Environmental Conditions

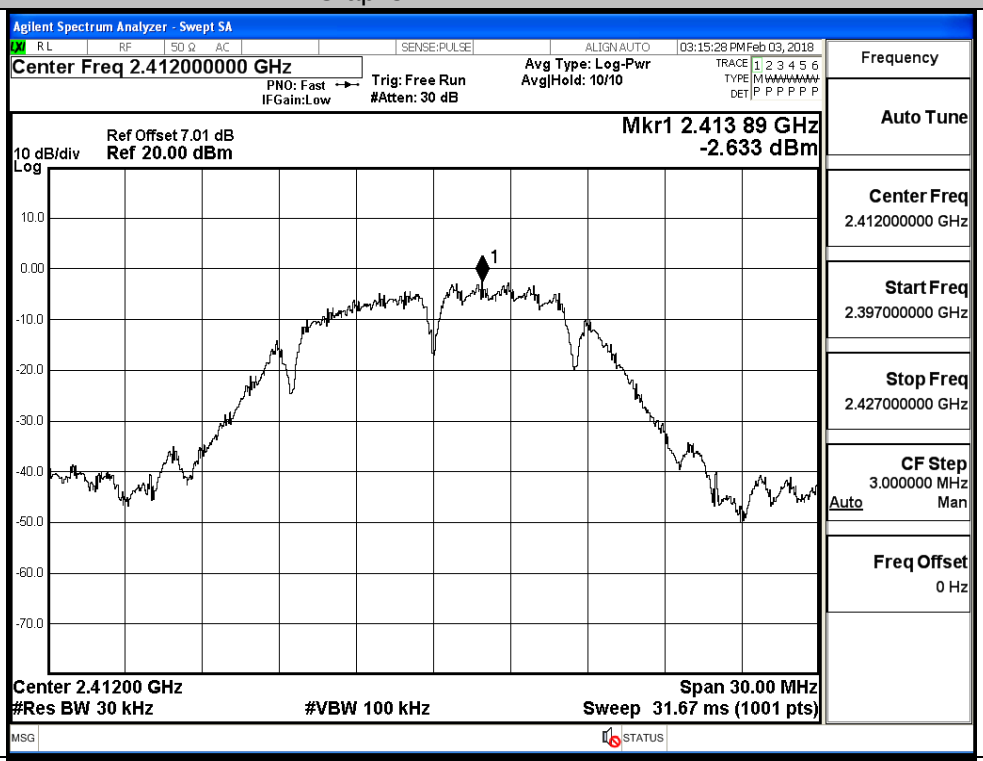
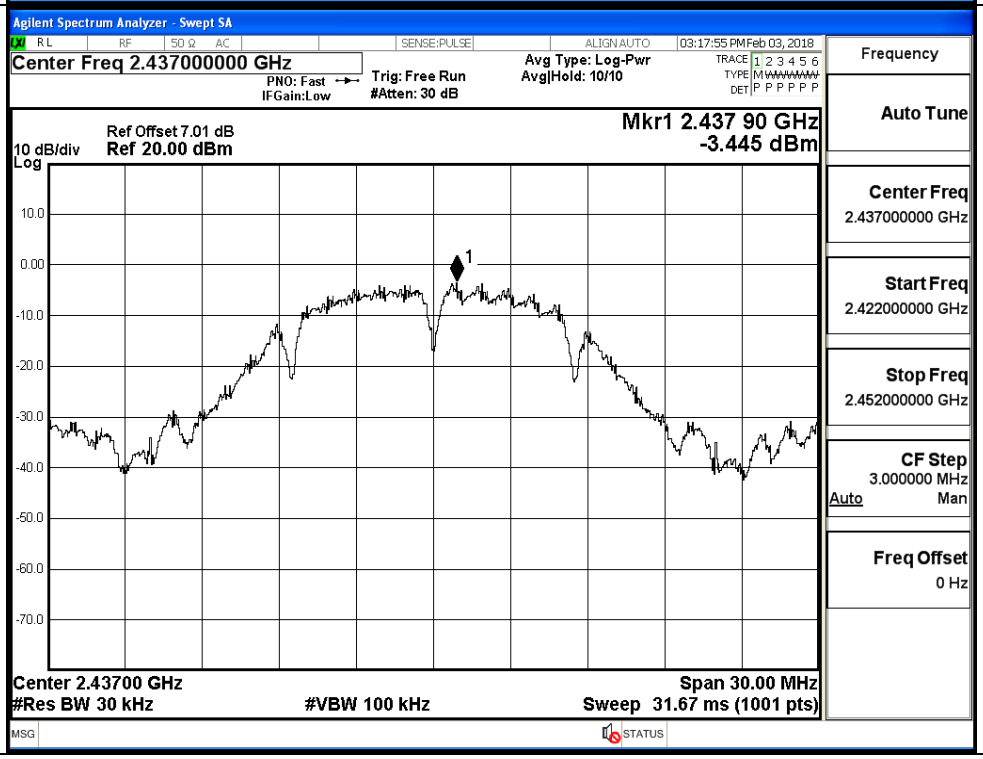
Temperature:	21.5 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.xu
Supervised by:	Tom.Liu

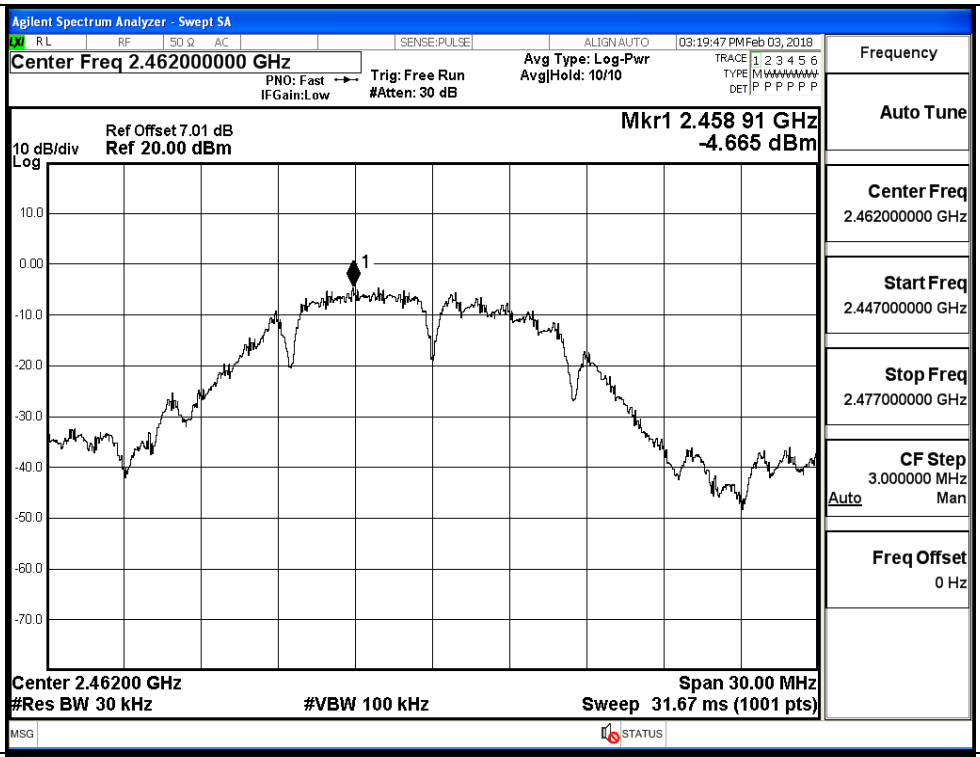
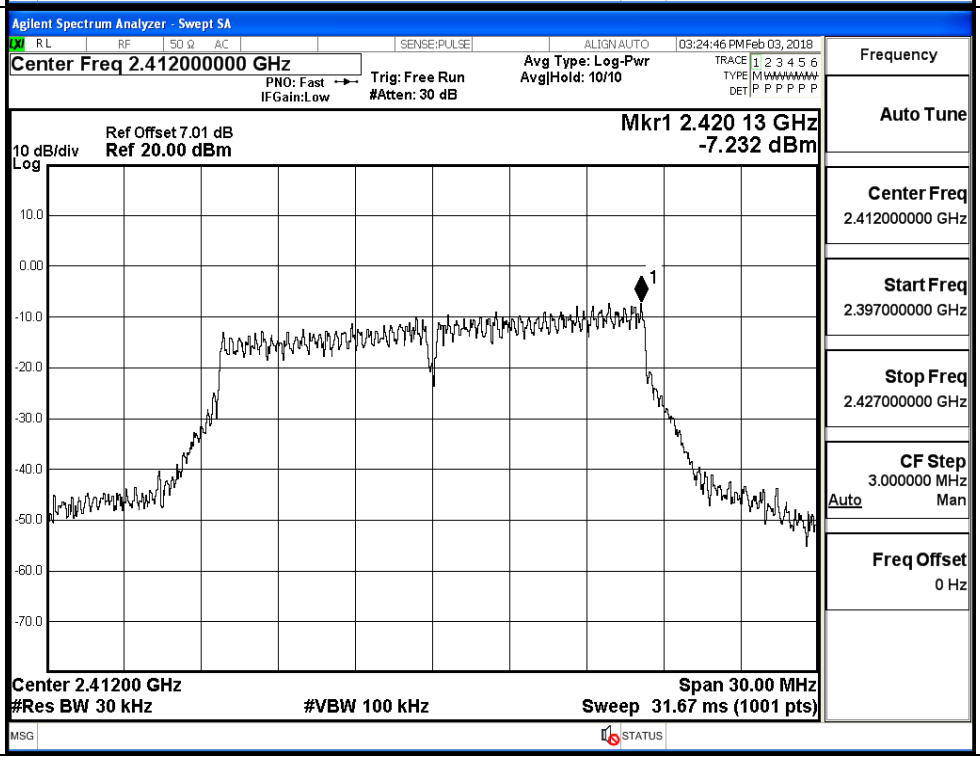
Section 1): Maximum Power Spectral Density

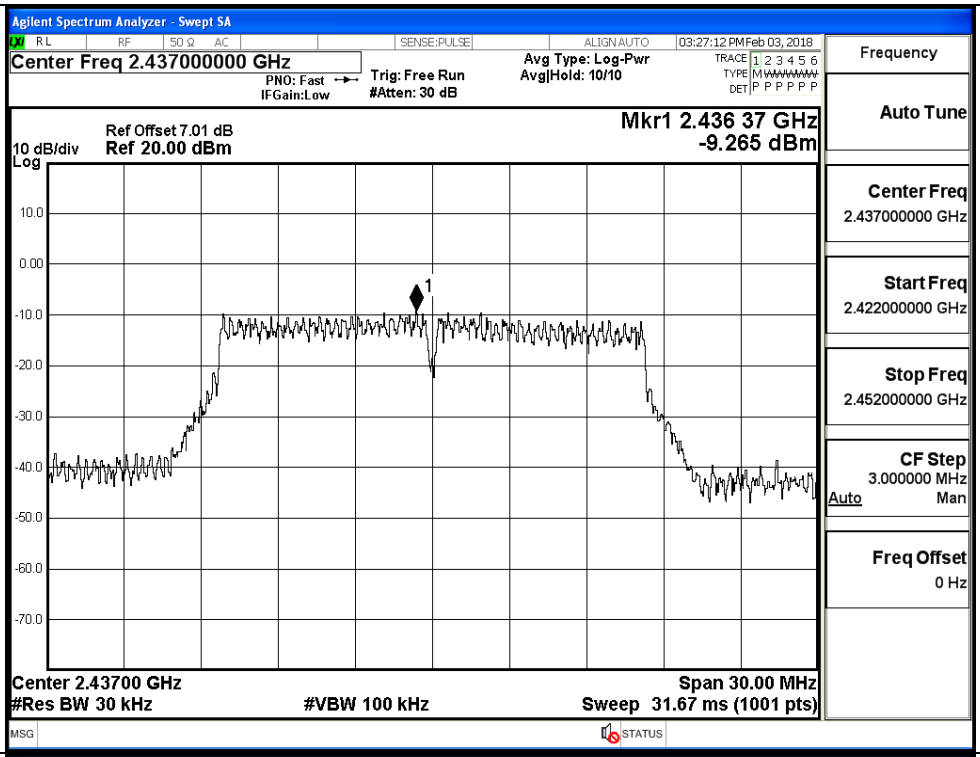
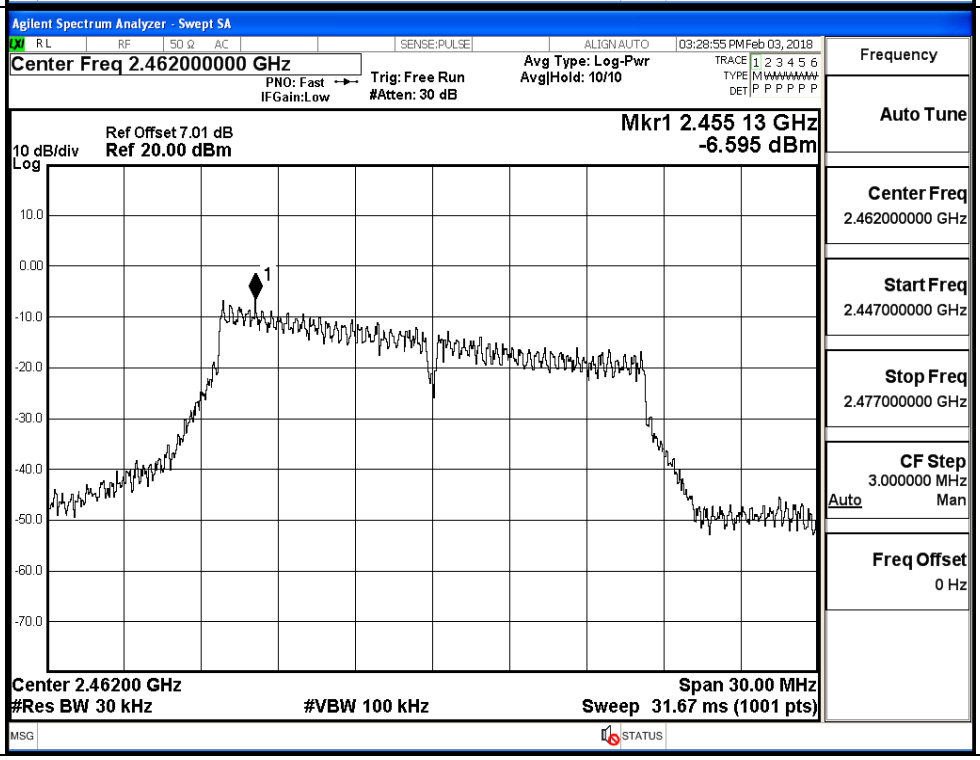
Result Table

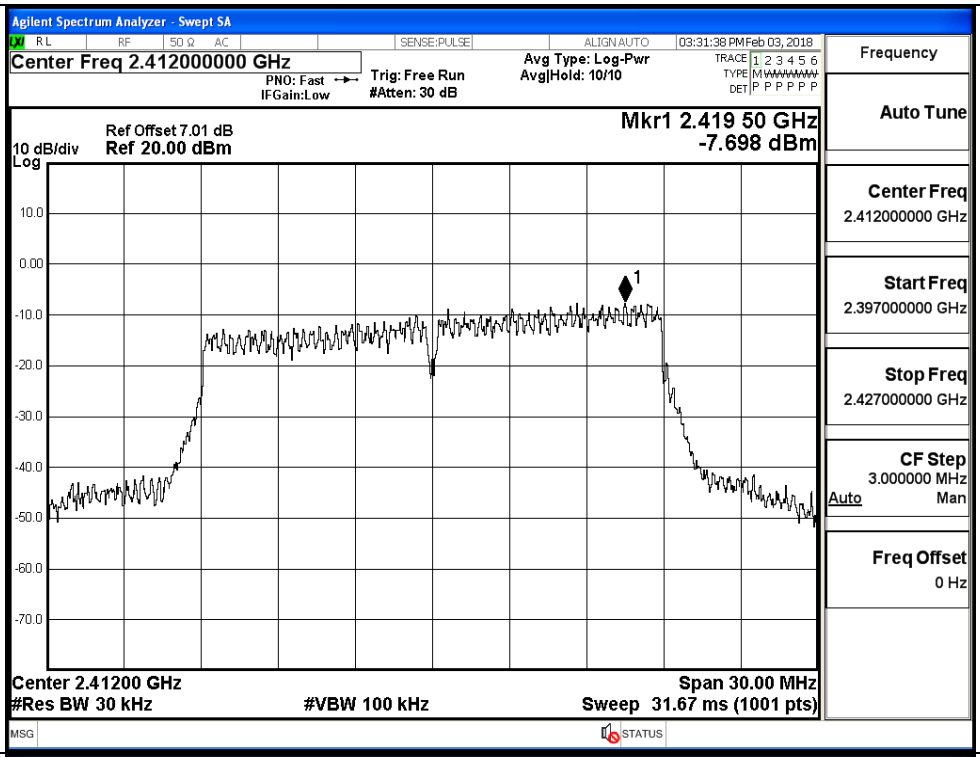
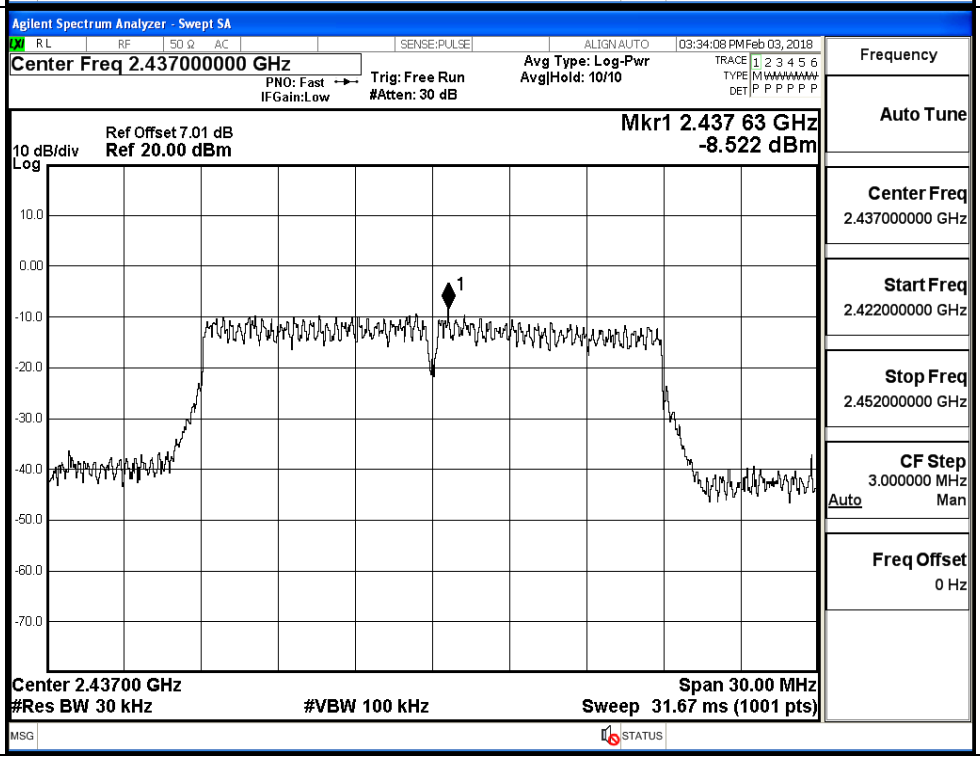
Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	-2.633	PASS
11B	MCH	-3.445	PASS
11B	HCH	-4.665	PASS
11G	LCH	-7.232	PASS
11G	MCH	-9.265	PASS
11G	HCH	-6.595	PASS
11N20SISO	LCH	-7.698	PASS
11N20SISO	MCH	-8.522	PASS
11N20SISO	HCH	-6.501	PASS

