Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: VoCore2

Trade Mark: VoCore

Test Model: VoCore2

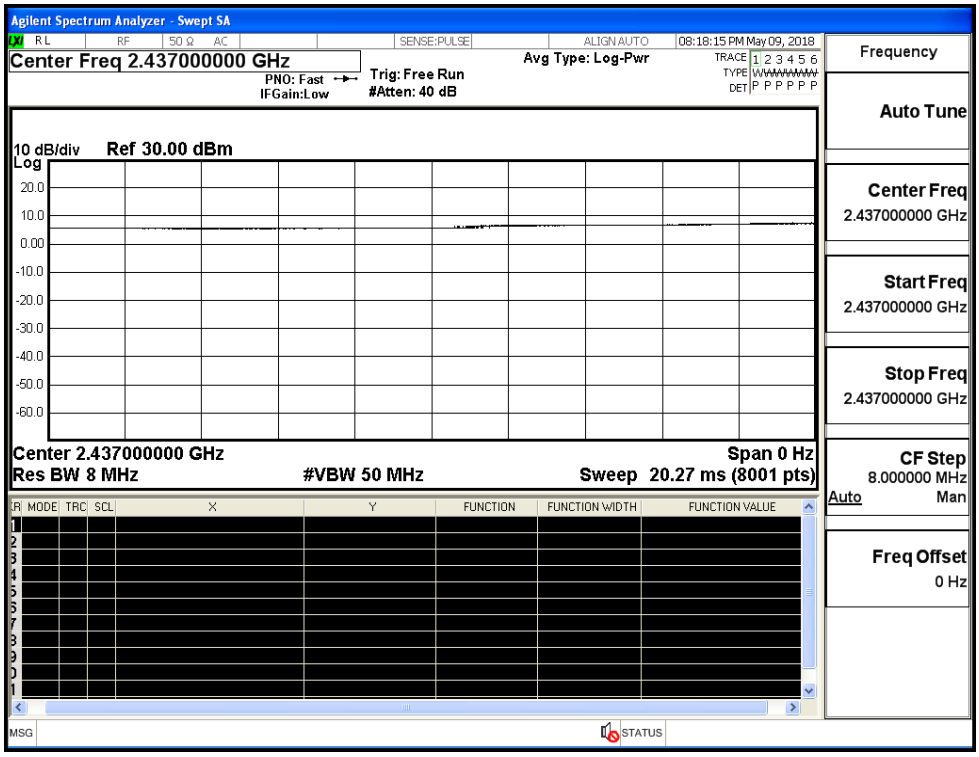
Environmental Conditions

Temperature:	21.6 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden.Zhuo

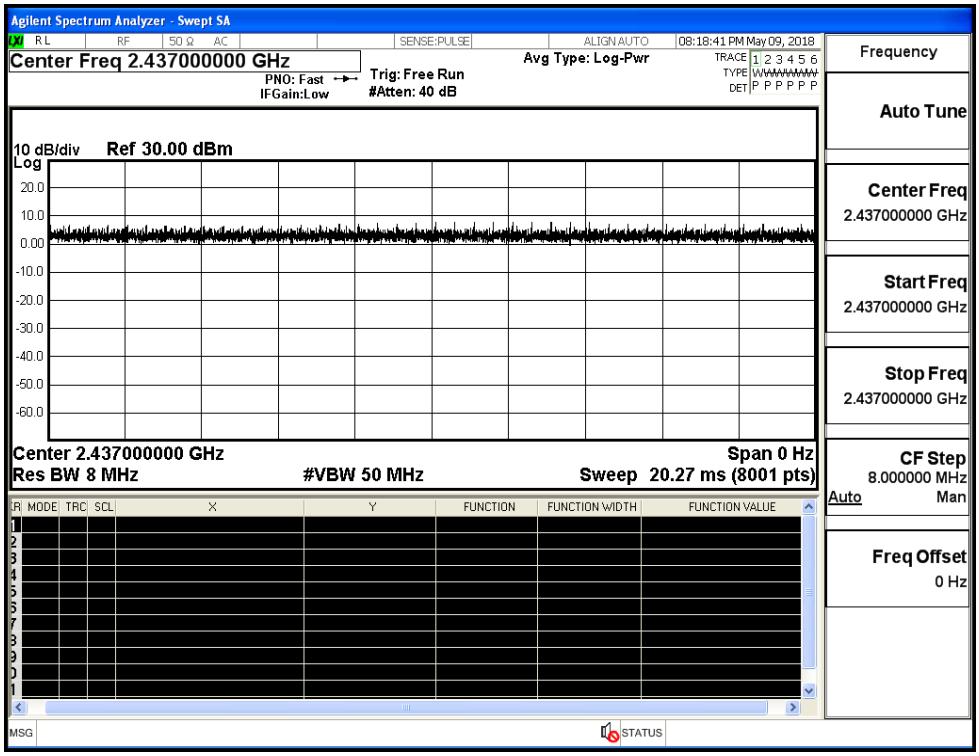
A.1 Duty Cycle

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
11B	2437	Ant2	100	PASS
11G	2437	Ant2	100	PASS
11N20SISO	2437	Ant2	100	PASS
11N40SISO	2437	Ant2	100	PASS

