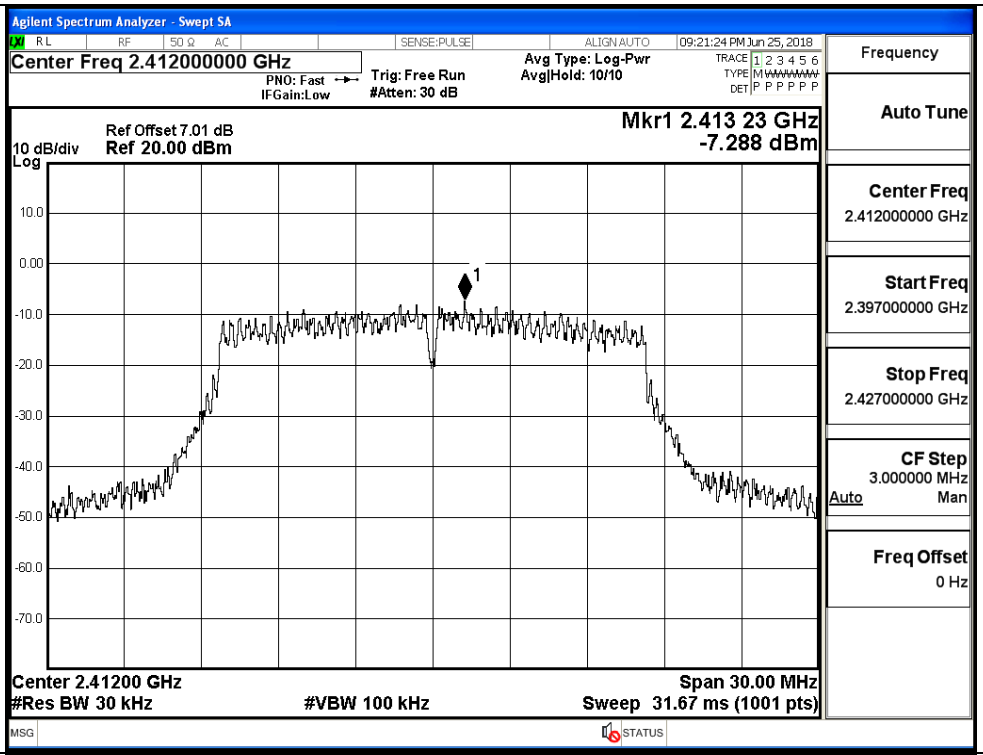
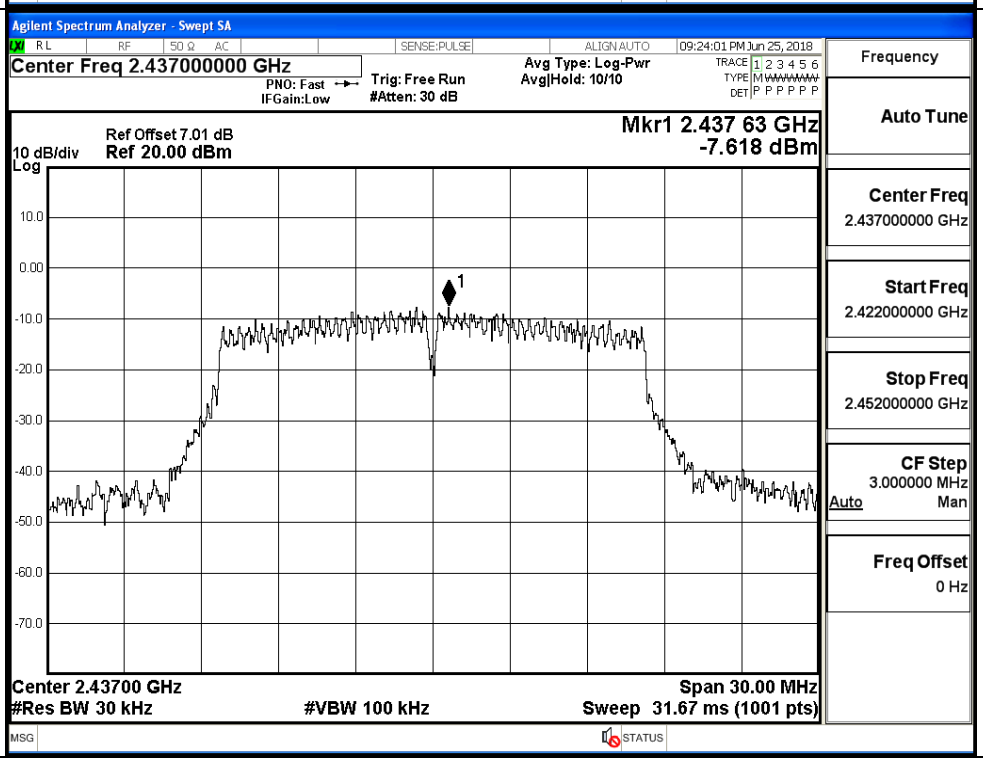


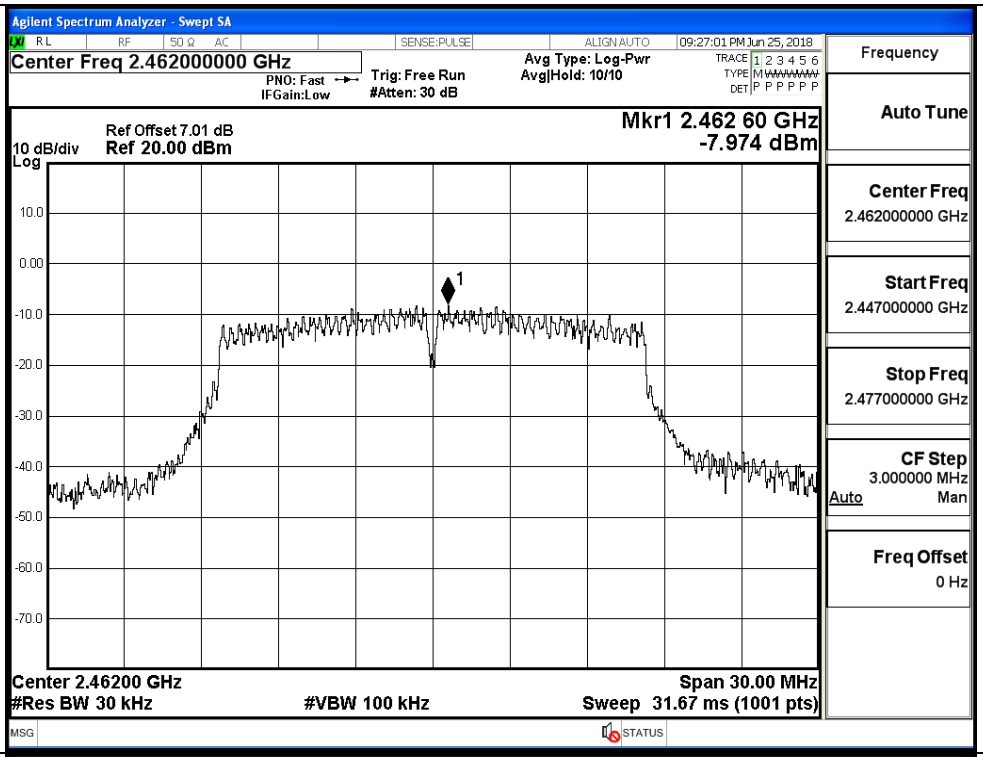
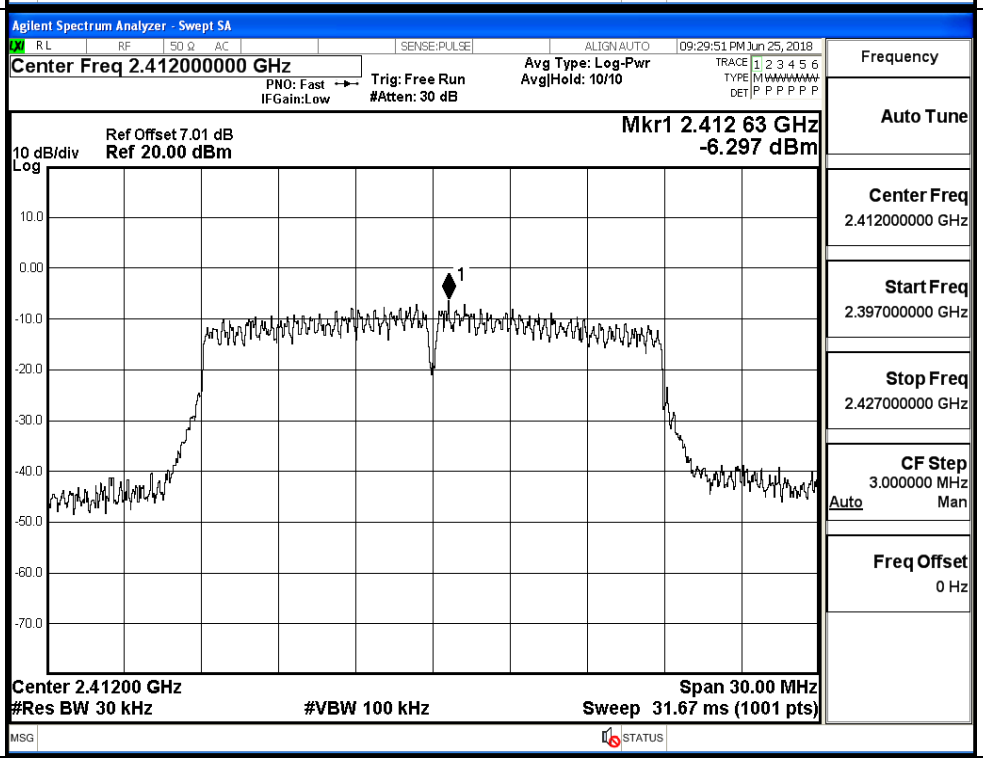
A.2 Maximum Power Spectral Density

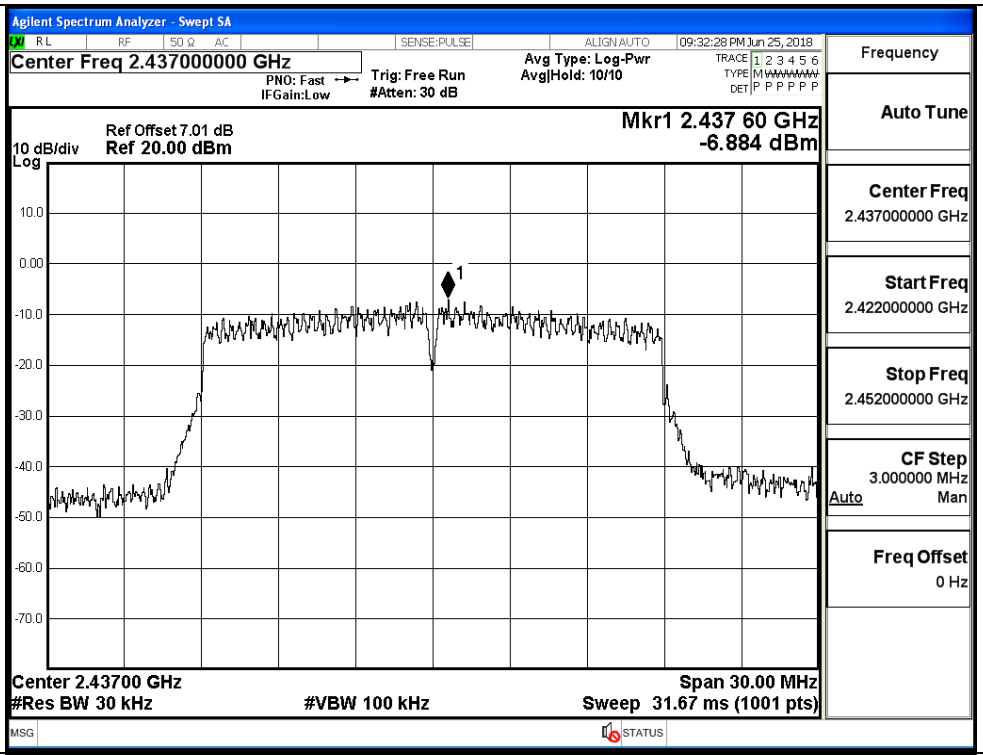
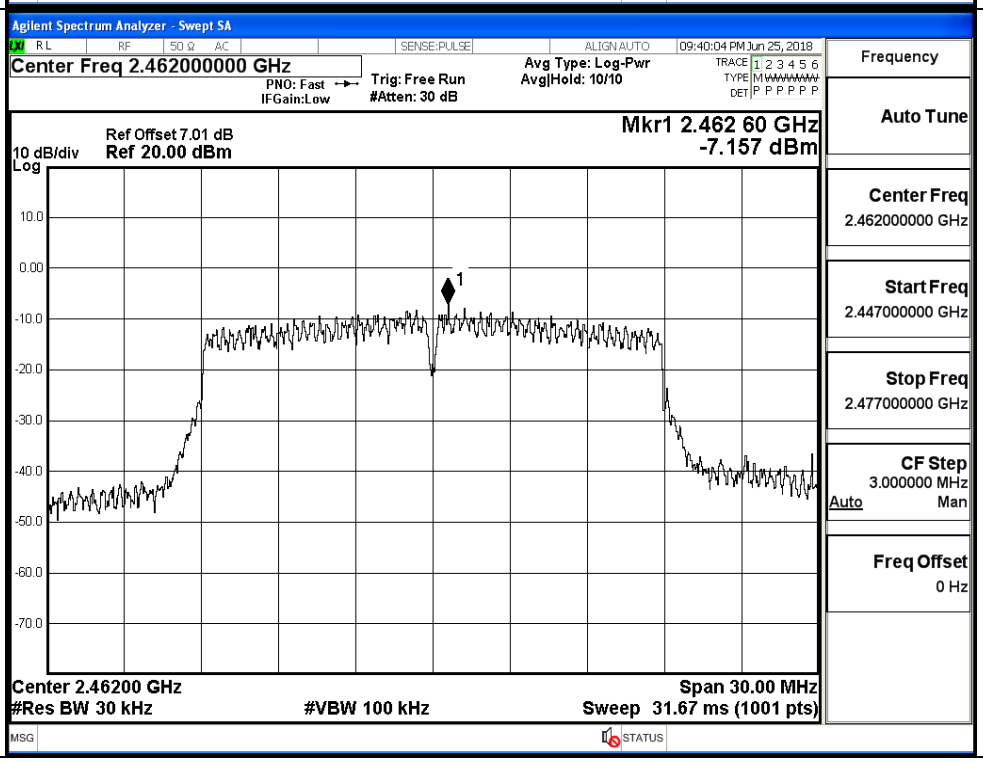
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-4.331	8	PASS
	MCH	-4.417	8	PASS
	HCH	-5.191	8	PASS
11G	LCH	-7.288	8	PASS
	MCH	-7.618	8	PASS
	HCH	-7.974	8	PASS
11N20SISO	LCH	-6.297	8	PASS
	MCH	-6.884	8	PASS
	HCH	-7.157	8	PASS
11N40SISO	LCH	-11.033	8	PASS
	MCH	-11.386	8	PASS
	HCH	-11.706	8	PASS

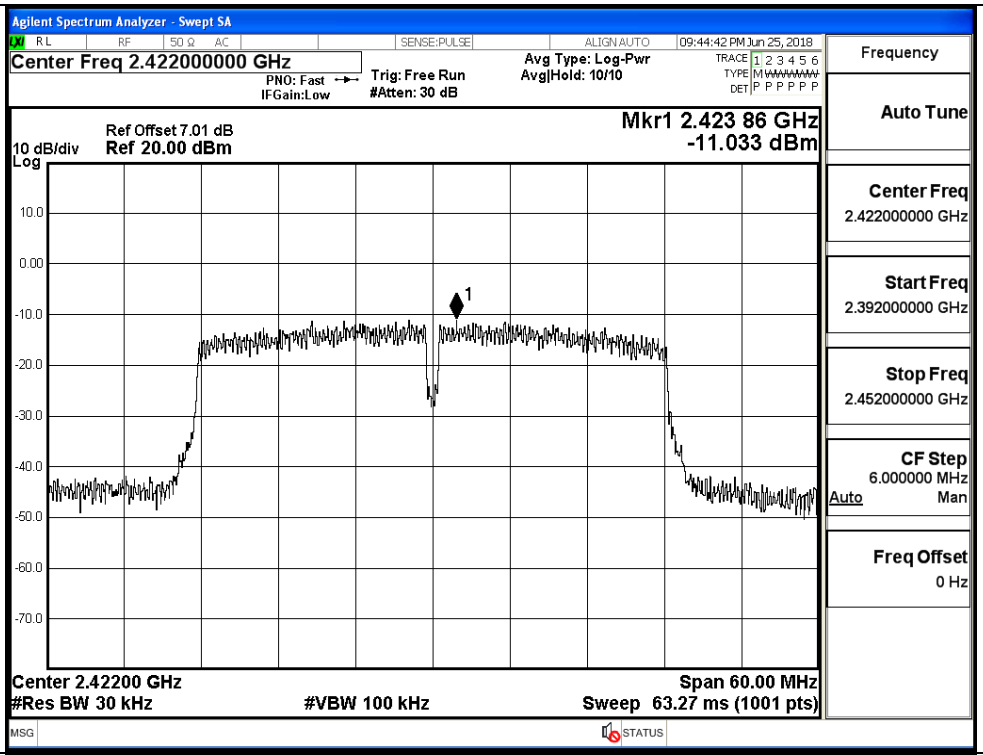
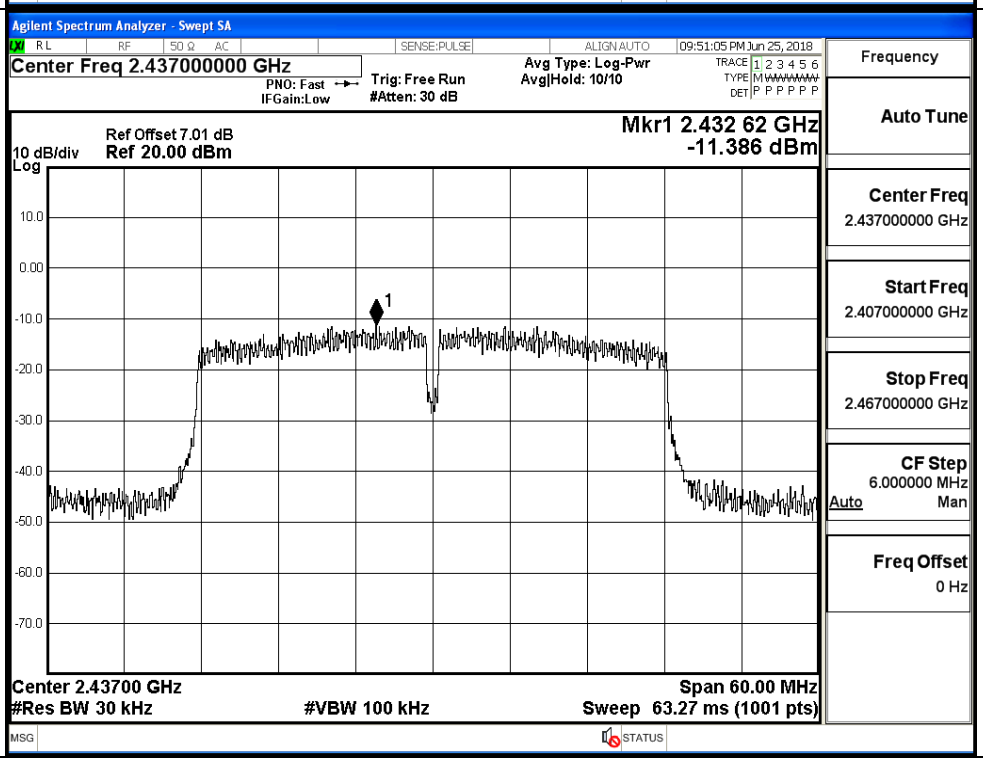
Test Graphs	
11B/LCH	

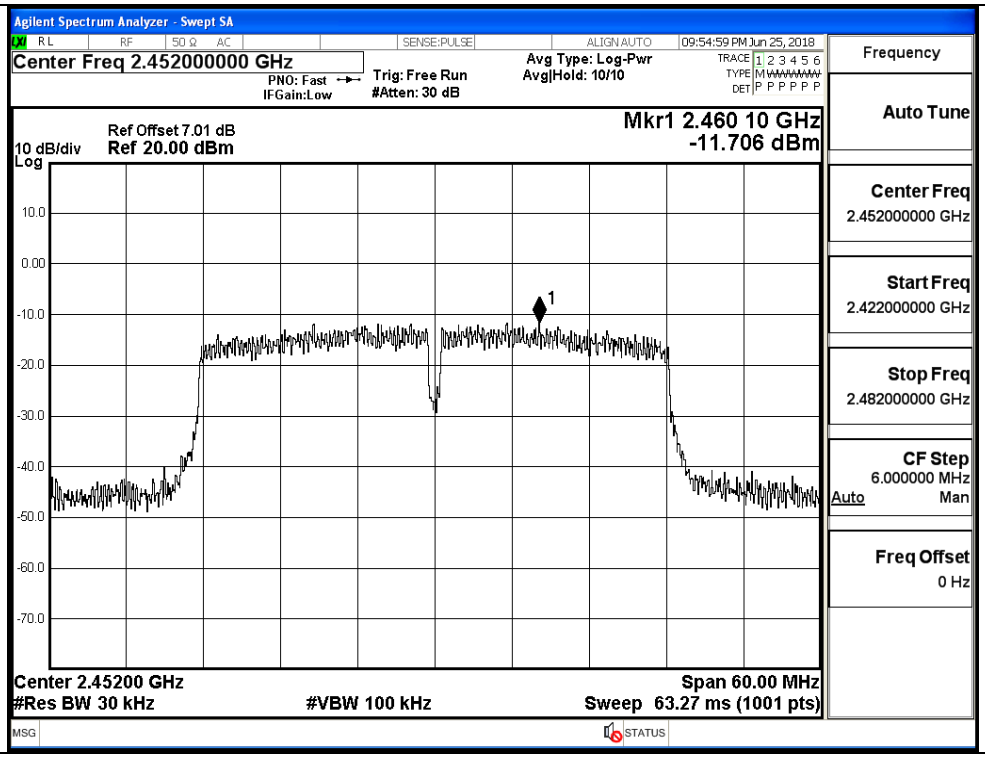
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