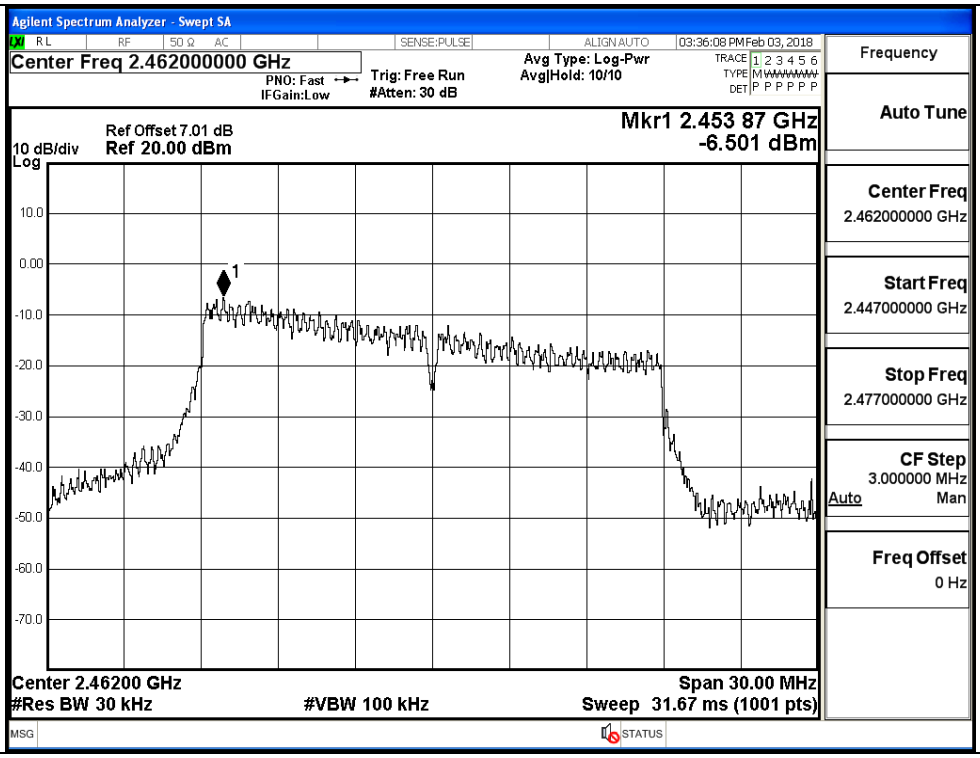
Test Graph

Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

11N20SISO/LCH		
11N20SISO/MCH		

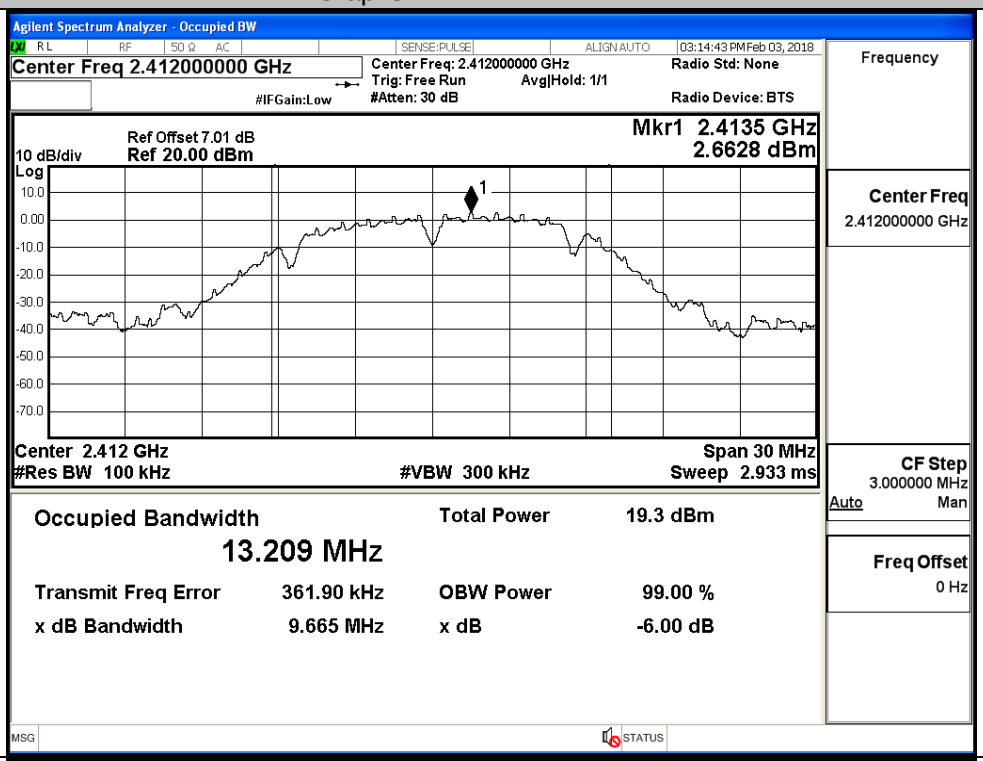
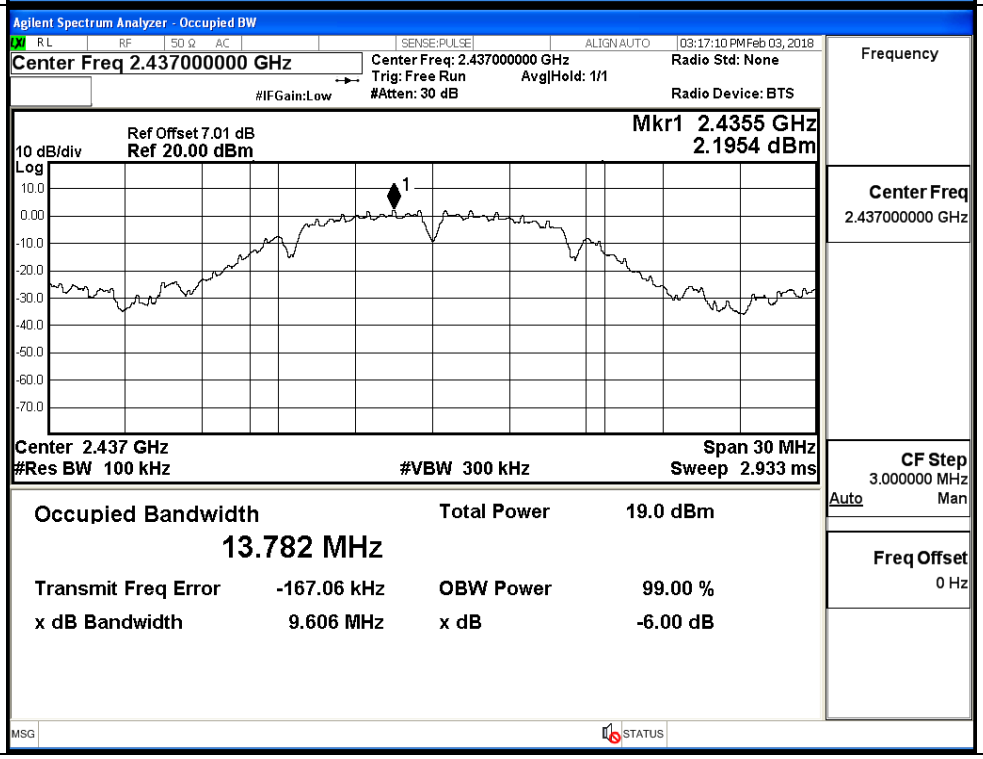
11N20SISO/HCH		

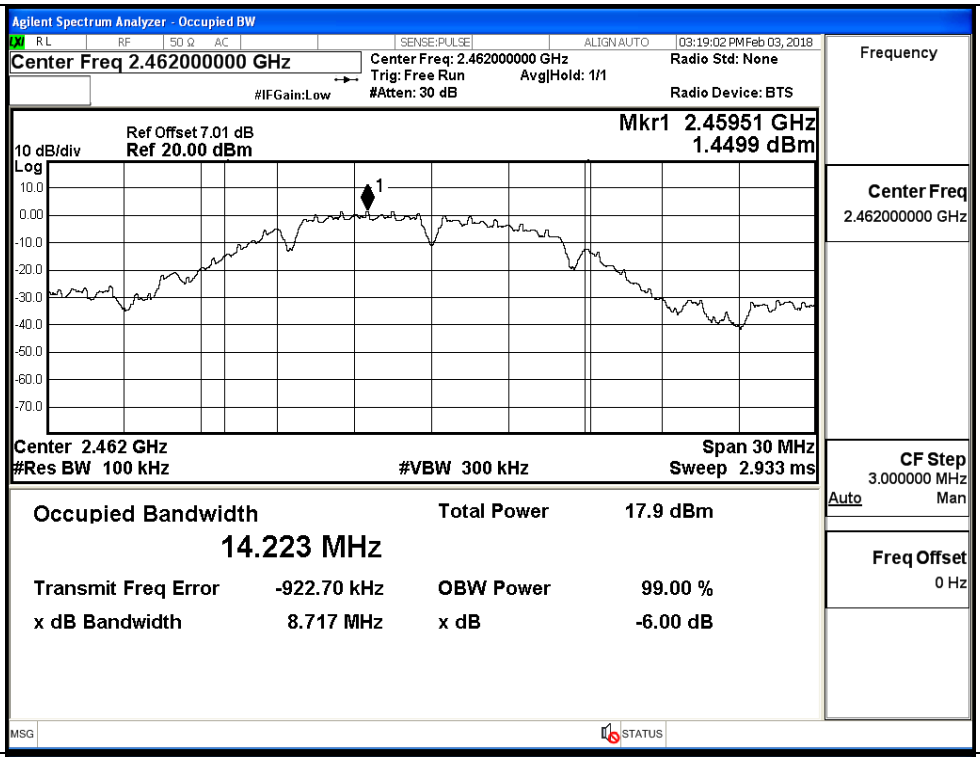
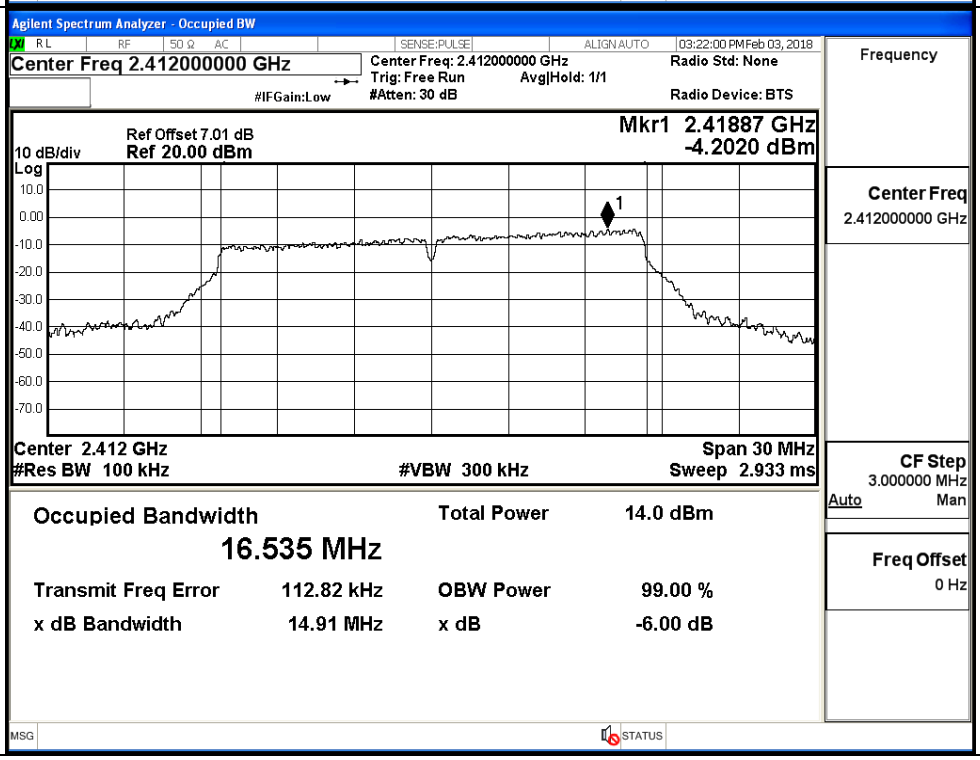
Section 2): 6dB Bandwidth

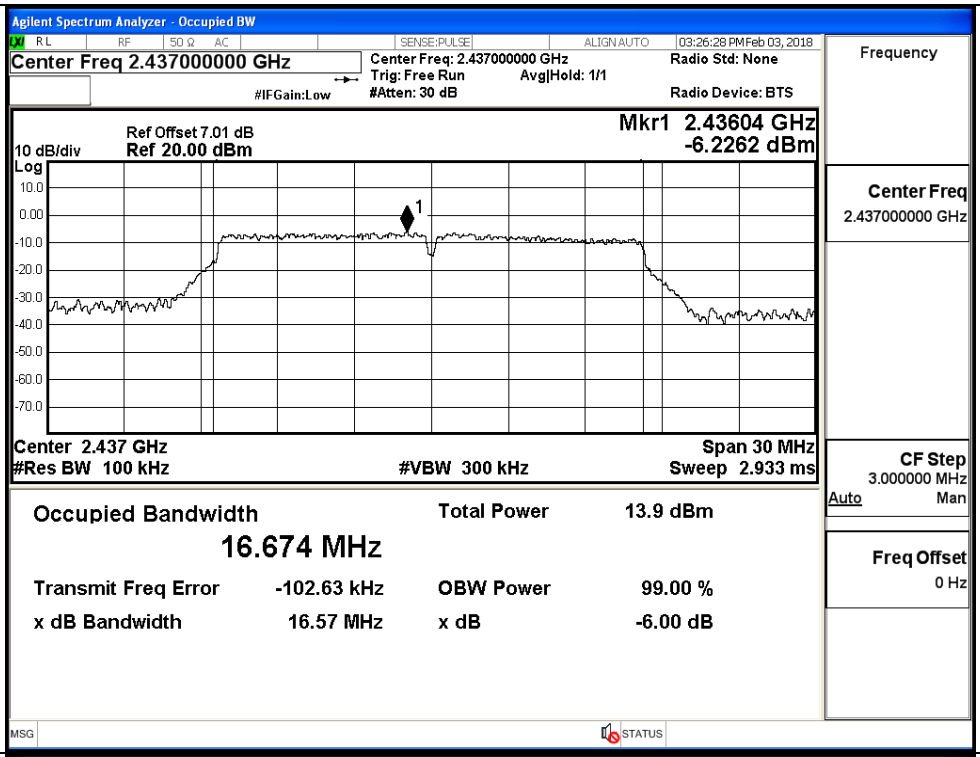
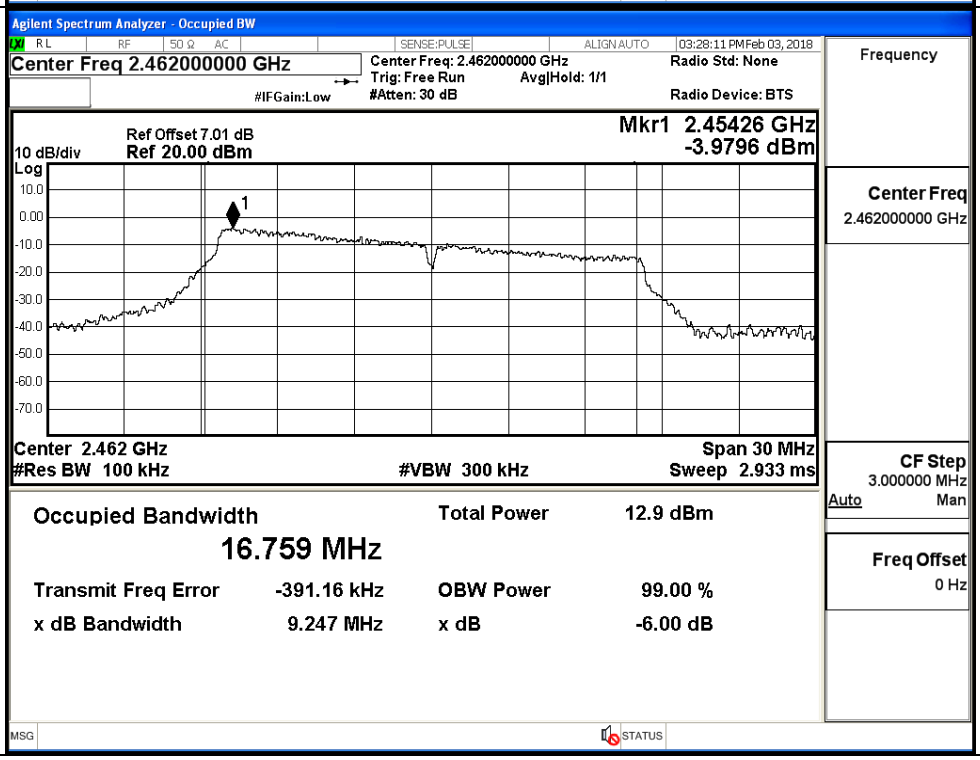
Result Table