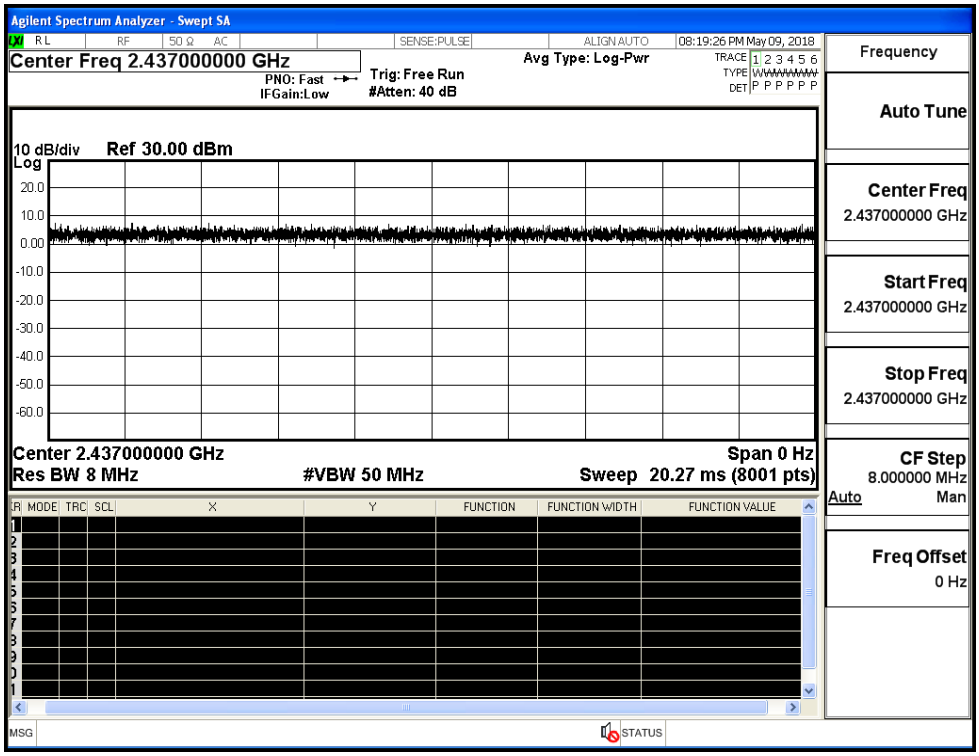
Duty Cycle_11B_2437_Ant1



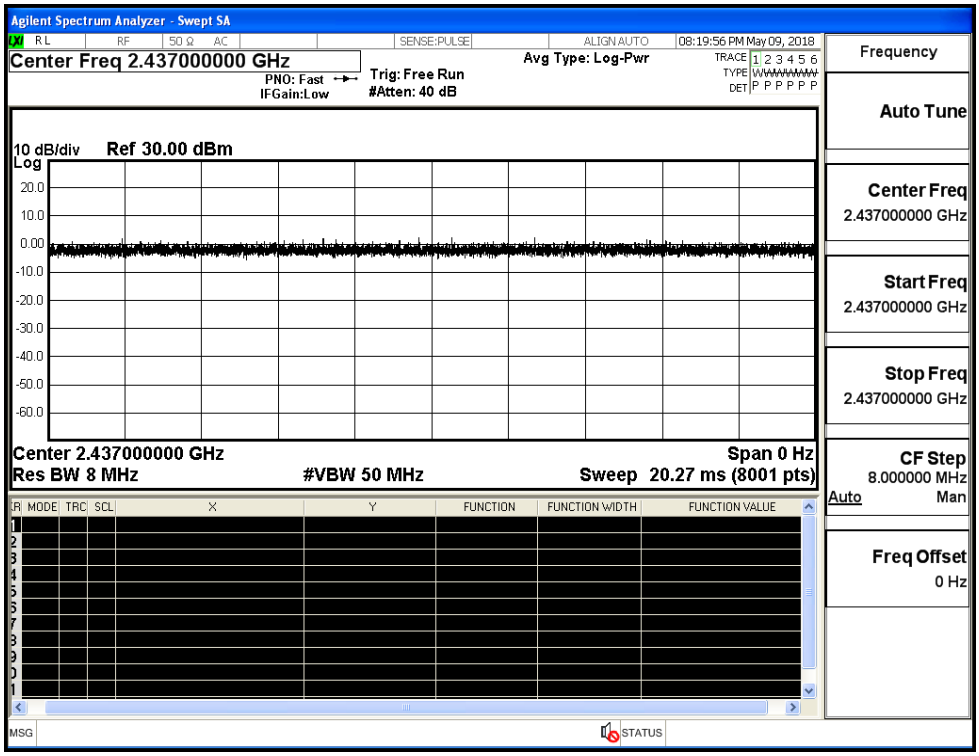
Duty Cycle_11G_2437_Ant1



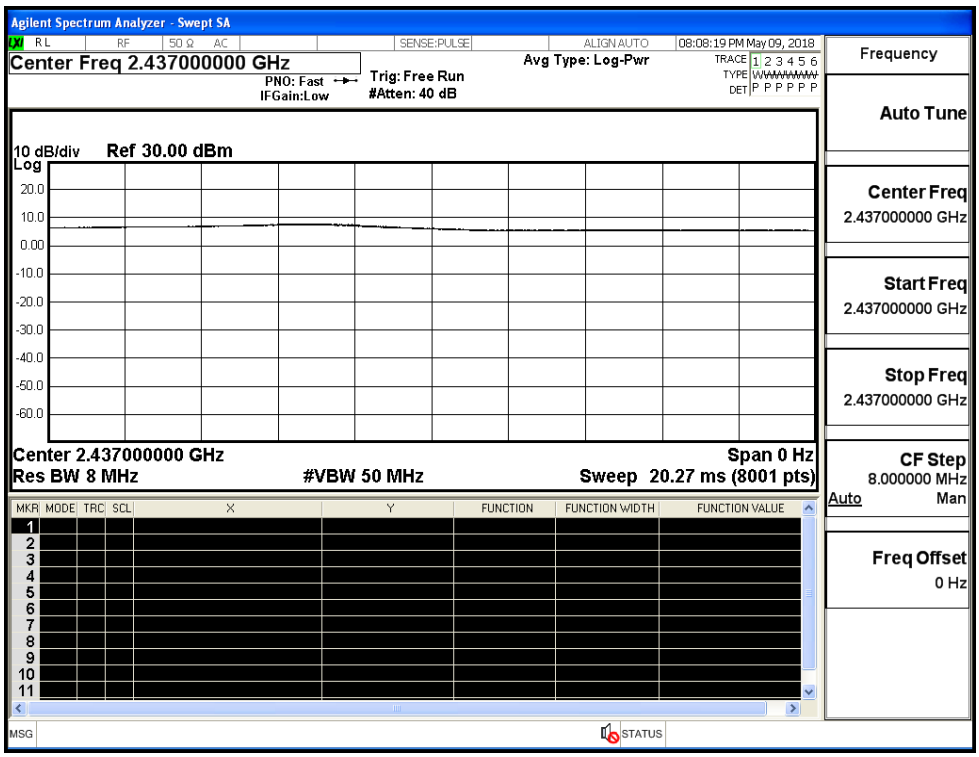
Duty Cycle_11N20SISO_2437_Ant1



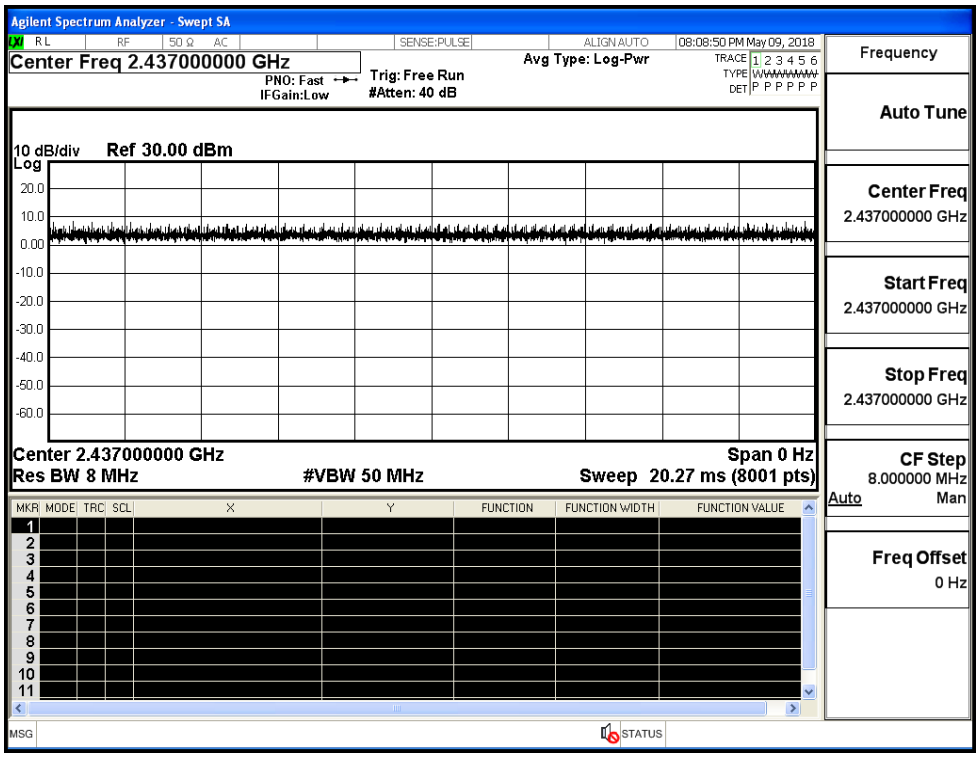
Duty Cycle_11N40SISO_2437_Ant1



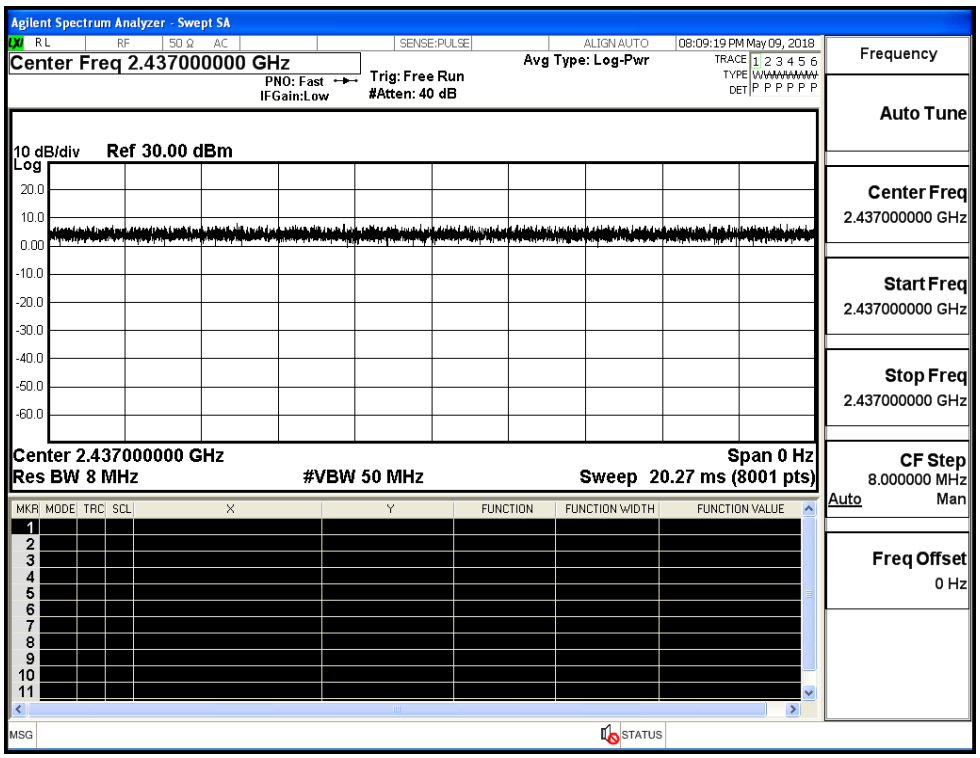
Duty Cycle_11B_2437_Ant2



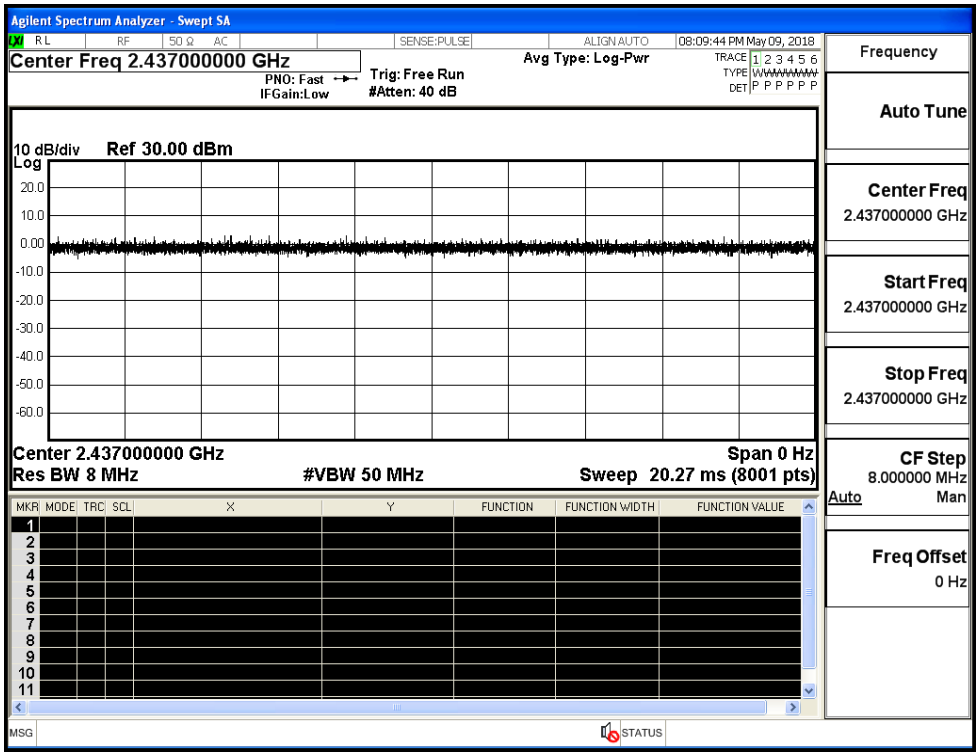
Duty Cycle_11G_2437_Ant2



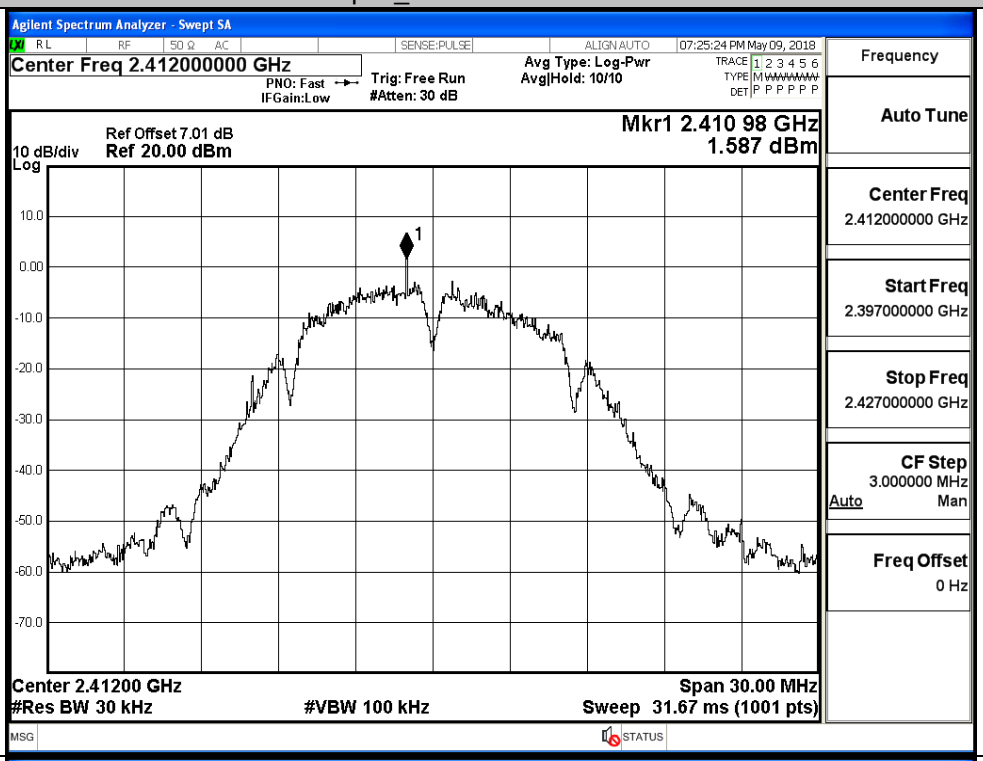
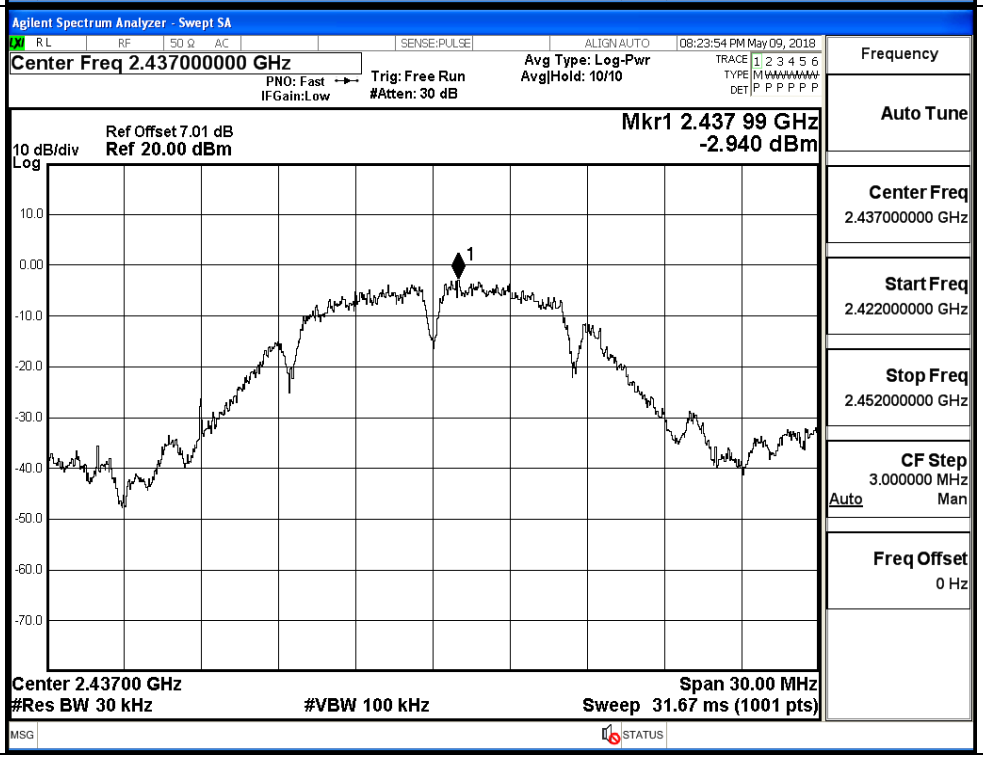
Duty Cycle_11N20SISO_2437_Ant2

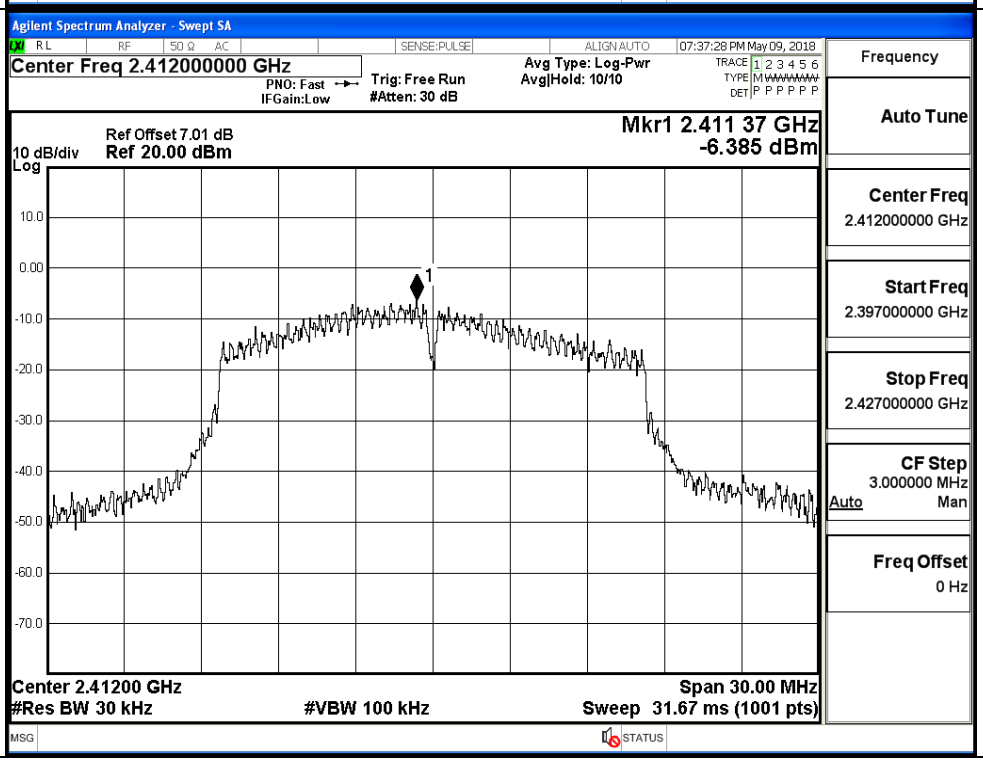


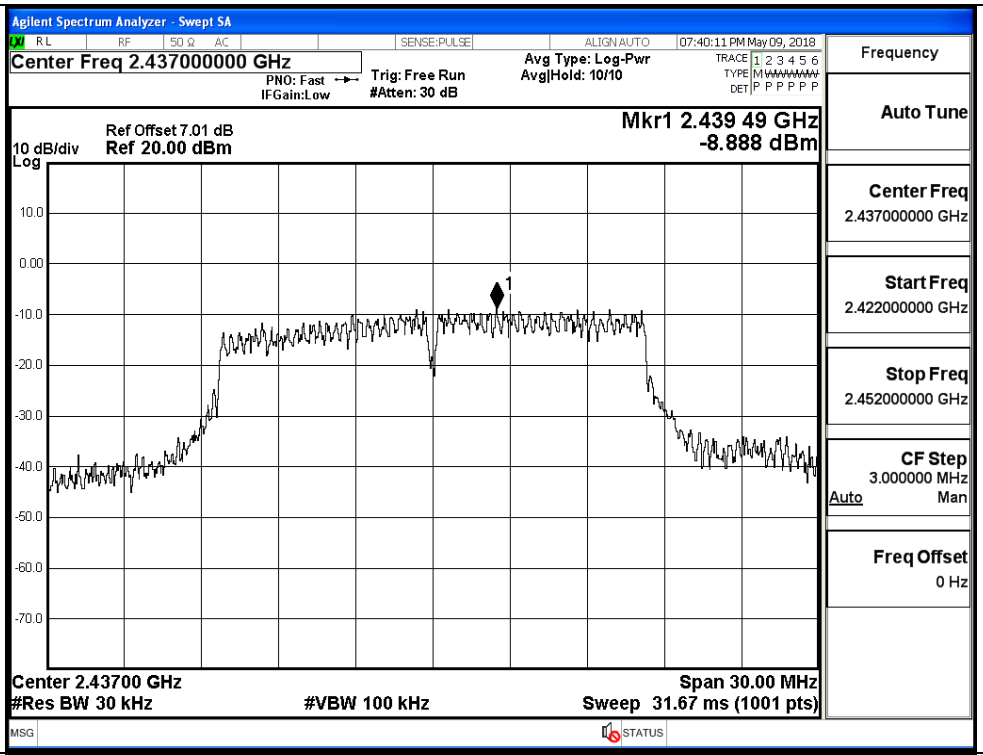
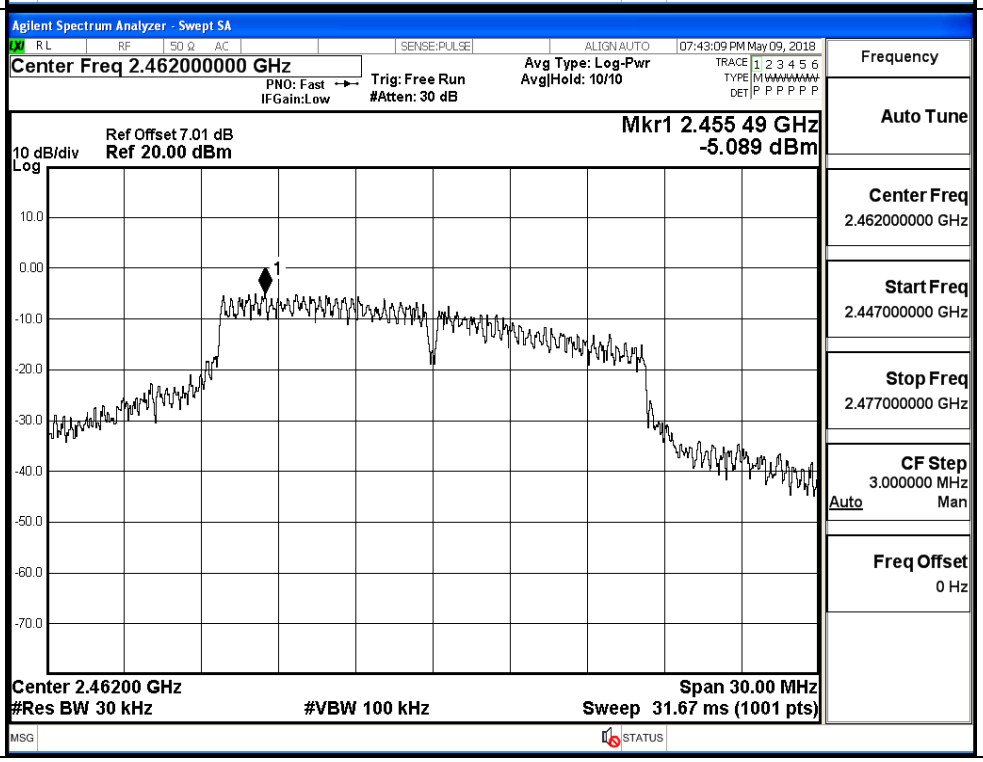
Duty Cycle_11N40SISO_2437_Ant2

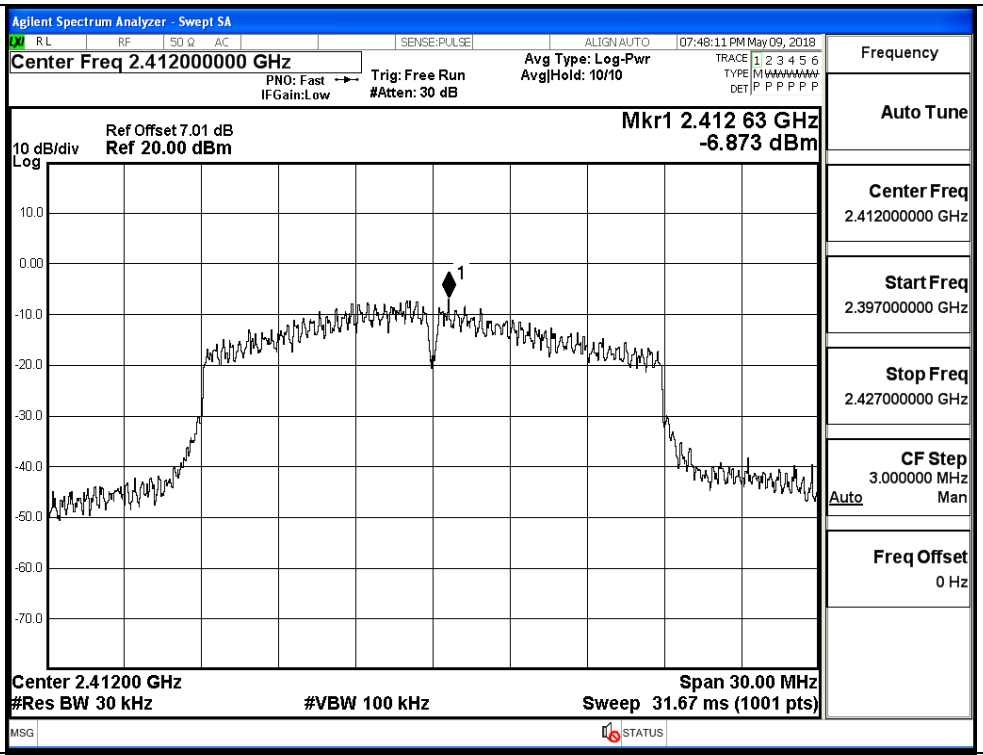
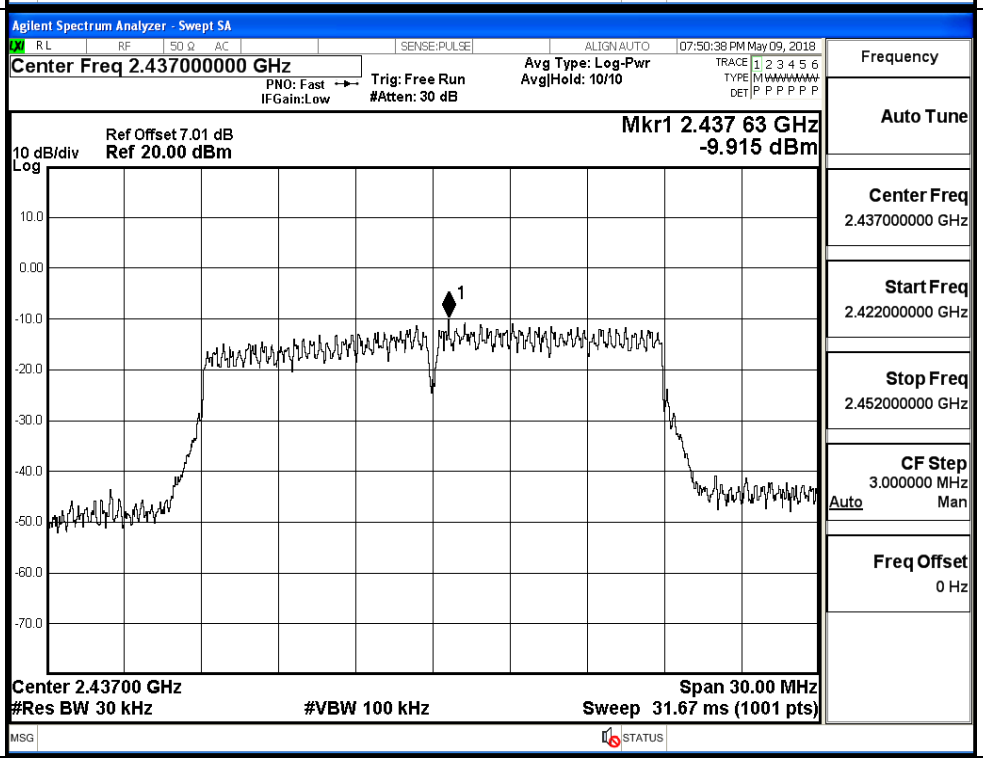