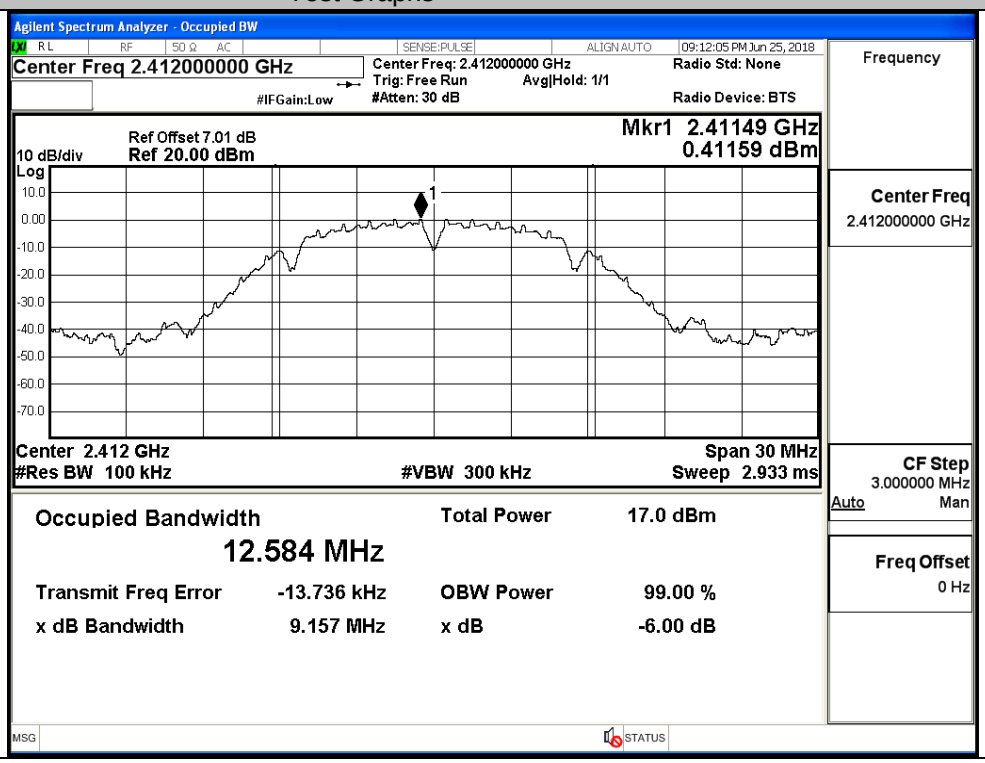
11N20SISO/MCH		
11N20SISO/HCH		

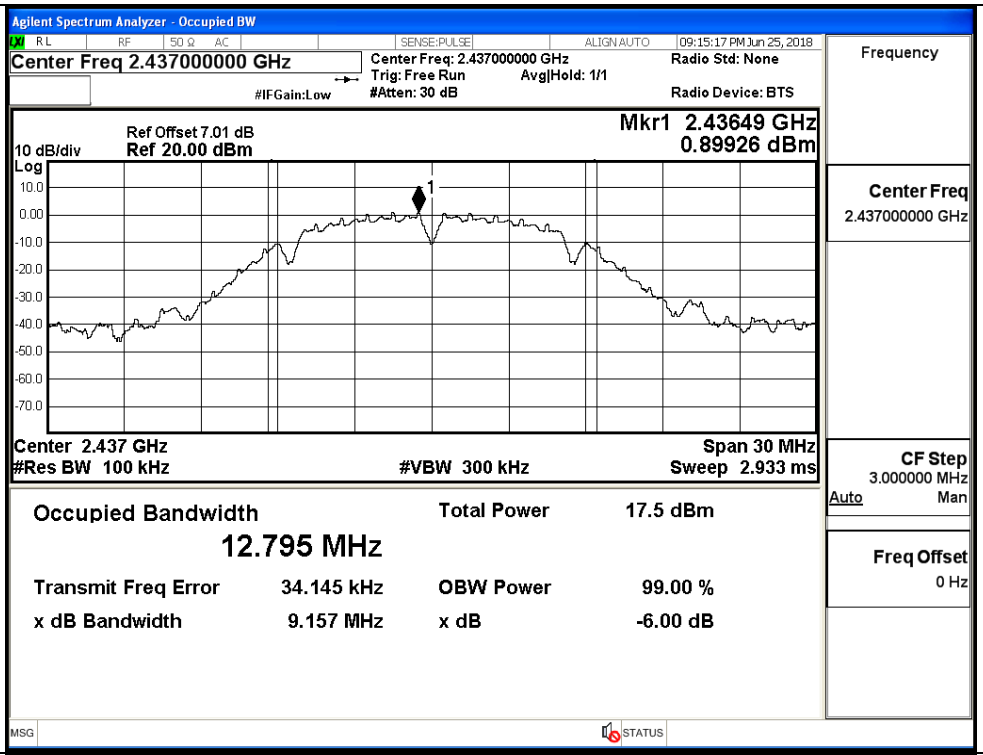
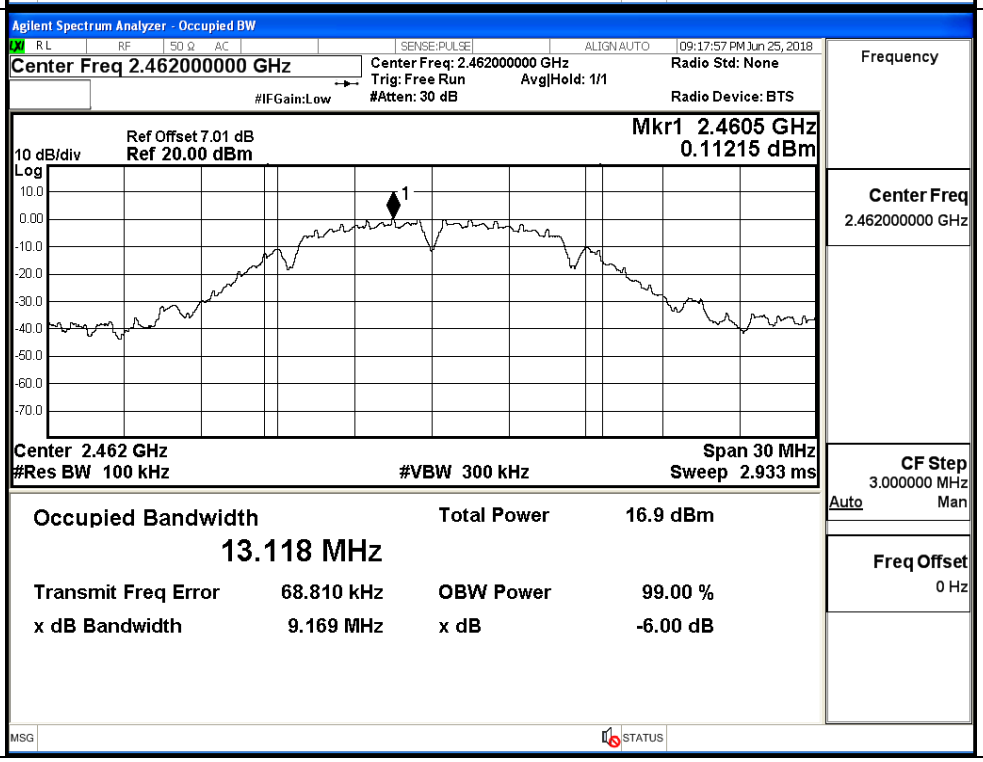
11N40SISO/LCH		
11N40SISO/MCH		

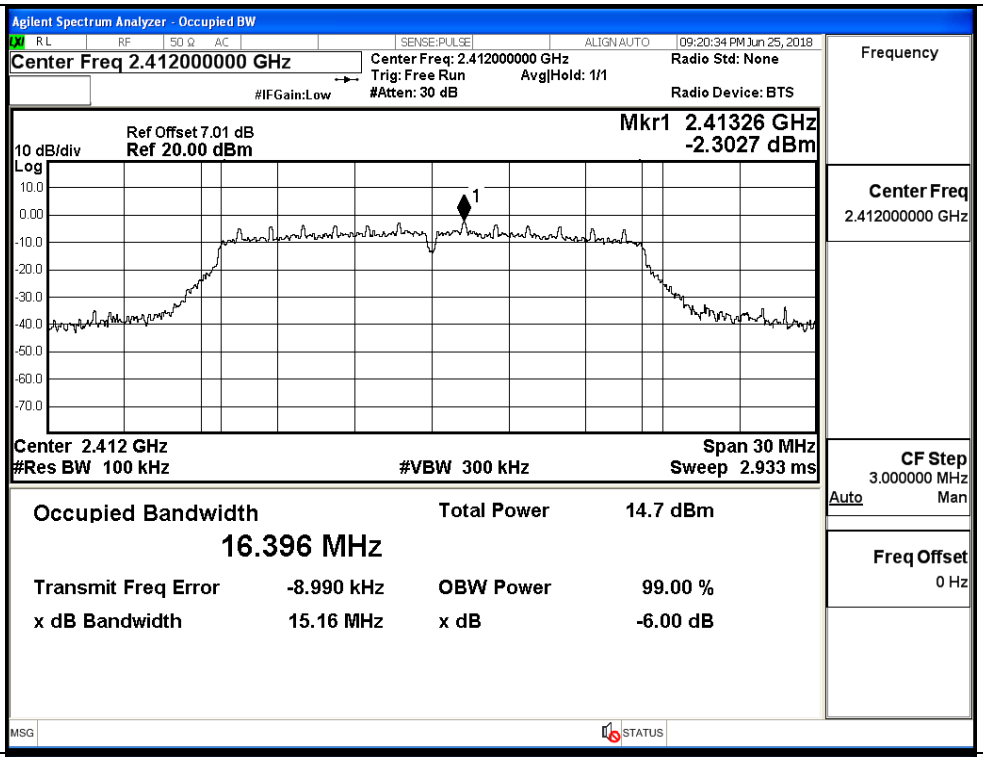
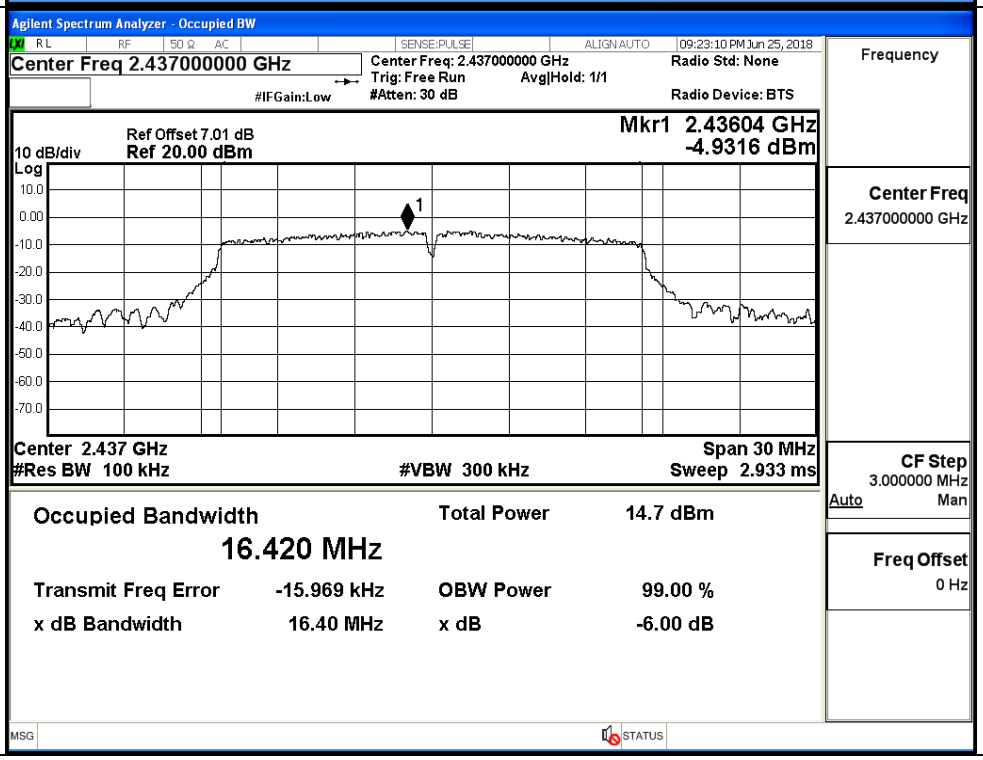
11N40SISO/HCH		

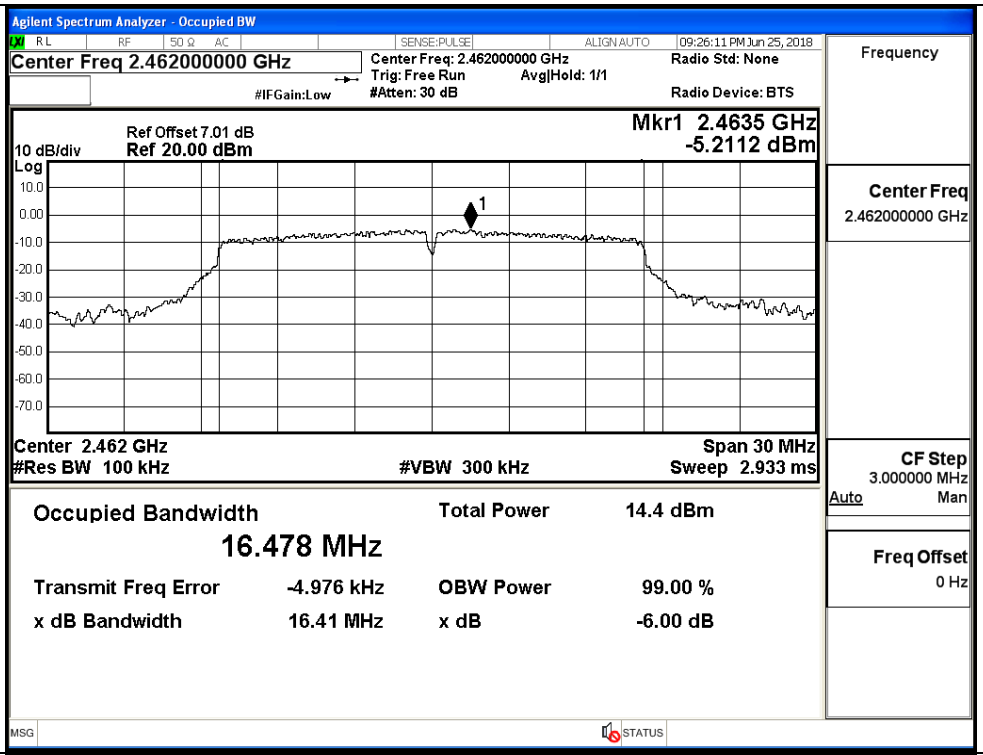
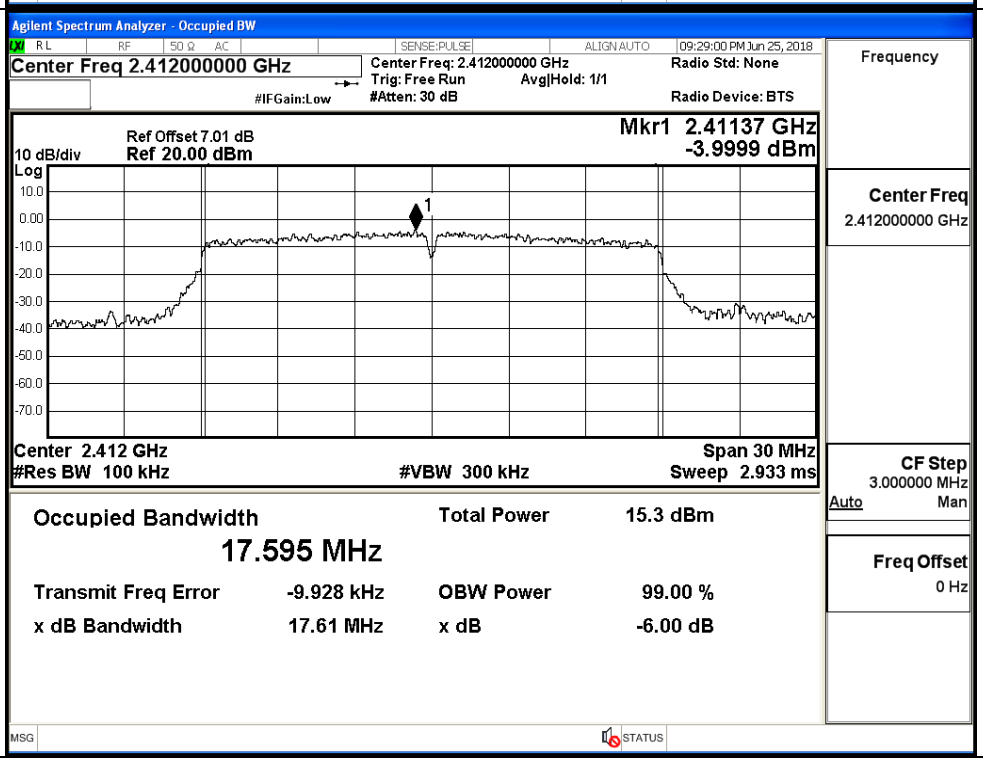
A.3 6dB Bandwidth

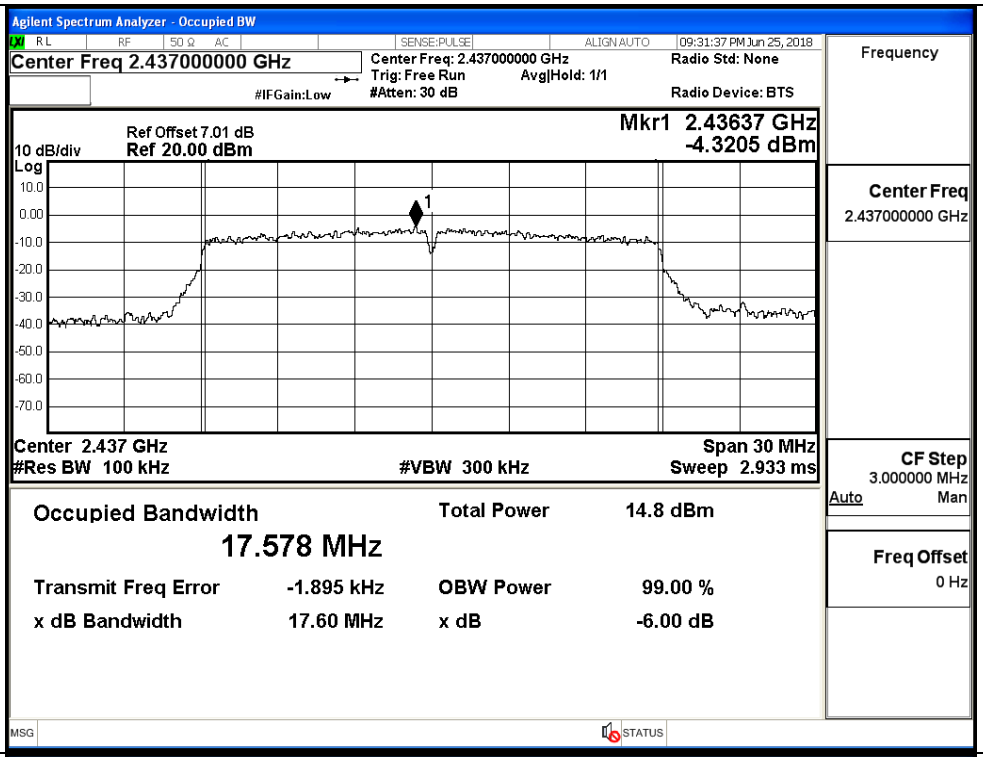
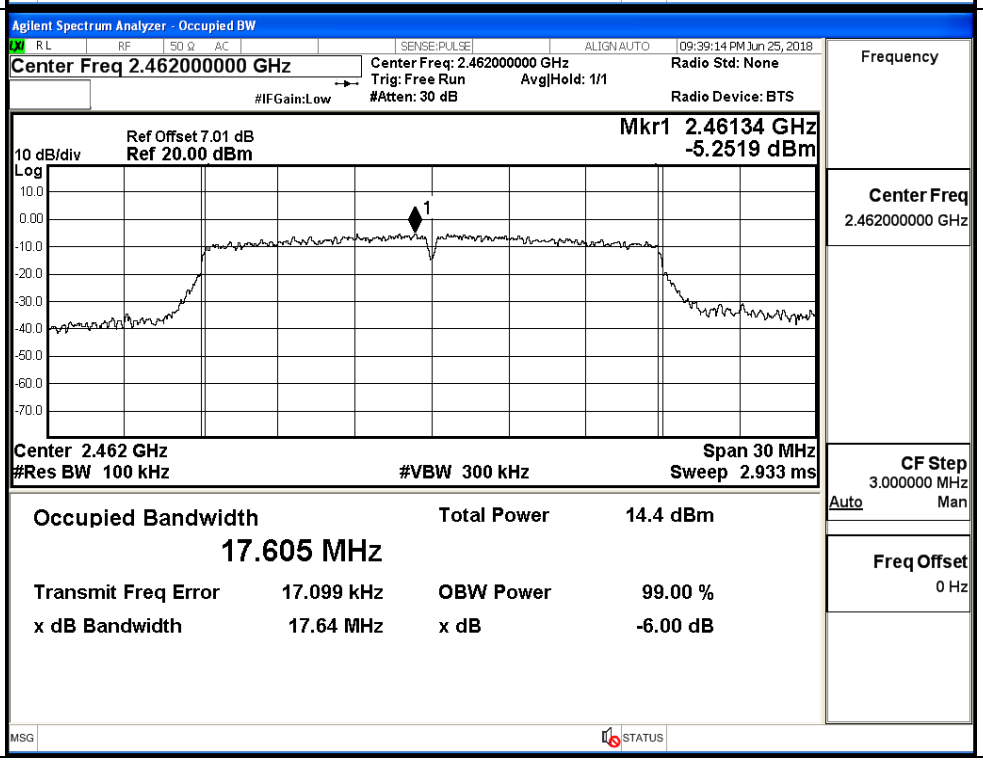
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.157	≥0.5	PASS
	MCH	9.157	≥0.5	PASS
	HCH	9.169	≥0.5	PASS
11G	LCH	15.16	≥0.5	PASS
	MCH	16.40	≥0.5	PASS
	HCH	16.41	≥0.5	PASS
11N20SISO	LCH	17.61	≥0.5	PASS
	MCH	17.60	≥0.5	PASS
	HCH	17.64	≥0.5	PASS
11N40SISO	LCH	36.36	≥0.5	PASS
	MCH	36.34	≥0.5	PASS
	HCH	36.39	≥0.5	PASS