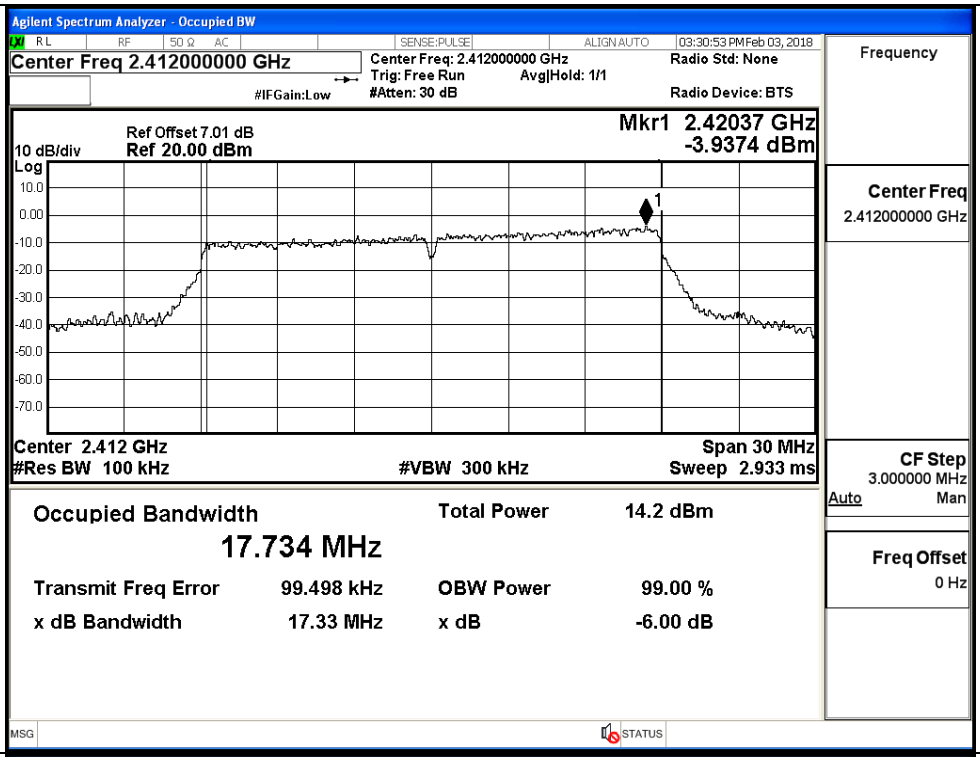
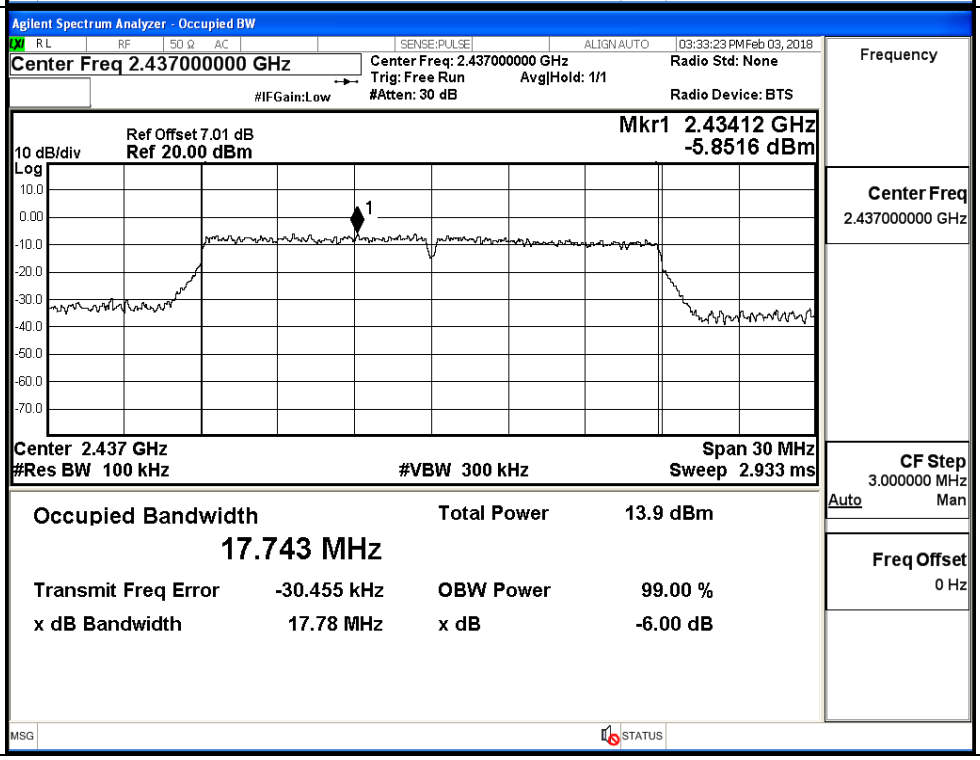
Mode	Channel	6dB Bandwidth [MHz]	Verdict
11B	LCH	9.665	PASS
11B	MCH	9.606	PASS
11B	HCH	8.717	PASS
11G	LCH	14.91	PASS
11G	MCH	16.57	PASS
11G	HCH	16.759	PASS
11N20SISO	LCH	17.33	PASS
11N20SISO	MCH	17.78	PASS
11N20SISO	HCH	17.620	PASS

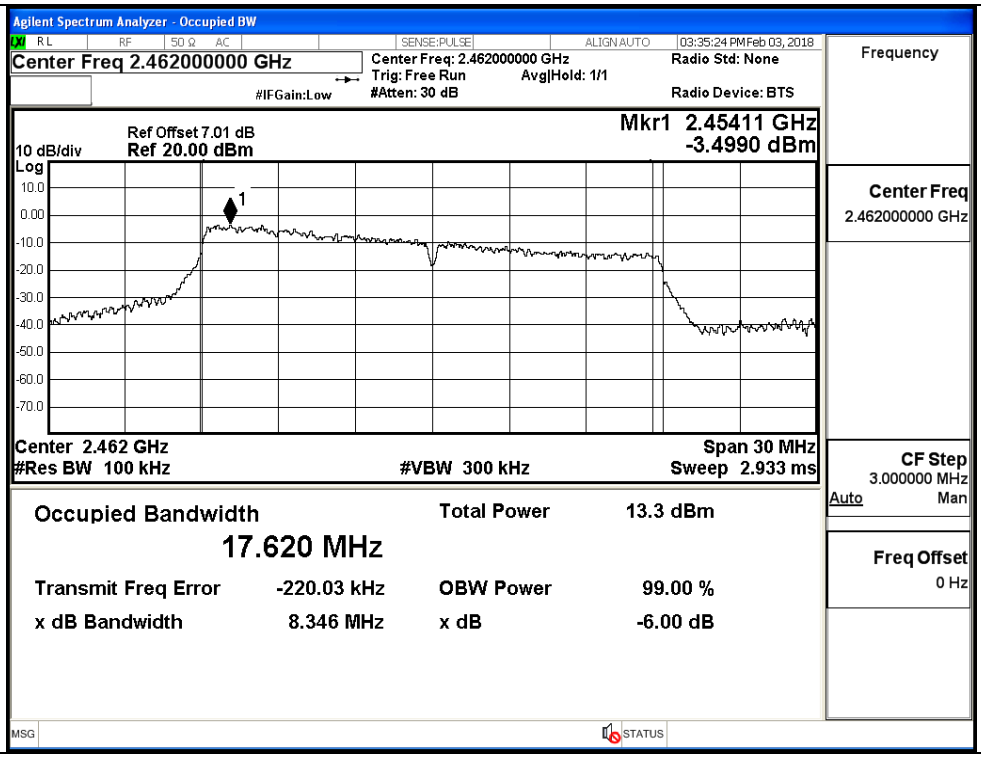
Test Graph

Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

11N20SISO/LCH		
11N20SISO/MCH		

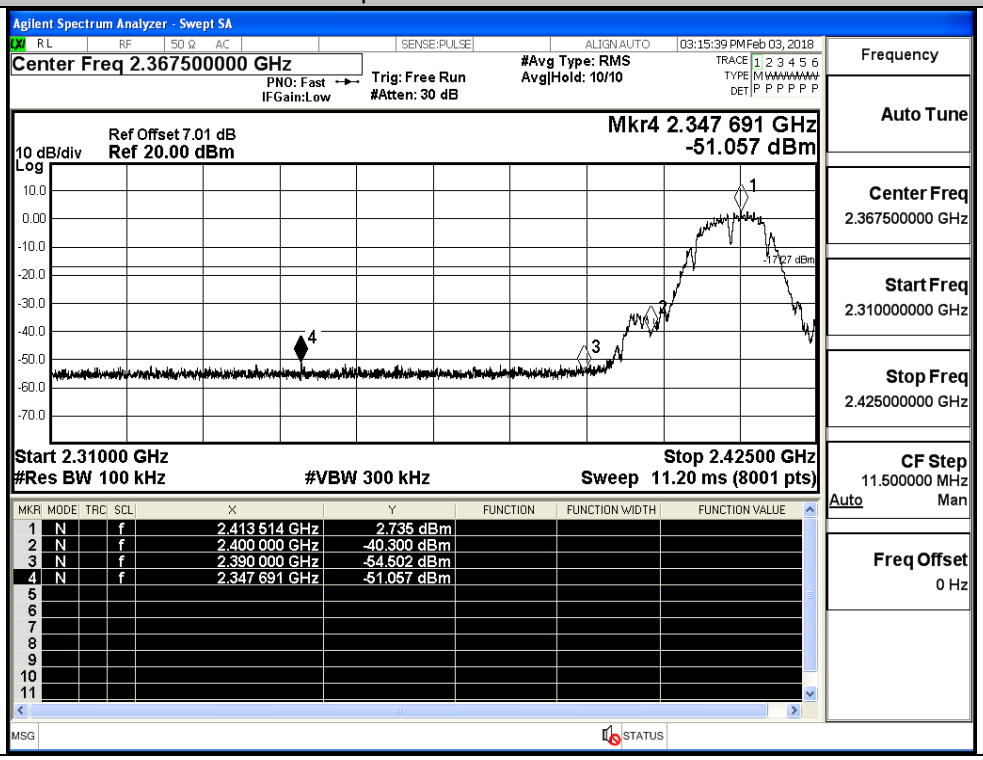
11N20SISO/HCH		

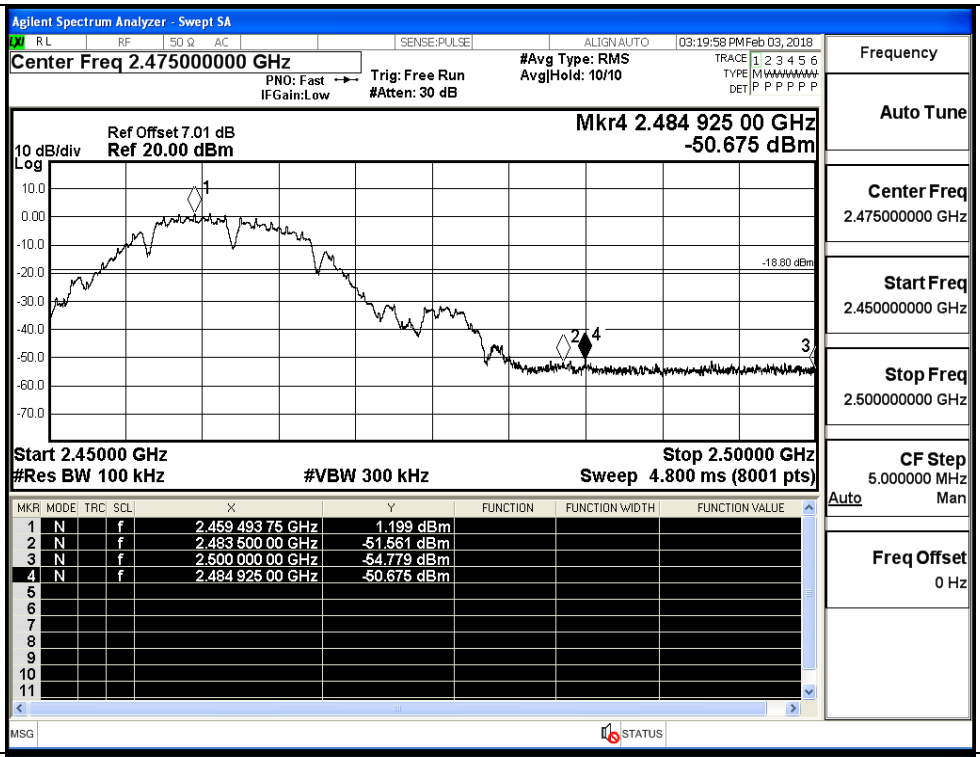
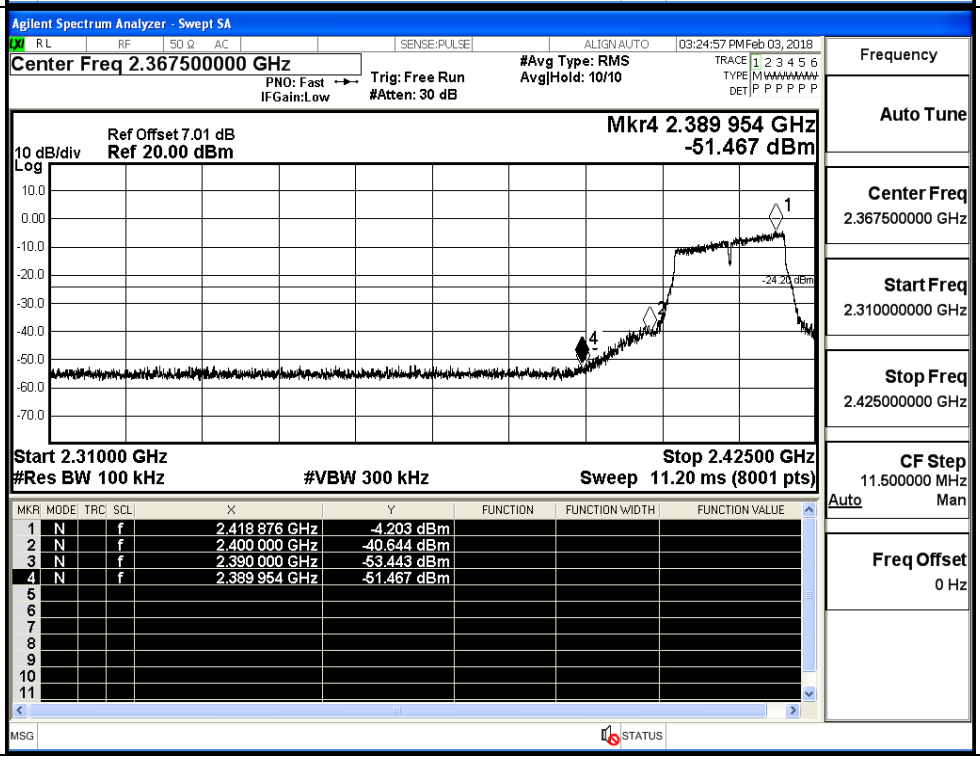
Section 3): Band-edge for RF Conducted Emissions