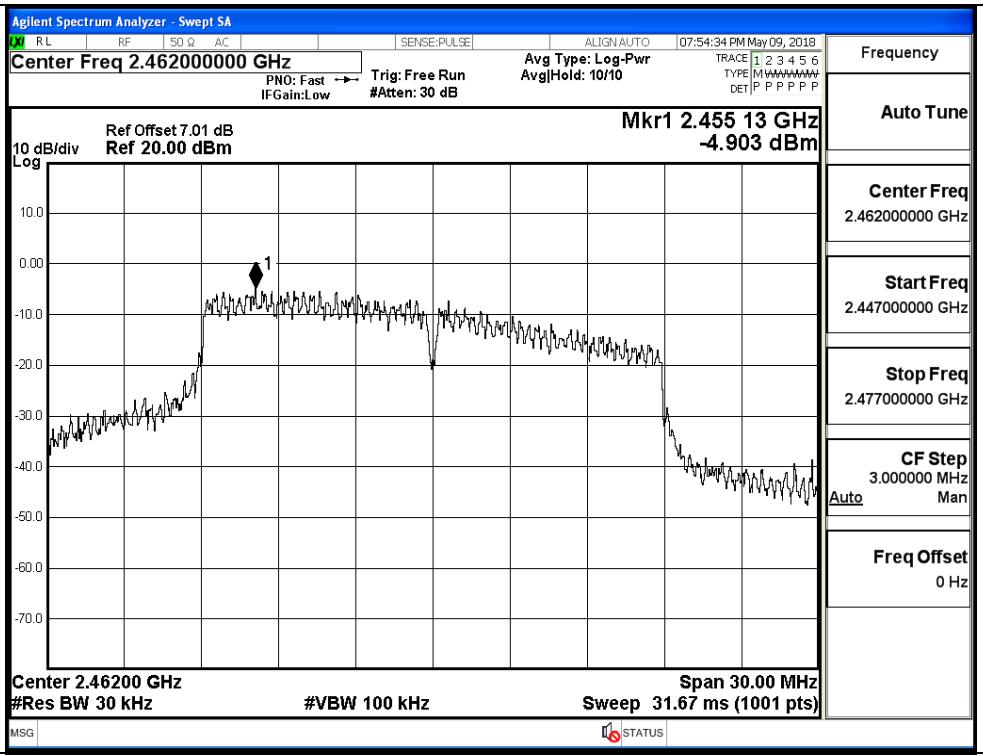
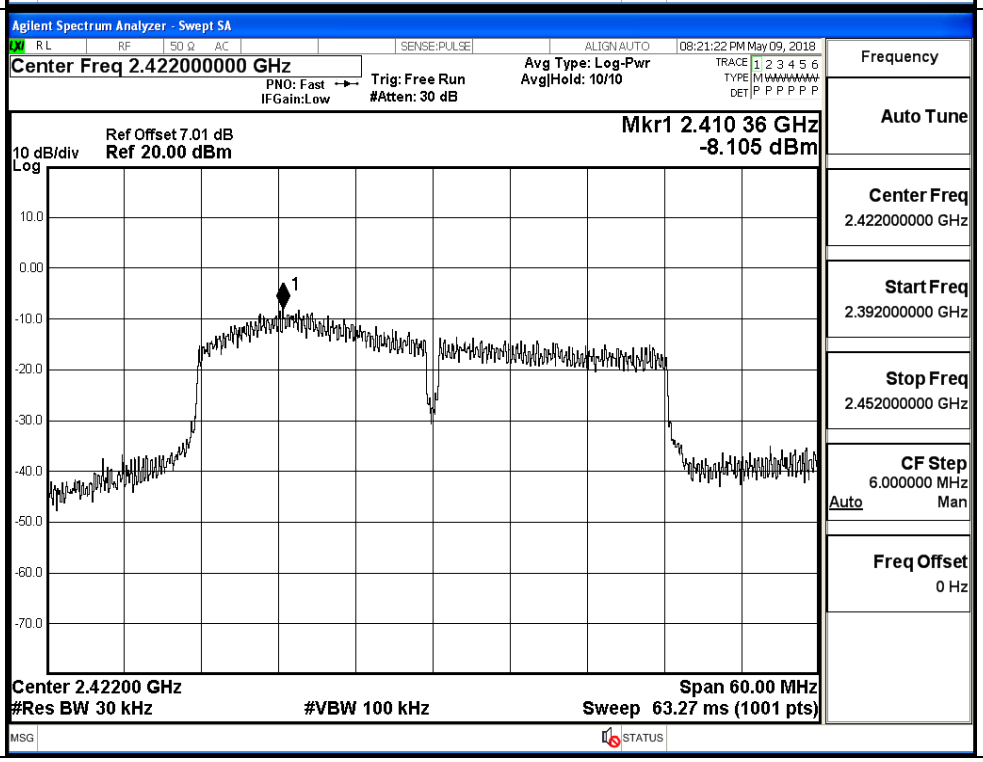
A.2 Maximum Power Spectral Density

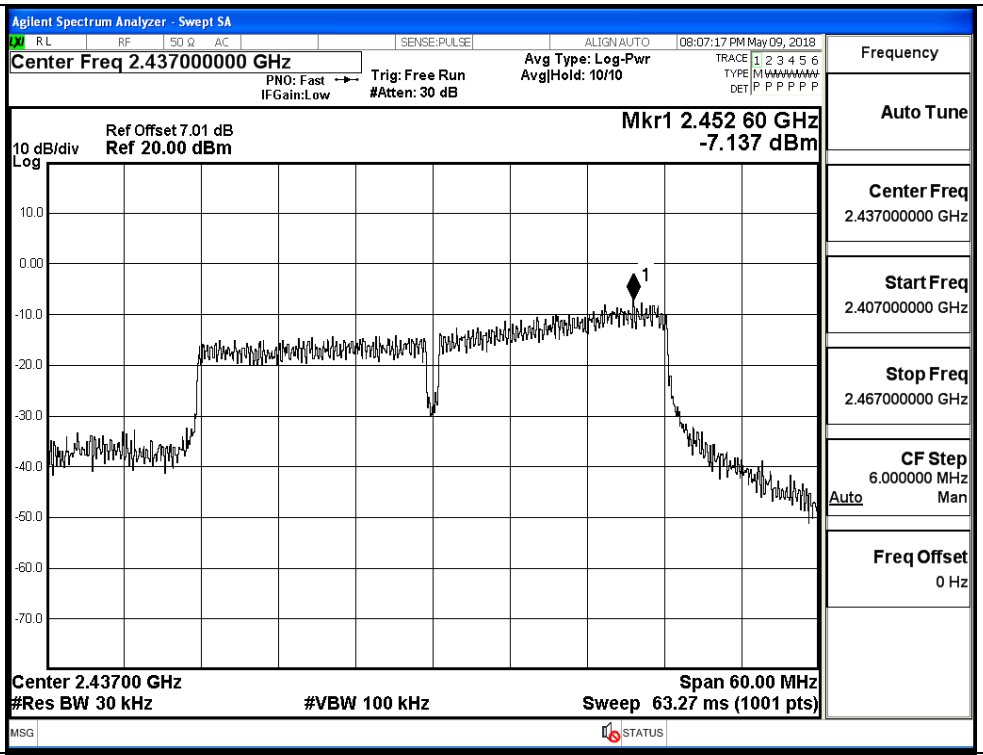
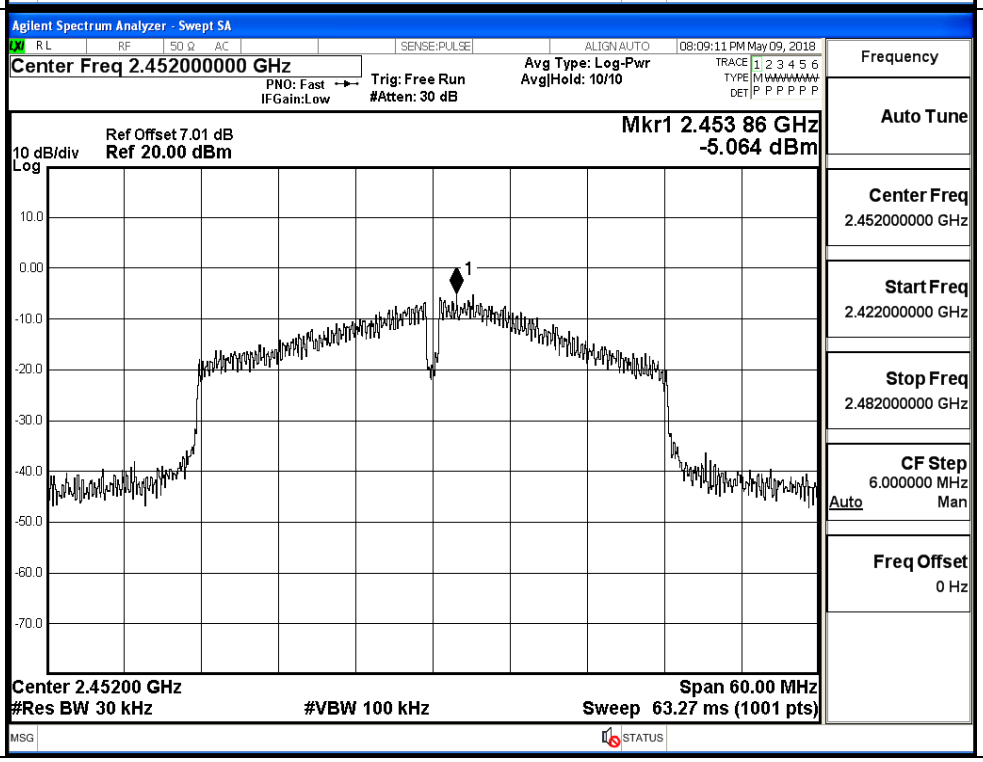
Test Graphs_ Ant1	
11B/LCH	
11B/MCH	

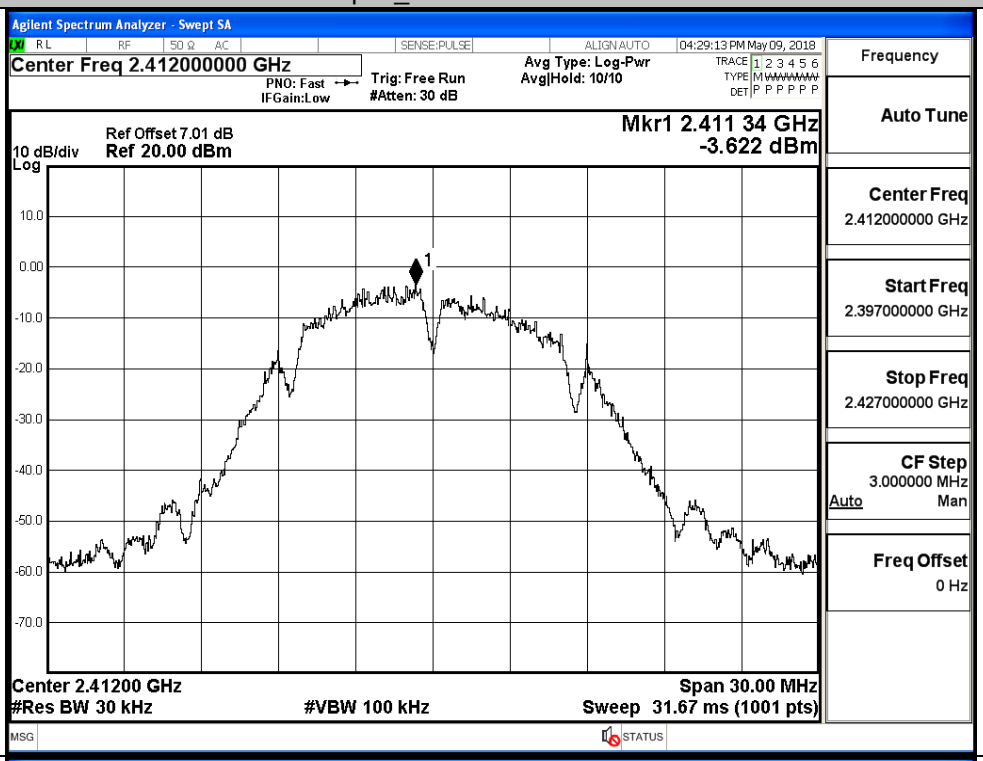
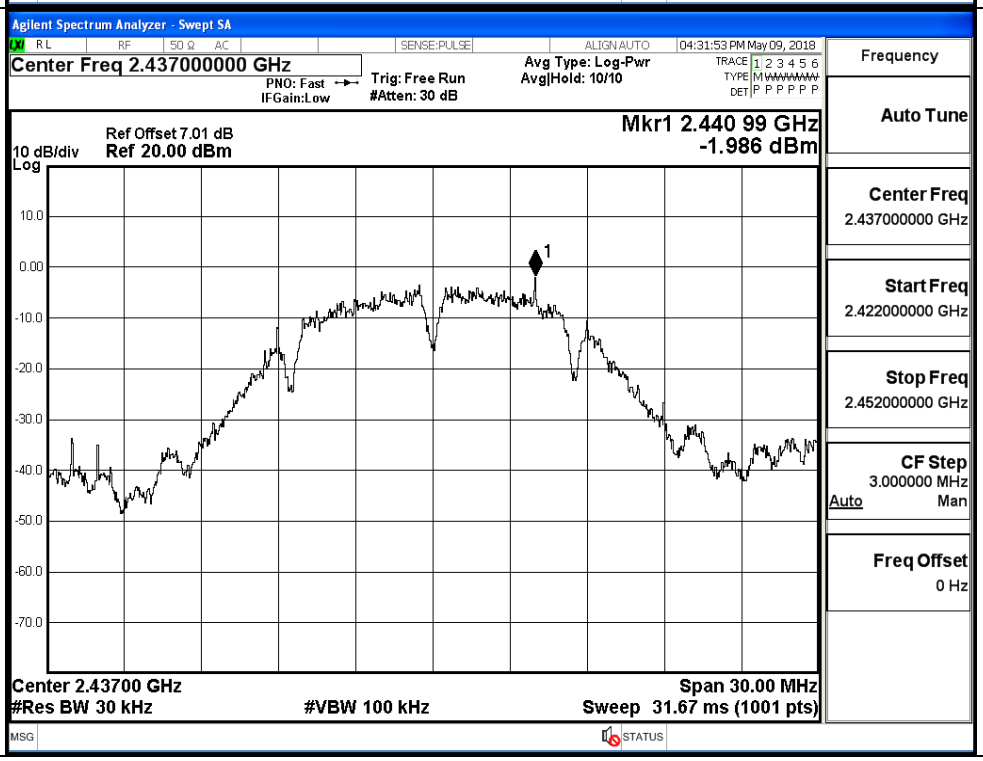
11B/HCH		
11G/LCH		

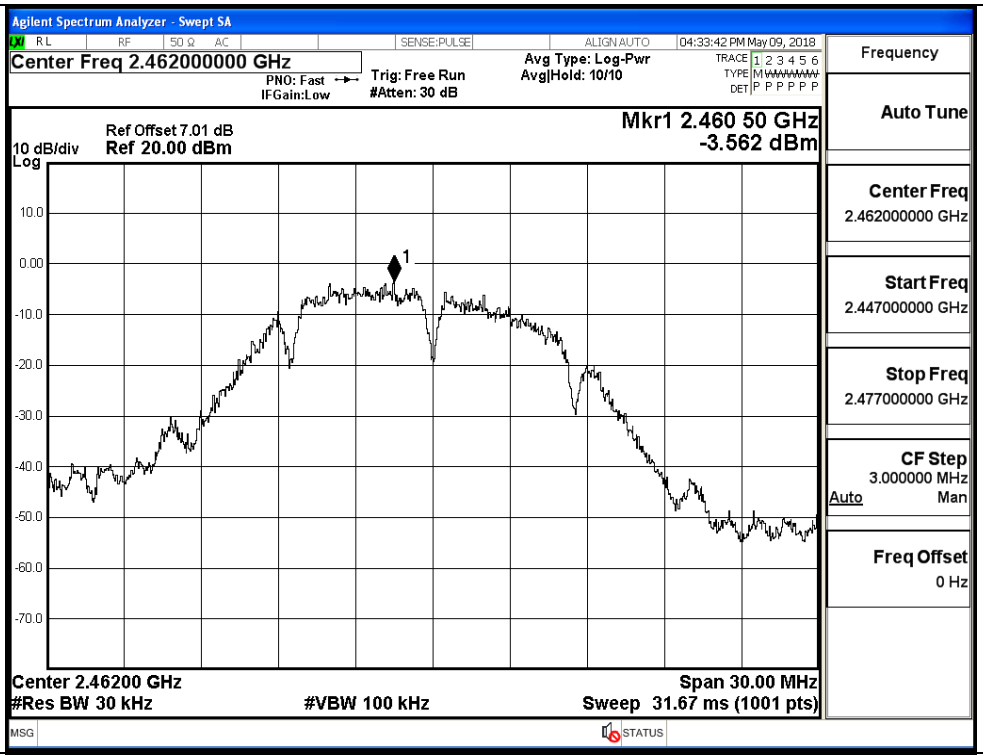
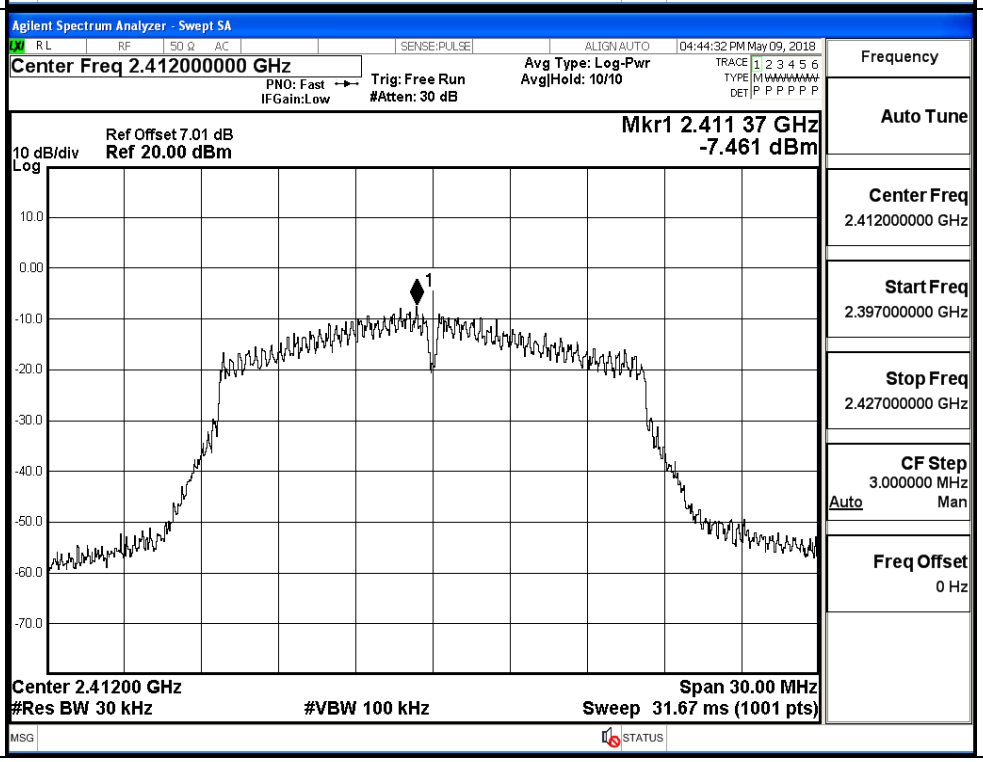
11G/MCH		
11G/HCH		