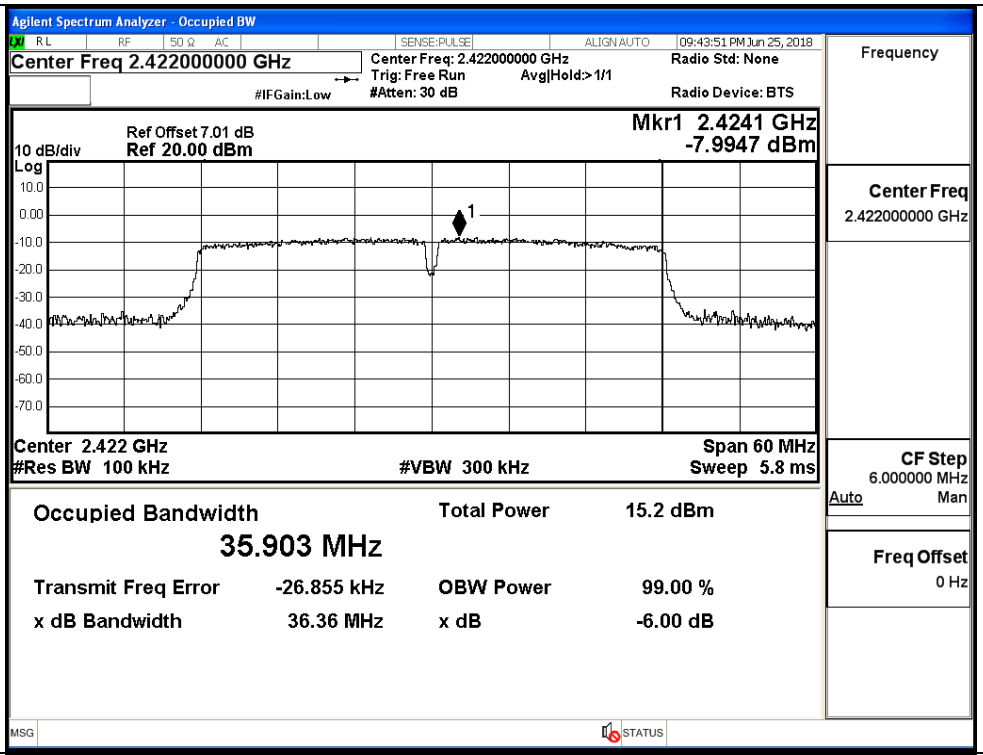
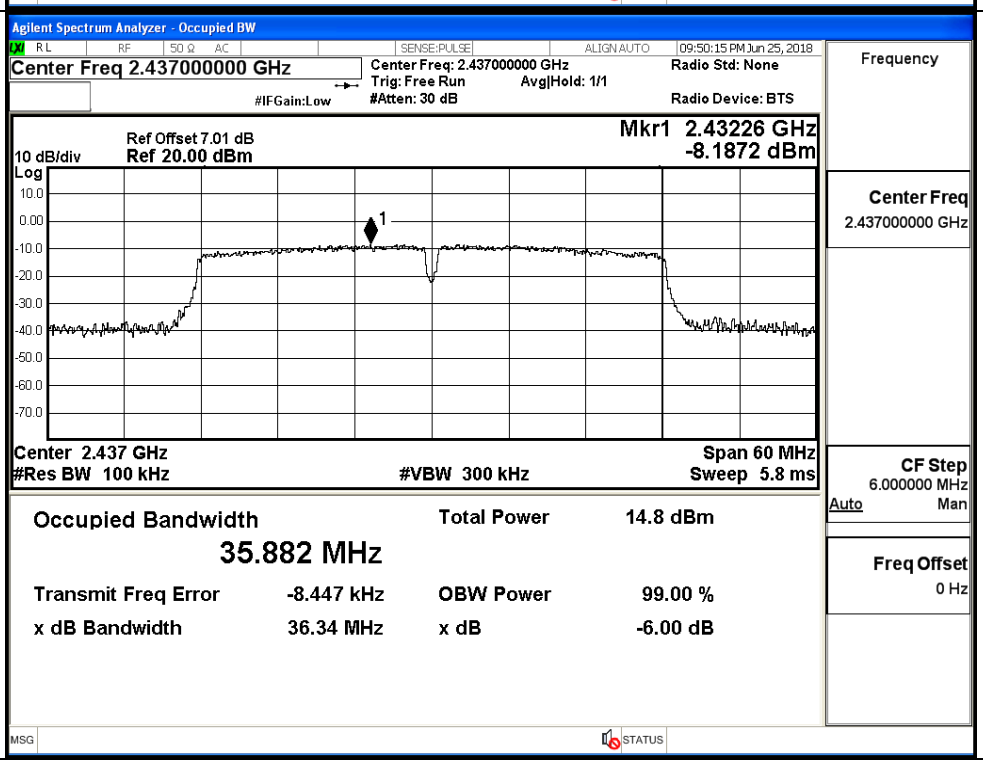
Test Graphs	
11B/LCH	

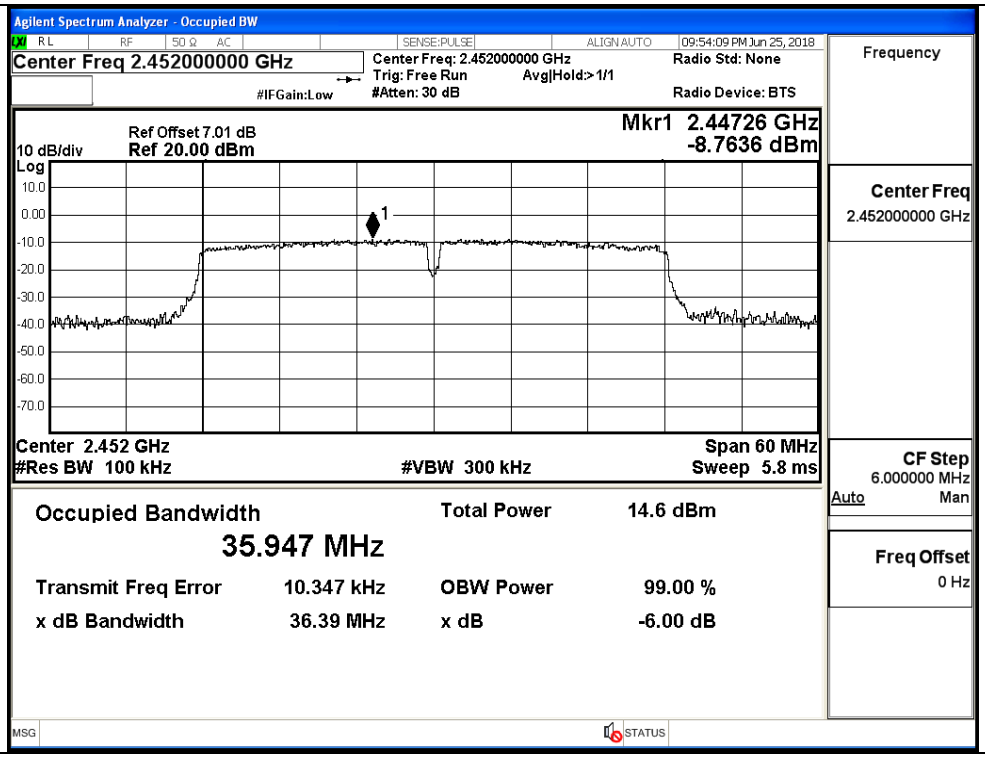
11B/MCH	
11B/HCH	

11G/LCH	
11G/MCH	

11G/HCH	
11N20SISO/LCH	

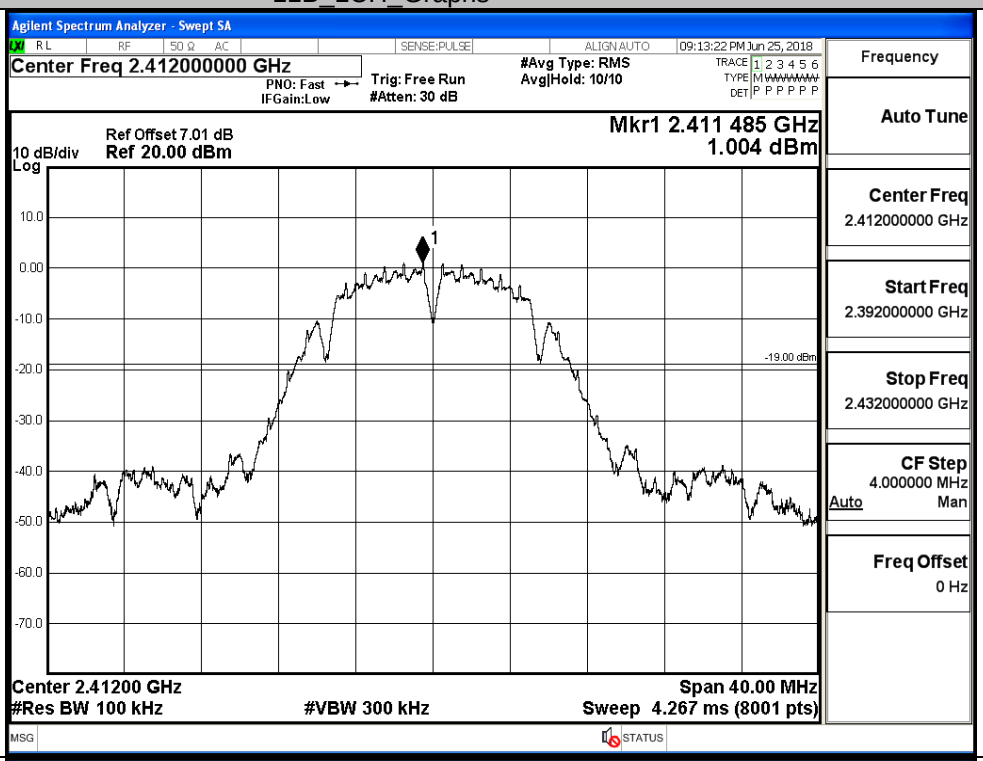
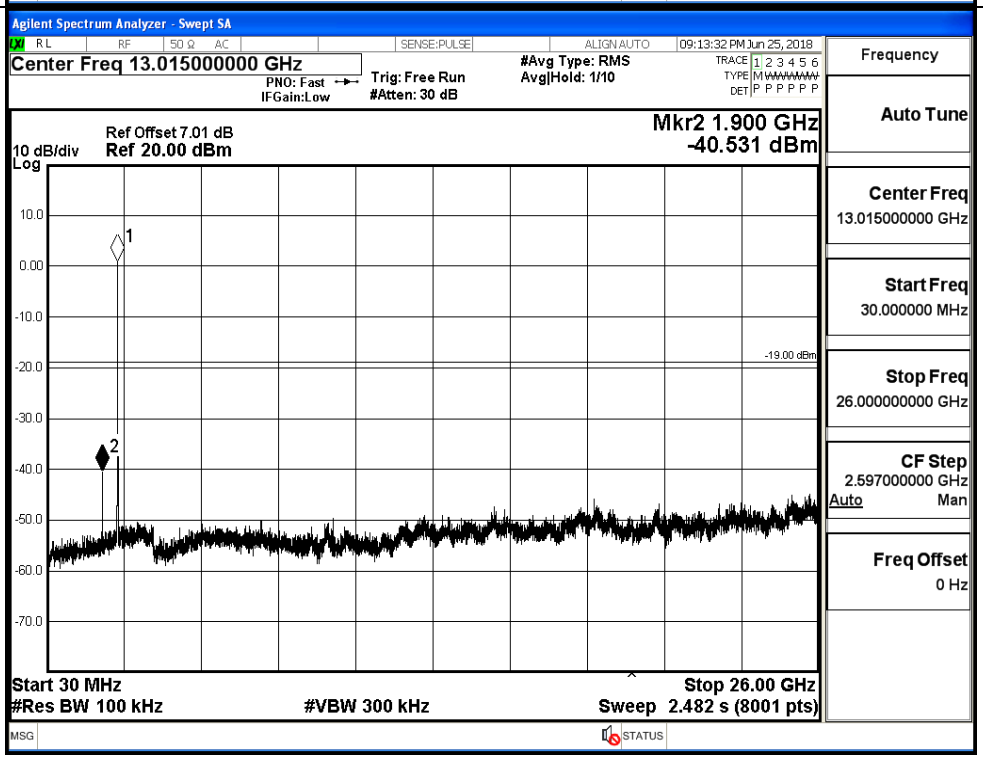
11N20SISO/MCH	
11N20SISO/HCH	

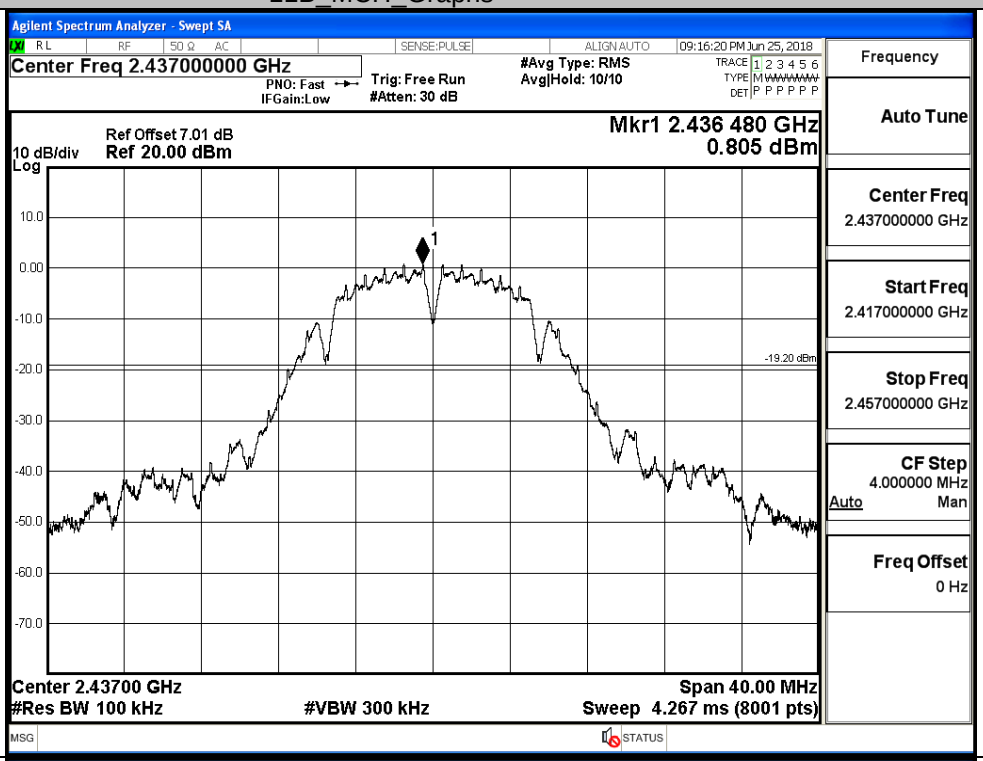
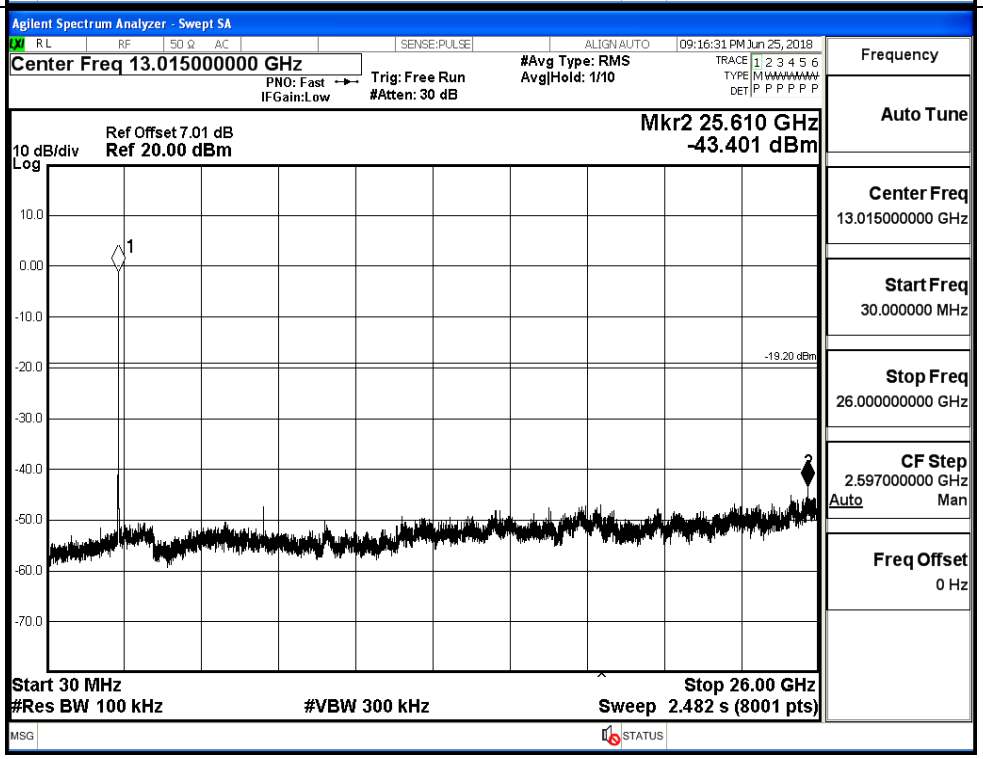
11N40SISO/LCH		
11N40SISO/MCH		

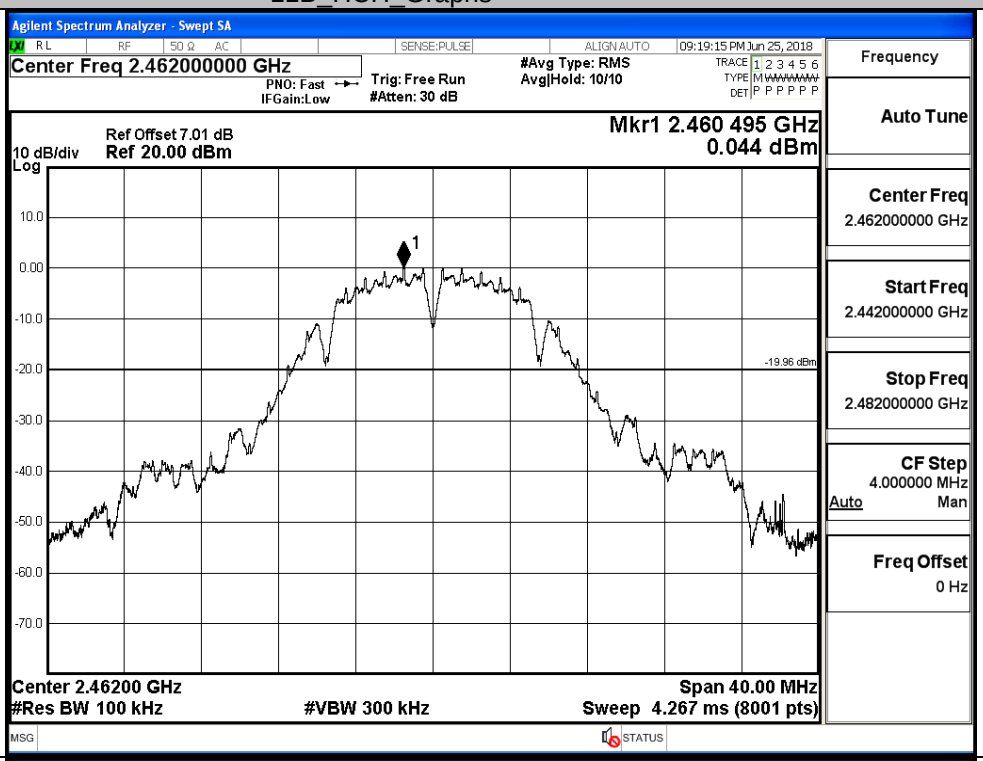
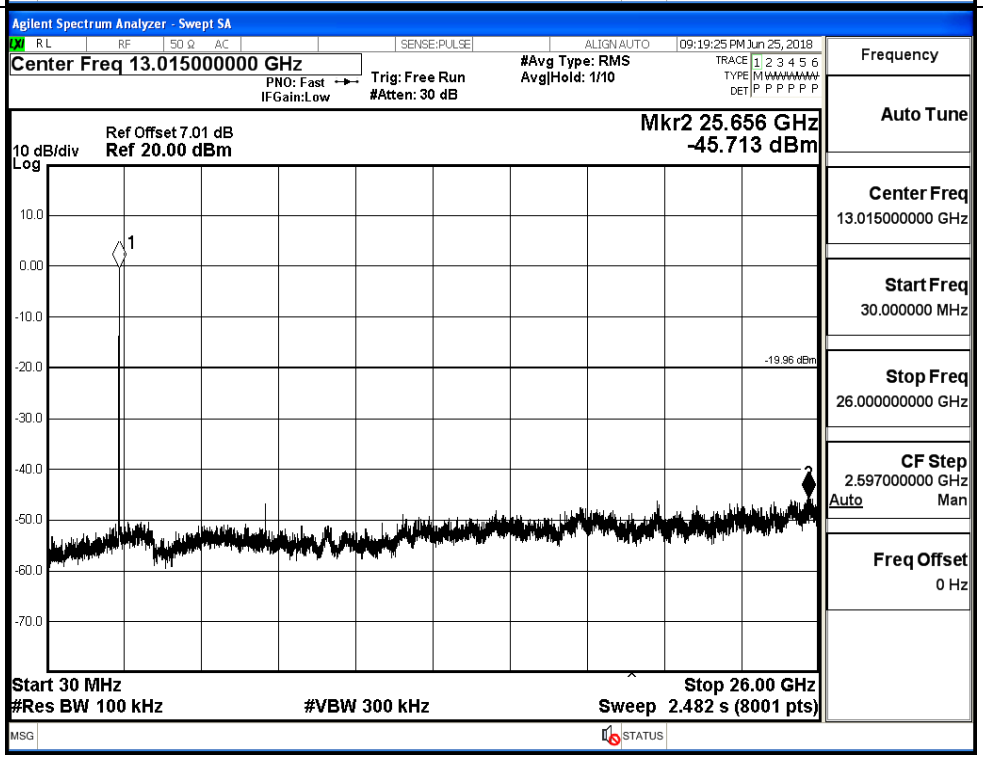
11N40SISO/HCH		