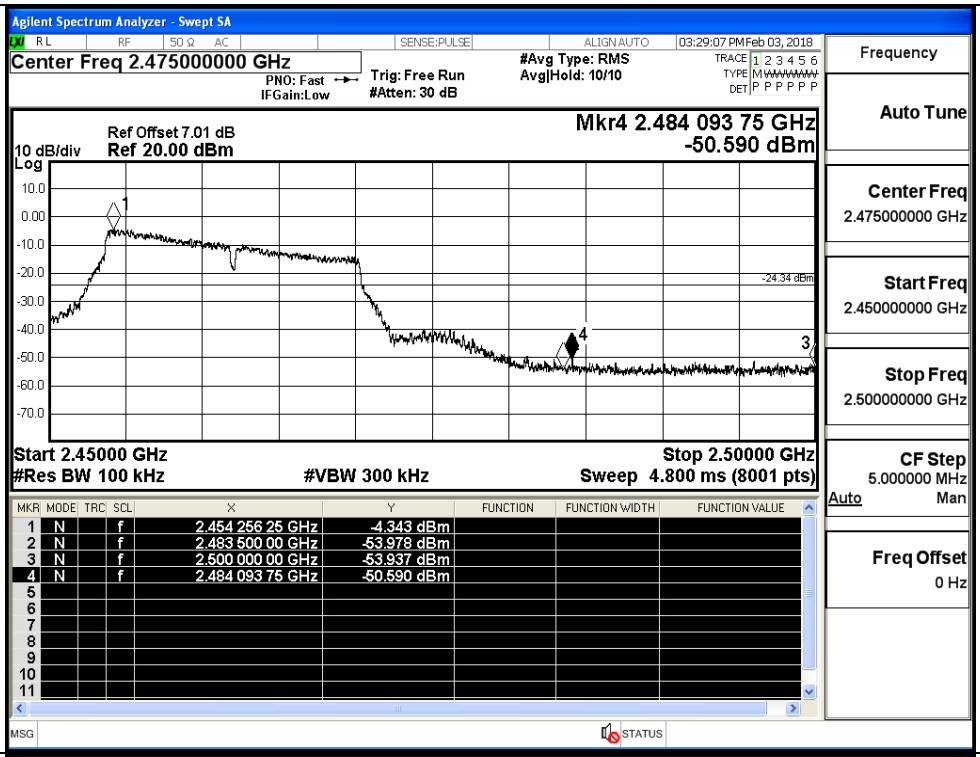
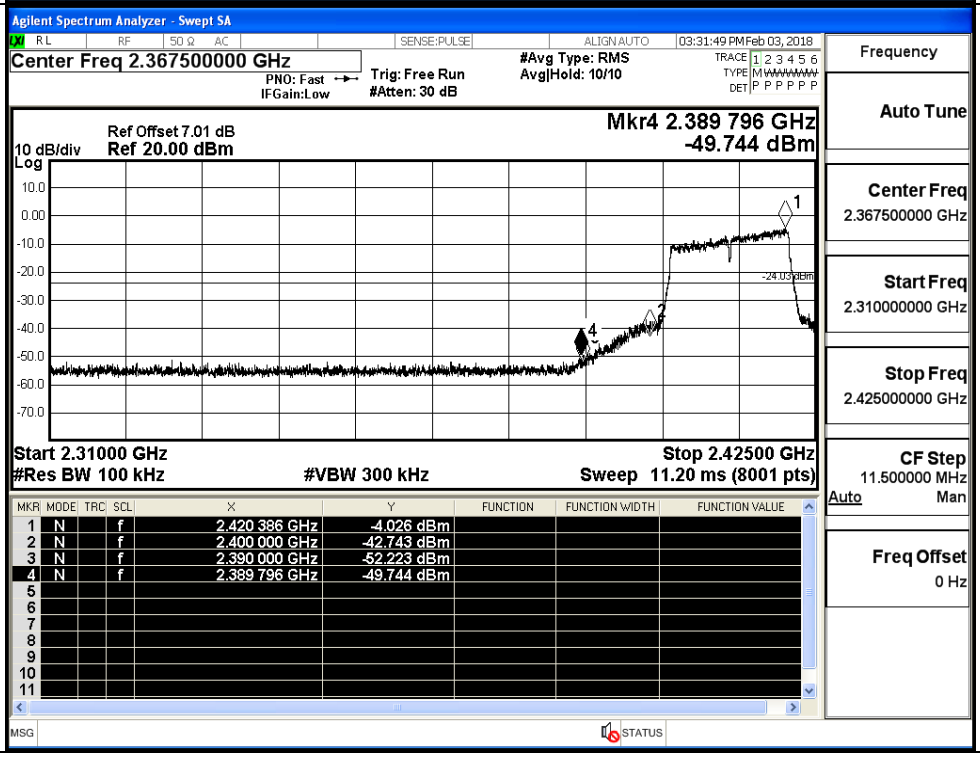
Result Table

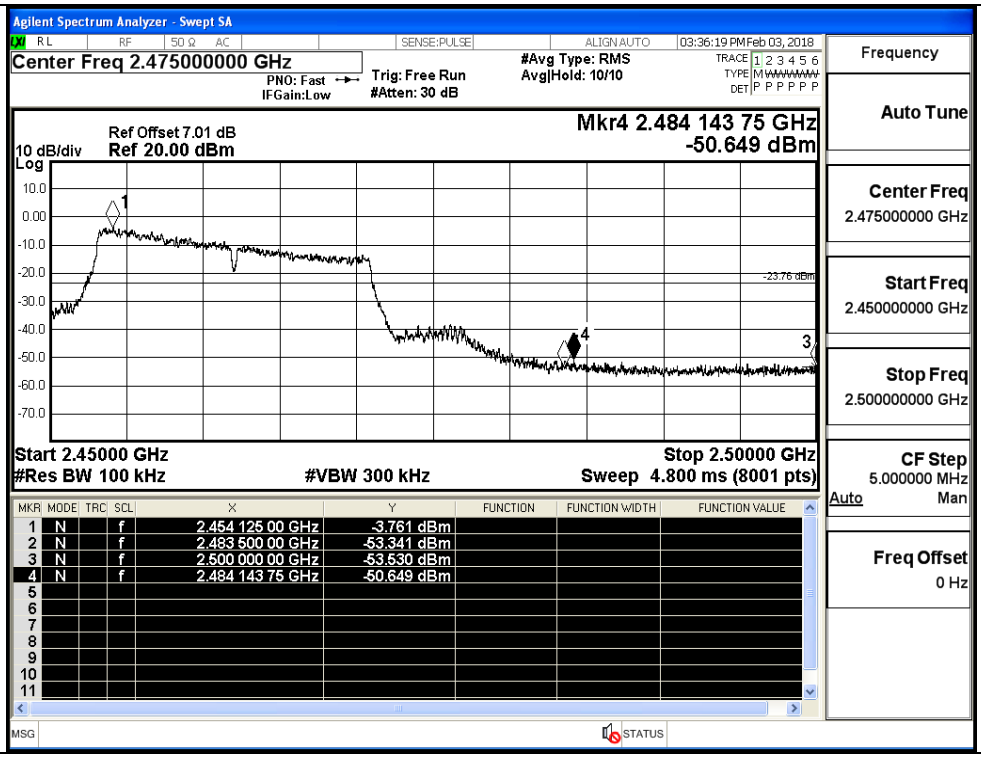
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.735	-51.057	-17.27	PASS
11B	HCH	1.199	-50.675	-18.8	PASS
11G	LCH	-4.203	-51.467	-24.2	PASS
11G	HCH	-4.343	-50.590	-24.34	PASS
11N20SISO	LCH	-4.026	-49.744	-24.03	PASS
11N20SISO	HCH	-3.761	-50.649	-23.76	PASS

Test Graph

Graphs	
11B/LCH	

11B/HCH		
11G/LCH		

11G/HCH		
11N20SISO/LCH		

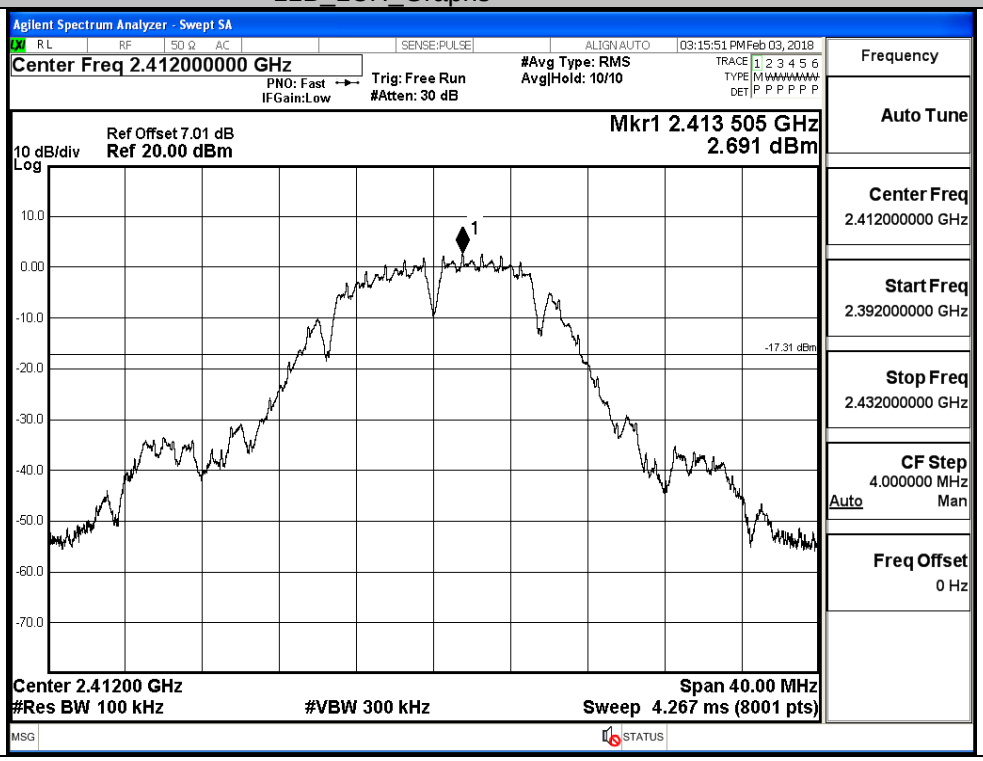
11N20SISO/HCH		

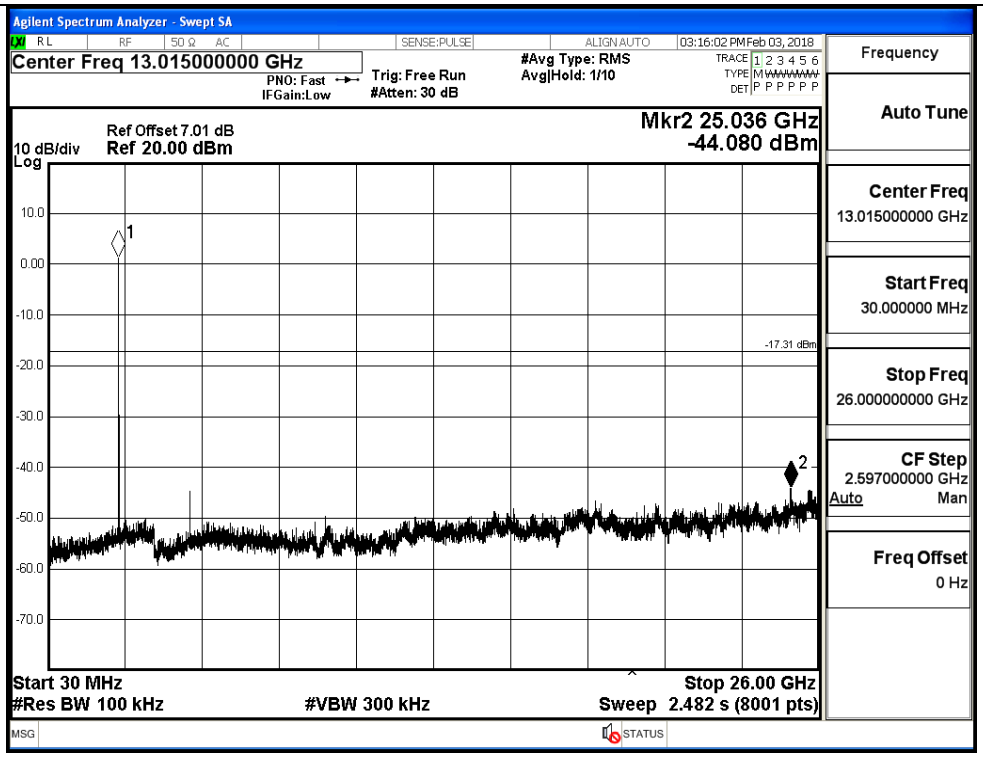
Section 4): RF Conducted Spurious Emissions

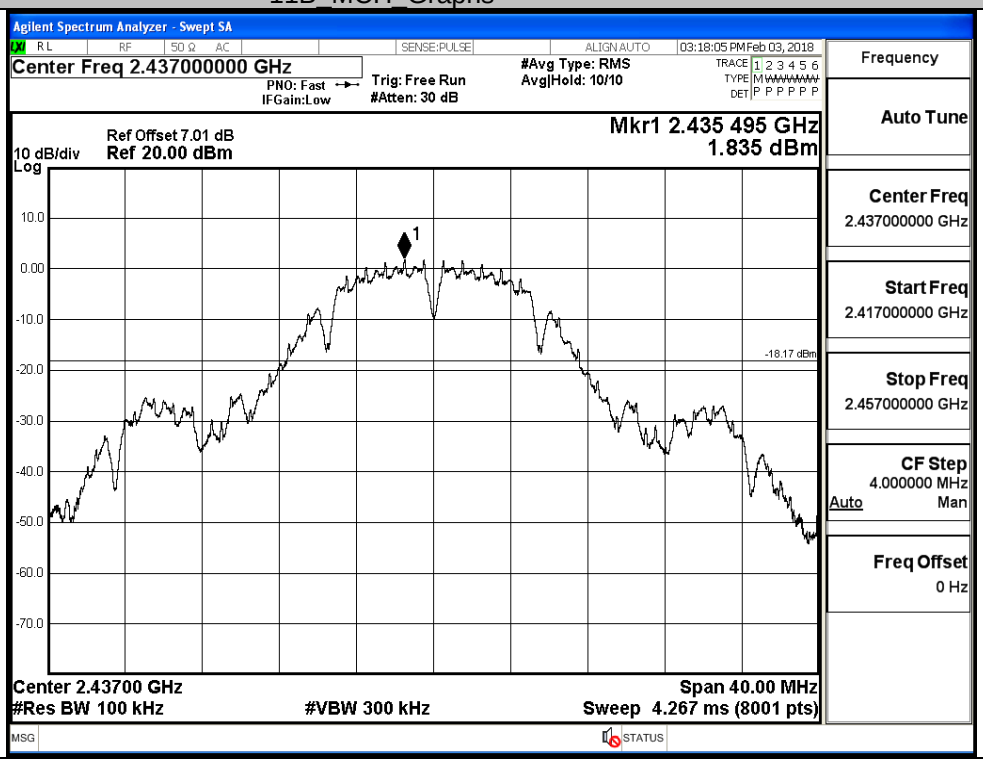
Result Table

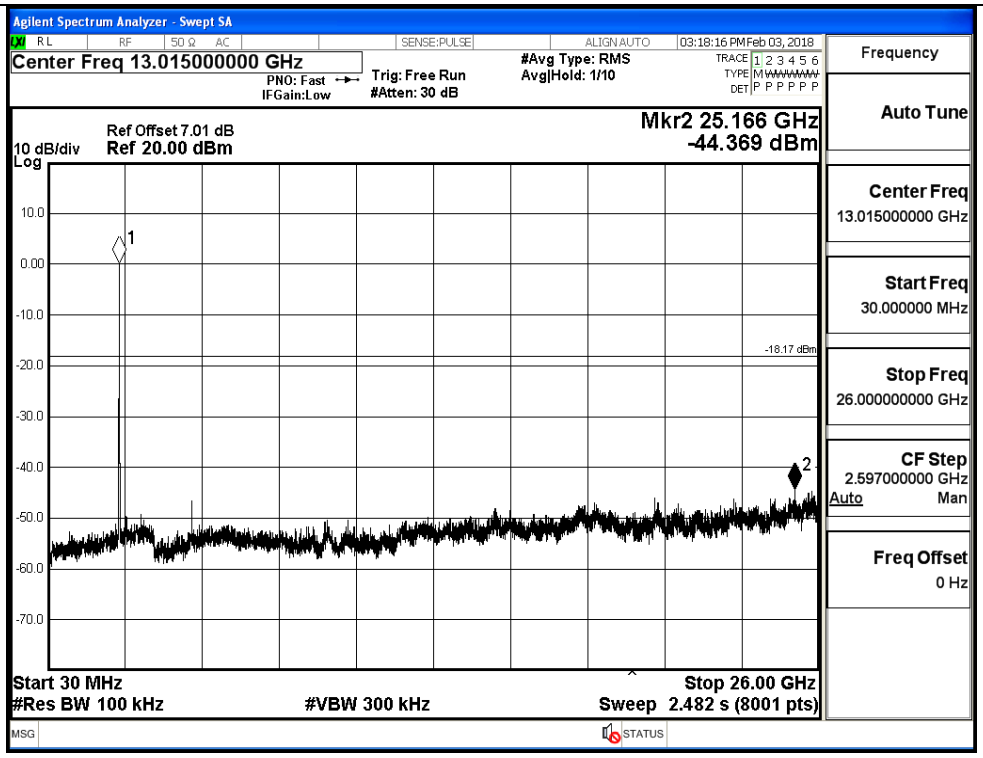
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	LCH	2.691	<Limit	PASS
11B	MCH	1.835	<Limit	PASS
11B	HCH	1.118	<Limit	PASS
11G	LCH	-4.304	<Limit	PASS
11G	MCH	-6.383	<Limit	PASS
11G	HCH	-4.378	<Limit	PASS
11N20SISO	LCH	-4.118	<Limit	PASS
11N20SISO	MCH	-6.48	<Limit	PASS
11N20SISO	HCH	-3.659	<Limit	PASS