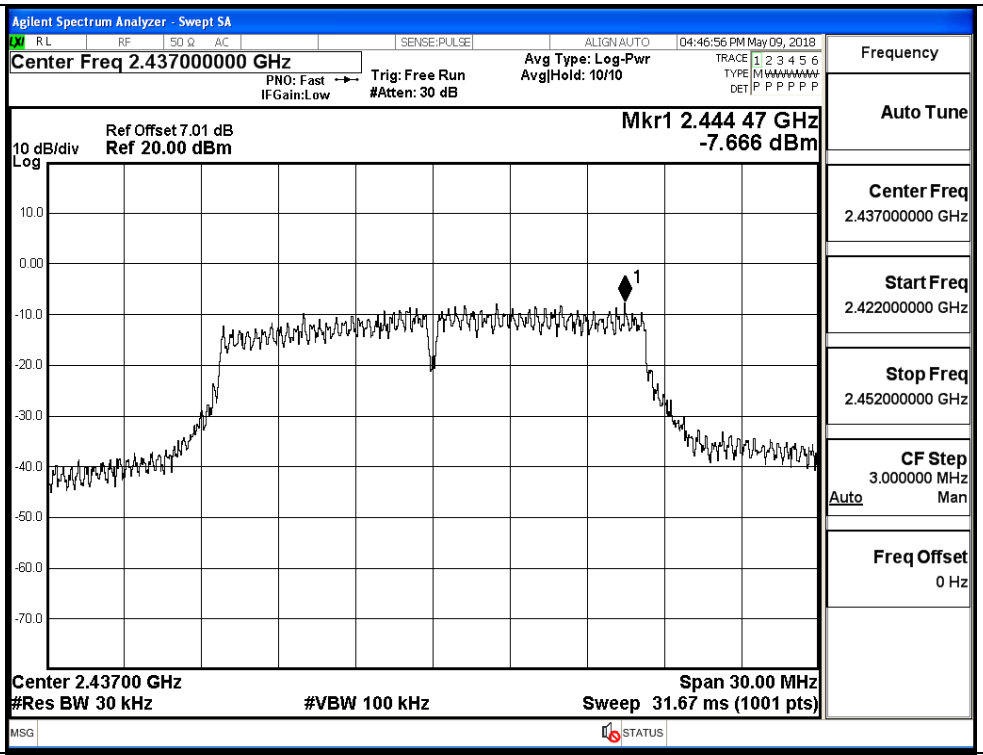
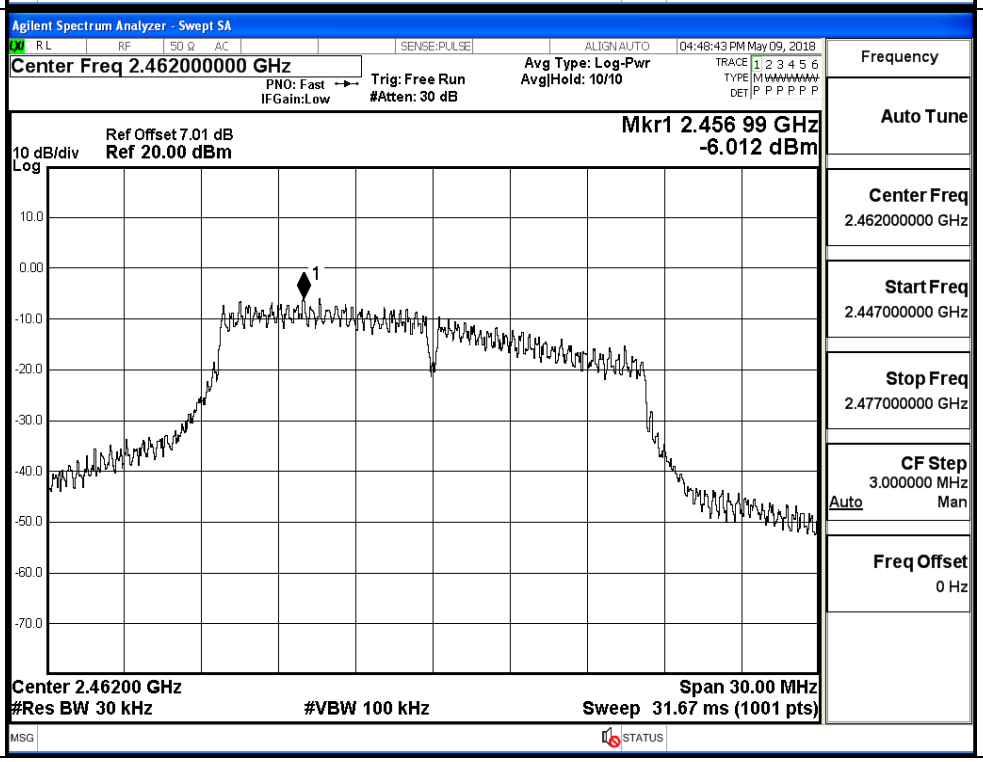
11N20SISO/LCH		
11N20SISO/MCH		

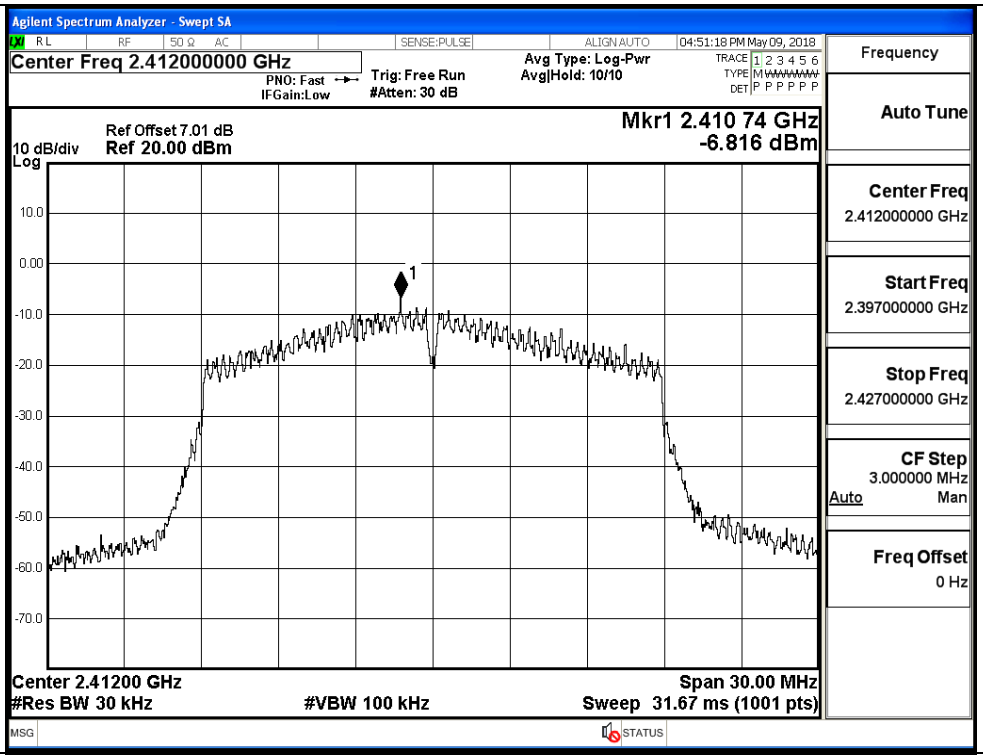
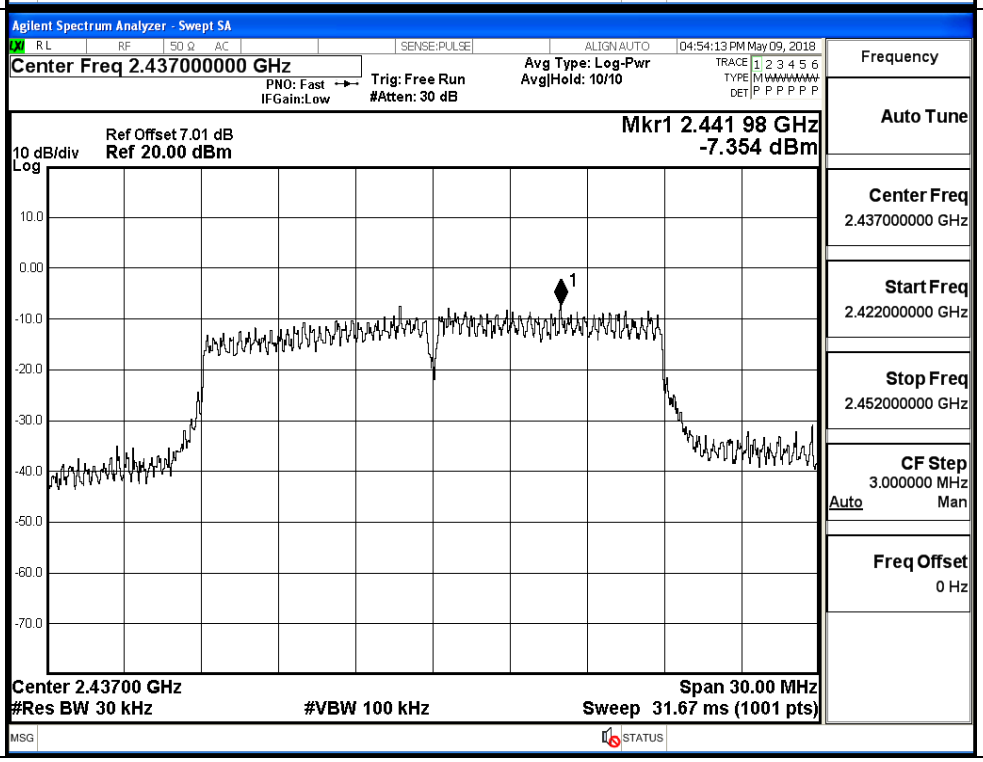
11N20SISO/HCH		
11N40SISO/LCH		

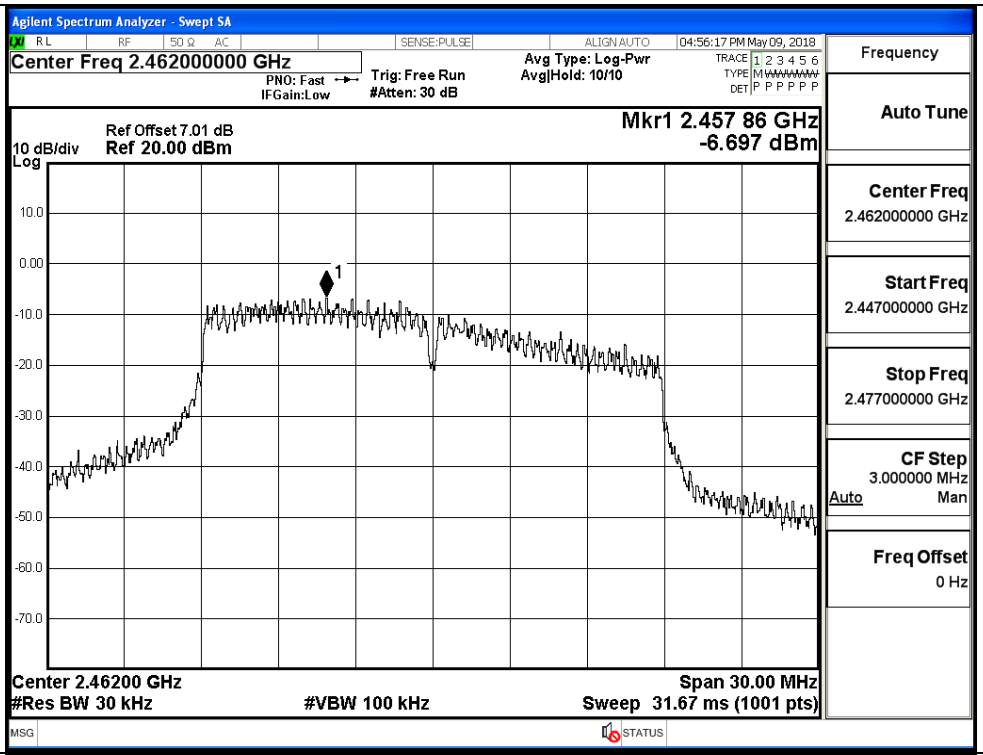
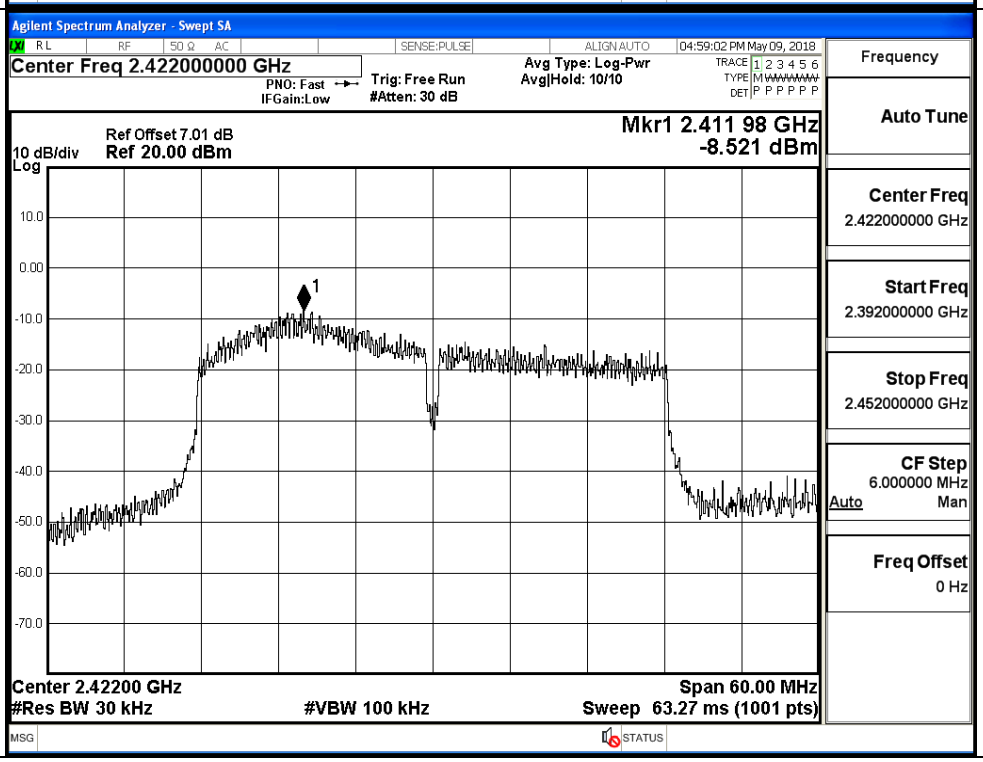
11N40SISO/MCH		
11N40SISO/HCH		

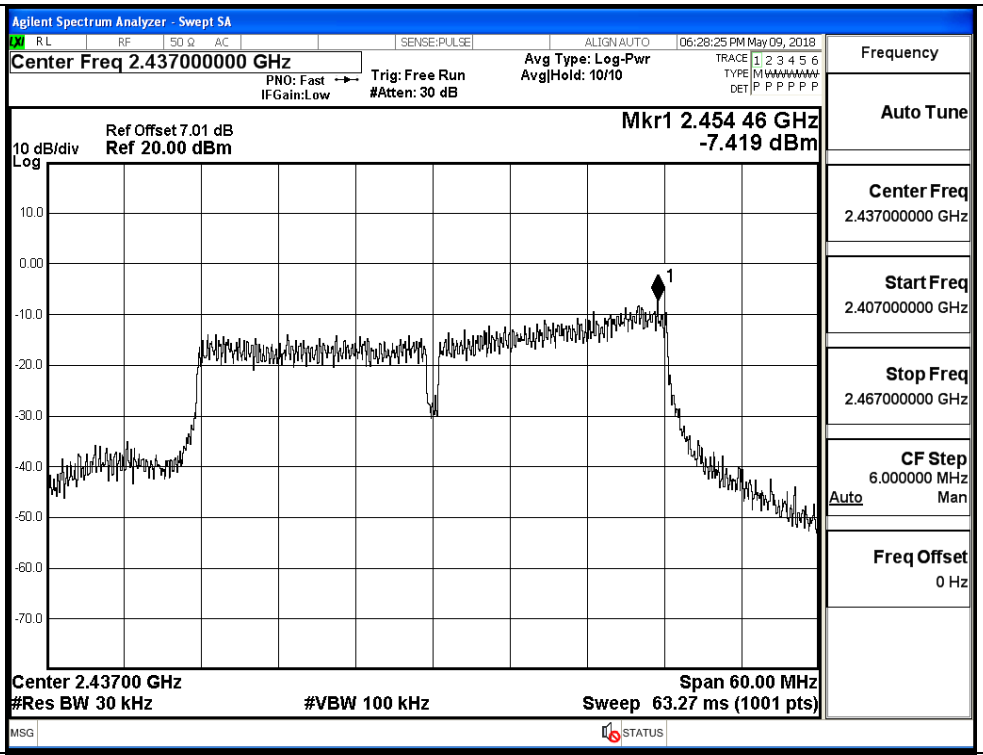
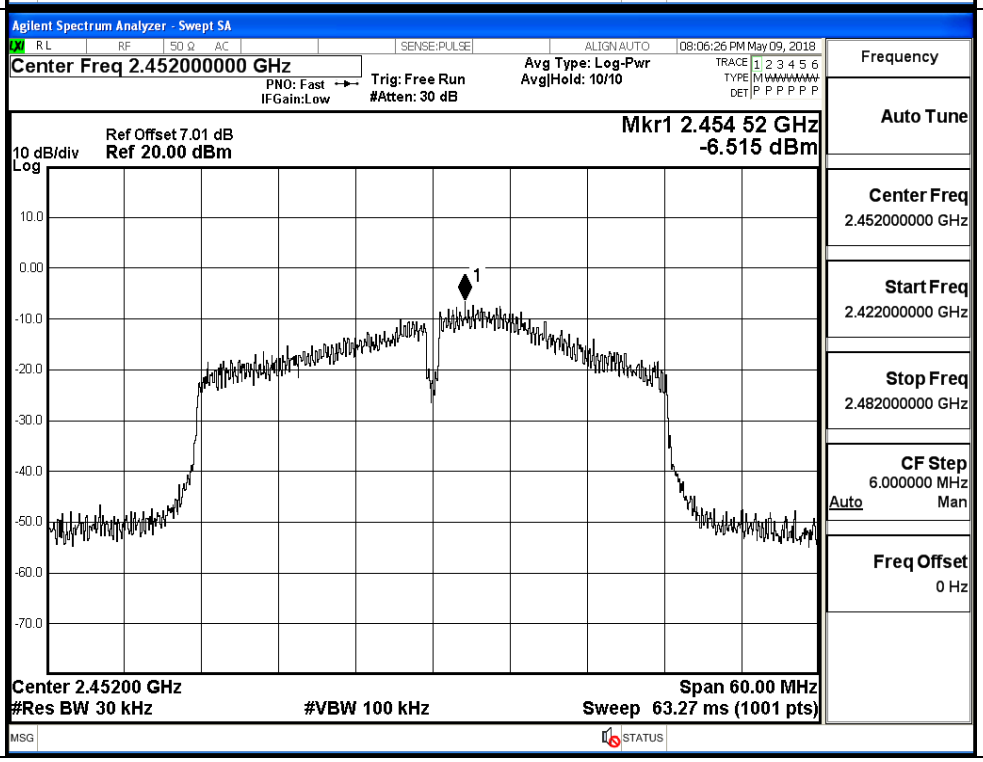
Test Graphs_ Ant2		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