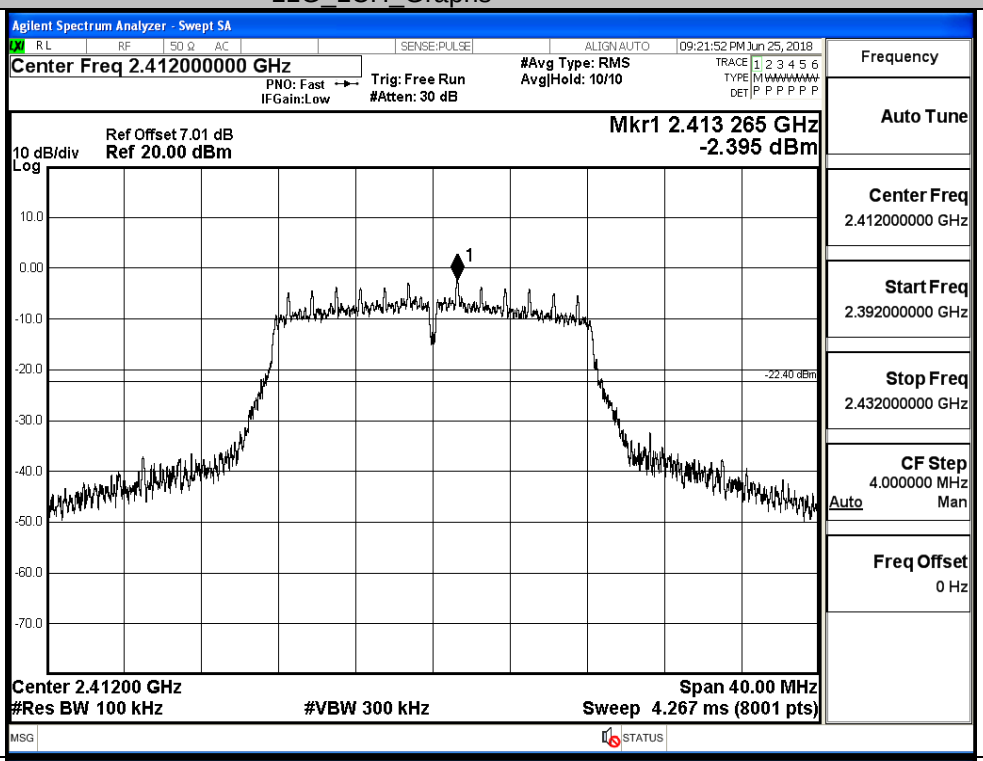
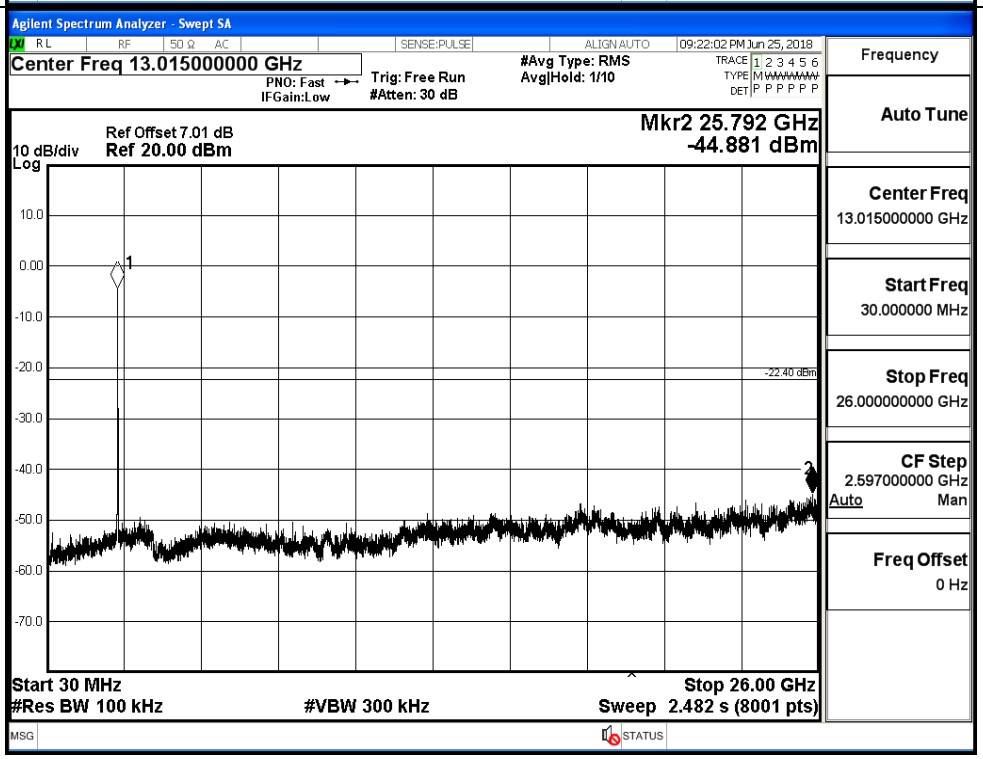
A.4 RF Conducted Spurious Emissions

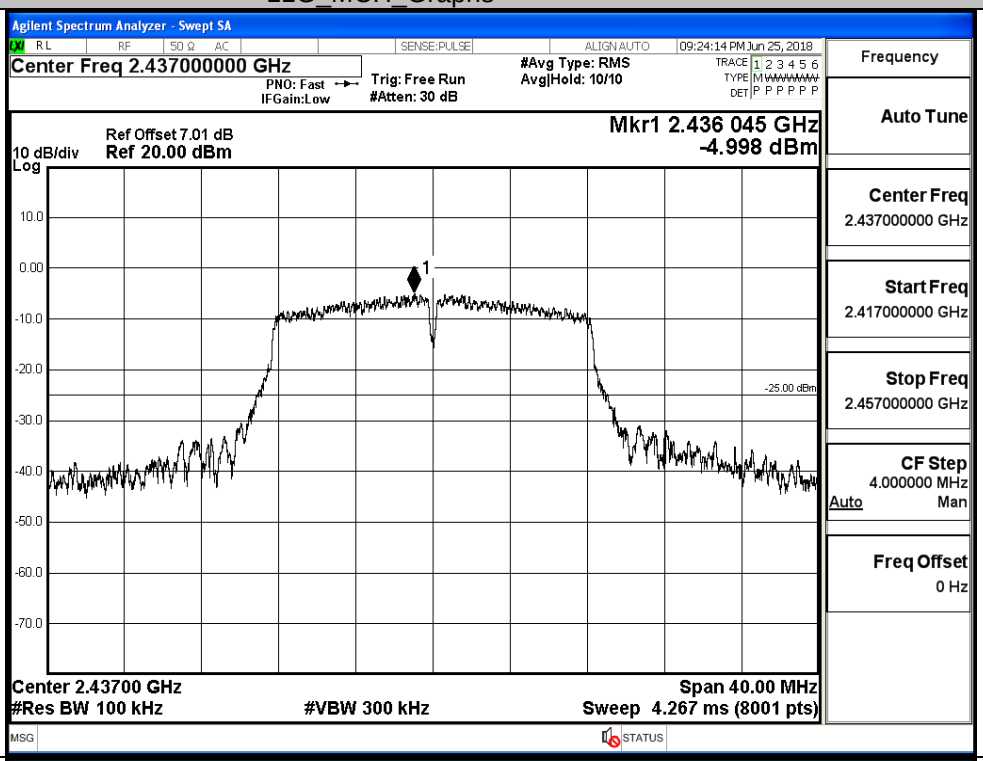
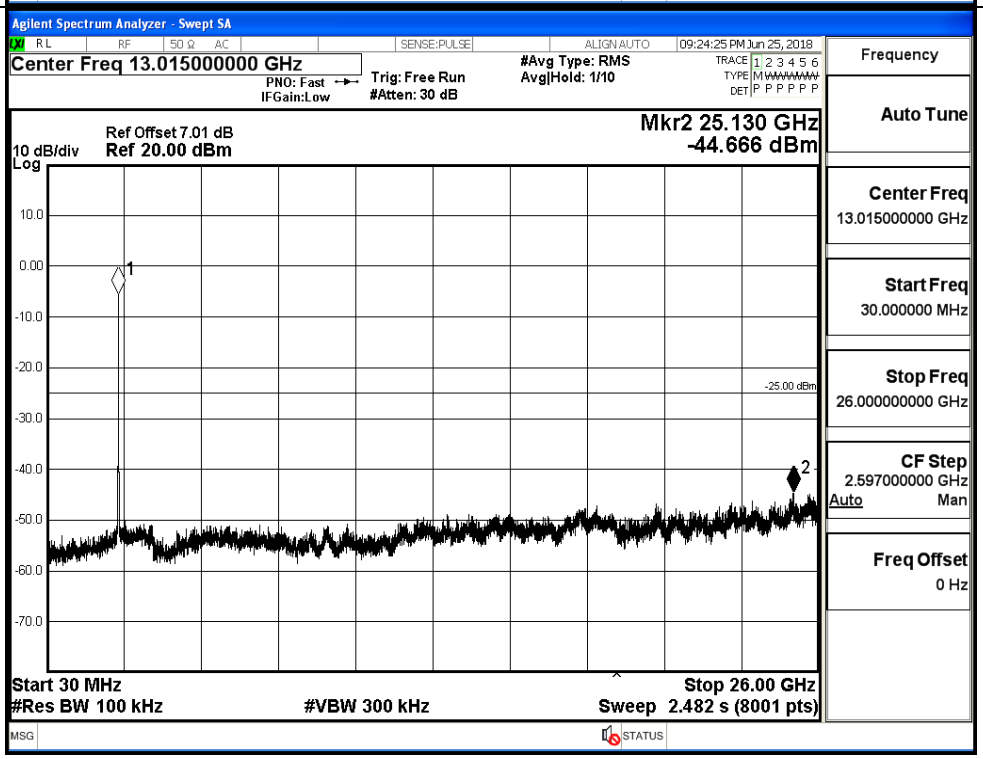
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	1.004	-40.531	-18.996	PASS
	MCH	0.805	-43.401	-19.195	PASS
	HCH	0.044	-45.713	-19.956	PASS
11G	LCH	-2.395	-44.881	-22.395	PASS
	MCH	-4.998	-44.666	-24.998	PASS
	HCH	-5.369	-45.130	-25.369	PASS
11N20 SISO	LCH	-4.083	-45.181	-24.083	PASS
	MCH	-4.4	-44.351	-24.400	PASS
	HCH	-5.196	-44.632	-25.196	PASS
11N40 SISO	LCH	-8.475	-45.458	-28.475	PASS
	MCH	-8.302	-45.049	-28.302	PASS
	HCH	-8.81	-45.373	-28.810	PASS

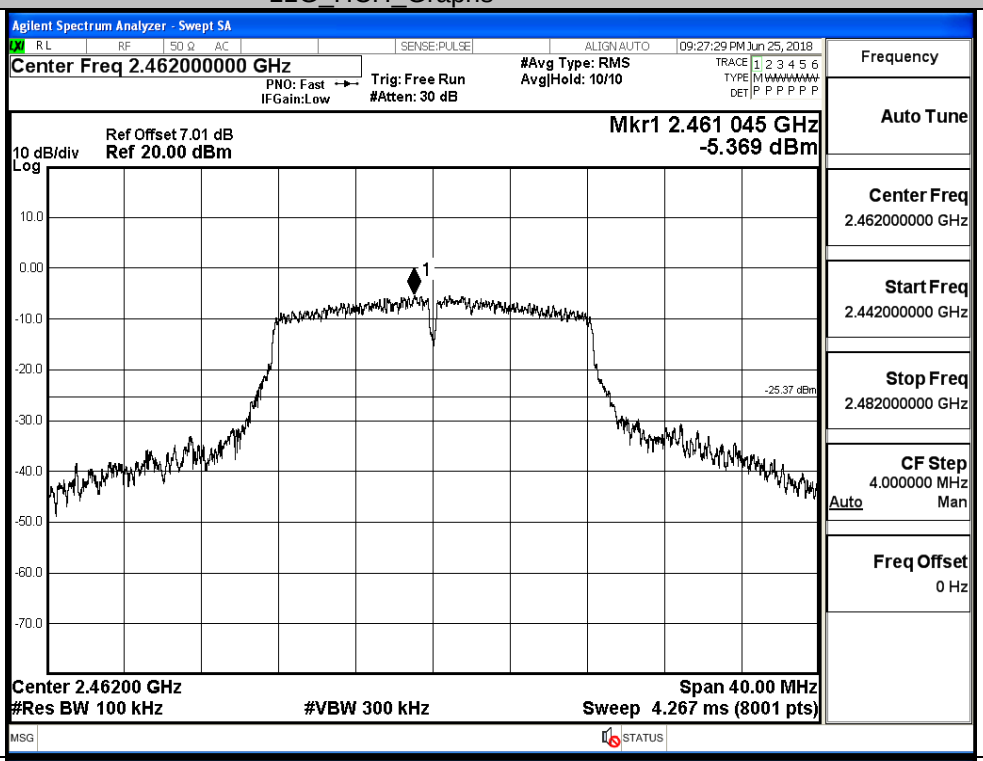
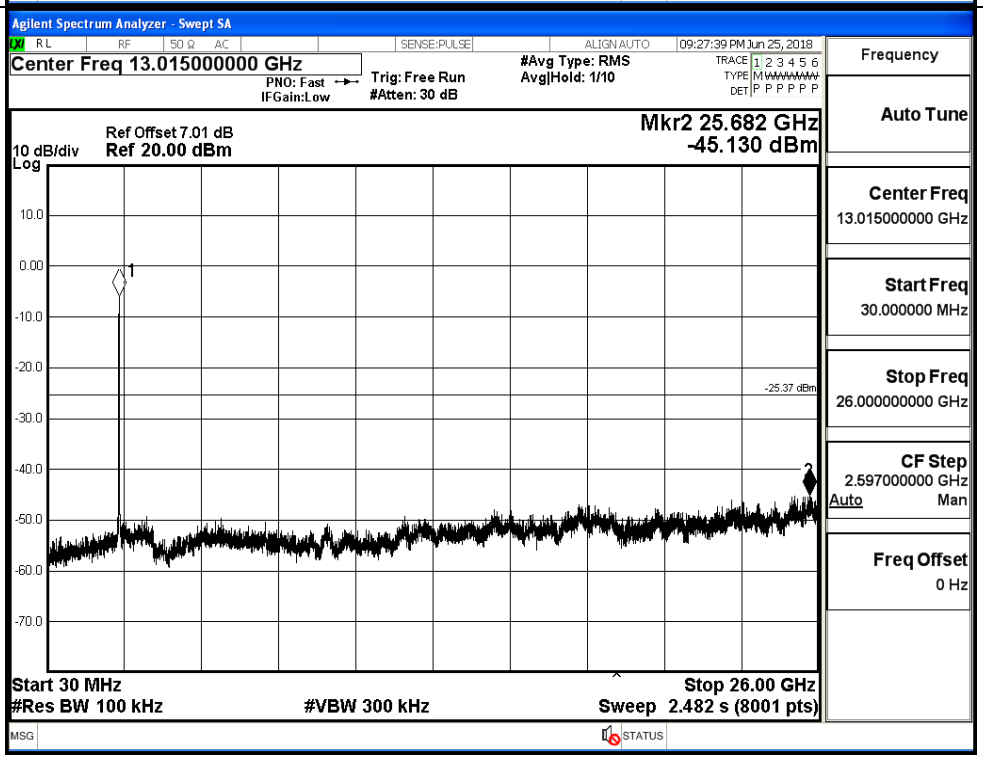
11B_LCH_Graphs		
Pref/11B/LCH		
Puw/11B/LCH		

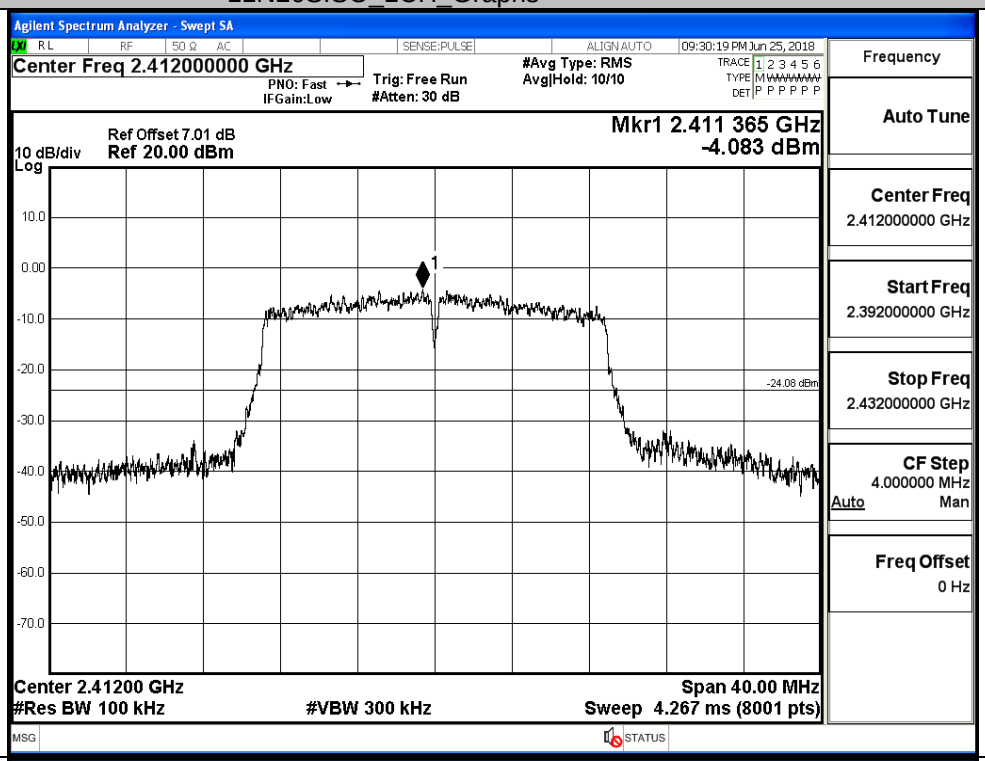
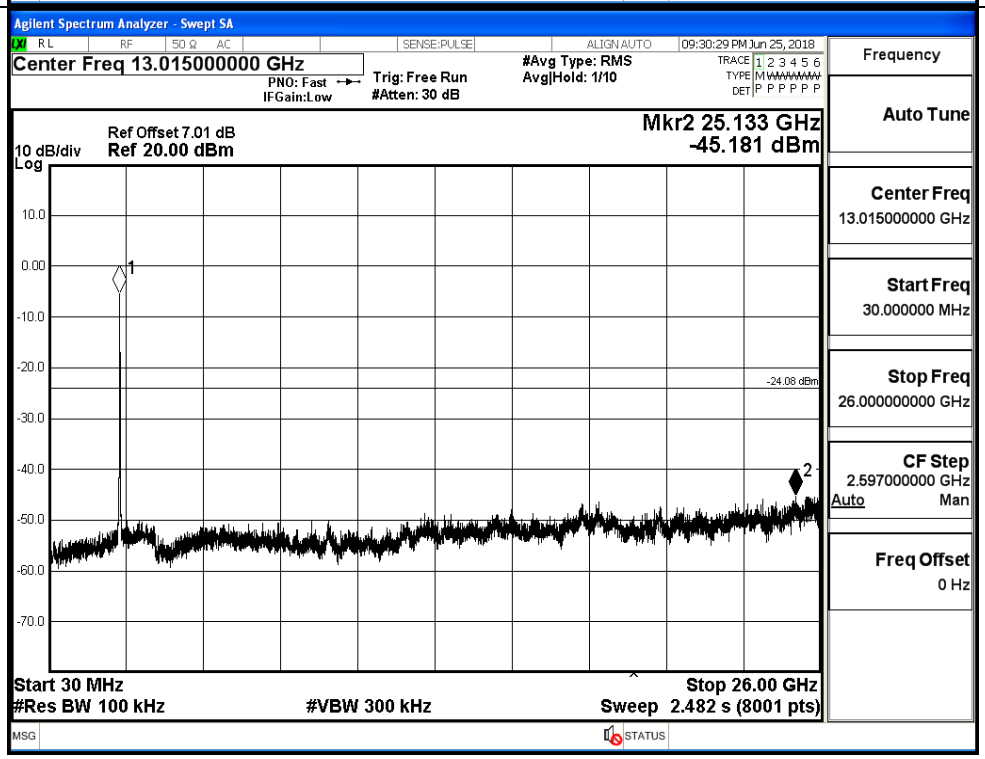
11B_MCH_Graphs		
Pref/11B/MCH		
Puw/11B/MCH		