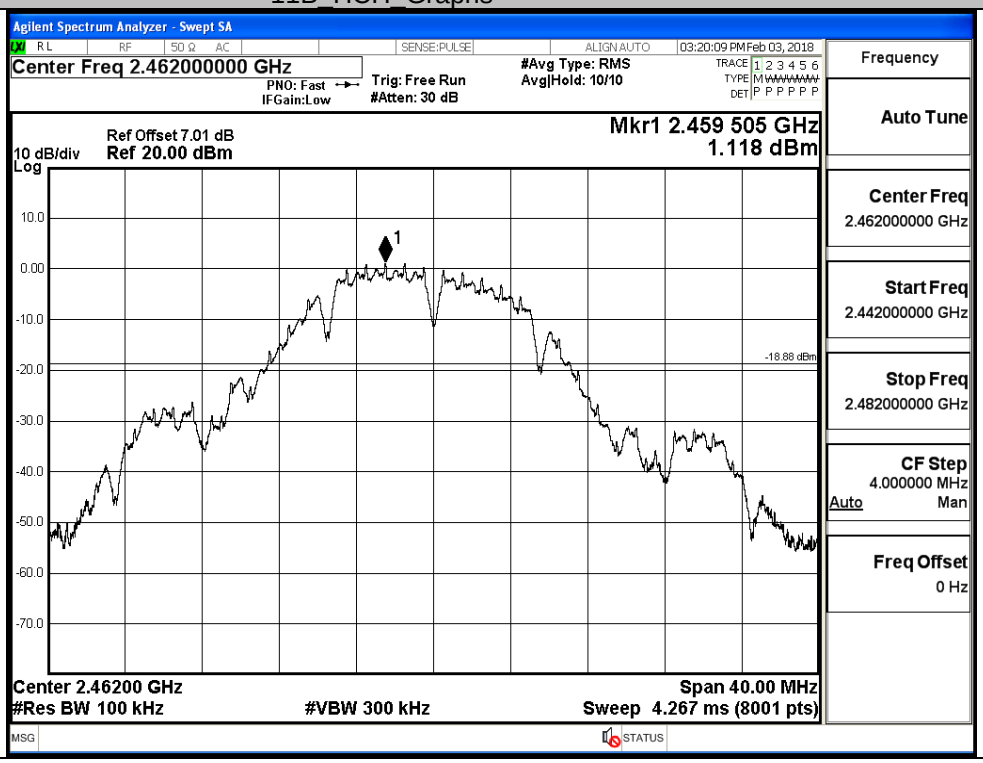
Test Graph

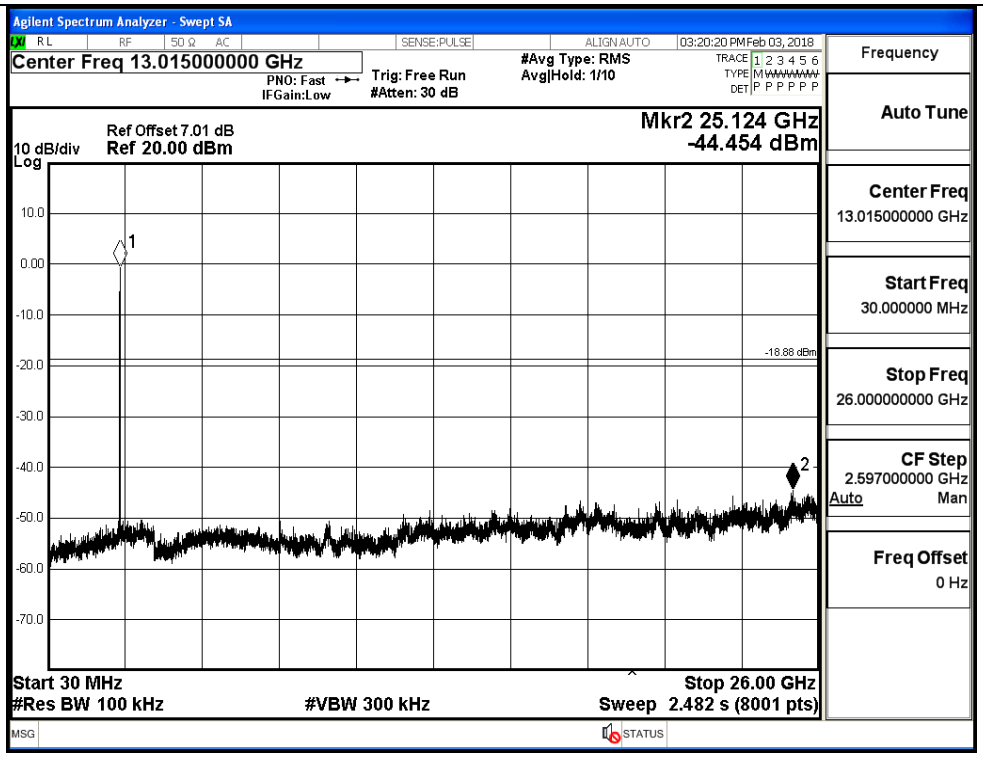
11B_LCH_Graphs	
Pref/11B/LCH	

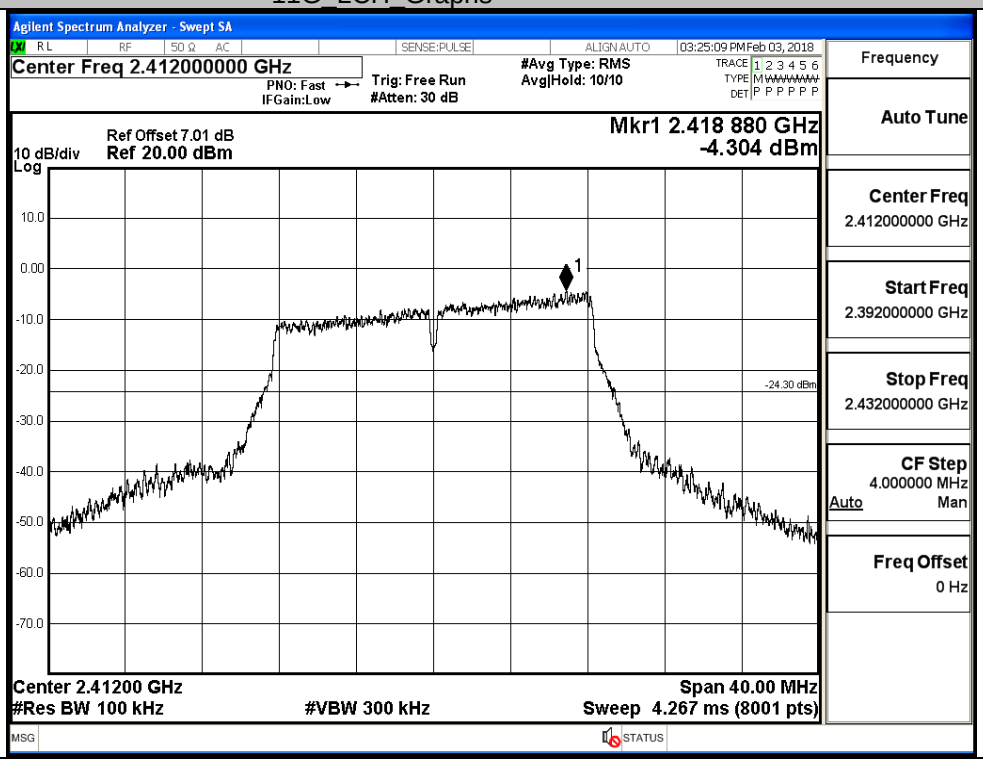
Puw/11B/LCH	

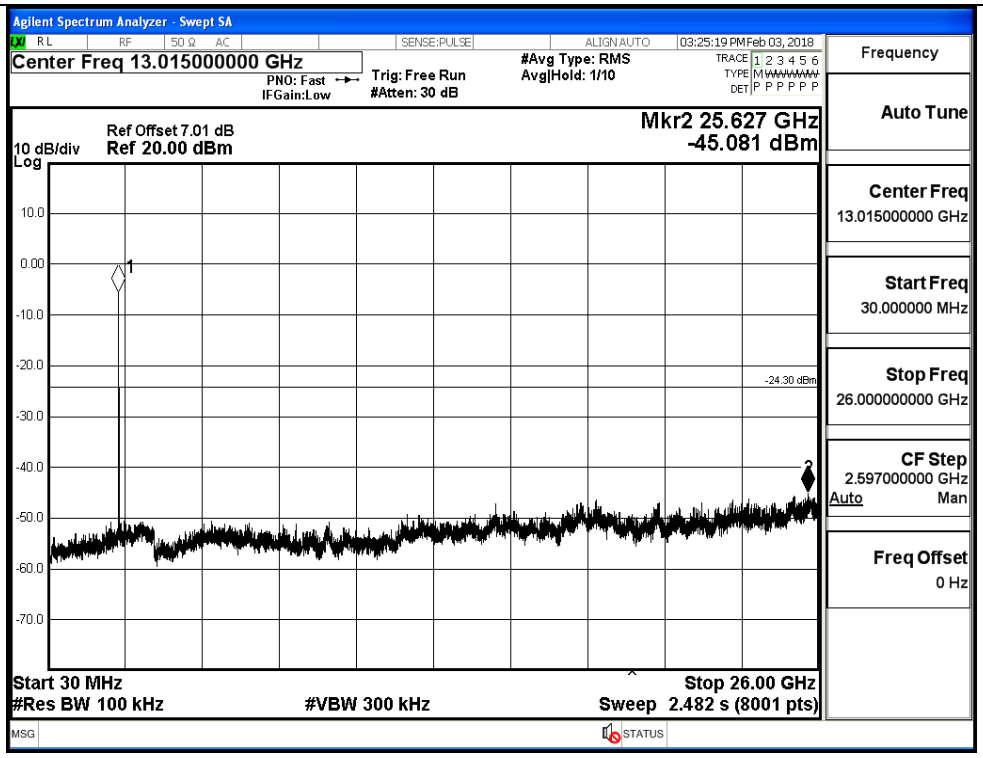
11B_MCH_Graphs	
Pref/11B/MCH	

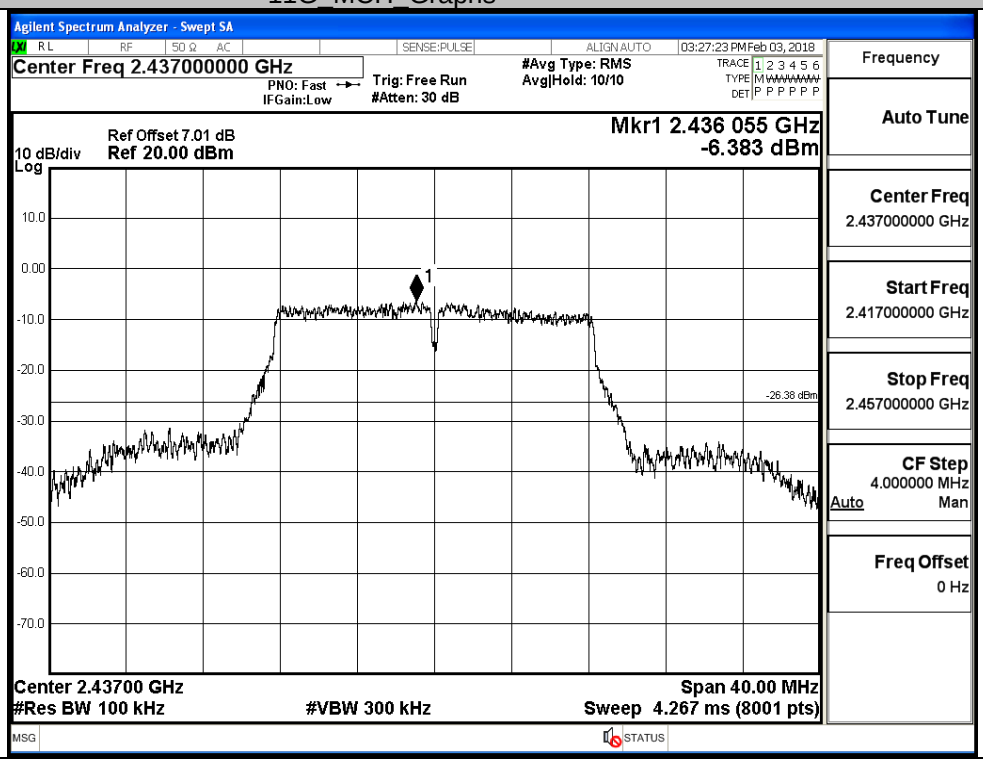
Puw/11B/MCH	

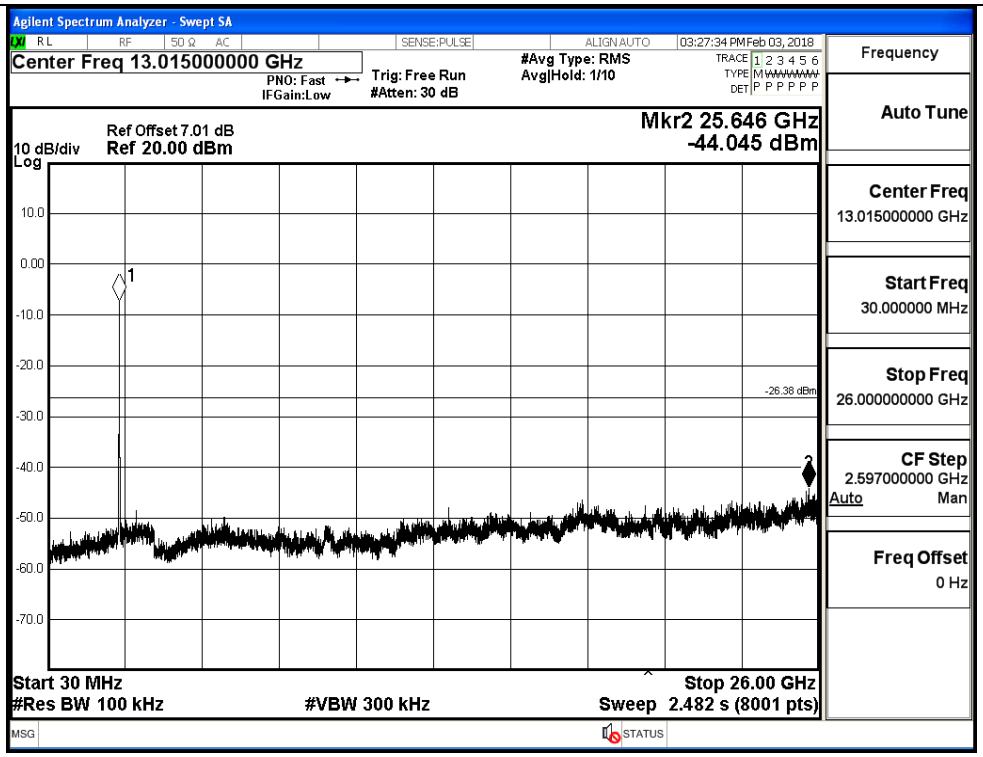
11B_HCH_Graphs	
Pref/11B/HCH	

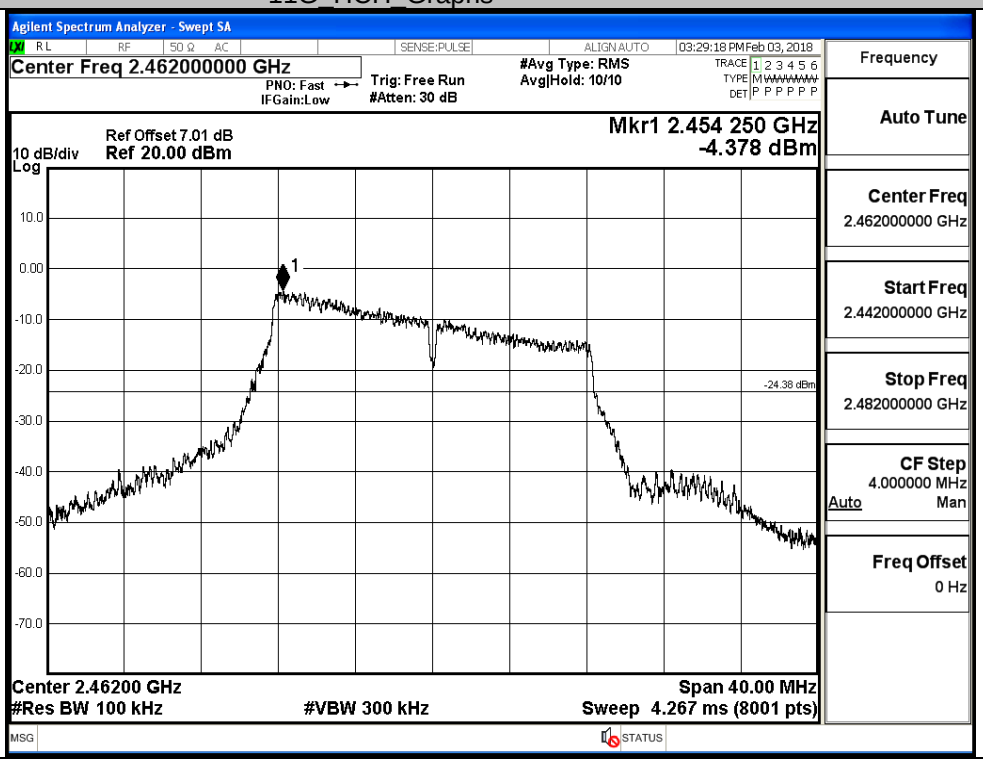
Puw/11B/HCH	

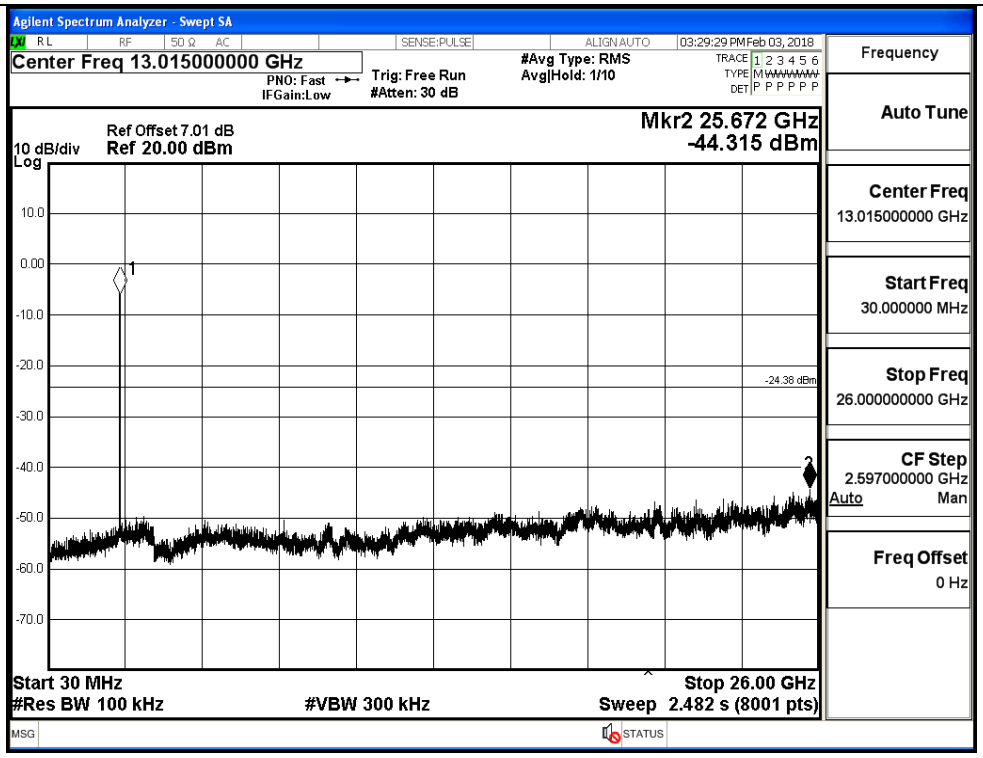
11G_LCH_Graphs	
Pref/11G/LCH	

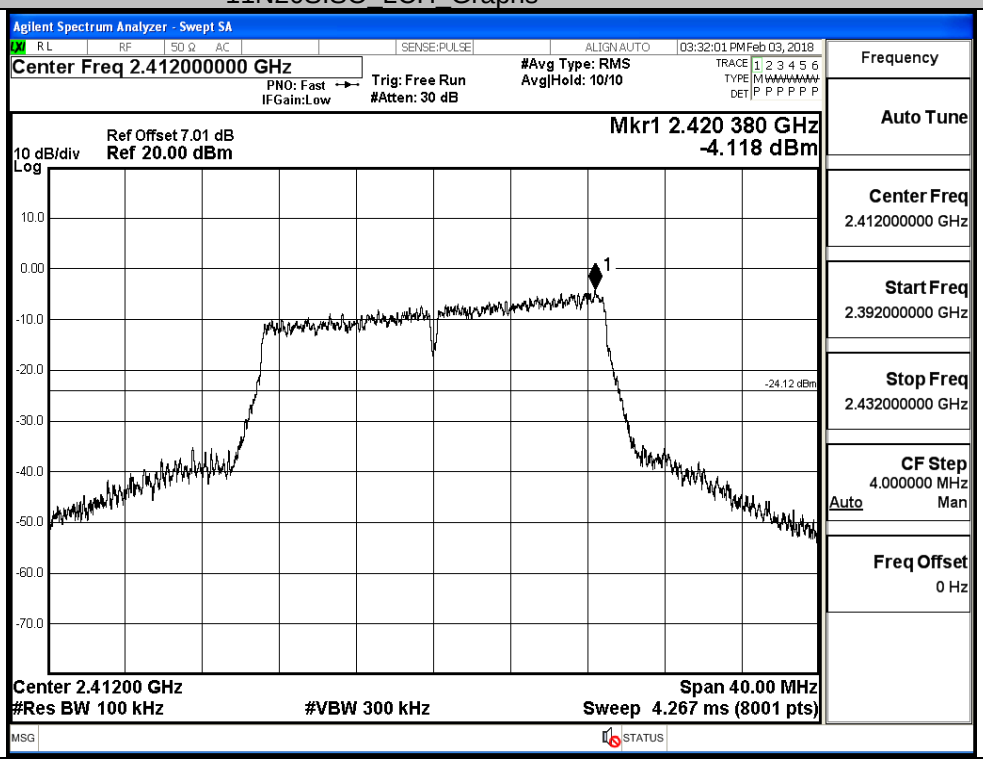
Puw/11G/LCH	