11N20SISO/LCH		
11N20SISO/MCH		

11N20SISO/HCH		
11N40SISO/LCH		

11N40SISO/MCH		
11N40SISO/HCH		

A.3 6dB Bandwidth

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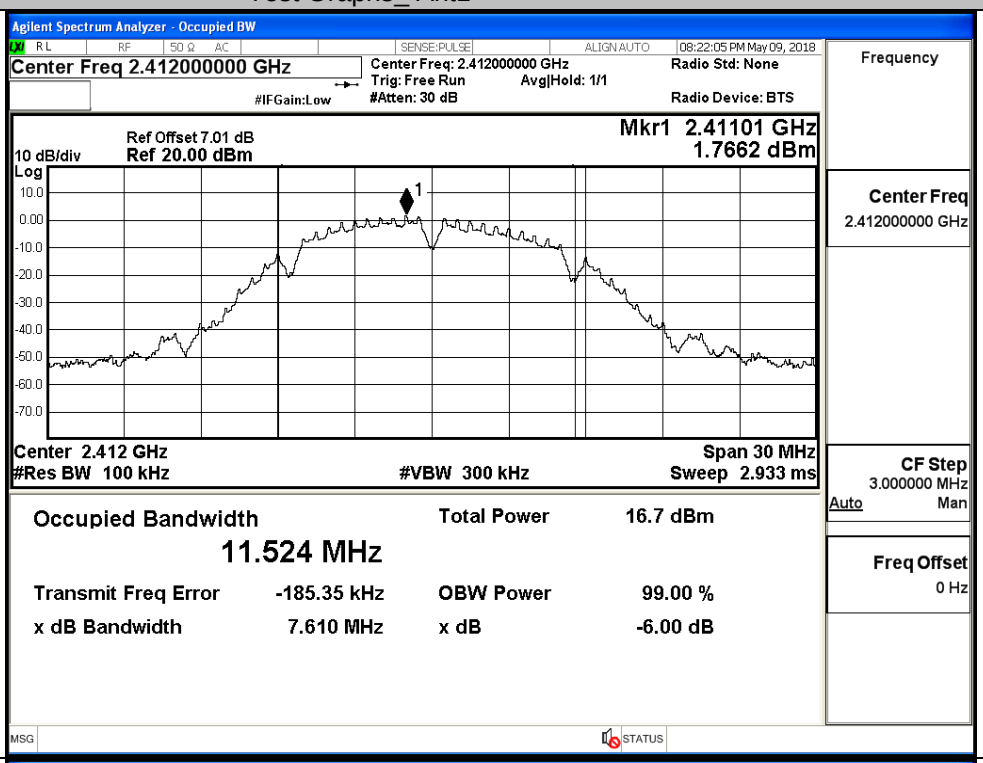
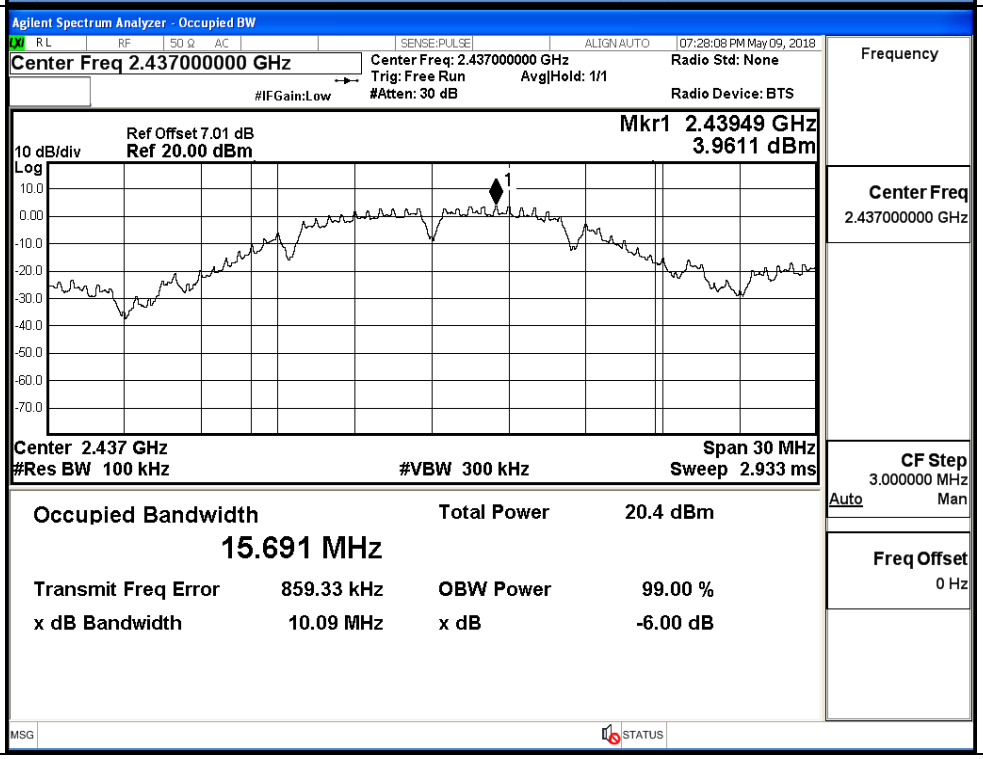
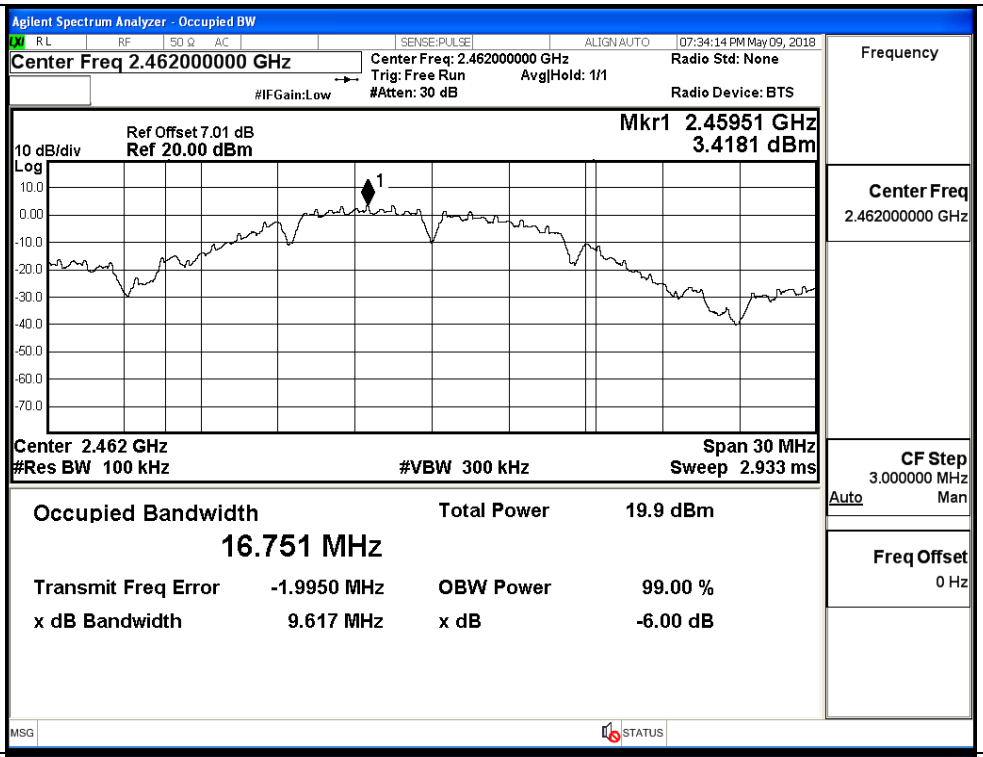
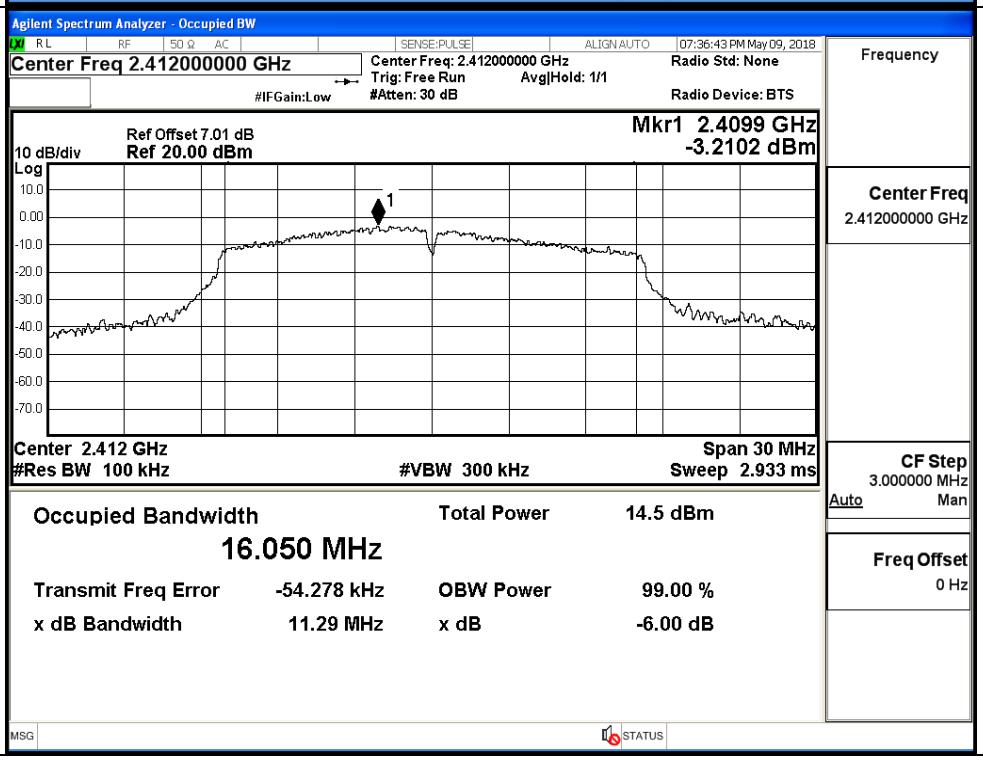
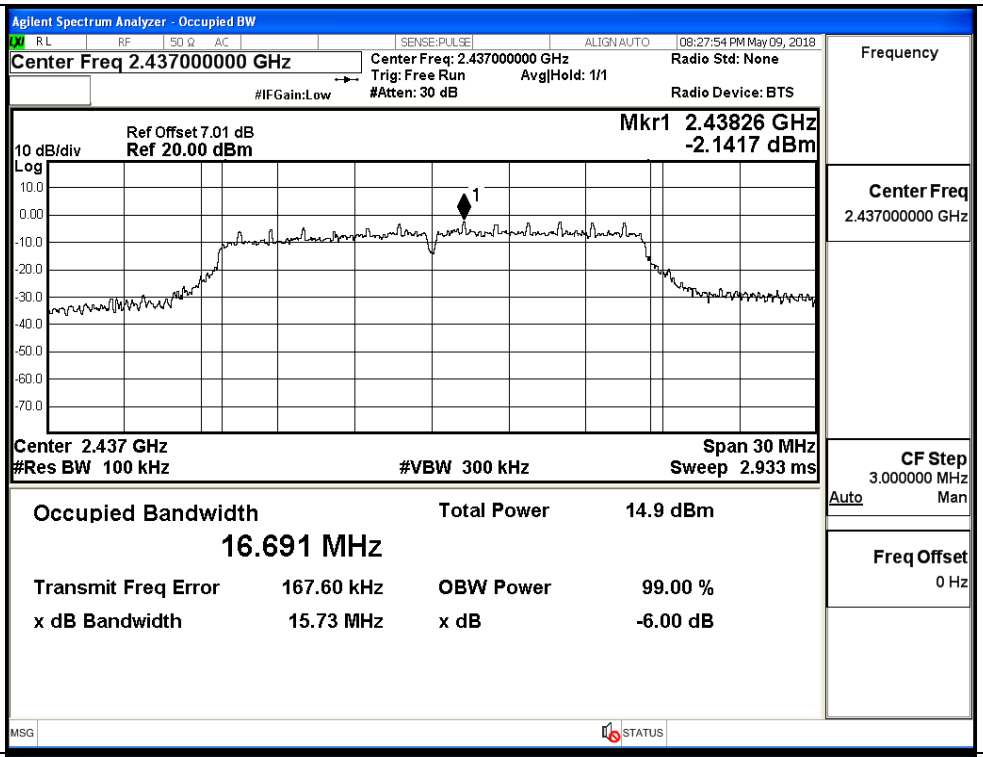
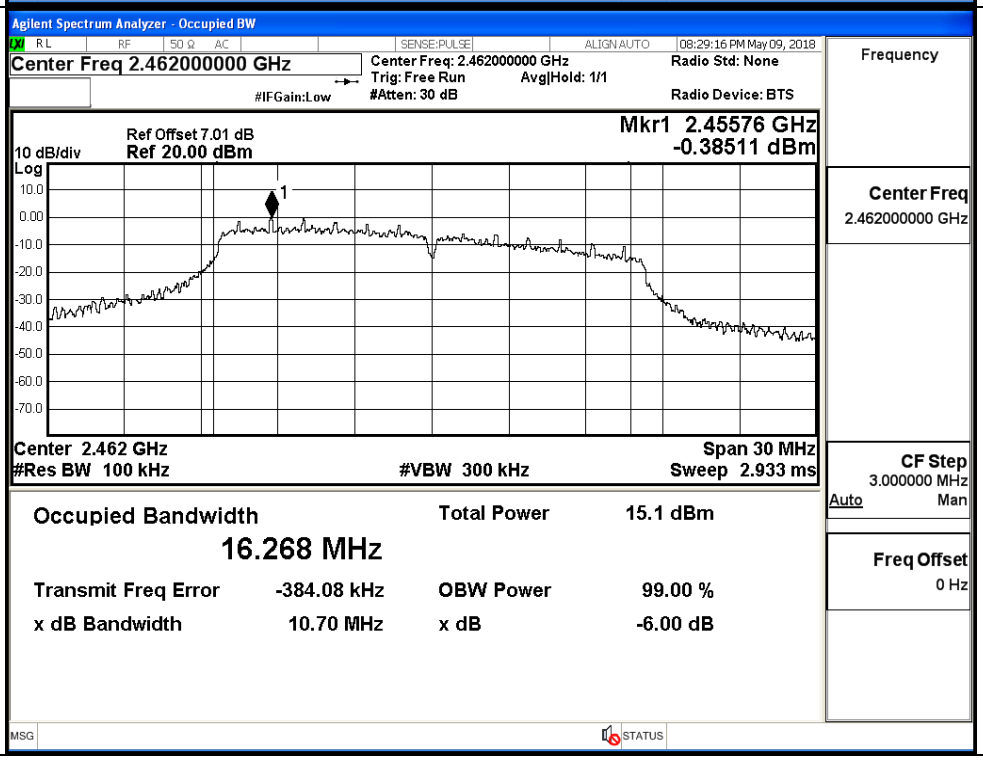
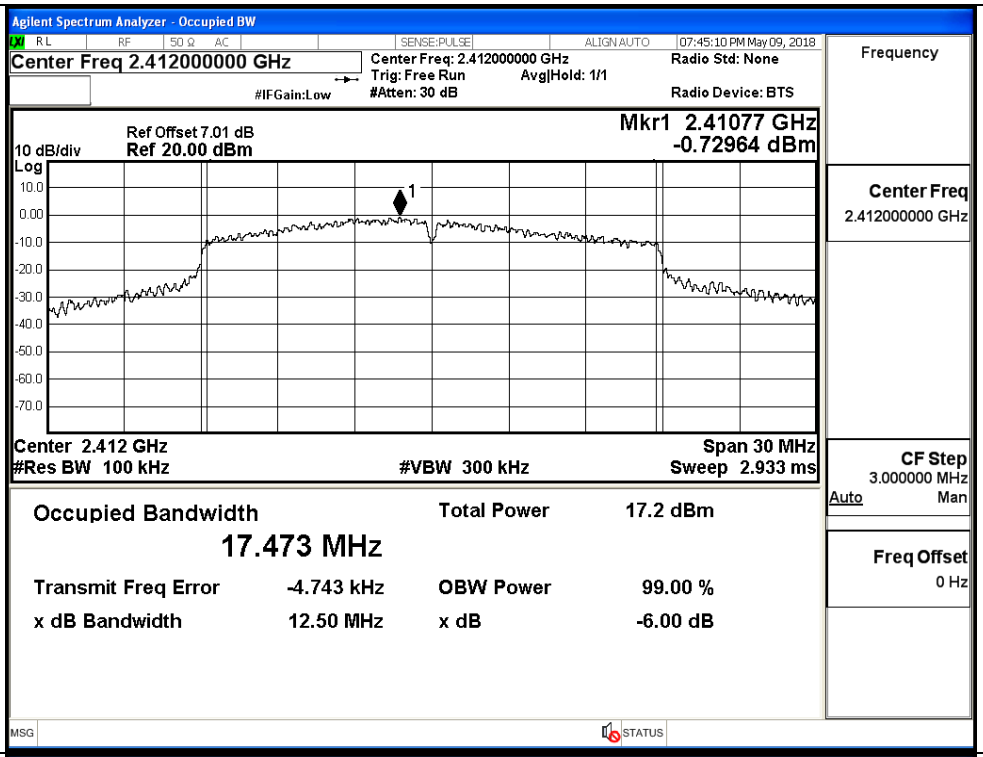
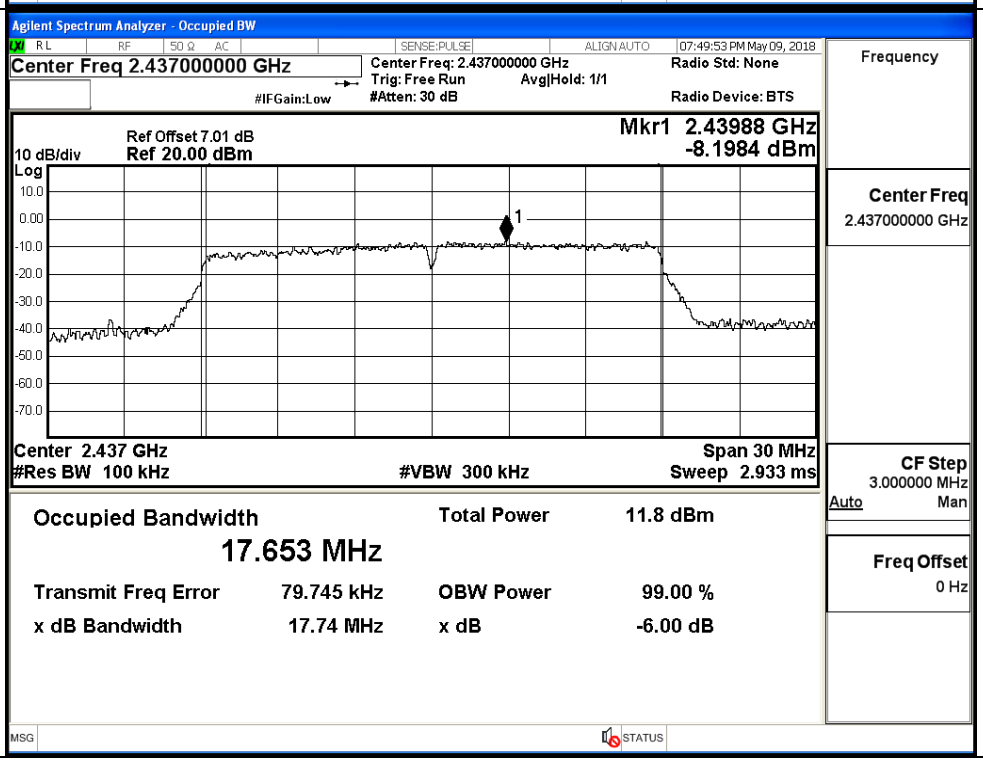
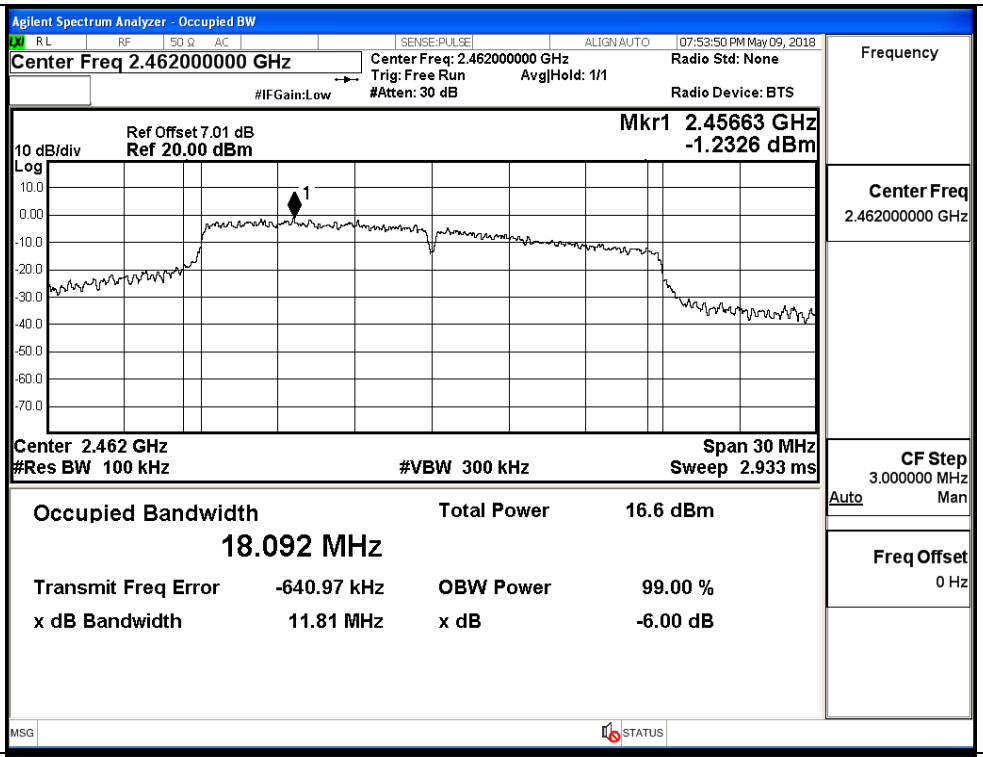
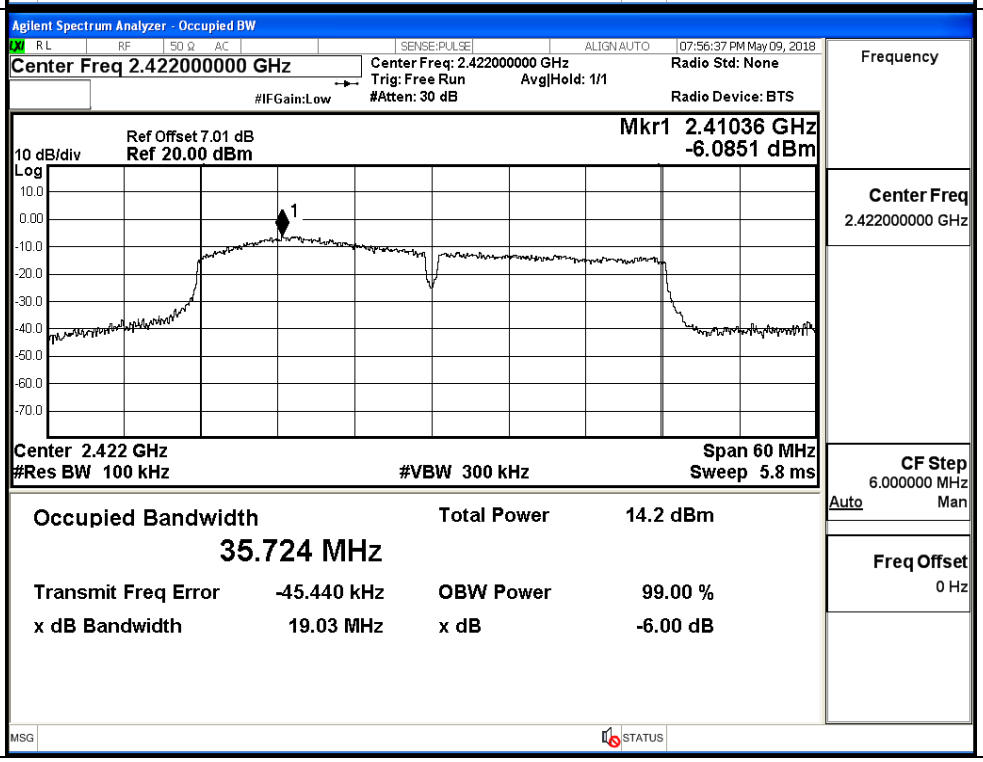
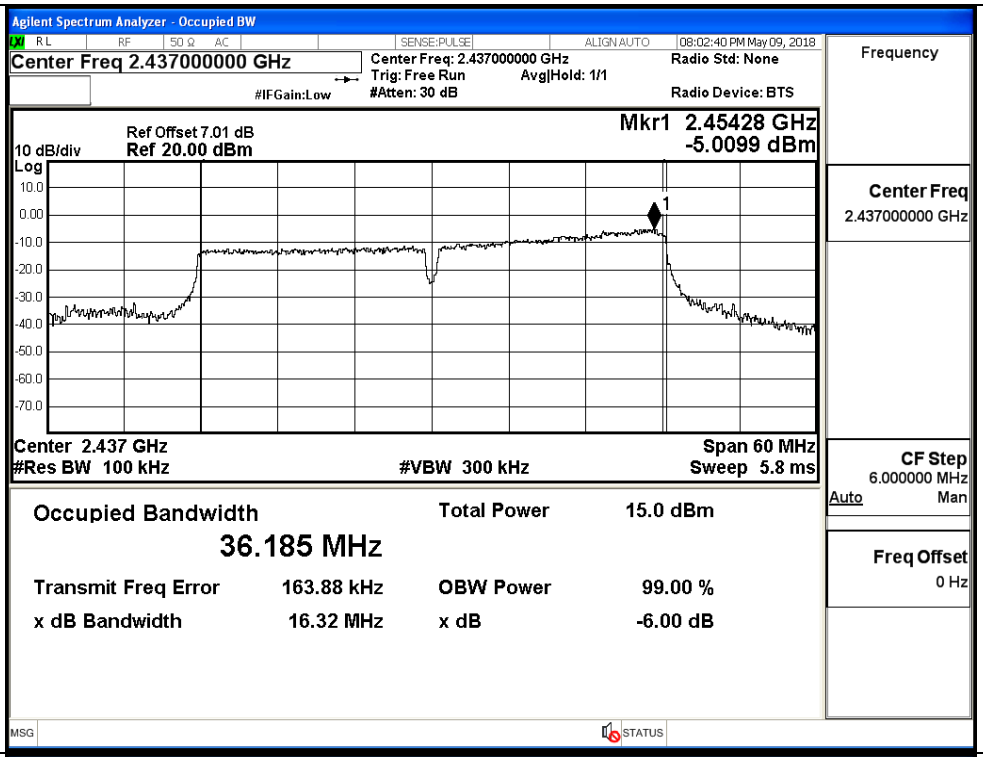
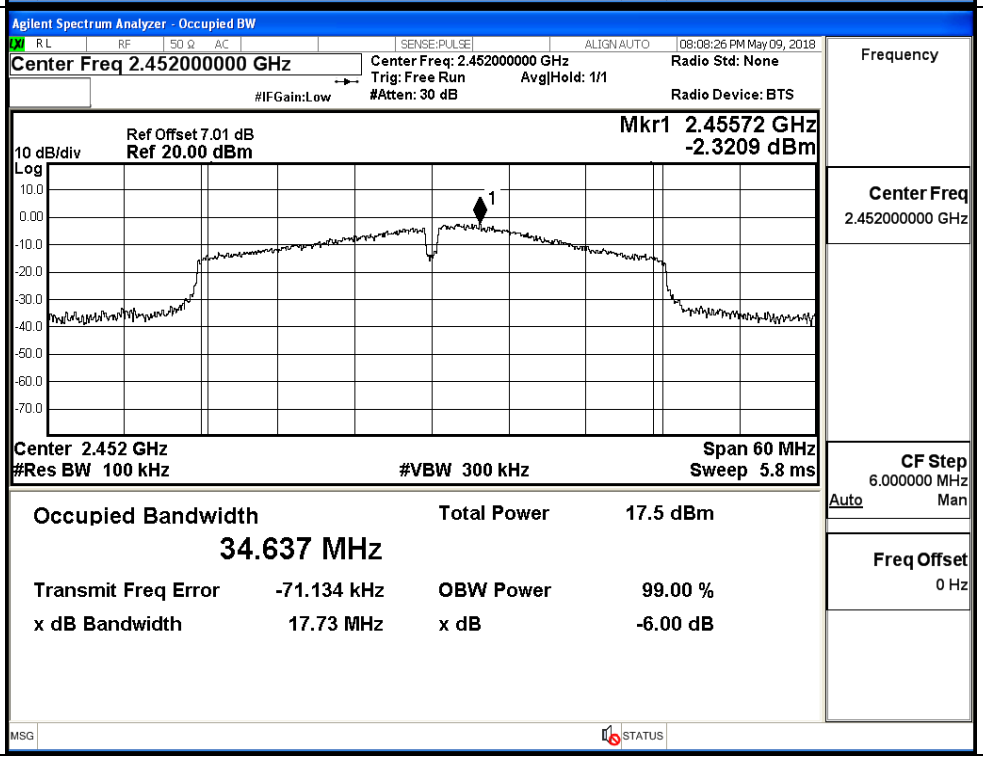
11B/LCH	
11B/MCH	