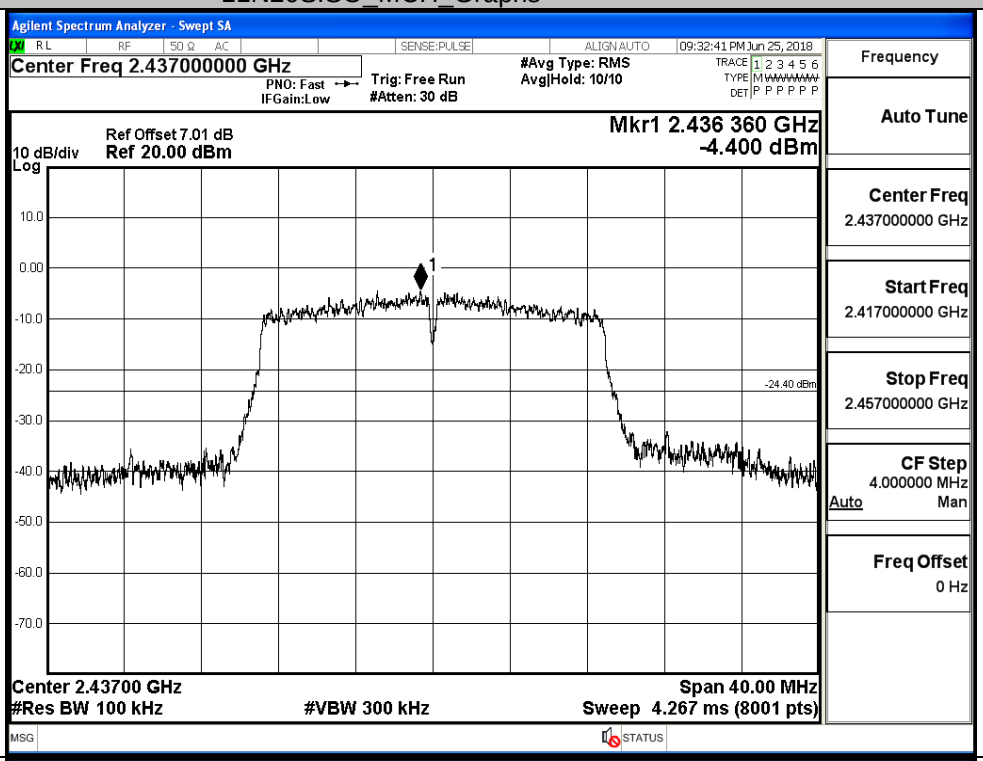
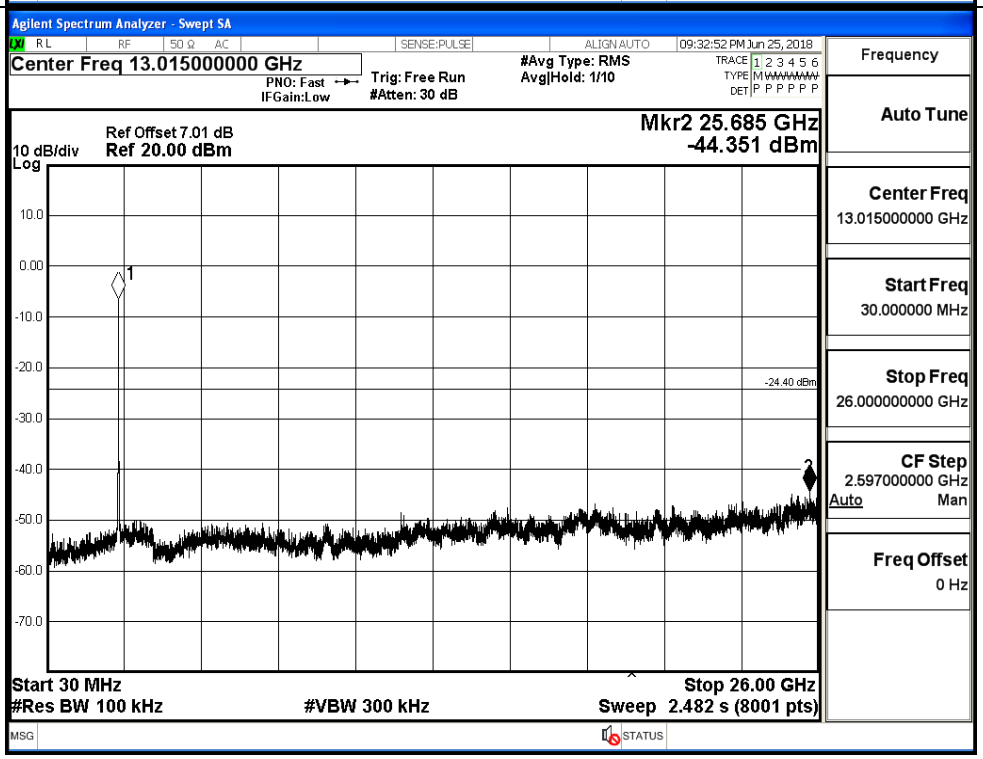
11B_HCH_Graphs		
Pref/11B/HCH		
Puw/11B/HCH		

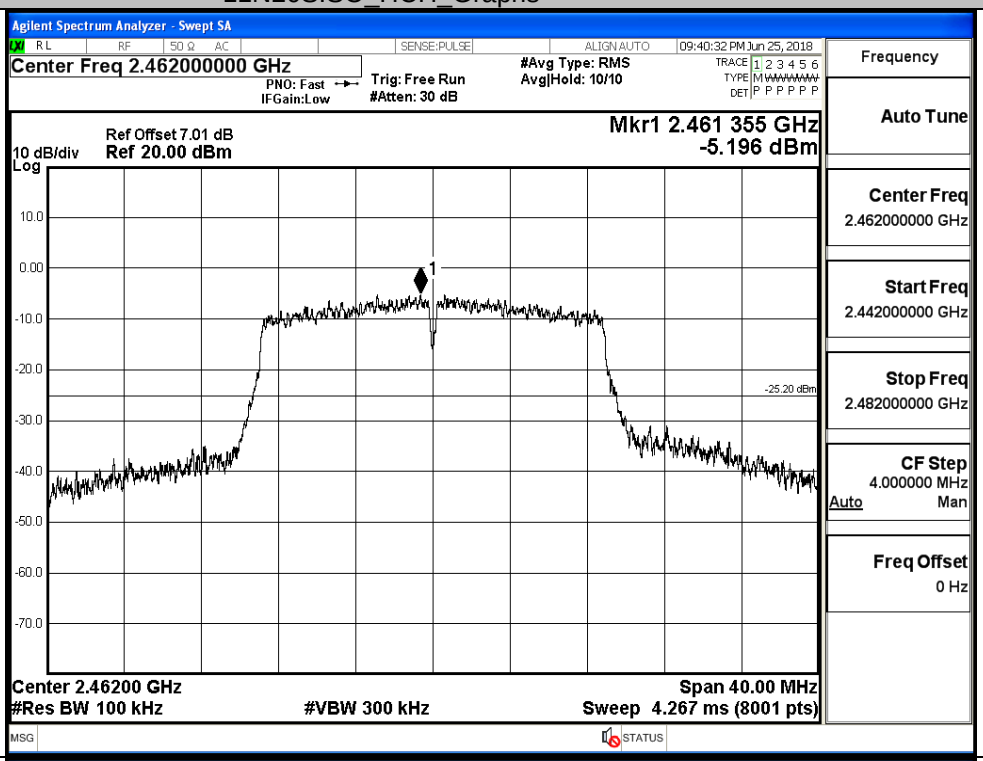
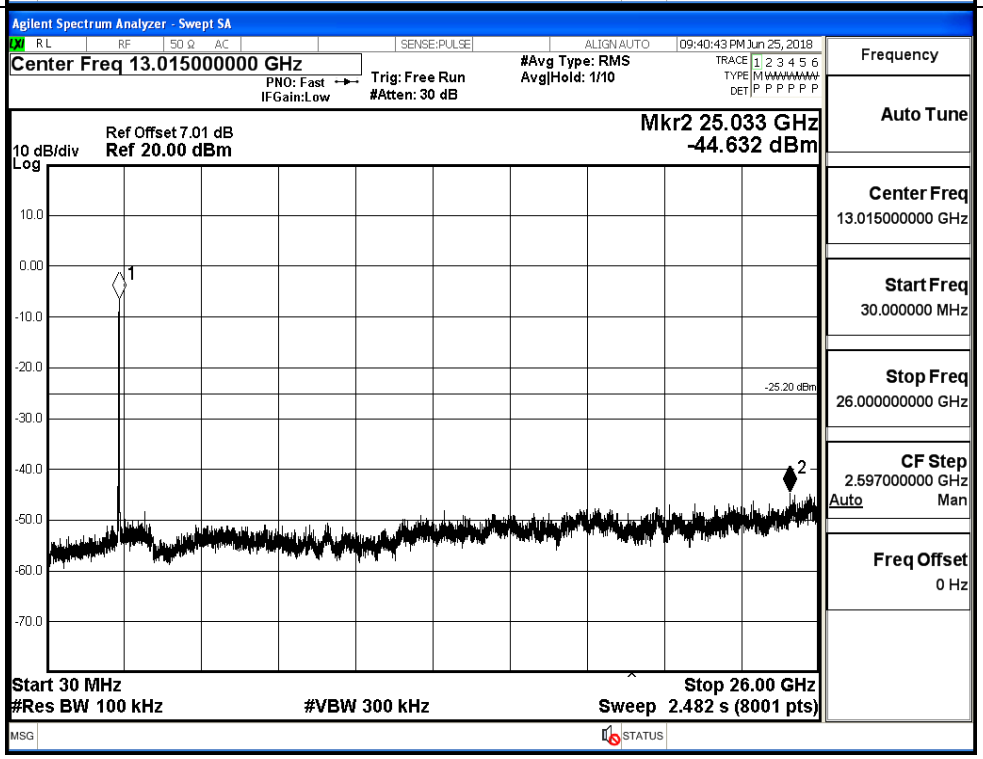
11G_LCH_Graphs		
Pref/11G/LCH		
Puw/11G/LCH		

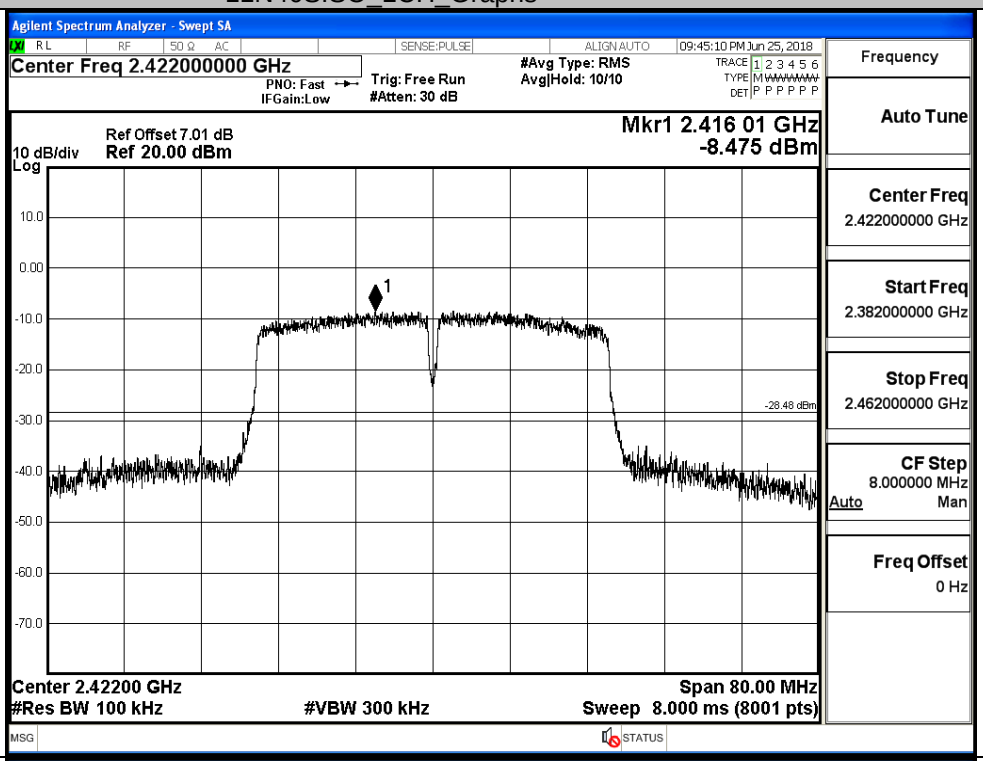
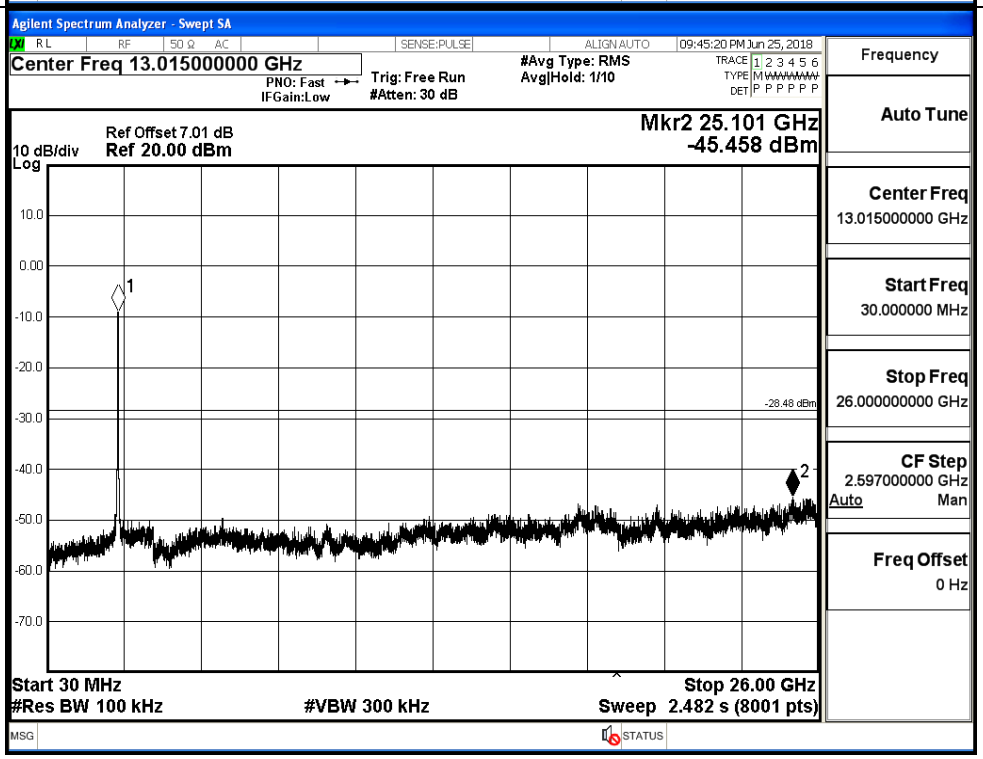
11G_MCH_Graphs		
Pref/11G/MCH		
Puw/11G/MCH		

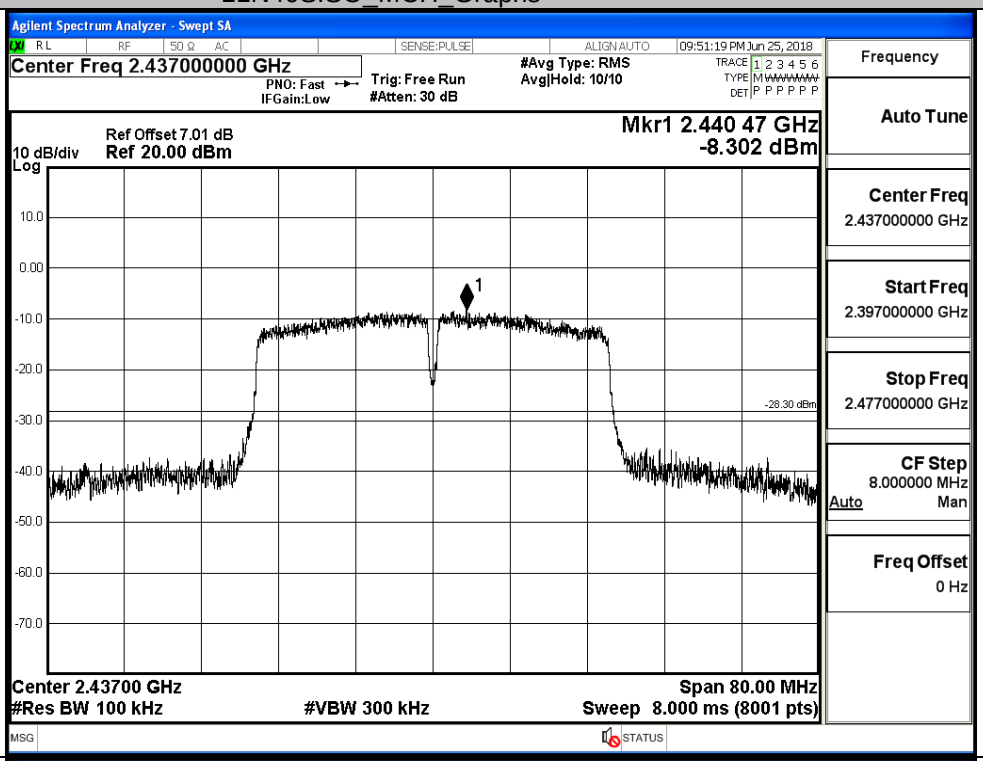
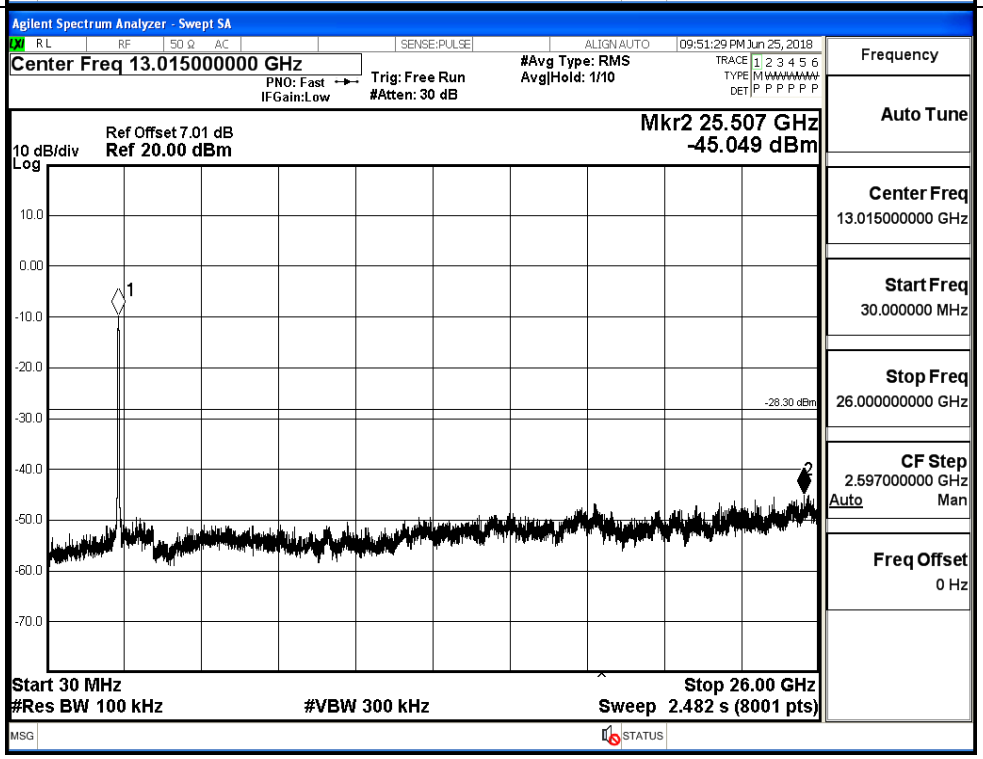
11G_HCH_Graphs		
Pref/11G/HCH		
Puw/11G/HCH		