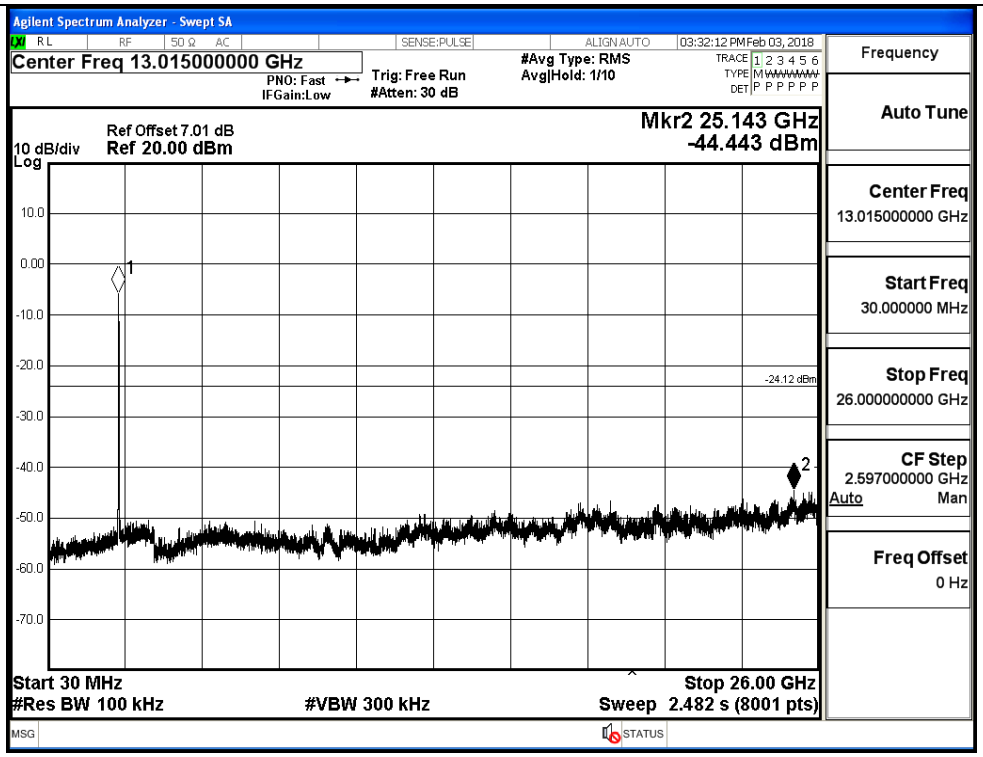
11G_MCH_Graphs	
Pref/11G/MCH	

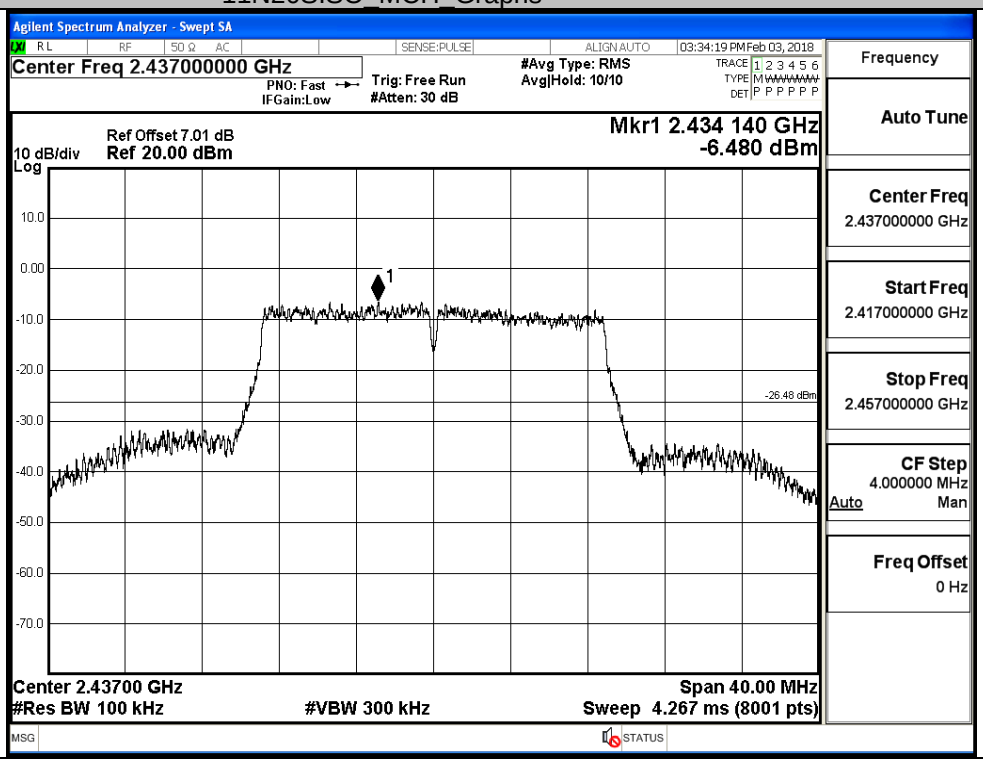
Puw/11G/MCH	

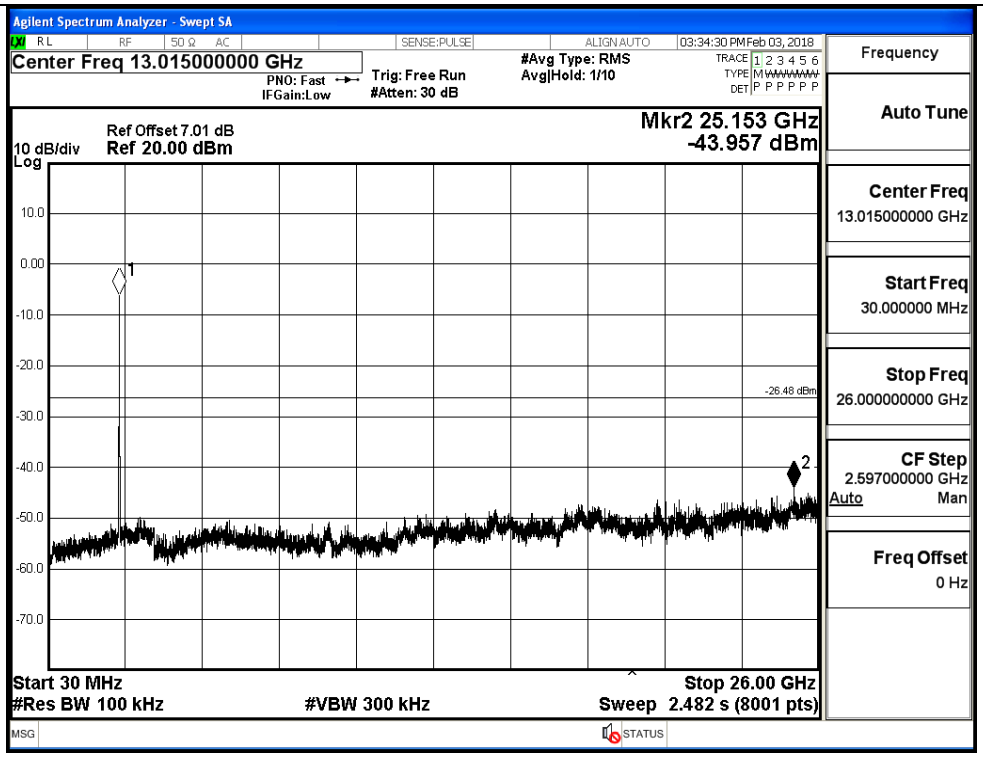
11G_HCH_Graphs	
Pref/11G/HCH	

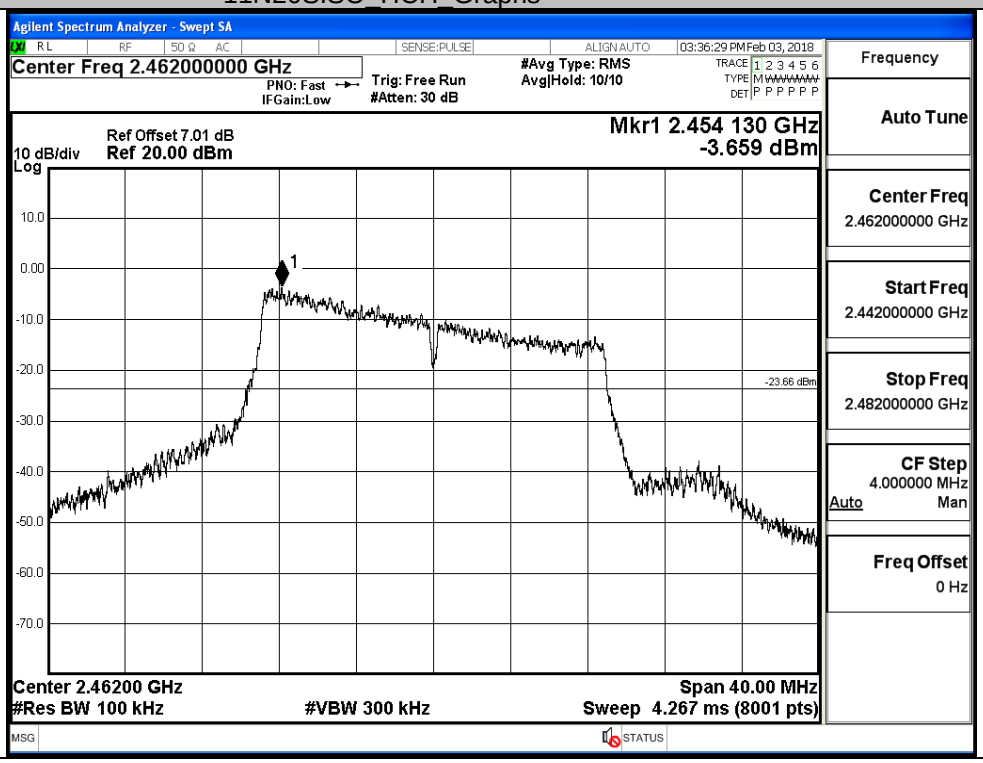
Puw/11G/HCH	

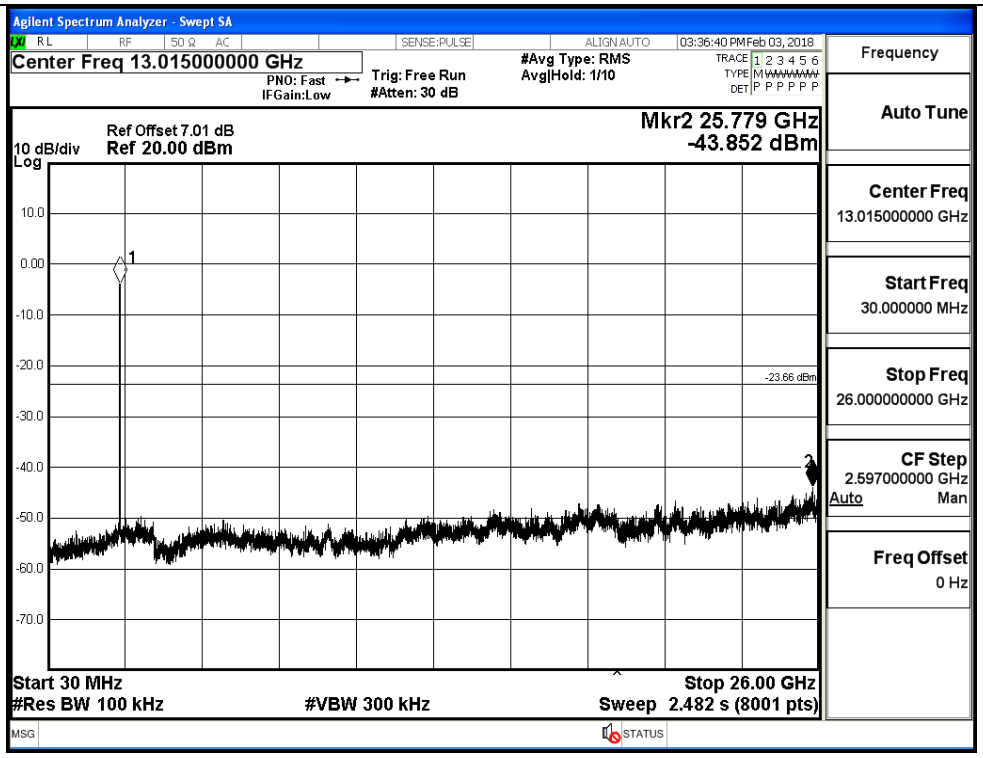
11N20SISO_LCH_Graphs	
Pref/11N20SISO/LCH	

/11N20SISO/LCH	

11N20SISO_MCH_Graphs	
Pref/11N20SISO/MCH	

Puw/11N20SISO/MCH	

11N20SISO_HCH_Graphs	
Pref/11N20SISO/HCH	

Puw/11N20SISO/HCH	

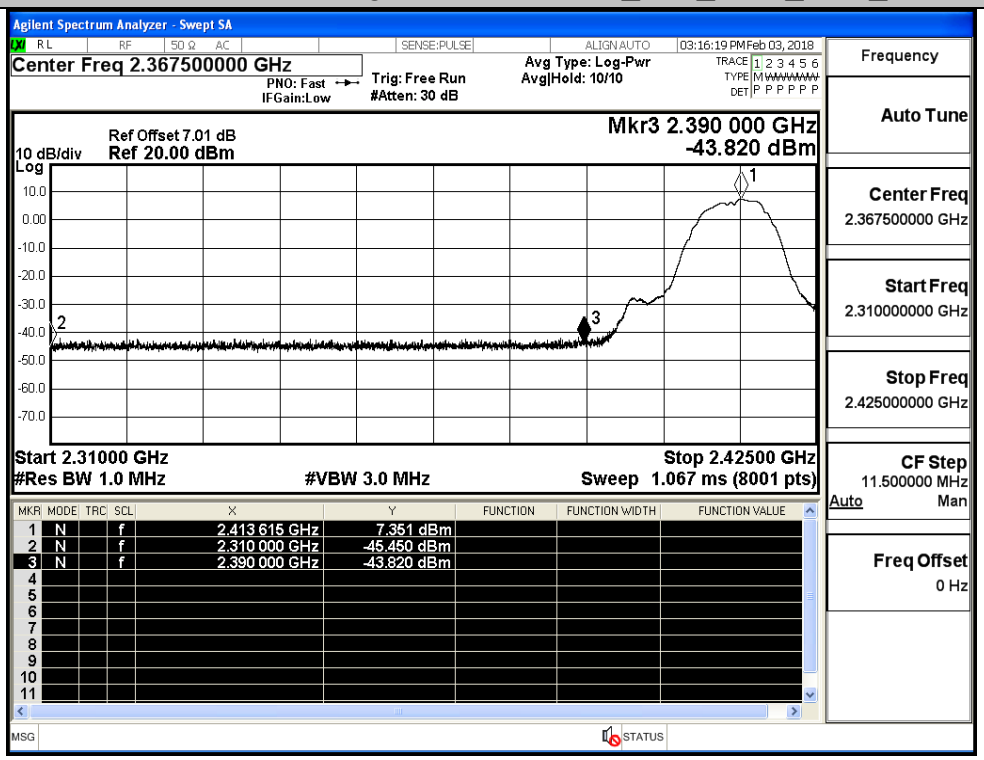
Section 5):Restrict-band band-edge measurements