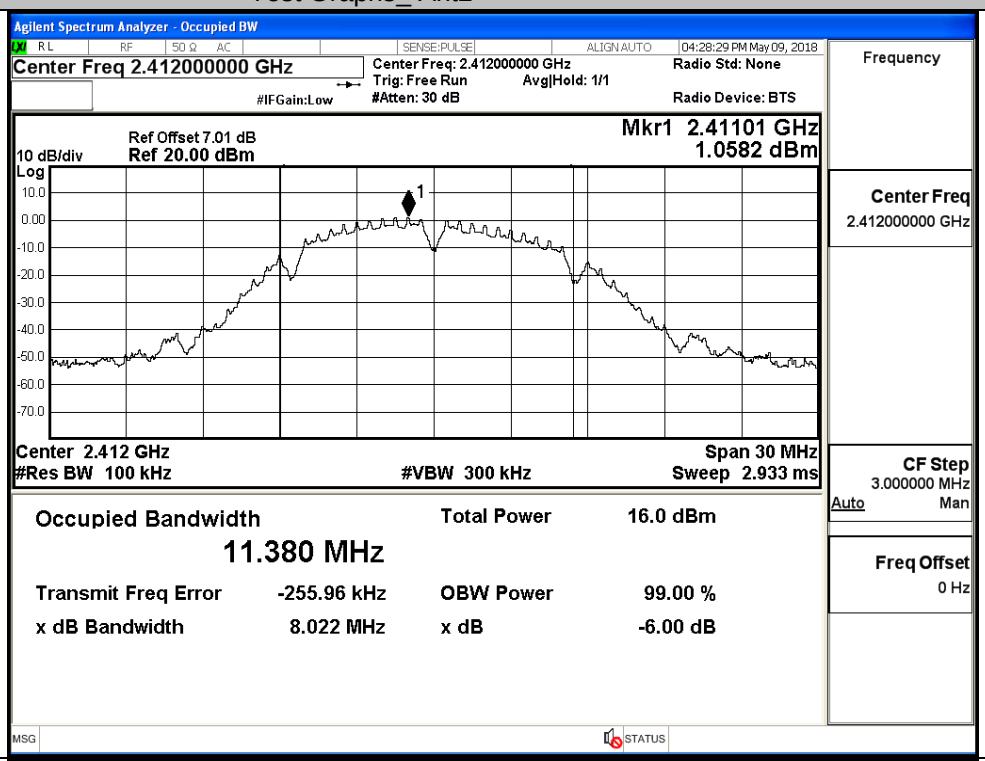
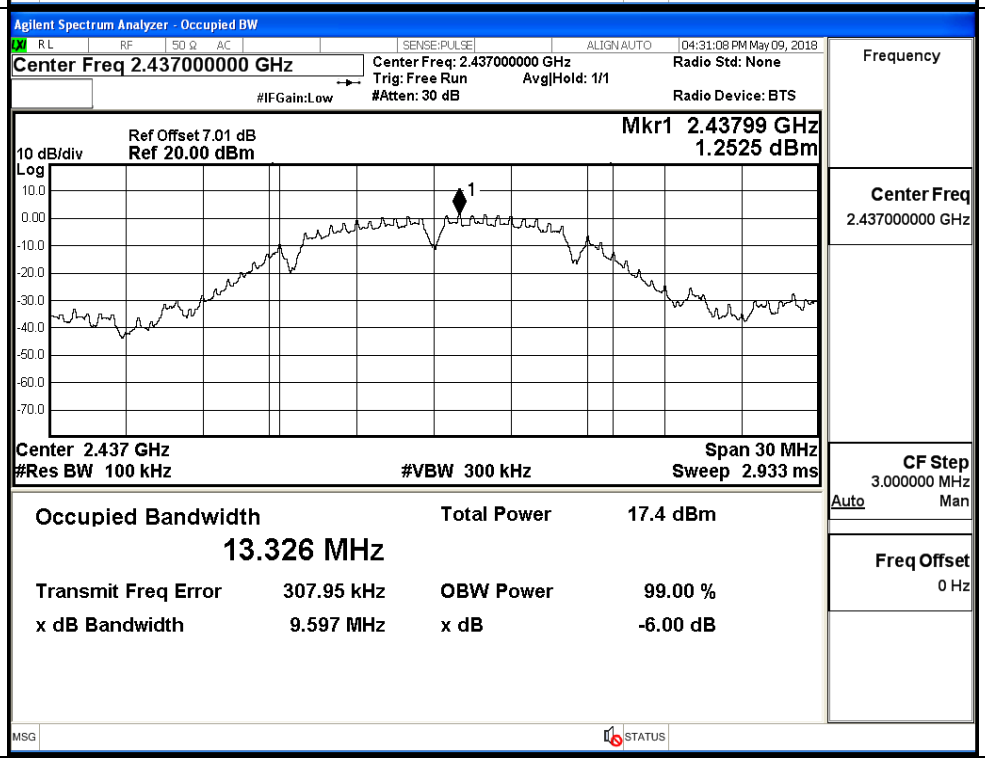
11B/HCH	
11G/LCH	

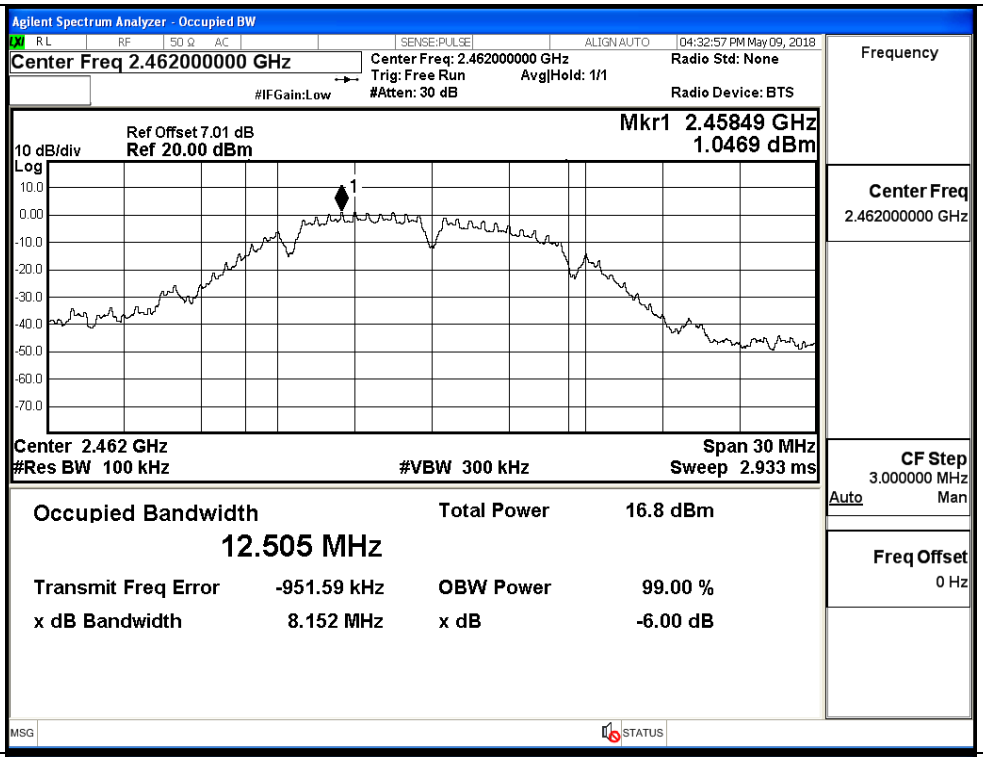
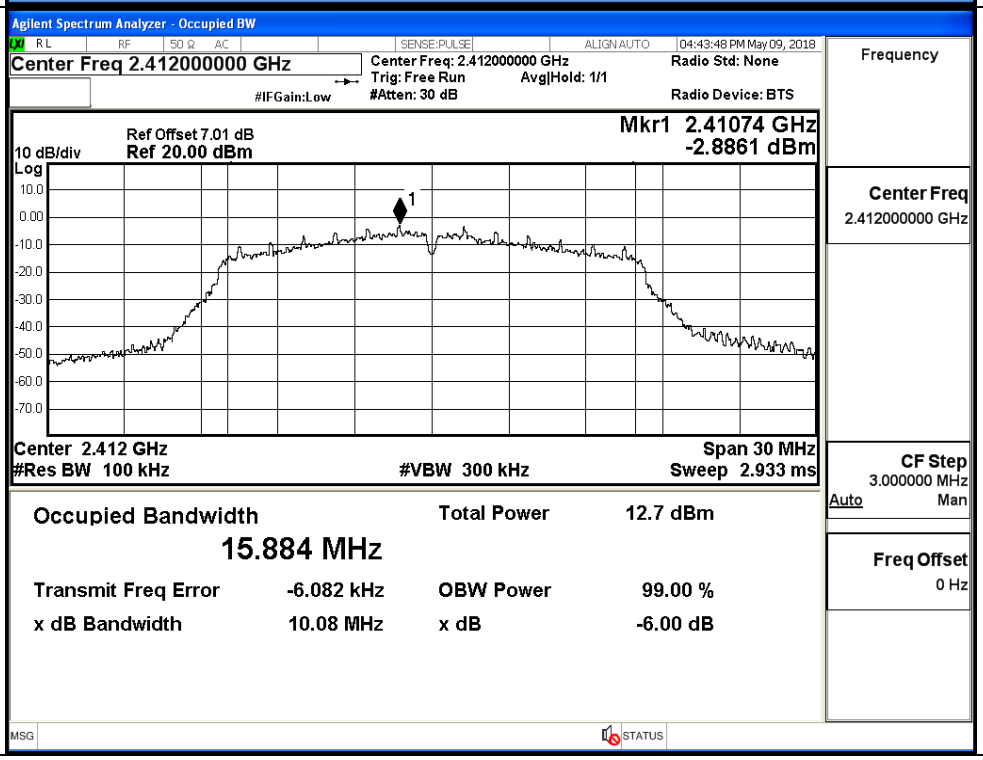
11G/MCH	
11G/HCH	