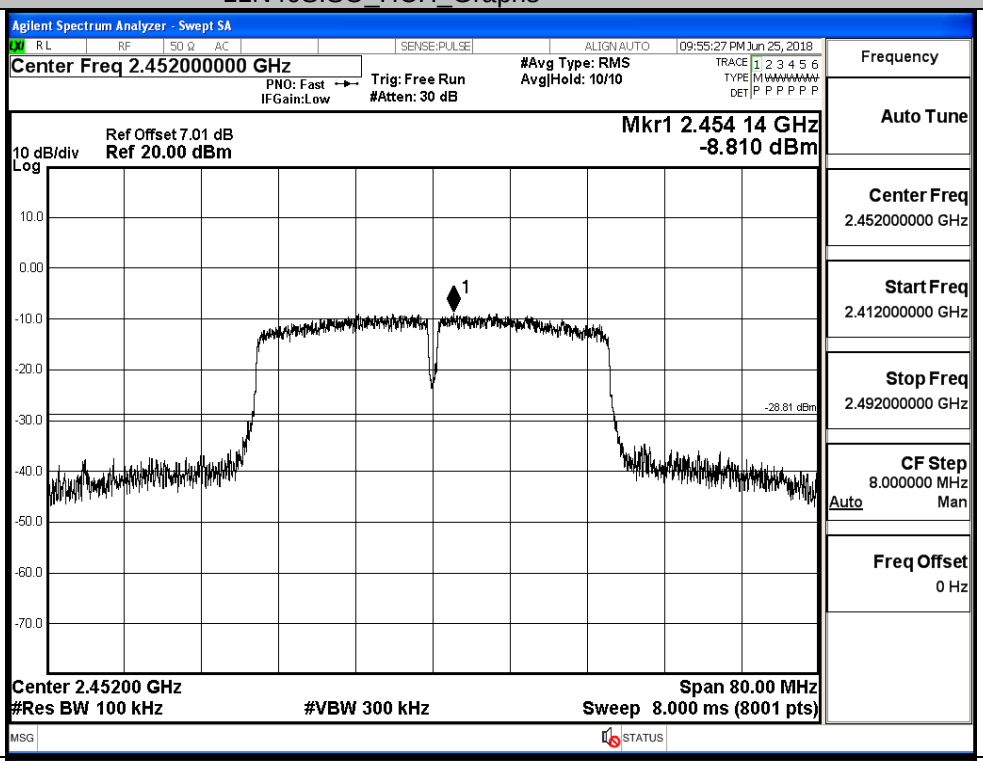
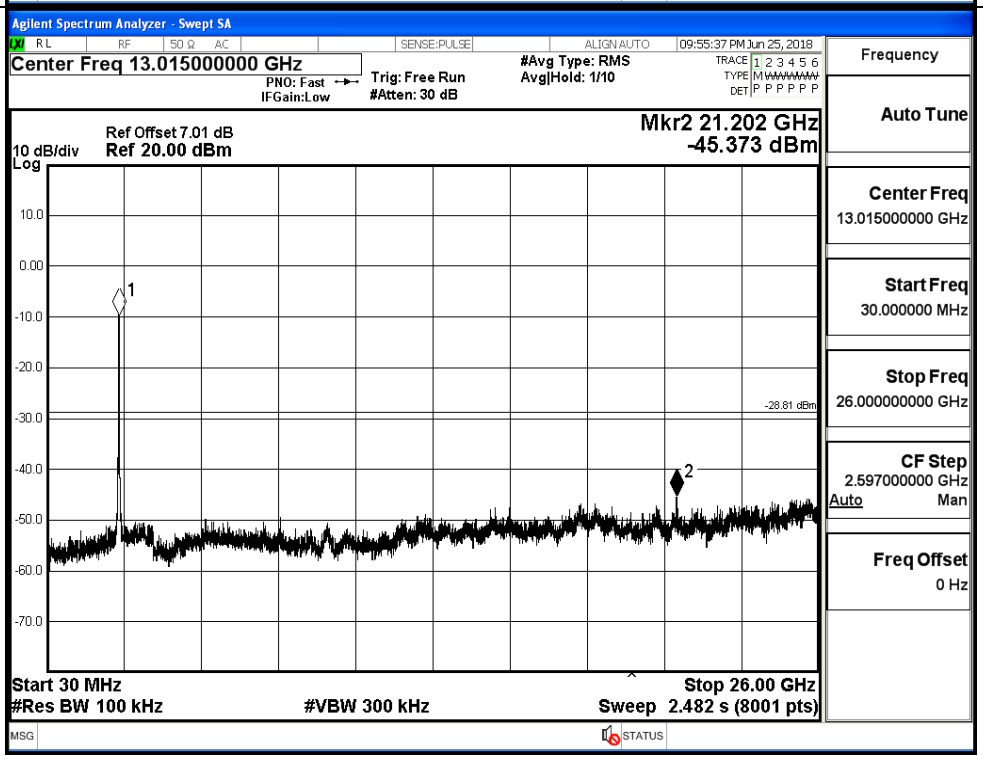
11N20SISO_LCH_Graphs		
Pref/11N20SISO/LCH		
Puw/11N20SISO/LCH		

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

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

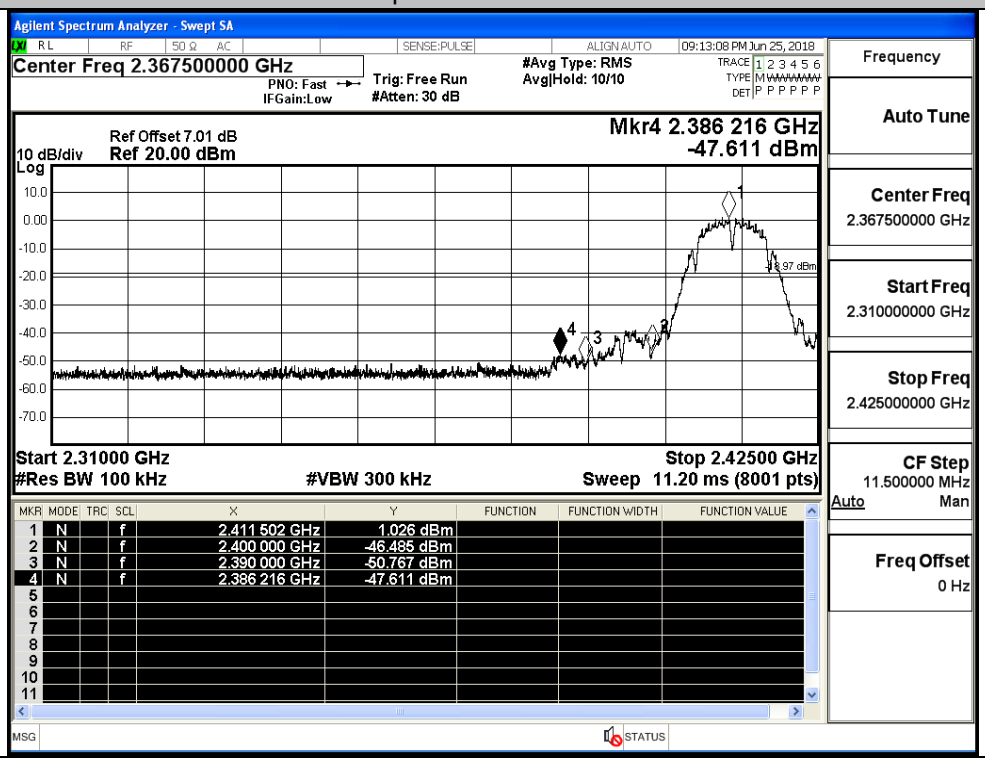
11N40SISO_LCH_Graphs		
Pref/11N40 SISO/LCH		
Puw/11N40 SISO/LCH		

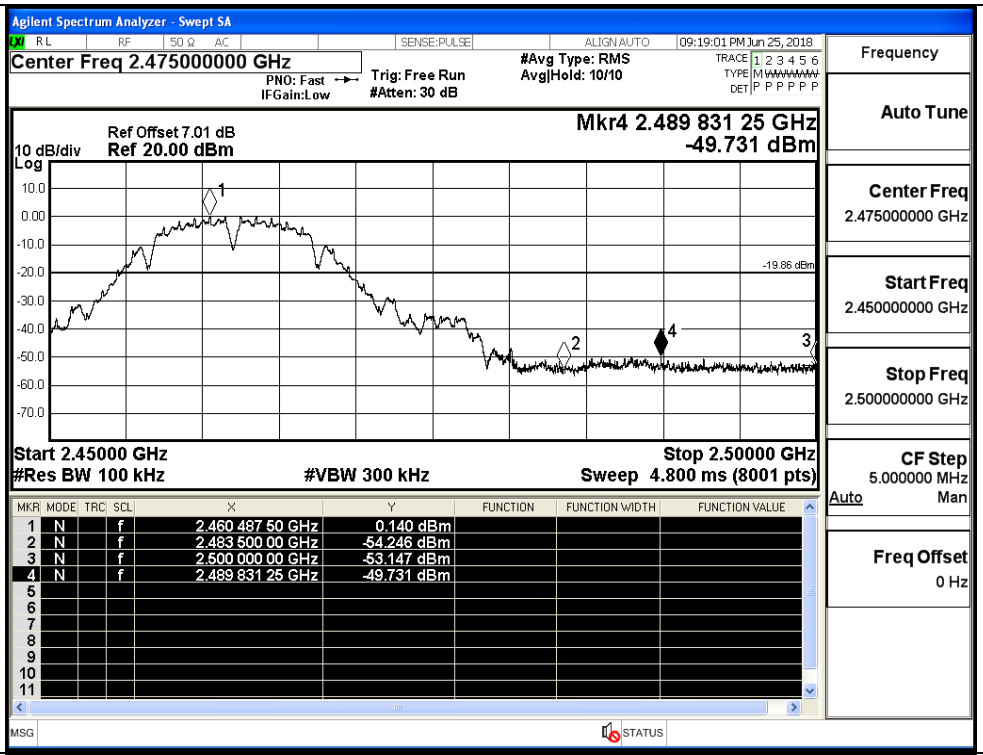
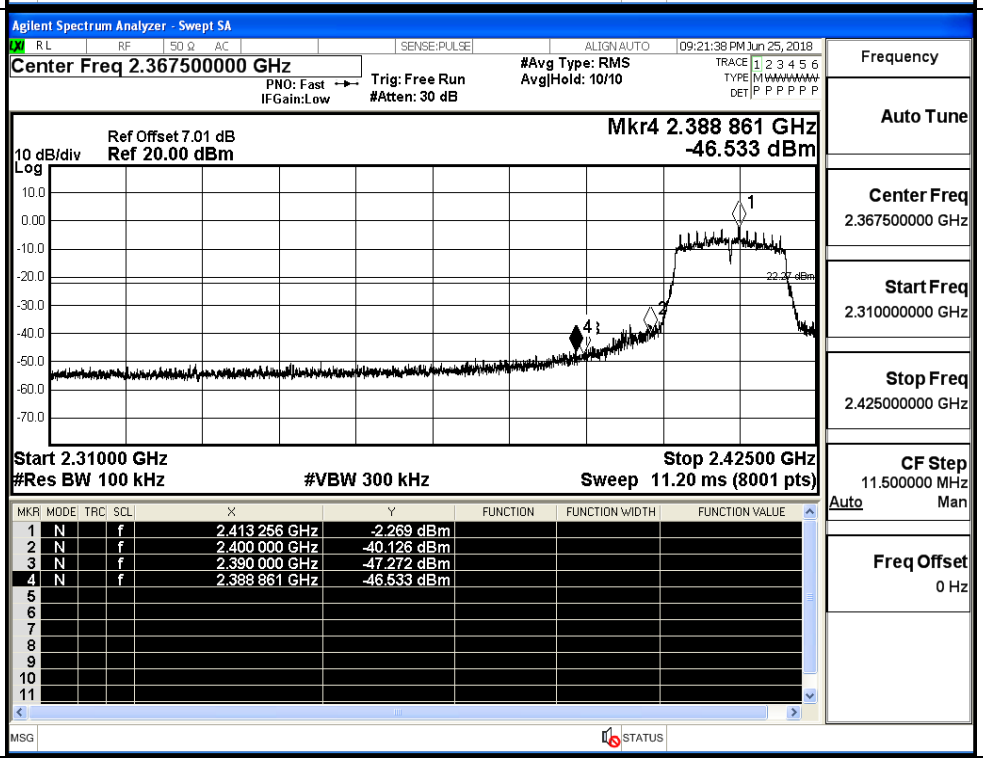
11N40SISO_MCH_Graphs		
Pref/11N40 SISO/MCH		
Puw/11N40 SISO/MCH		

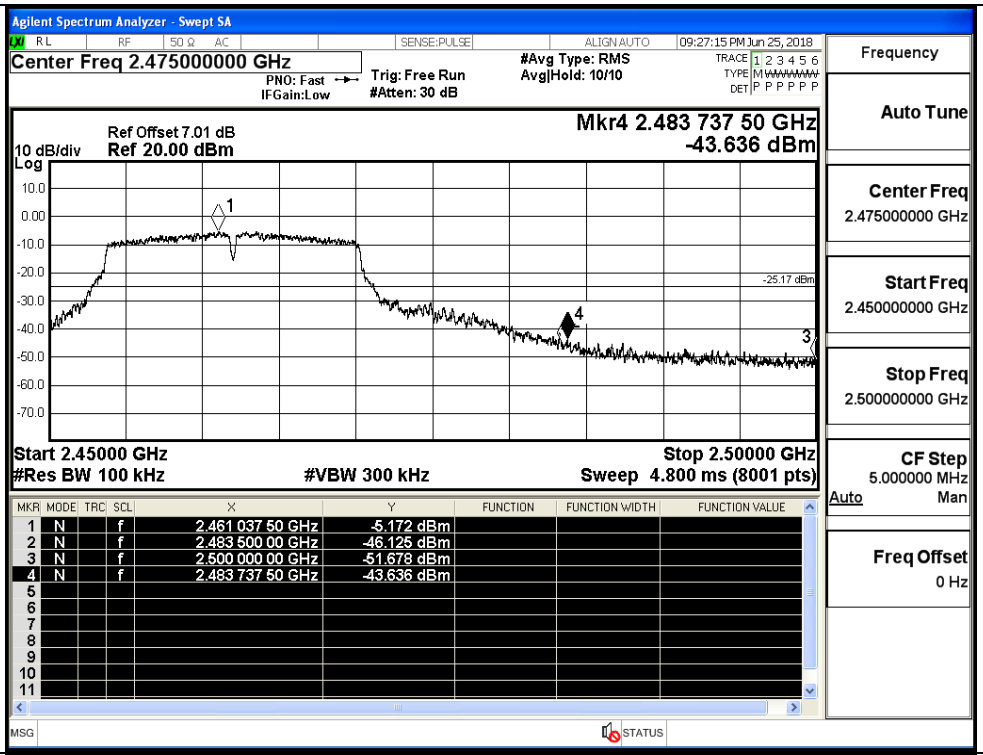
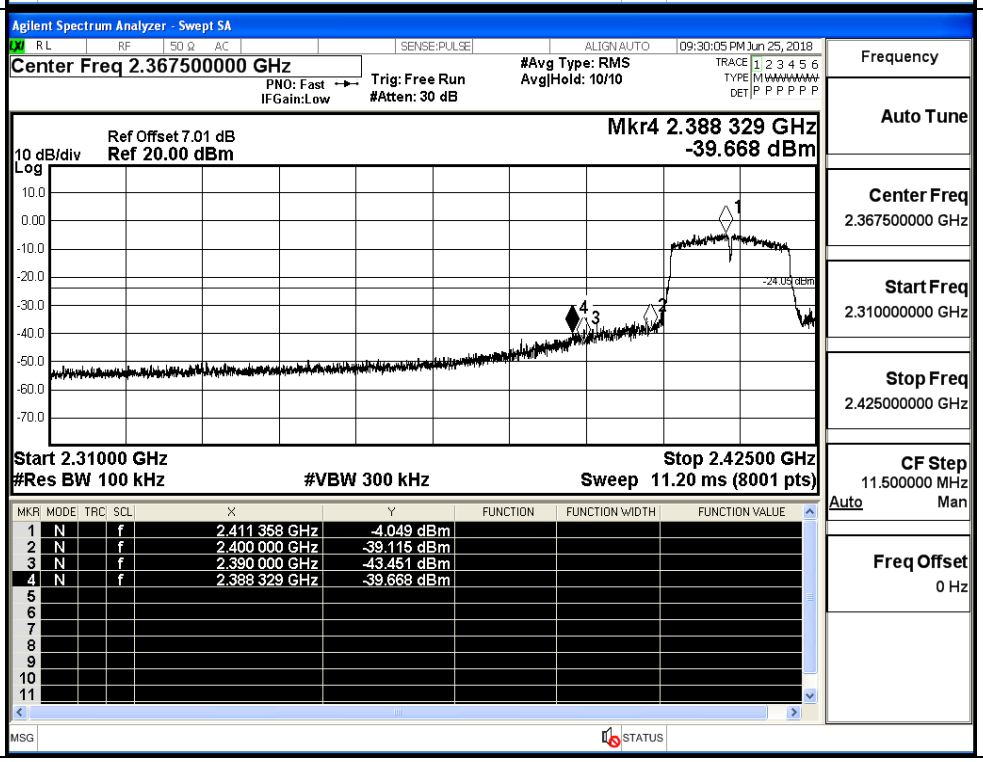
11N40SISO_HCH_Graphs		
Pref/11N40 SISO/HCH		
Puw/11N40 SISO/HCH		

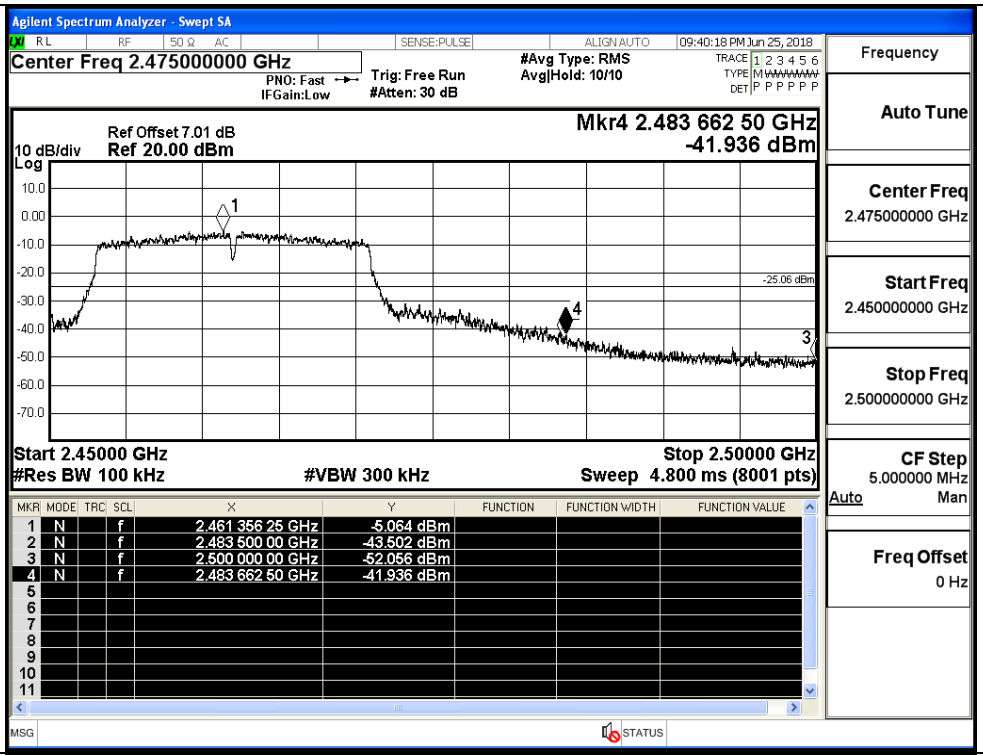
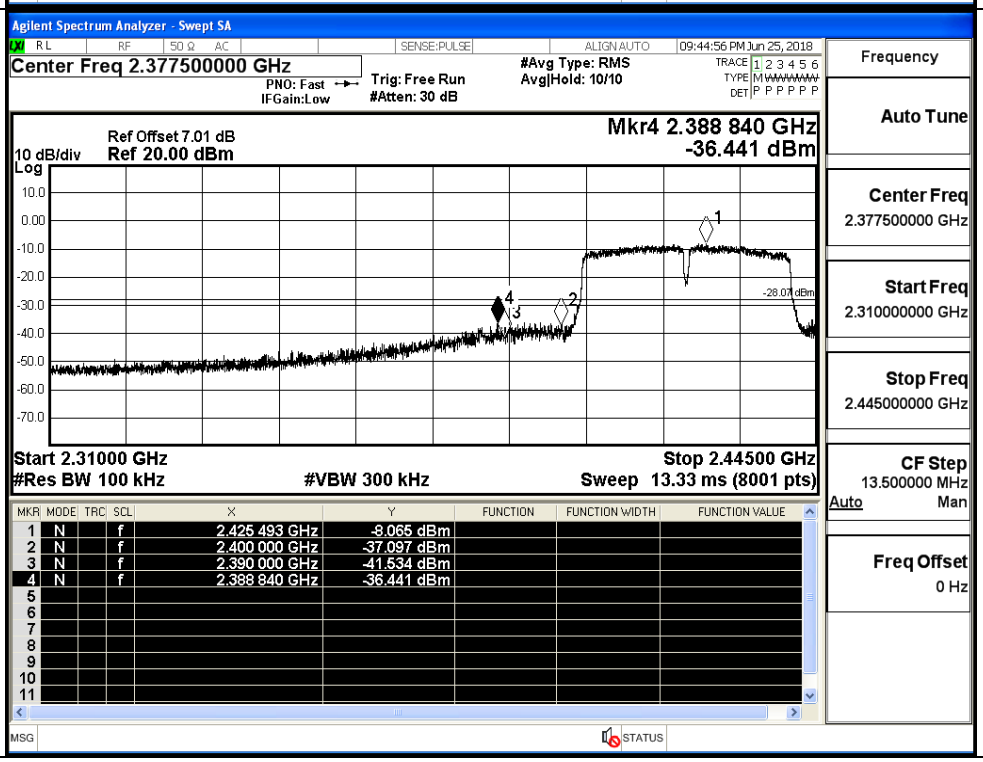
A.5 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	1.026	-47.611	-18.97	PASS
	HCH	0.140	-49.731	-19.86	PASS
11G	LCH	-2.269	-46.533	-22.27	PASS
	HCH	-5.172	-43.636	-25.17	PASS
11N20SISO	LCH	-4.049	-39.668	-24.05	PASS
	HCH	-5.064	-41.936	-25.06	PASS
11N40SISO	LCH	-8.065	-36.441	-28.07	PASS
	HCH	-8.677	-38.557	-28.68	PASS