Result Table

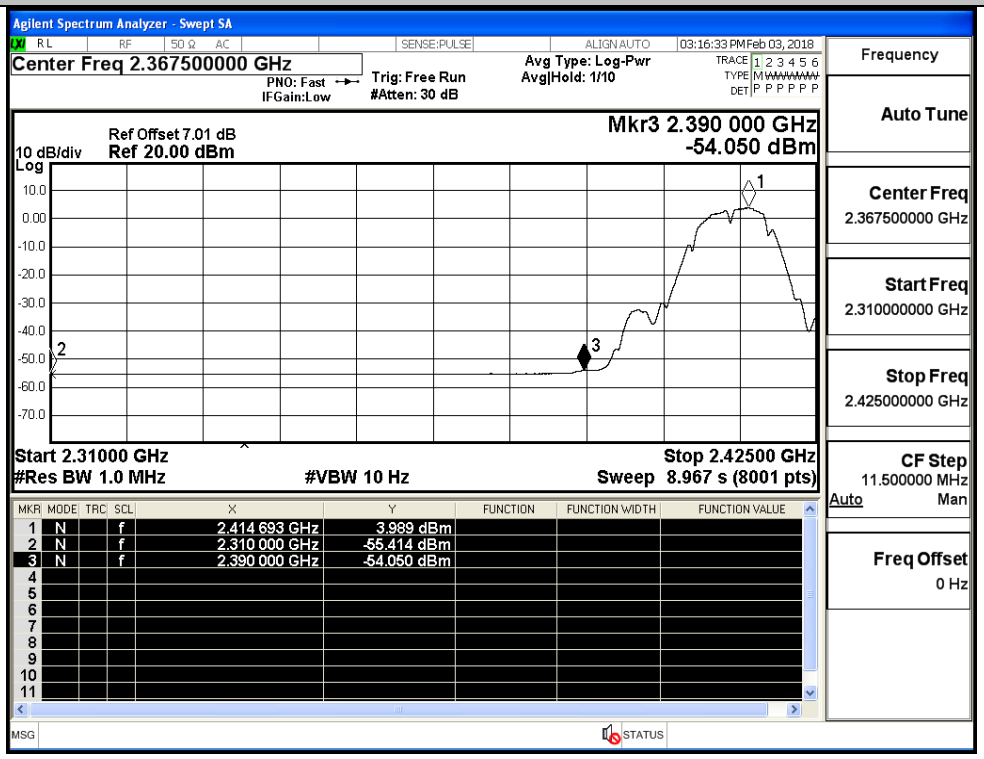
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-45.45	2	0	49.81	PEAK	74	PASS
11B	2412	Ant1	2310.0	-55.41	2	0	39.84	AV	54	PASS
11B	2412	Ant1	2390.0	-43.82	2	0	51.44	PEAK	74	PASS
11B	2412	Ant1	2390.0	-54.05	2	0	41.21	AV	54	PASS
11B	2462	Ant1	2483.5	-44.07	2	0	51.19	PEAK	74	PASS
11B	2462	Ant1	2483.5	-53.61	2	0	41.64	AV	54	PASS
11B	2462	Ant1	2500.0	-42.44	2	0	52.82	PEAK	74	PASS
11B	2462	Ant1	2500.0	-54.82	2	0	40.44	AV	54	PASS
11G	2412	Ant1	2310.0	-45.63	2	0	49.63	PEAK	74	PASS
11G	2412	Ant1	2310.0	-55.40	2	0	39.86	AV	54	PASS
11G	2412	Ant1	2390.0	-44.04	2	0	51.22	PEAK	74	PASS
11G	2412	Ant1	2390.0	-53.83	2	0	41.42	AV	54	PASS
11G	2462	Ant1	2483.5	-43.30	2	0	51.96	PEAK	74	PASS
11G	2462	Ant1	2483.5	-54.06	2	0	41.20	AV	54	PASS
11G	2462	Ant1	2500.0	-44.66	2	0	50.59	PEAK	74	PASS
11G	2462	Ant1	2500.0	-54.79	2	0	40.47	AV	54	PASS
11N20SISO	2412	Ant1	2310.0	-43.41	2	0	51.85	PEAK	74	PASS
11N20SISO	2412	Ant1	2310.0	-55.42	2	0	39.83	AV	54	PASS
11N20SISO	2412	Ant1	2390.0	-39.07	2	0	56.19	PEAK	74	PASS
11N20SISO	2412	Ant1	2390.0	-53.07	2	0	42.19	AV	54	PASS
11N20SISO	2462	Ant1	2483.5	-41.97	2	0	53.29	PEAK	74	PASS
11N20SISO	2462	Ant1	2483.5	-53.66	2	0	41.60	AV	54	PASS
11N20SISO	2462	Ant1	2500.0	-45.04	2	0	50.22	PEAK	74	PASS
11N20SISO	2462	Ant1	2500.0	-54.86	2	0	40.40	AV	54	PASS

Test Graph

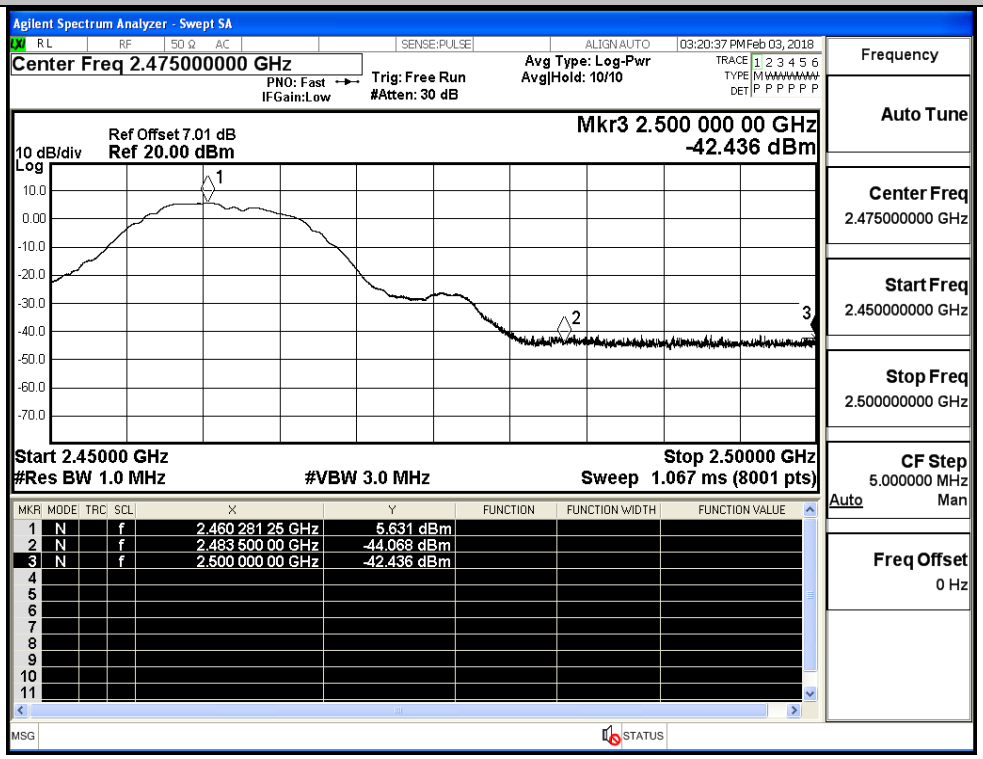
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



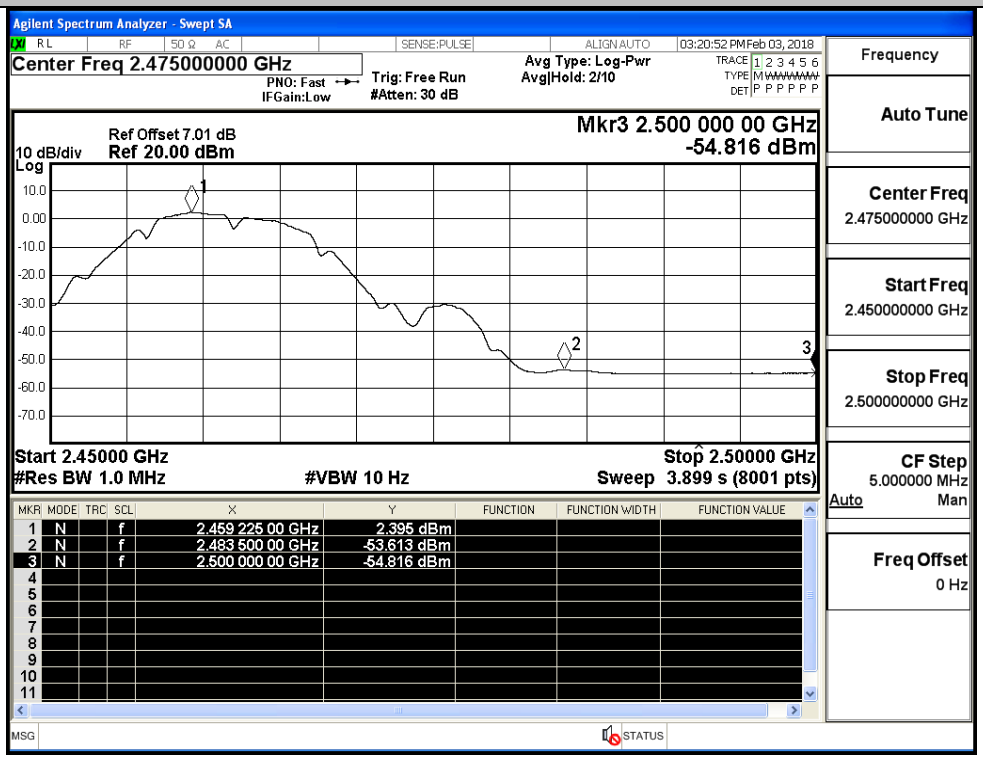
Restrict-band band-edge measurements_11B_2412_Ant1_AV



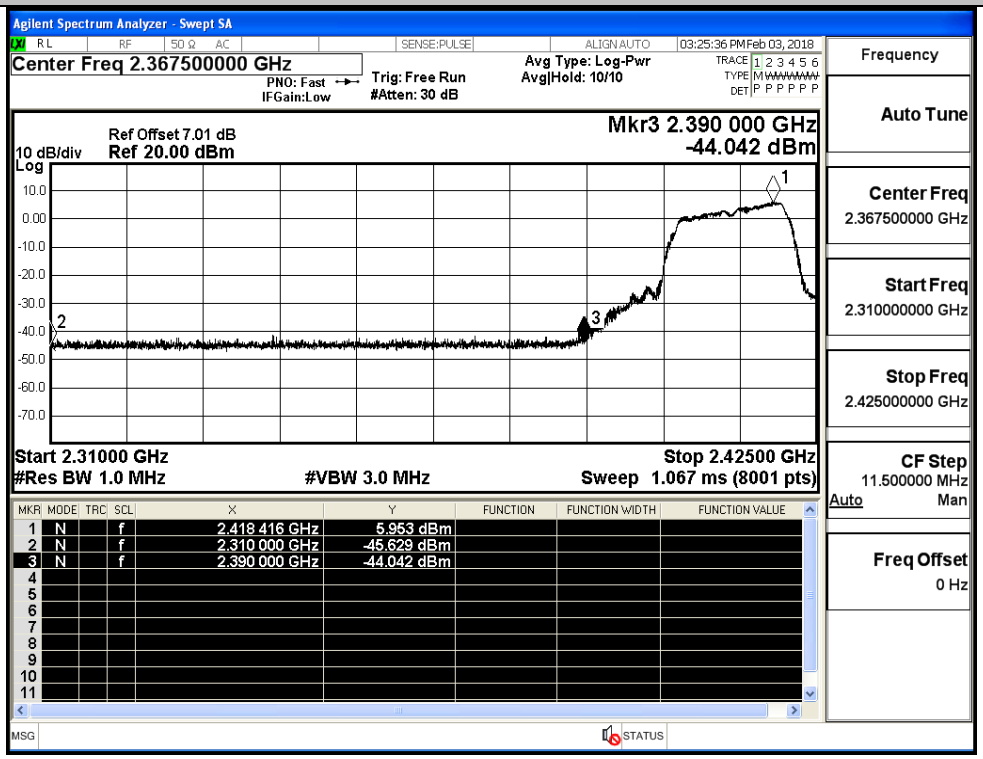
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



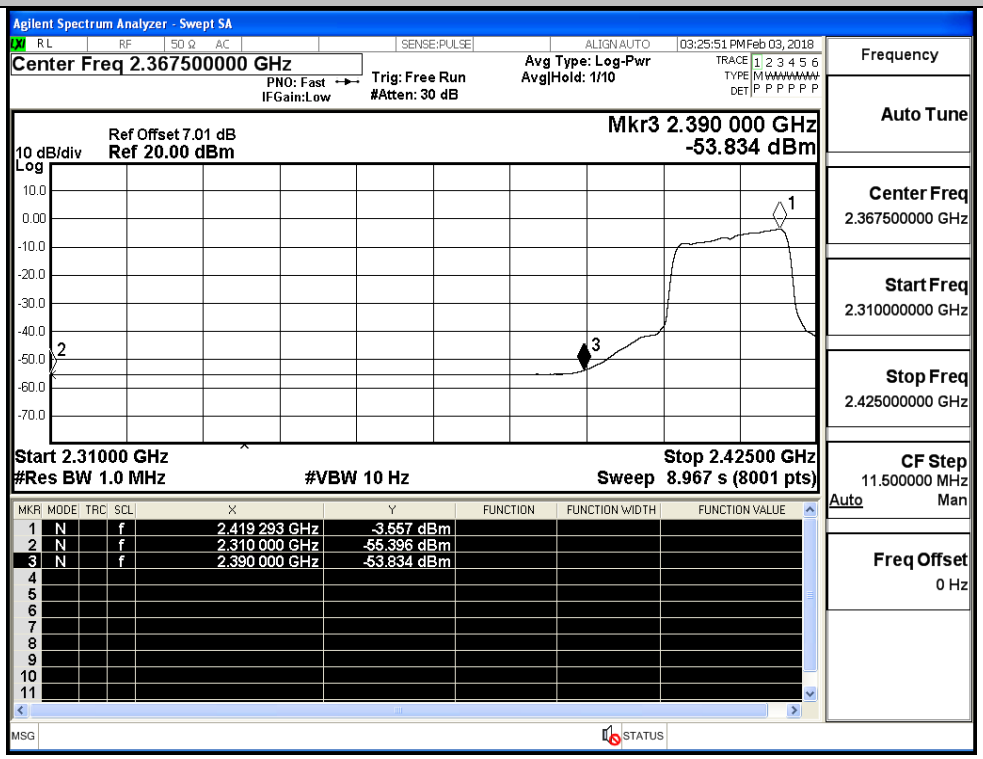
Restrict-band band-edge measurements_11B_2462_Ant1_AV



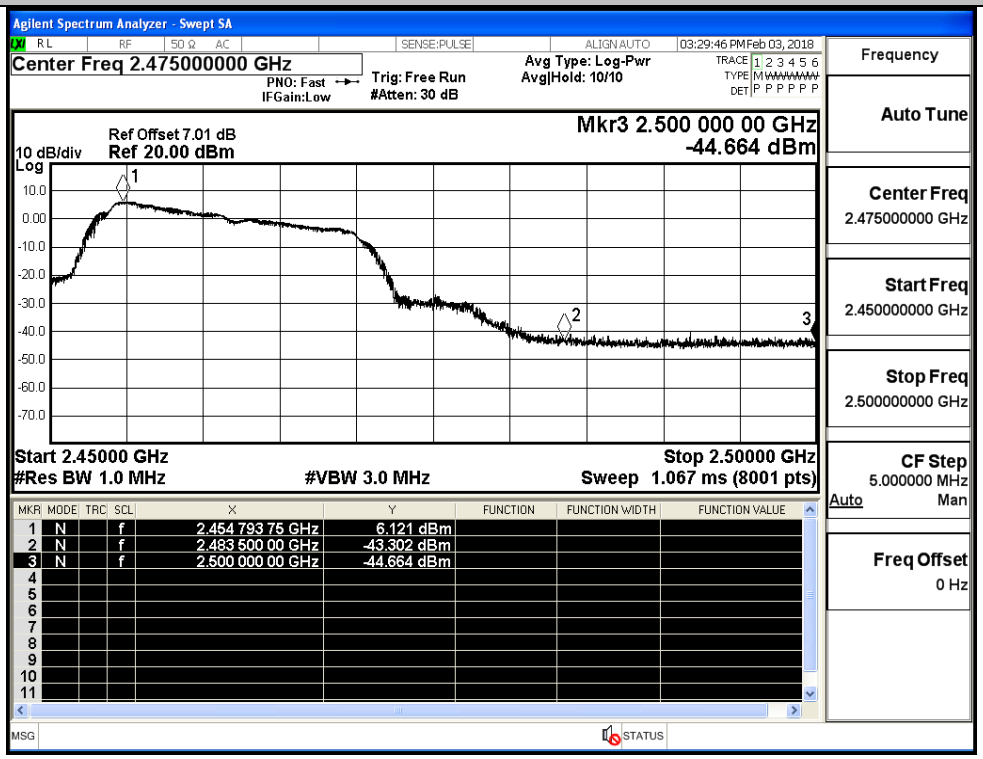
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