11N20SISO/LCH		
11N20SISO/MCH		

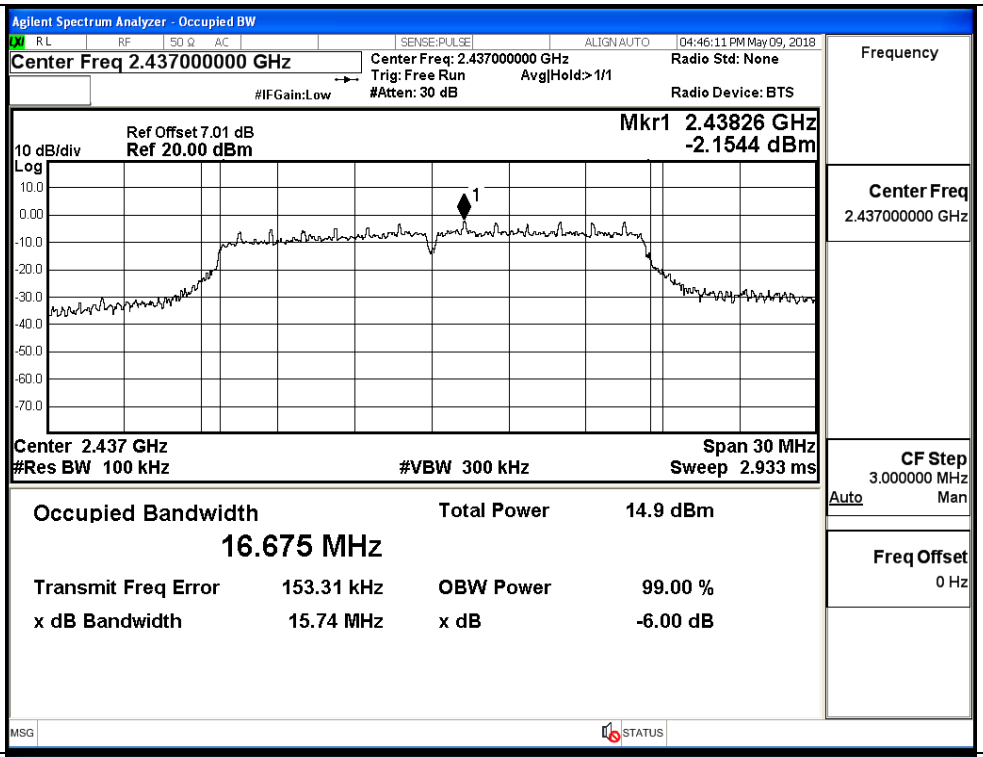
11N20SISO/HCH	
11N40SISO/LCH	

11N40SISO/MCH	
11N40SISO/HCH	

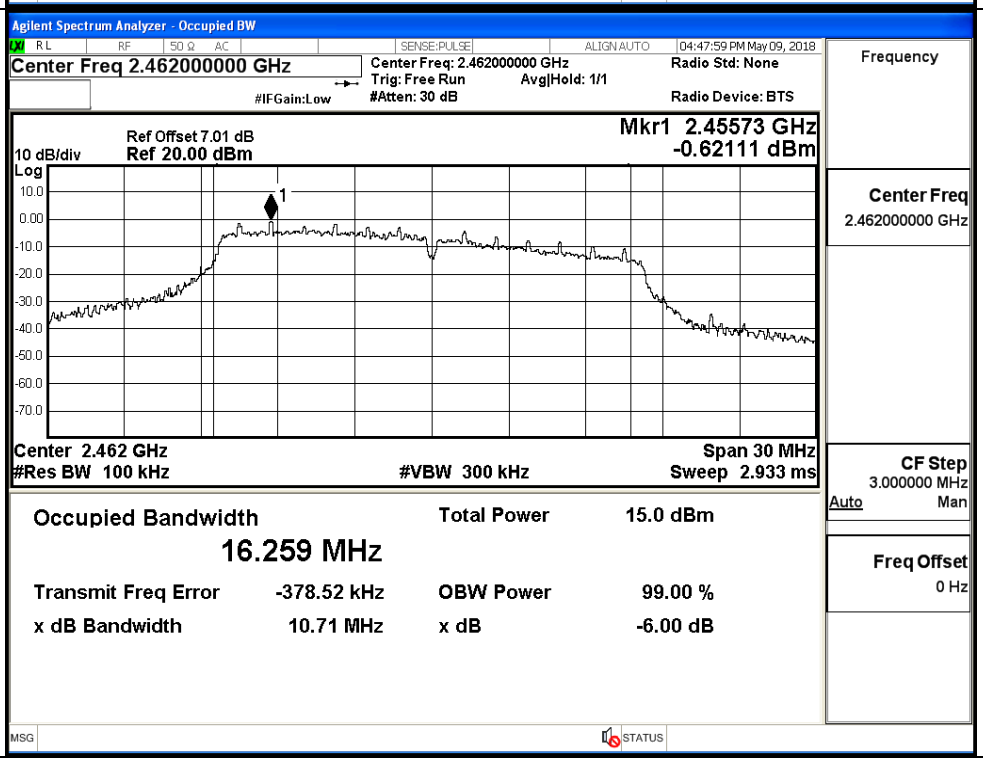
Test Graphs_ Ant2	
11B/LCH	
11B/MCH	

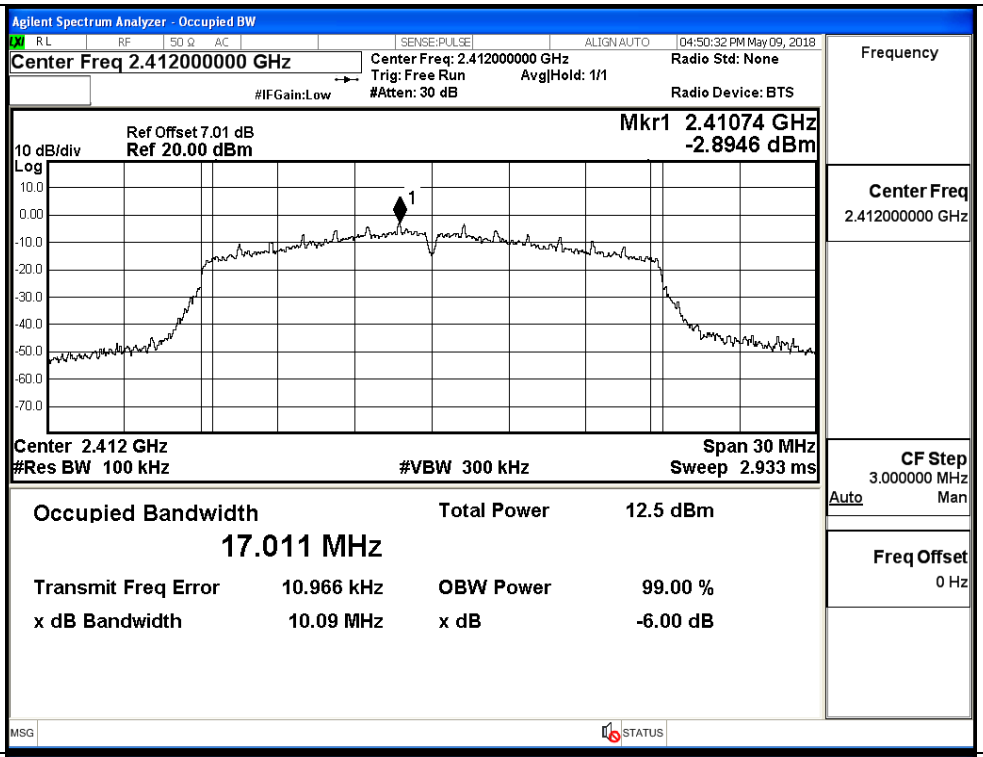
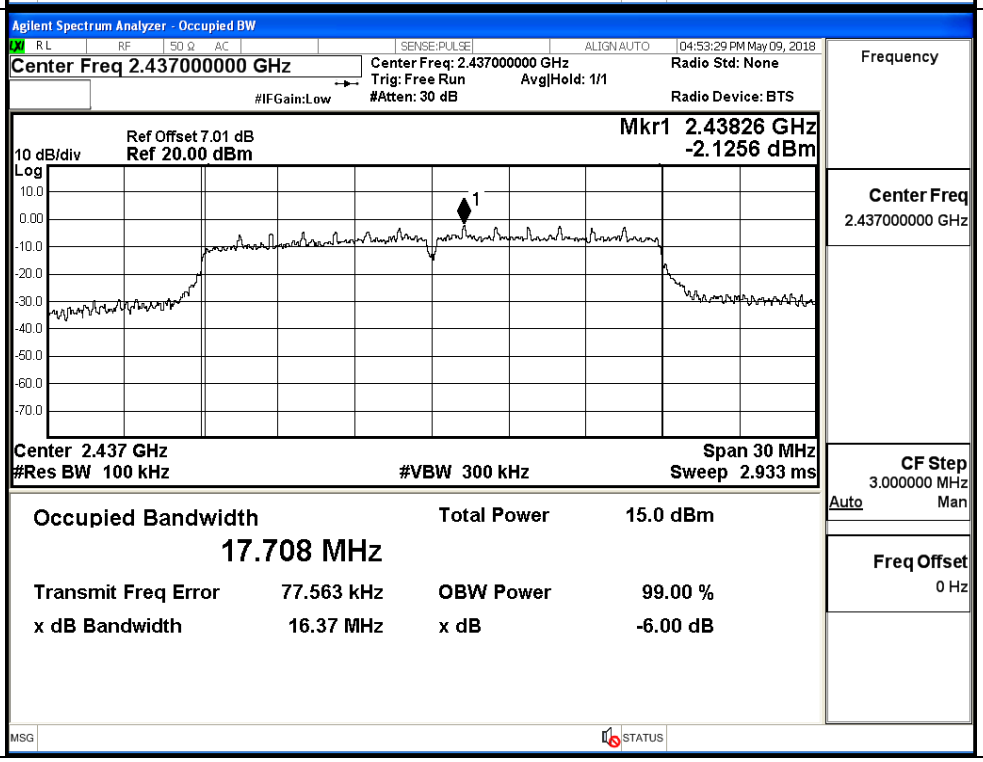
11B/HCH	
11G/LCH	

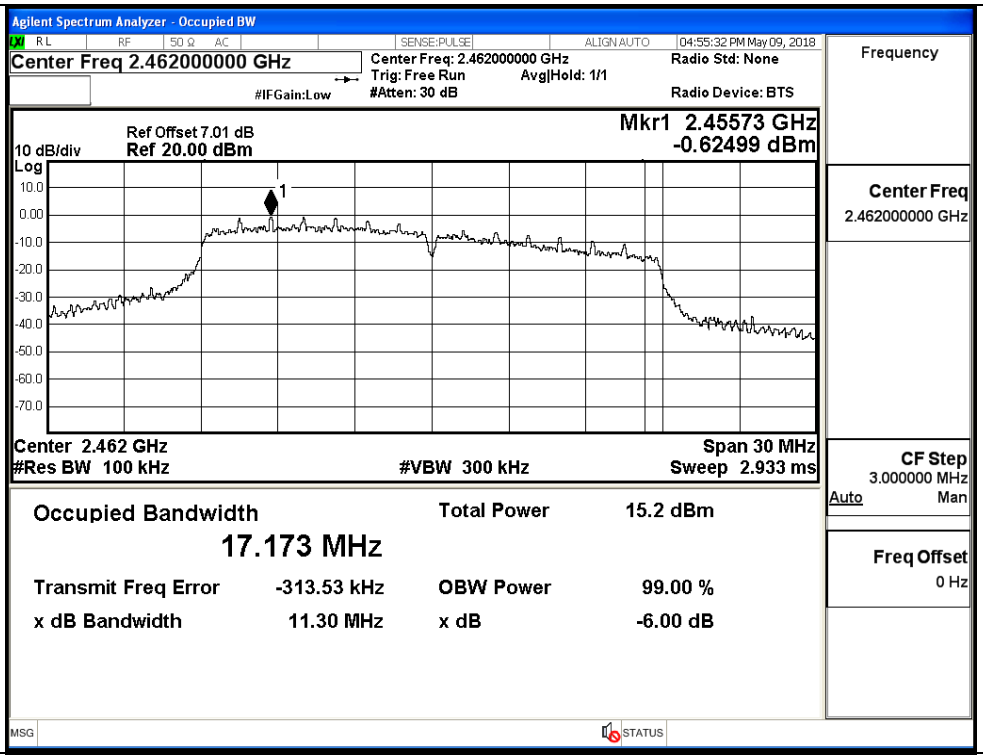
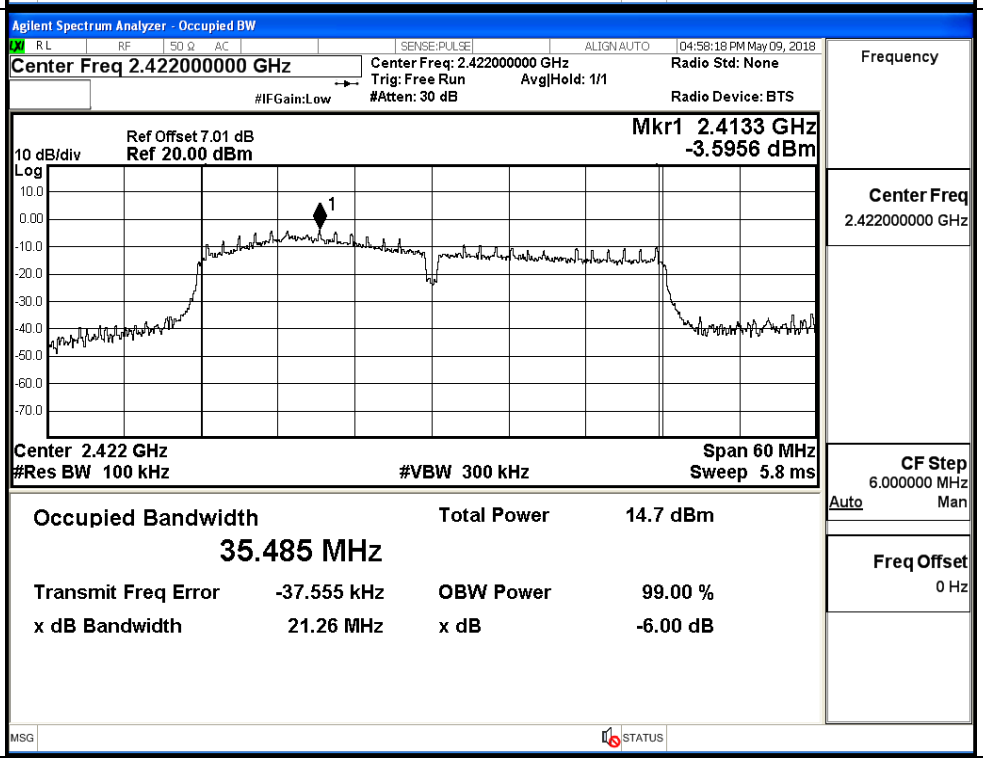
11G/MCH

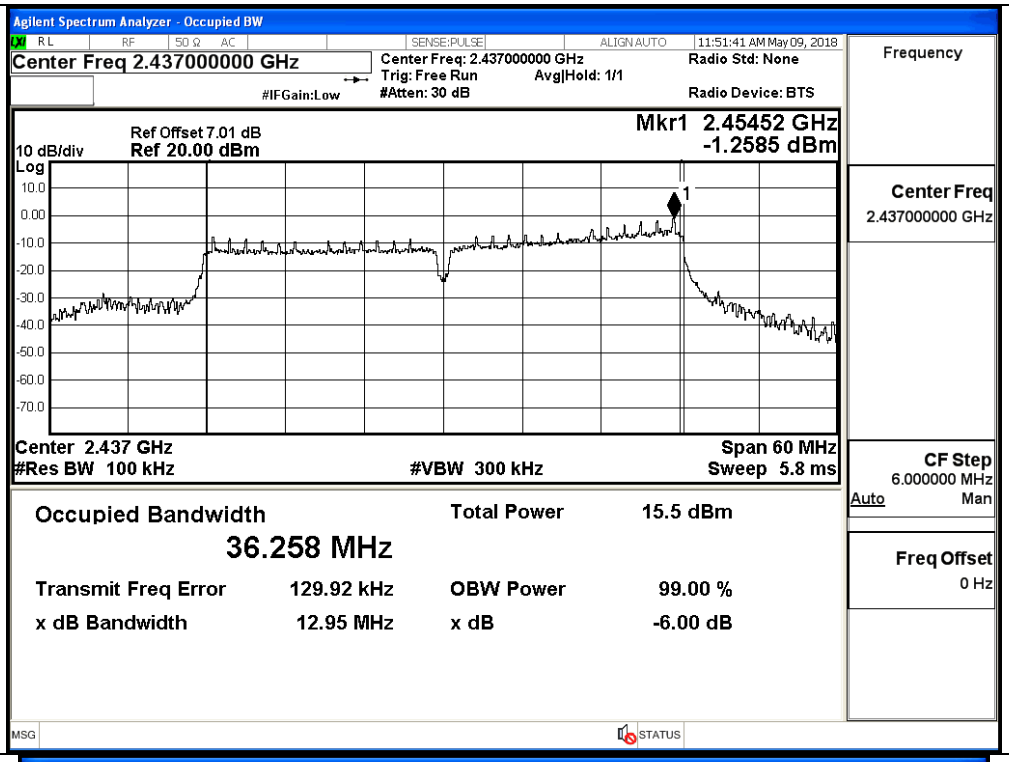
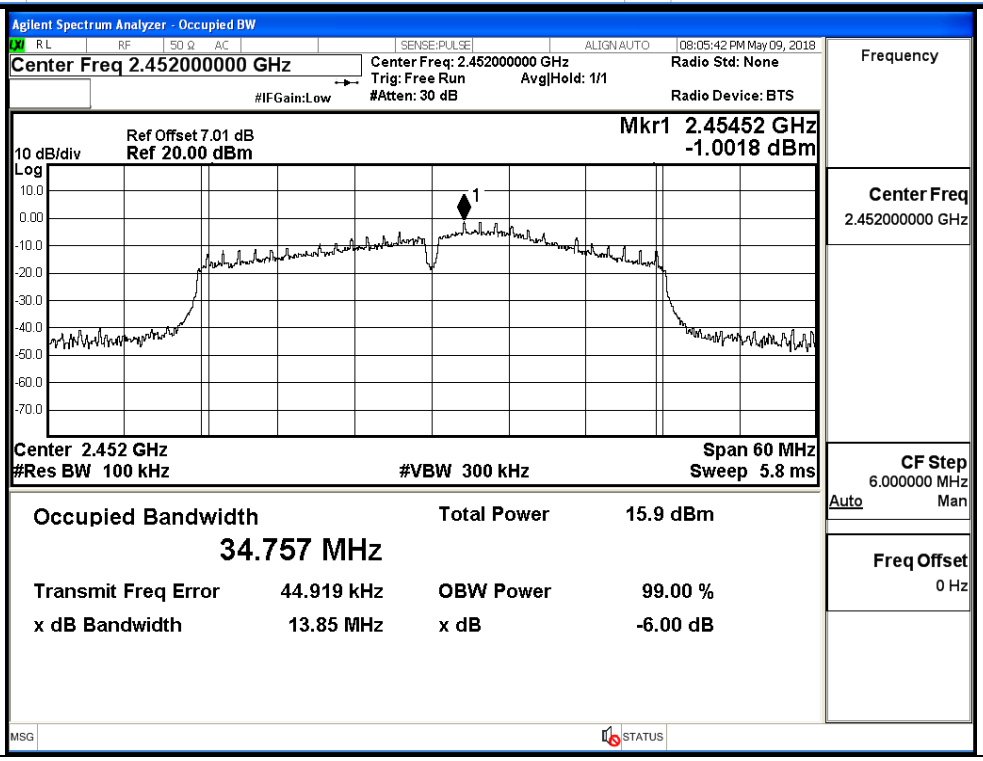