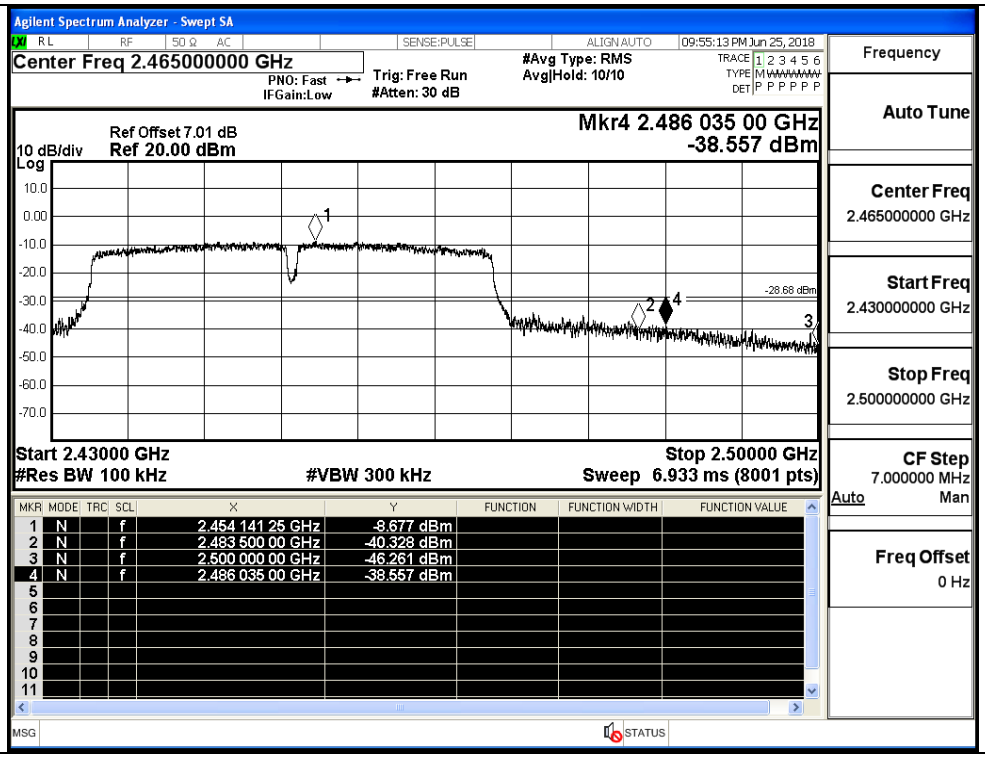
Test Graphs	
11B/LCH	

11B/HCH		
11G/LCH		

11G/HCH		
11N20SISO/LCH		

11N20SISO/HCH		
11N40SISO/LCH		

11N40SISO/HCH

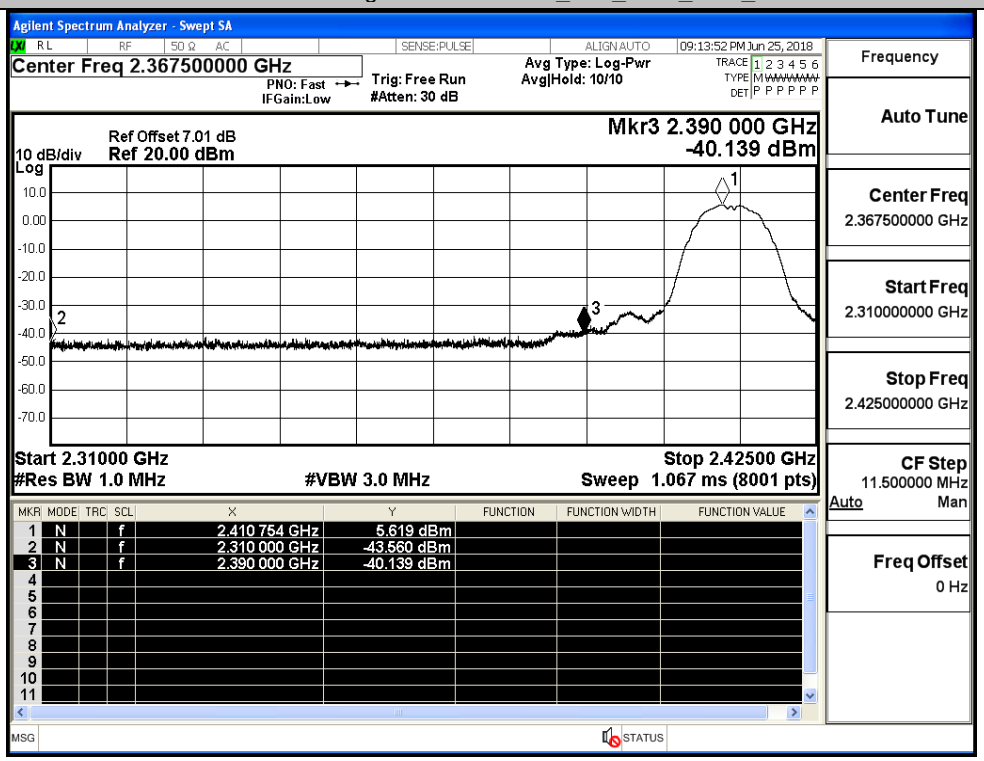


A.6 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-43.56	2.5	0	54.14	PEAK	74	PASS
	2412	Ant1	2310.0	-54.87	2.5	0	42.83	AV	54	PASS
	2412	Ant1	2390.0	-40.14	2.5	0	57.56	PEAK	74	PASS
	2412	Ant1	2390.0	-48.75	2.5	0	48.95	AV	54	PASS
	2462	Ant1	2483.5	-42.31	2.5	0	55.39	PEAK	74	PASS
	2462	Ant1	2483.5	-54.36	2.5	0	43.34	AV	54	PASS
	2462	Ant1	2500.0	-43.95	2.5	0	53.75	PEAK	74	PASS
	2462	Ant1	2500.0	-54.28	2.5	0	43.42	AV	54	PASS
11G	2412	Ant1	2310.0	-45.10	2.5	0	52.60	PEAK	74	PASS
	2412	Ant1	2310.0	-54.82	2.5	0	42.88	AV	54	PASS
	2412	Ant1	2390.0	-36.58	2.5	0	61.12	PEAK	74	PASS
	2412	Ant1	2390.0	-49.95	2.5	0	47.75	AV	54	PASS
	2462	Ant1	2483.5	-33.49	2.5	0	64.21	PEAK	74	PASS
	2462	Ant1	2483.5	-47.74	2.5	0	49.96	AV	54	PASS
	2462	Ant1	2500.0	-40.91	2.5	0	56.79	PEAK	74	PASS
	2462	Ant1	2500.0	-52.64	2.5	0	45.06	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-44.67	2.5	0	53.03	PEAK	74	PASS
	2412	Ant1	2310.0	-54.46	2.5	0	43.24	AV	54	PASS
	2412	Ant1	2390.0	-27.92	2.5	0	69.78	PEAK	74	PASS
	2412	Ant1	2390.0	-44.45	2.5	0	53.25	AV	54	PASS
	2462	Ant1	2483.5	-29.73	2.5	0	67.97	PEAK	74	PASS
	2462	Ant1	2483.5	-46.37	2.5	0	51.33	AV	54	PASS
	2462	Ant1	2500.0	-41.18	2.5	0	56.52	PEAK	74	PASS
	2462	Ant1	2500.0	-52.67	2.5	0	45.03	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.83	2.5	0	53.87	PEAK	74	PASS
	2422	Ant1	2310.0	-54.87	2.5	0	42.83	AV	54	PASS

	2422	Ant1	2390.0	-36.12	2.5	0	61.58	PEAK	74	PASS
	2422	Ant1	2390.0	-47.43	2.5	0	50.27	AV	54	PASS
	2452	Ant1	2483.5	-42.00	2.5	0	55.70	PEAK	74	PASS
	2452	Ant1	2483.5	-53.45	2.5	0	44.25	AV	54	PASS
	2452	Ant1	2500.0	-42.67	2.5	0	55.03	PEAK	74	PASS
	2452	Ant1	2500.0	-54.06	2.5	0	43.64	AV	54	PASS

Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



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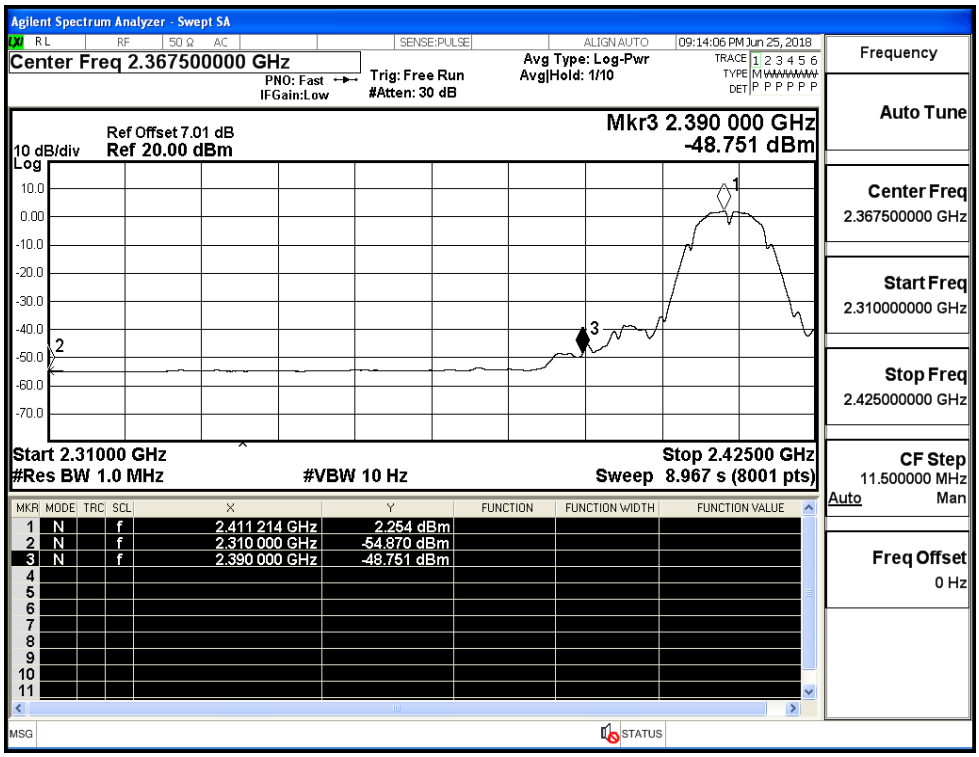
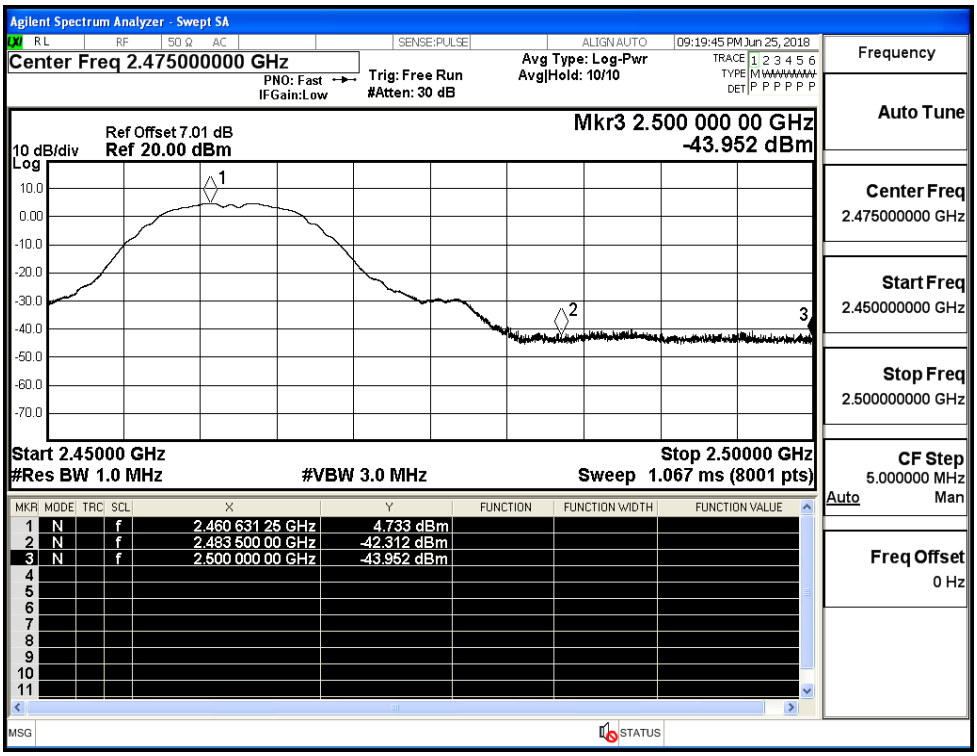


Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



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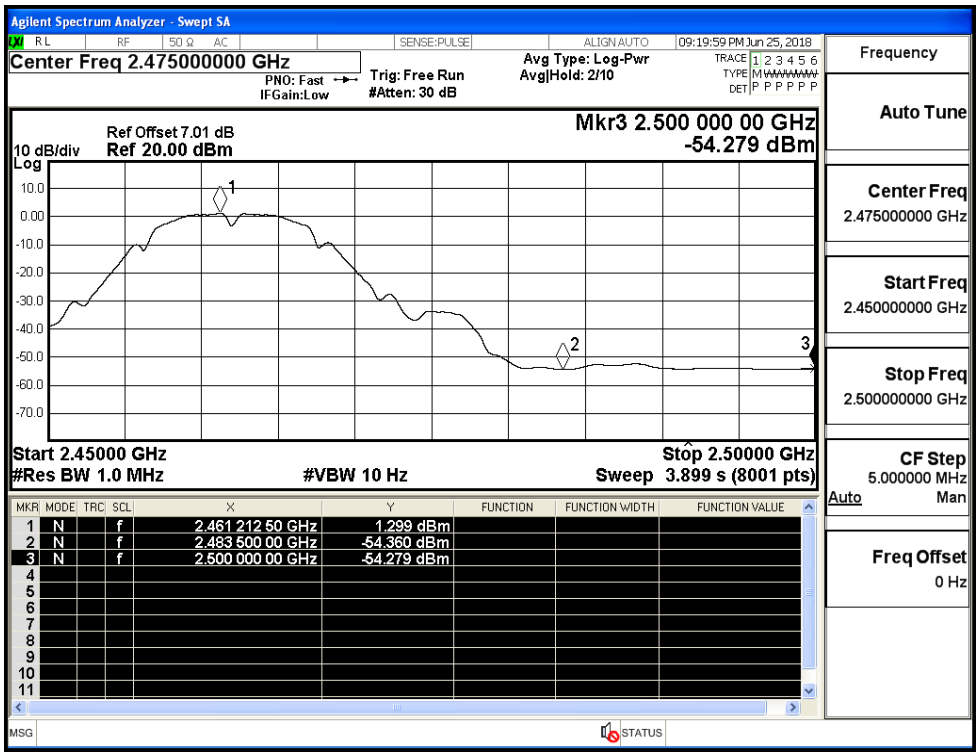
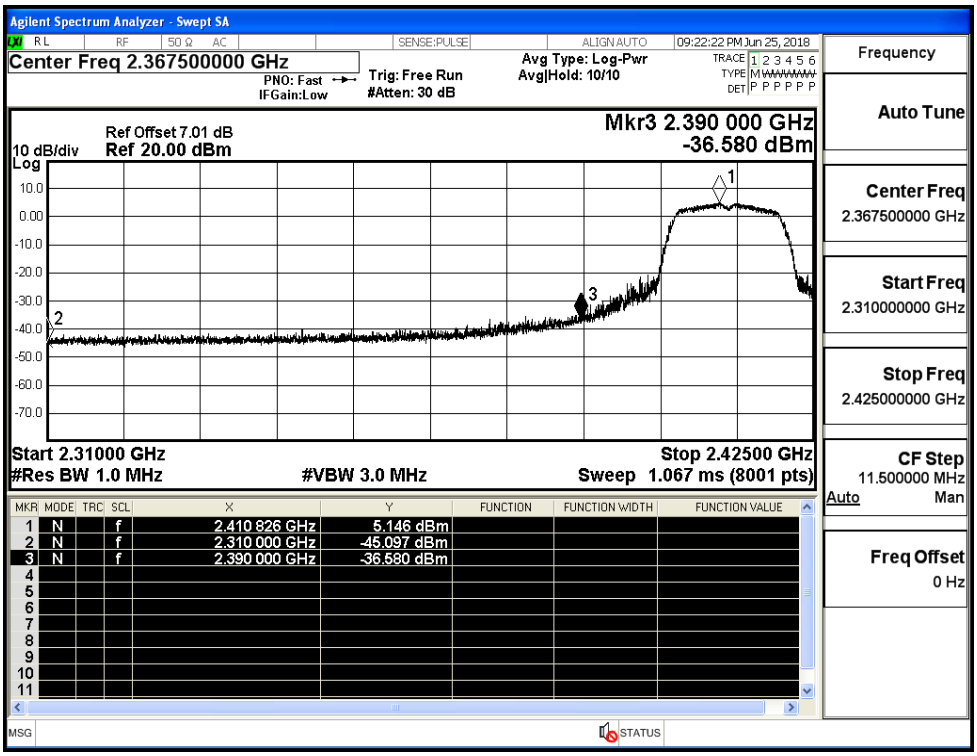


Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



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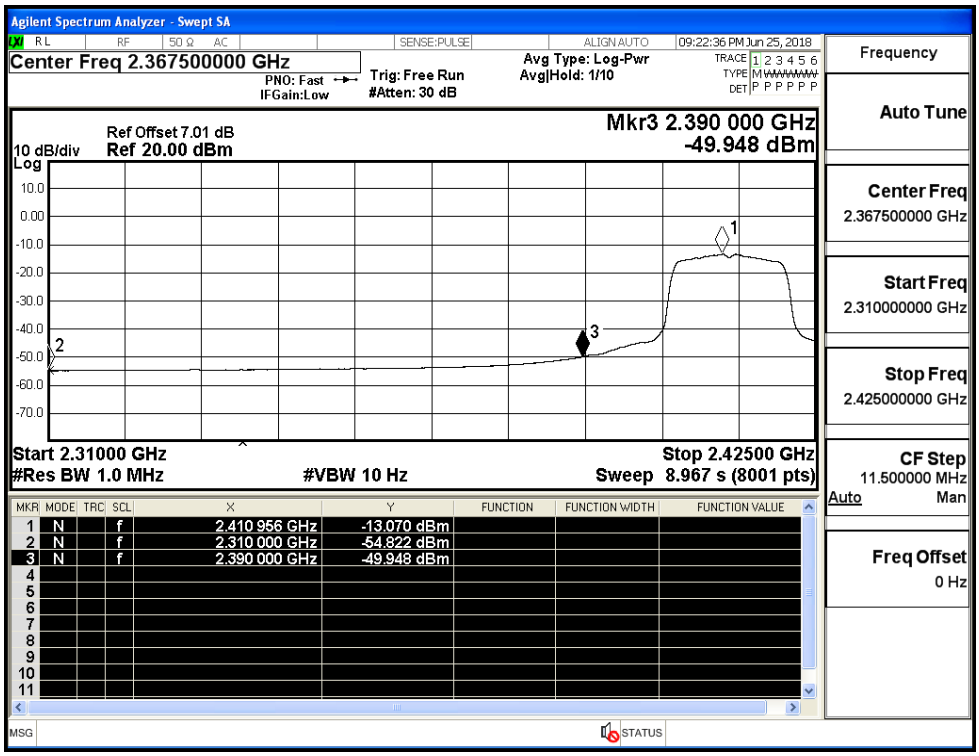

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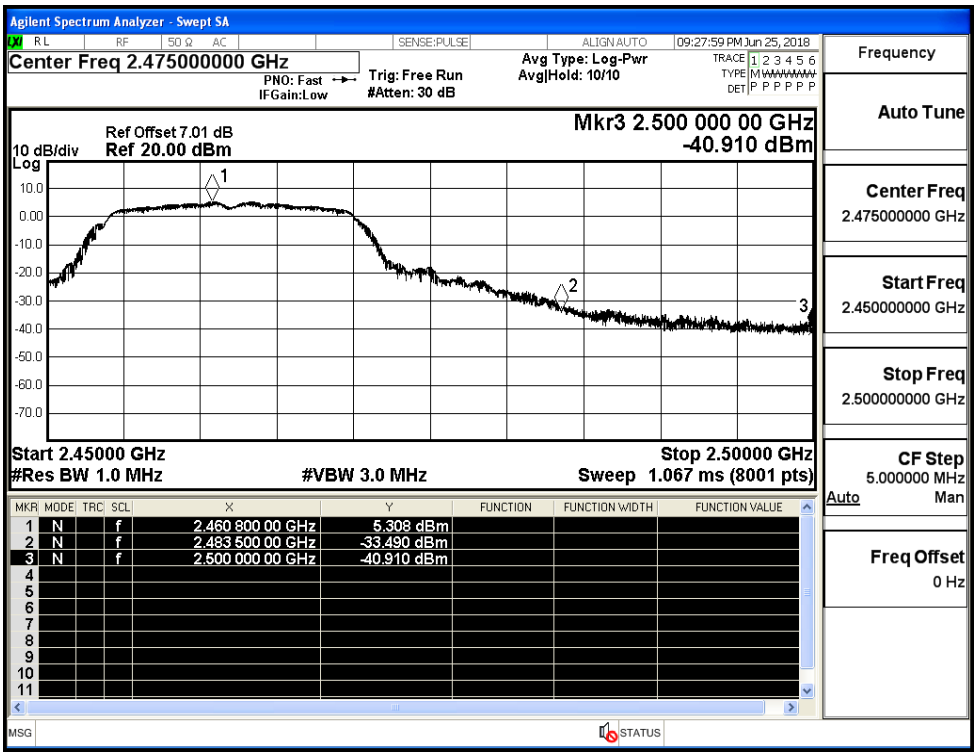