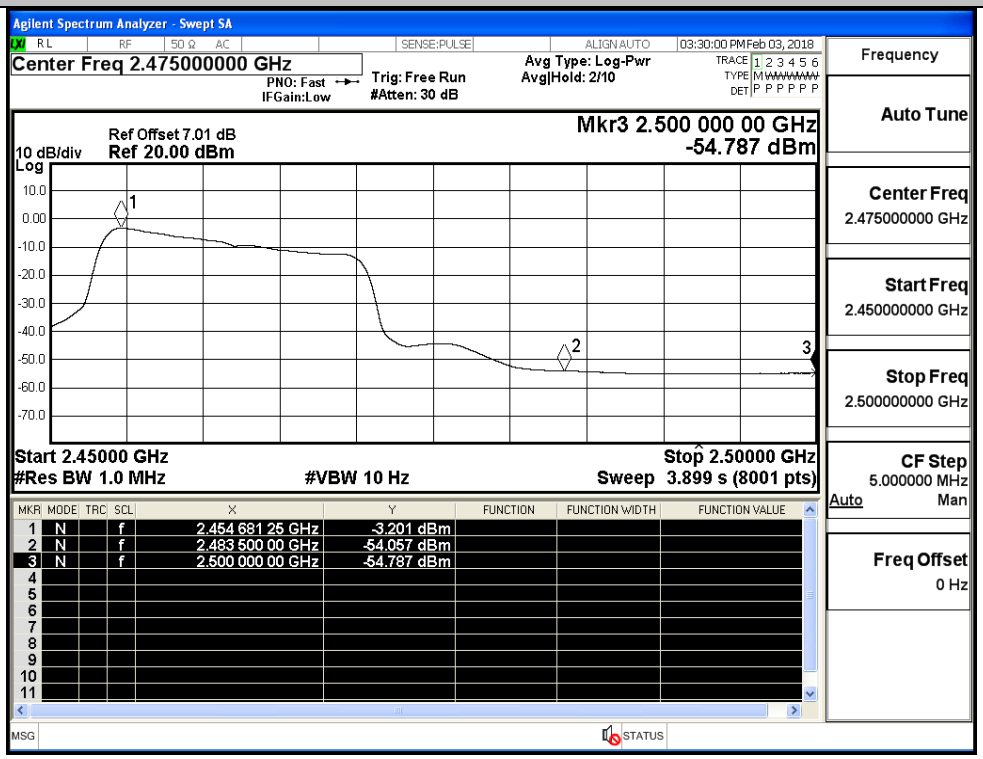
Restrict-band band-edge measurements_11G_2412_Ant1_AV



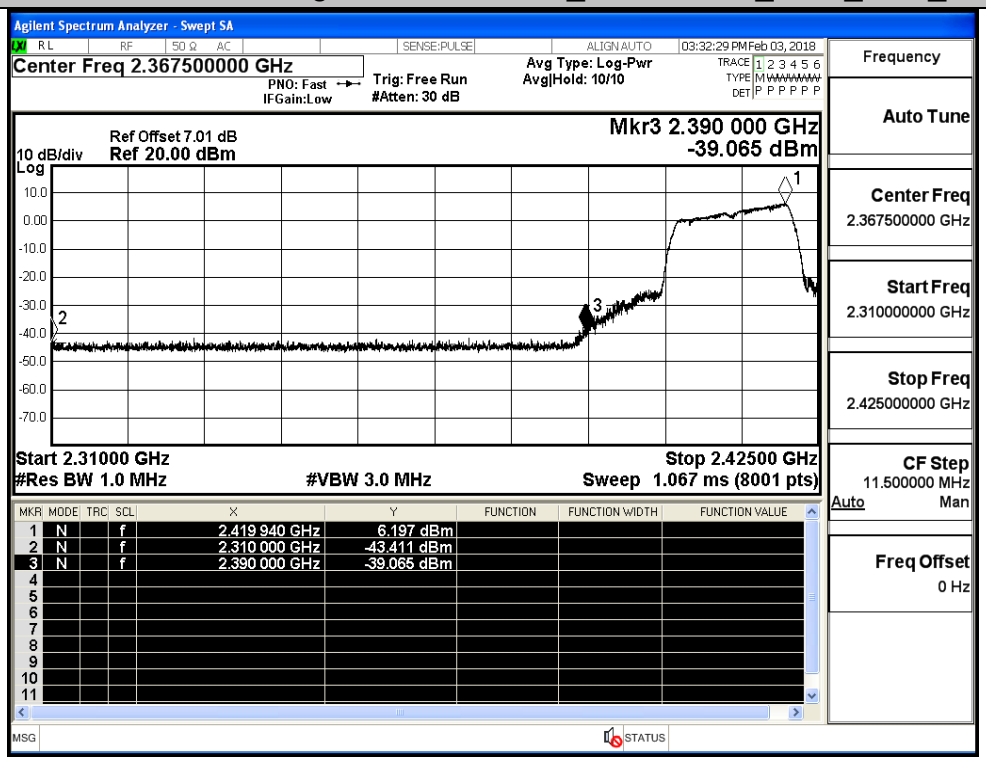
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



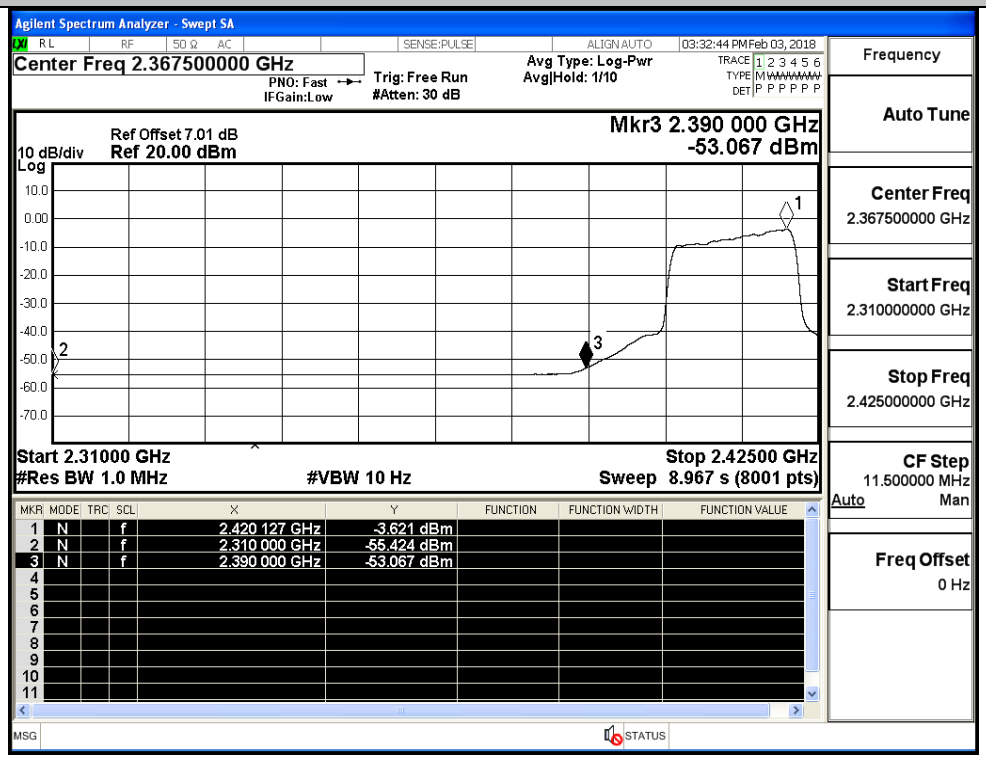
Restrict-band band-edge measurements_11G_2462_Ant1_AV



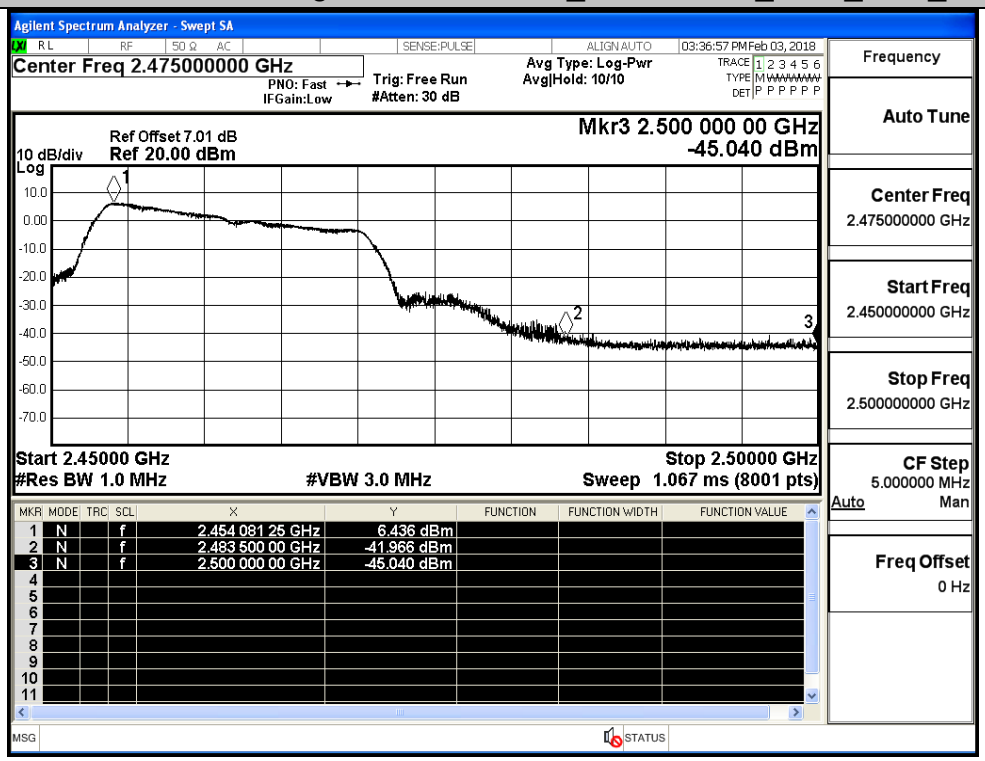
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



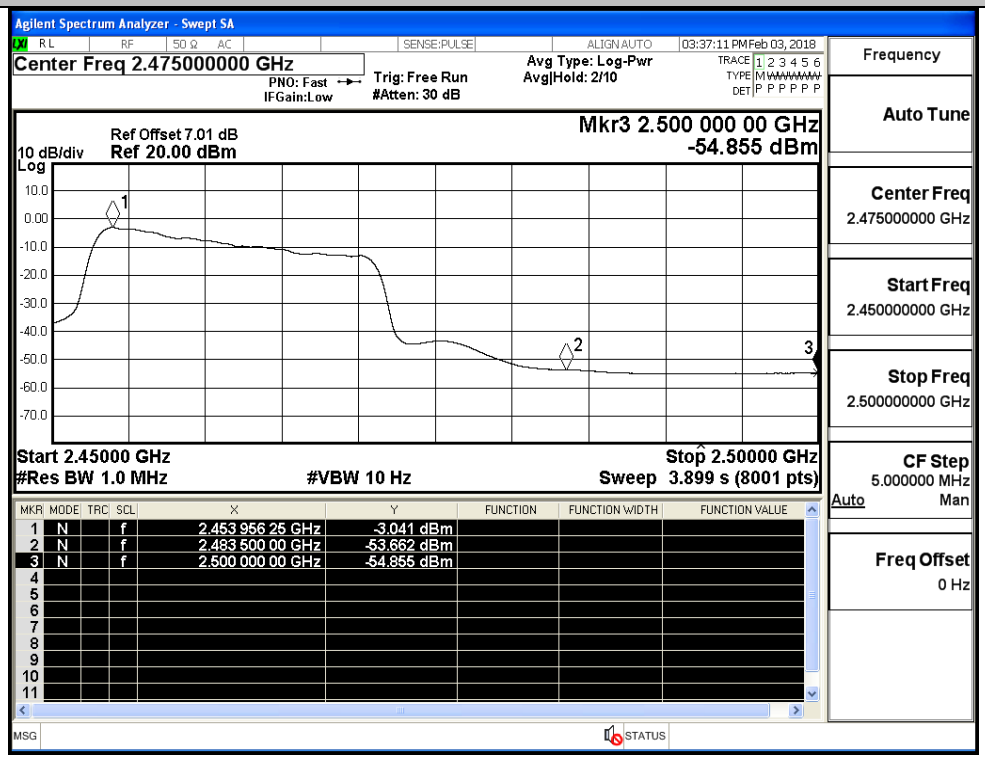
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



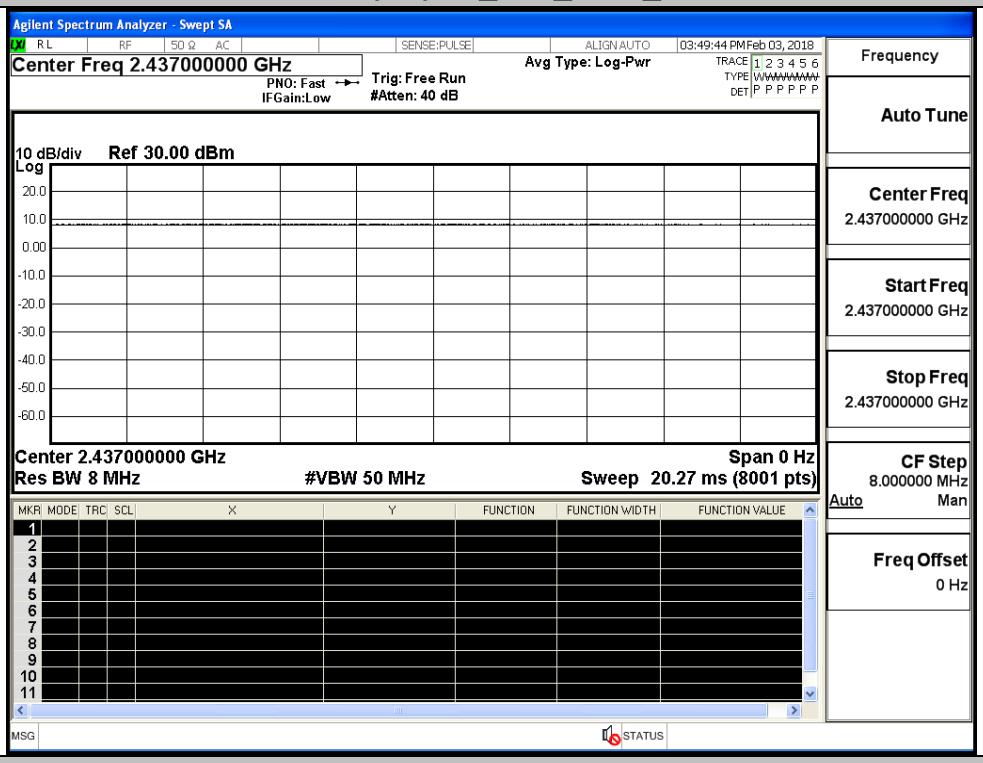
Section G):Duty Cycle

Result Table

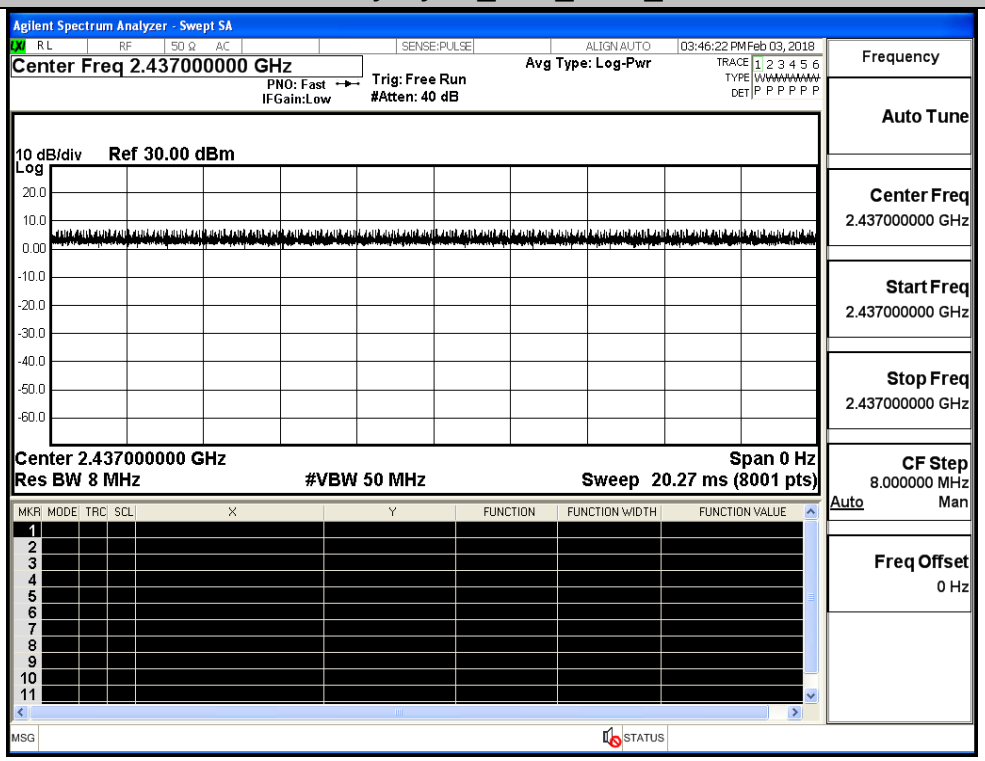
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS

Test Graph

Duty Cycle_11B_2437_Ant1



Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1