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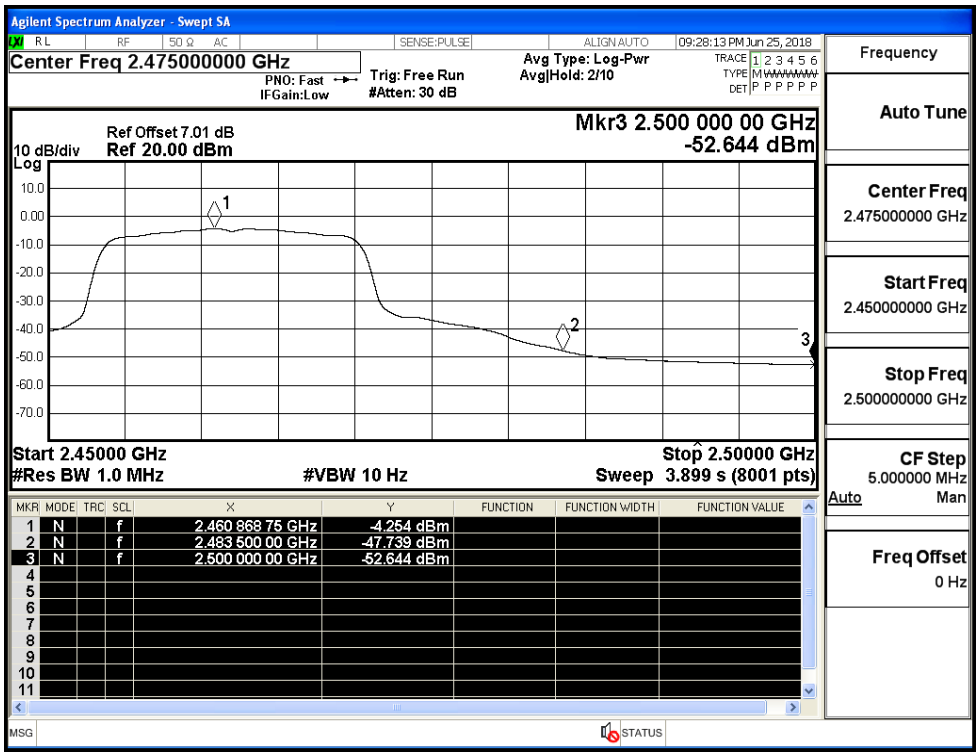

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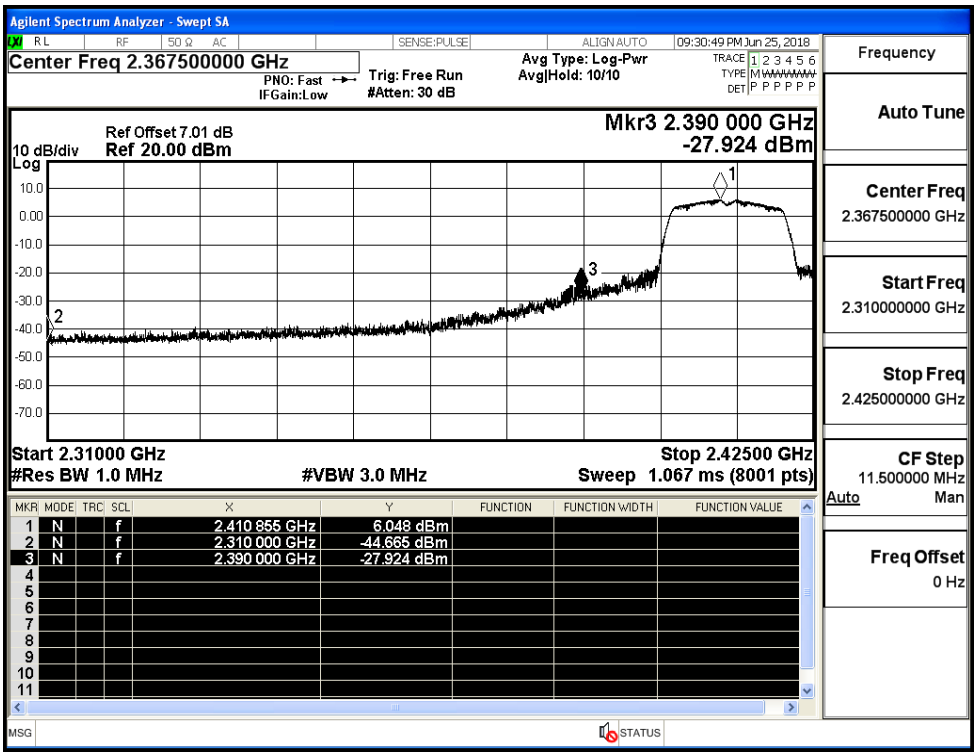

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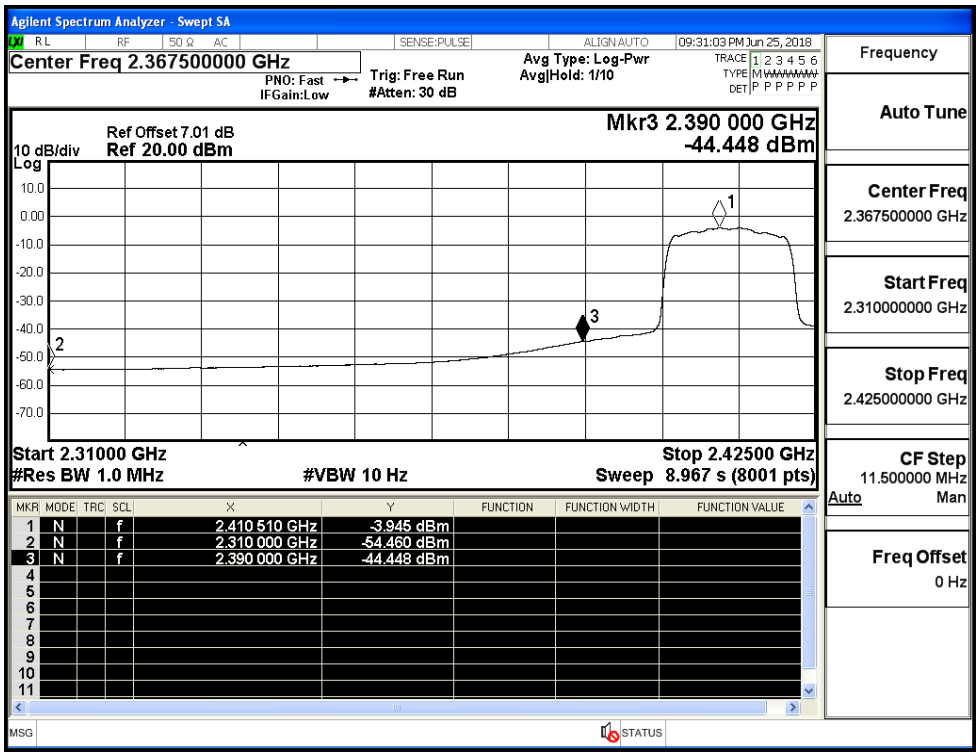

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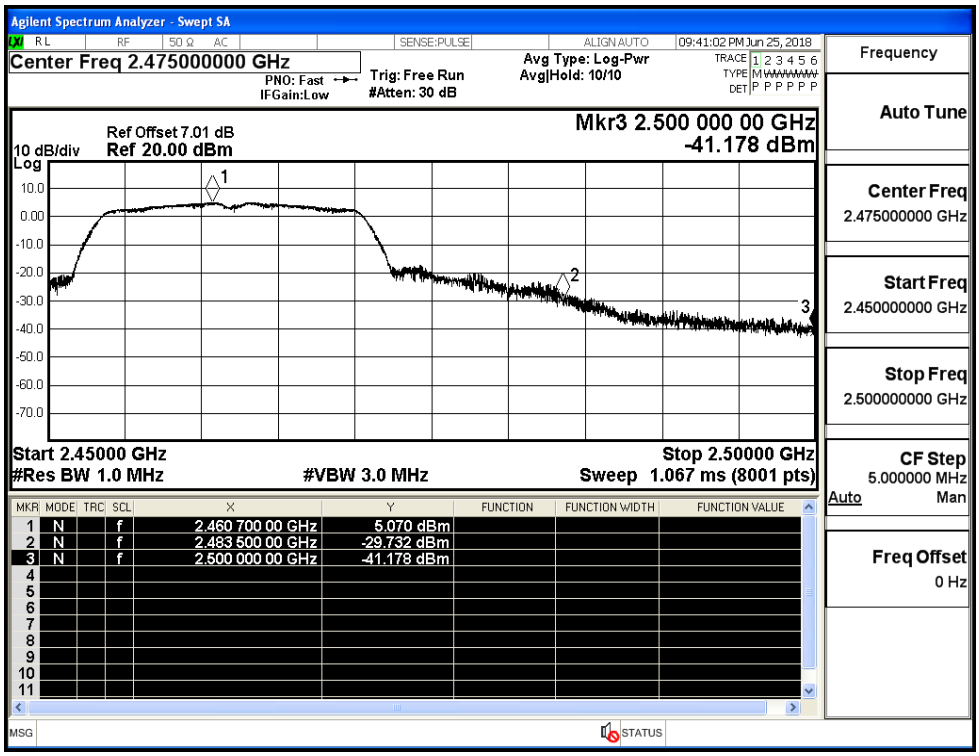

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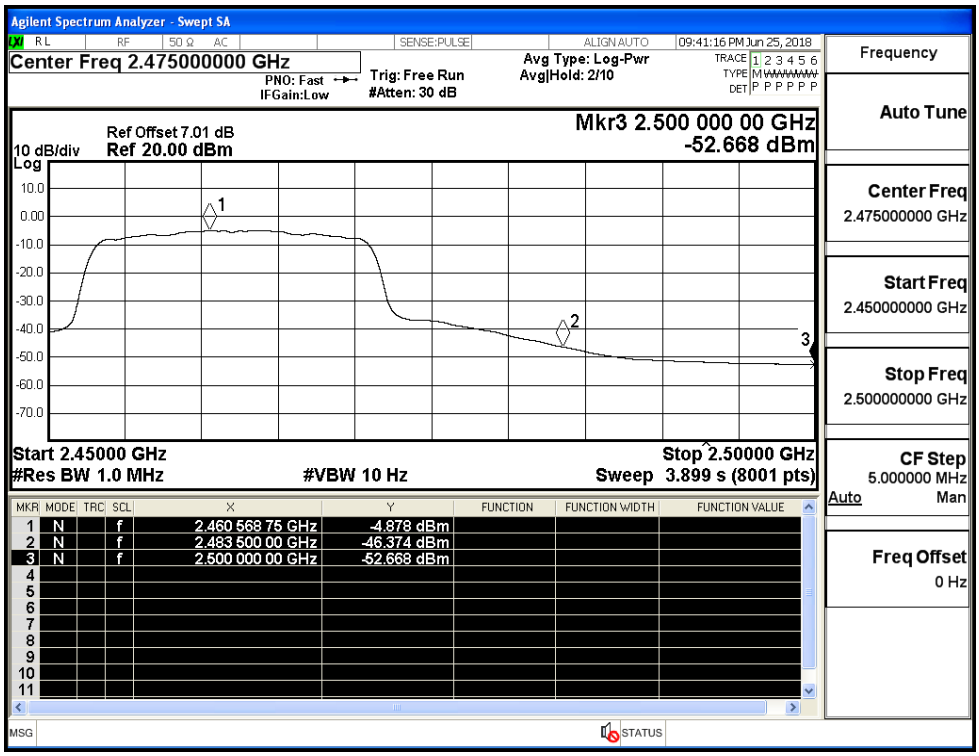

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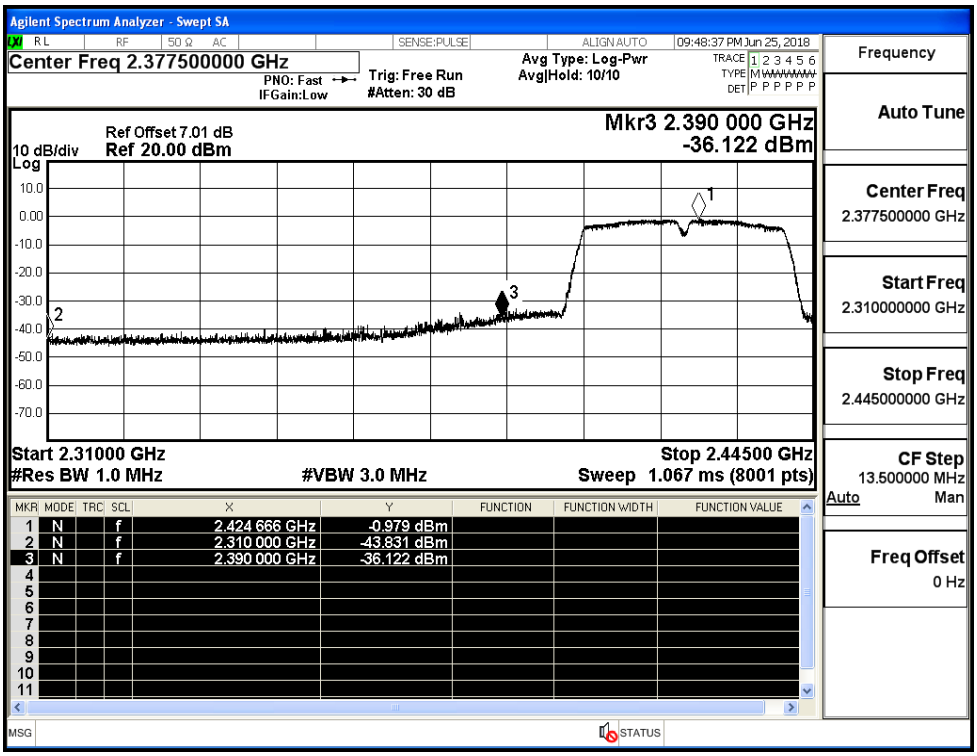

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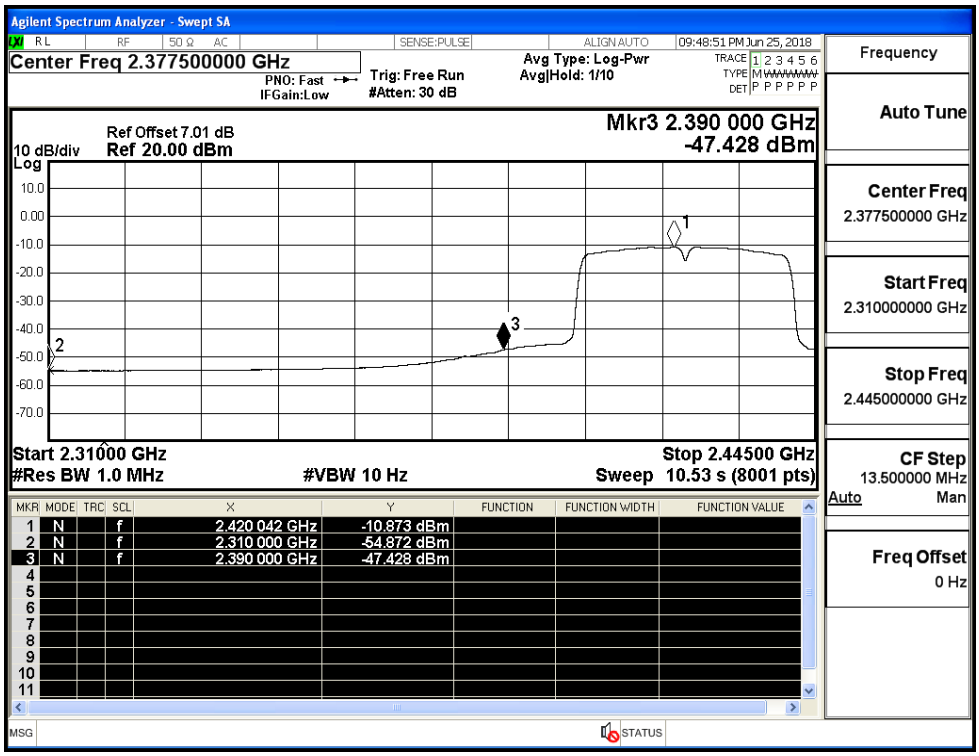

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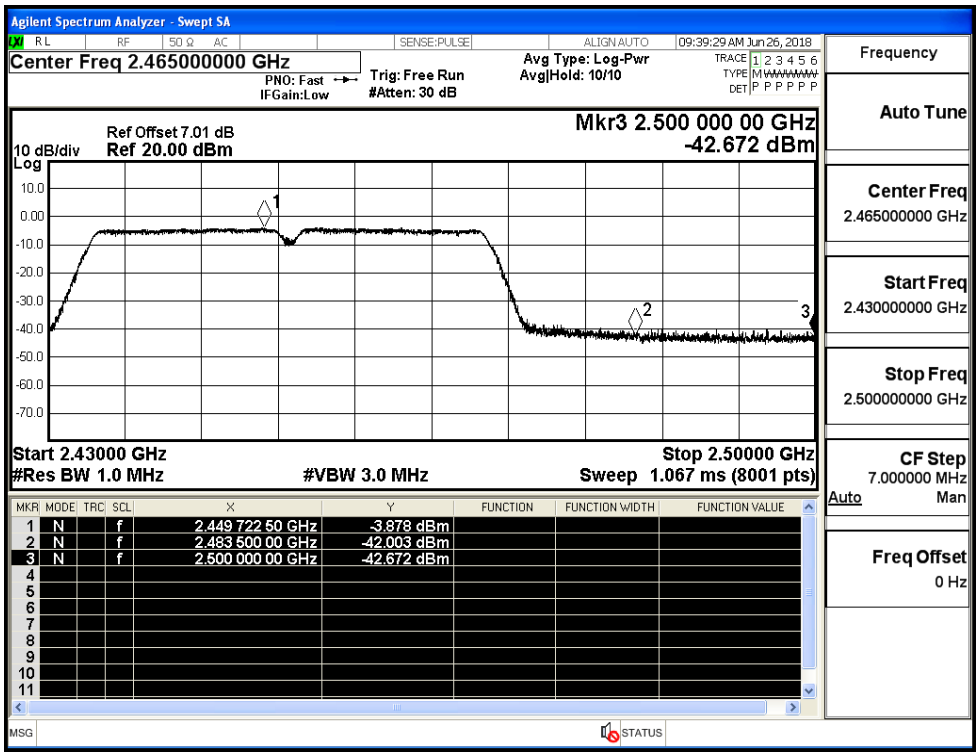
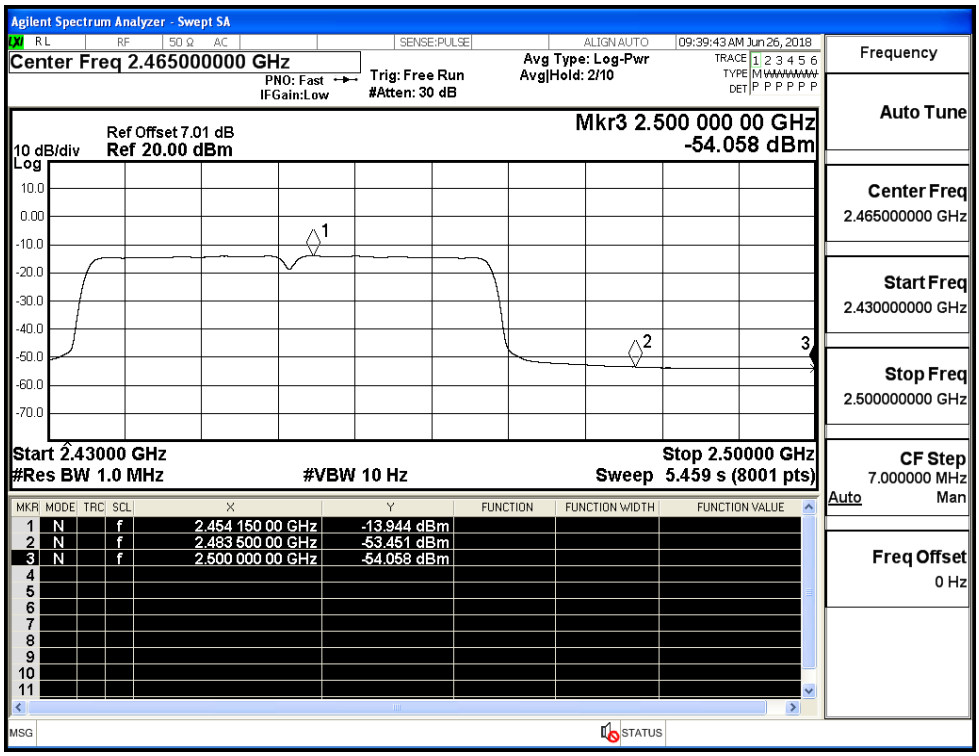
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