11G/HCH



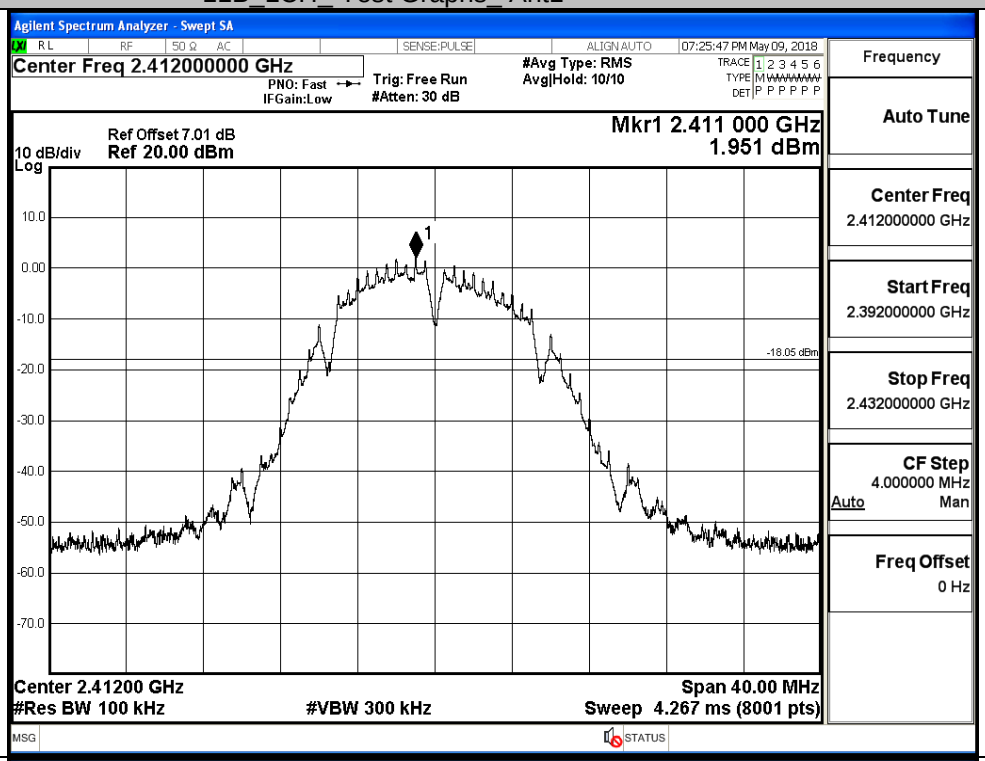
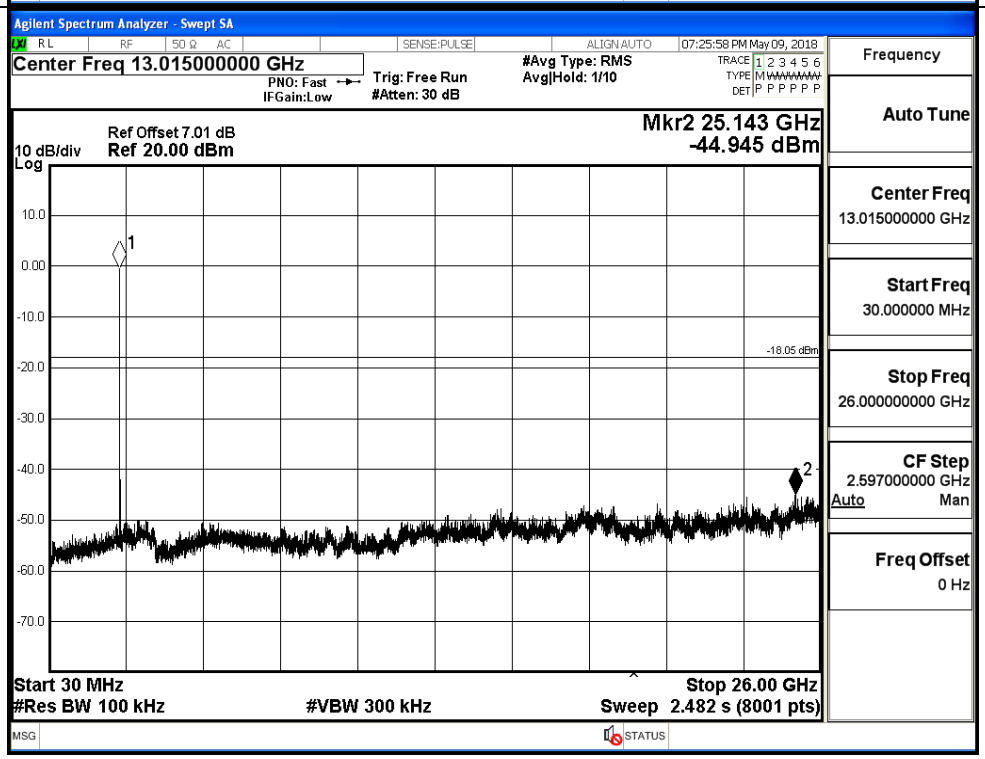
11N20SISO/LCH	
11N20SISO/MCH	

11N20SISO/HCH		
11N40SISO/LCH		

11N40SISO/MCH	
11N40SISO/HCH	

A.4 RF Conducted Spurious Emissions

Mode	Channel	Antenna	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	Ant1	1.951	-44.945	-18.049	PASS
	MCH	Ant1	4.041	-45.591	-15.959	PASS
	HCH	Ant1	3.228	-45.040	-16.772	PASS
11G	LCH	Ant1	-3.022	-44.043	-23.022	PASS
	MCH	Ant1	-5.74	-45.212	-25.740	PASS
	HCH	Ant1	-1.401	-43.724	-21.401	PASS
11N20SISO	LCH	Ant1	-4.004	-44.684	-24.004	PASS
	MCH	Ant1	-6.135	-44.341	-26.135	PASS
	HCH	Ant1	-1.515	-44.970	-21.515	PASS
11N40SISO	LCH	Ant1	-6.475	-44.275	-26.475	PASS
	MCH	Ant1	-4.324	-45.546	-24.324	PASS
	HCH	Ant1	-2.607	-45.083	-22.607	PASS
11B	LCH	Ant2	1.112	-44.296	-18.888	PASS
	MCH	Ant2	1.114	-44.658	-18.886	PASS
	HCH	Ant2	0.808	-44.739	-19.192	PASS
11G	LCH	Ant2	-3.047	-44.368	-23.047	PASS
	MCH	Ant2	-2.808	-44.426	-22.808	PASS
	HCH	Ant2	-0.532	-44.876	-20.532	PASS
11N20SISO	LCH	Ant2	-3.255	-44.881	-23.255	PASS
	MCH	Ant2	-2.242	-44.563	-22.242	PASS
	HCH	Ant2	-0.815	-44.613	-20.815	PASS
11N40SISO	LCH	Ant2	-3.24	-44.572	-23.240	PASS
	MCH	Ant2	-1.098	-44.900	-21.098	PASS
	HCH	Ant2	-1.085	-44.200	-21.085	PASS

11B_LCH_ Test Graphs_ Ant1	
Pref/11B/LCH	
Puw/11B/LCH	

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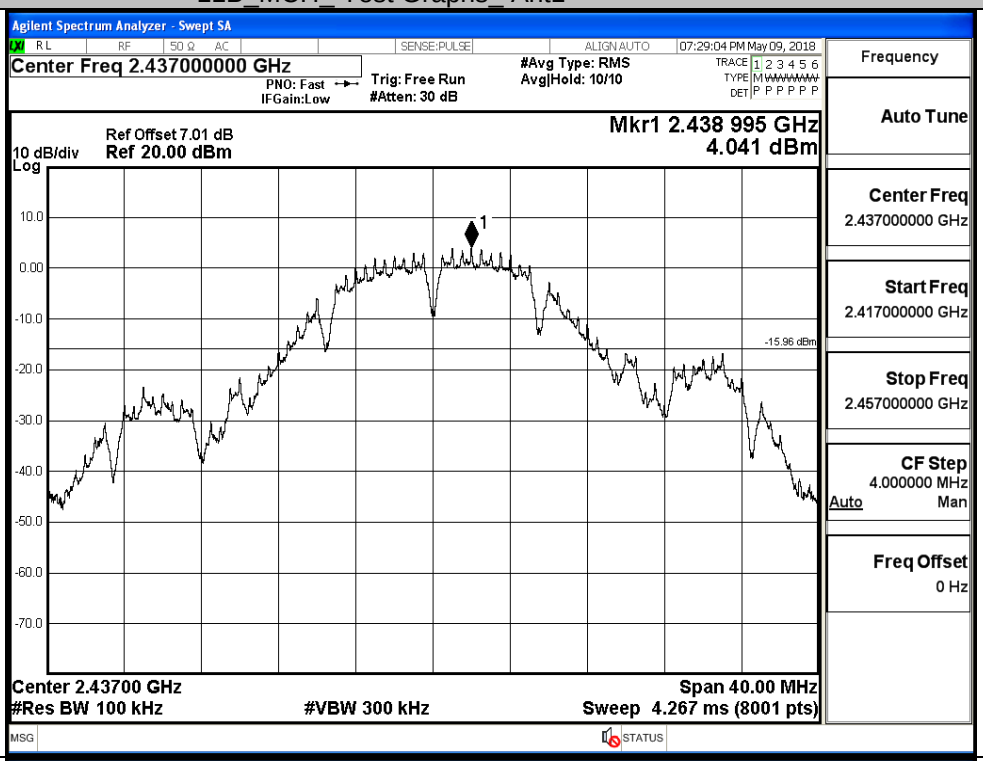
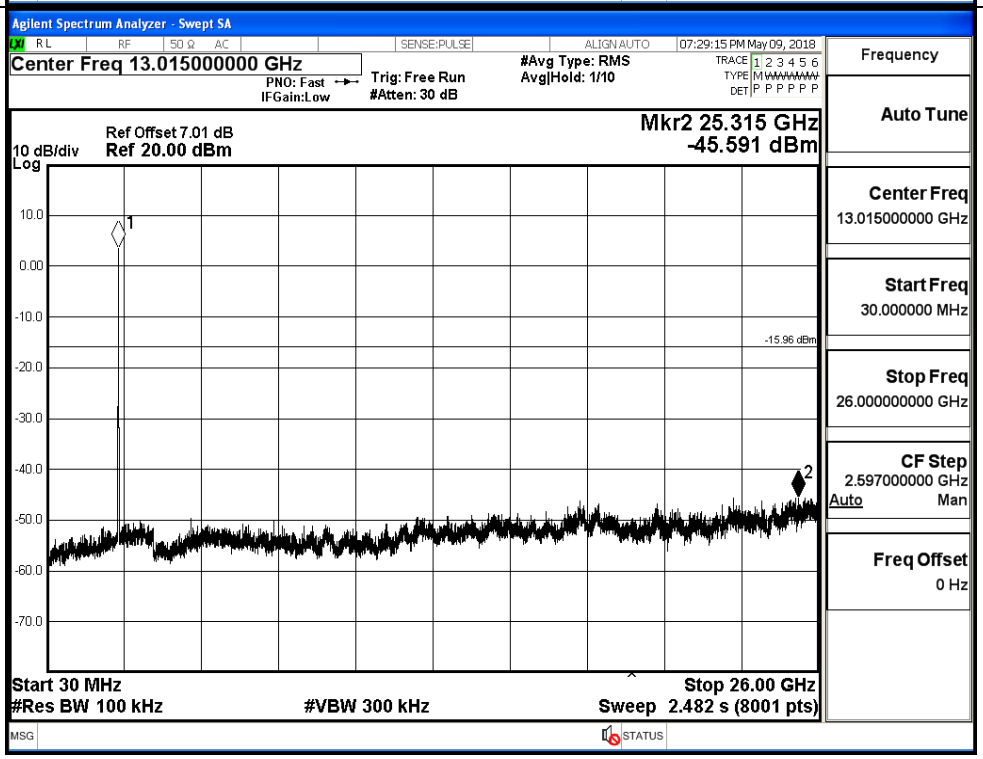
Pref/11B/MCH	
Puw/11B/MCH	

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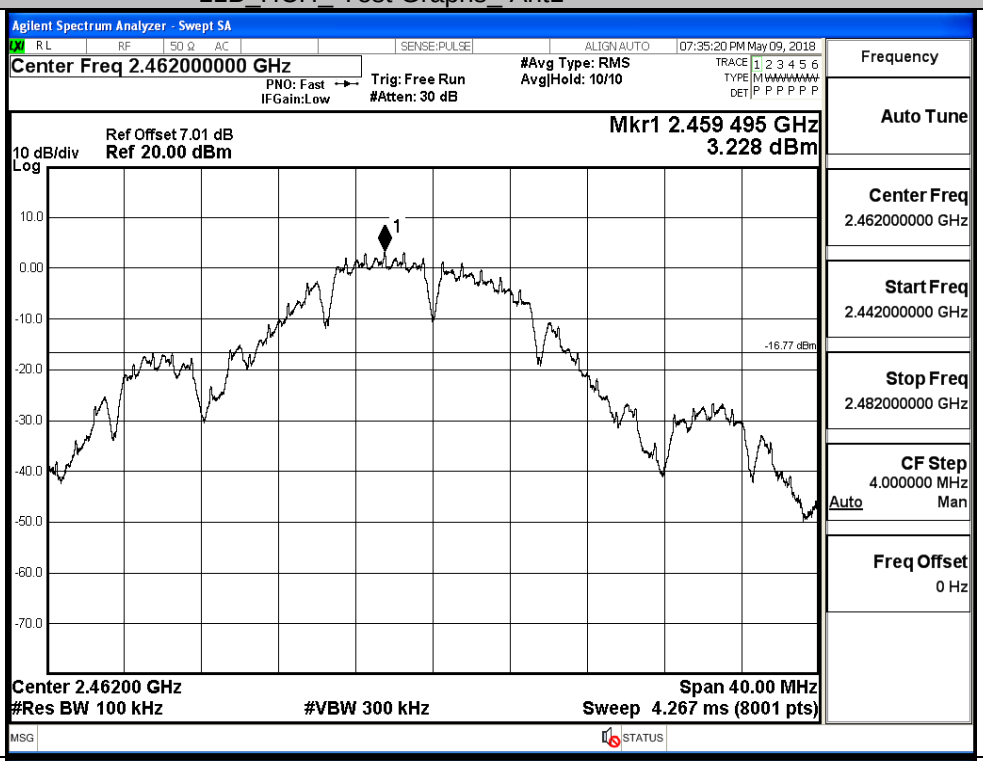
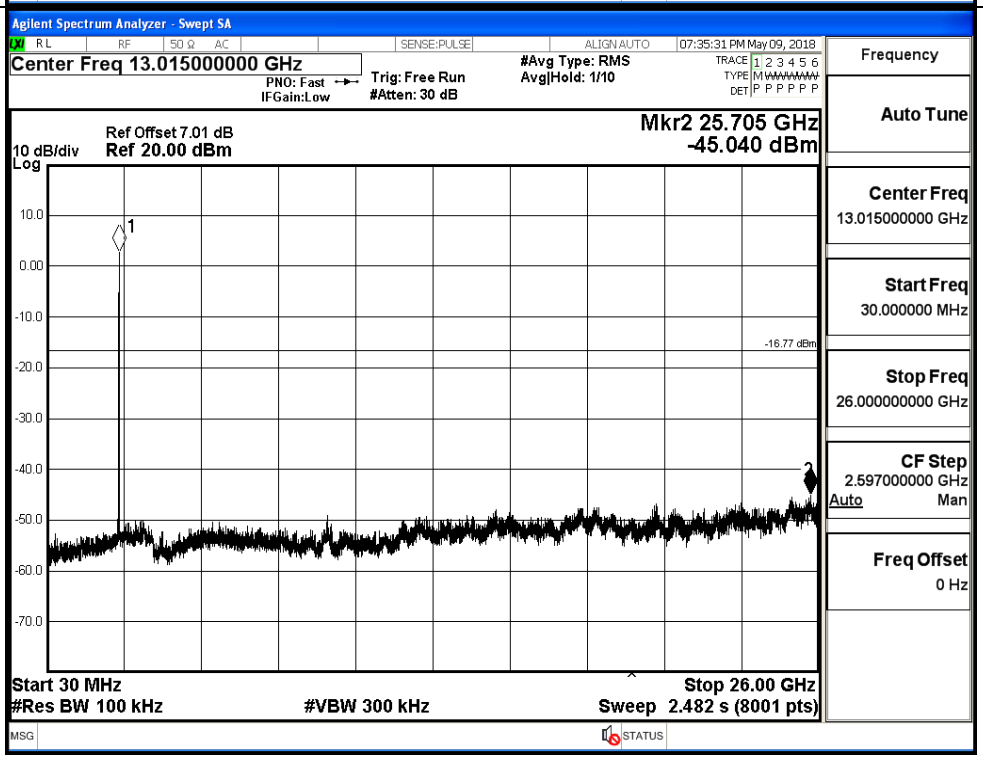
Pref/11B/HCH	
Puw/11B/HCH	

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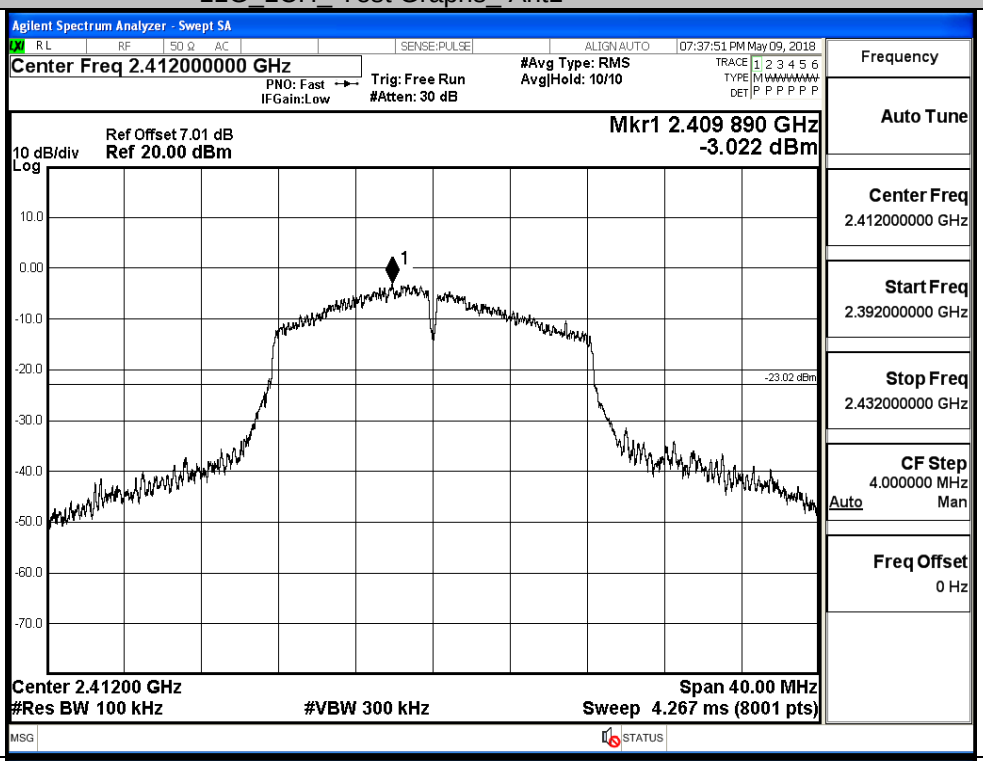
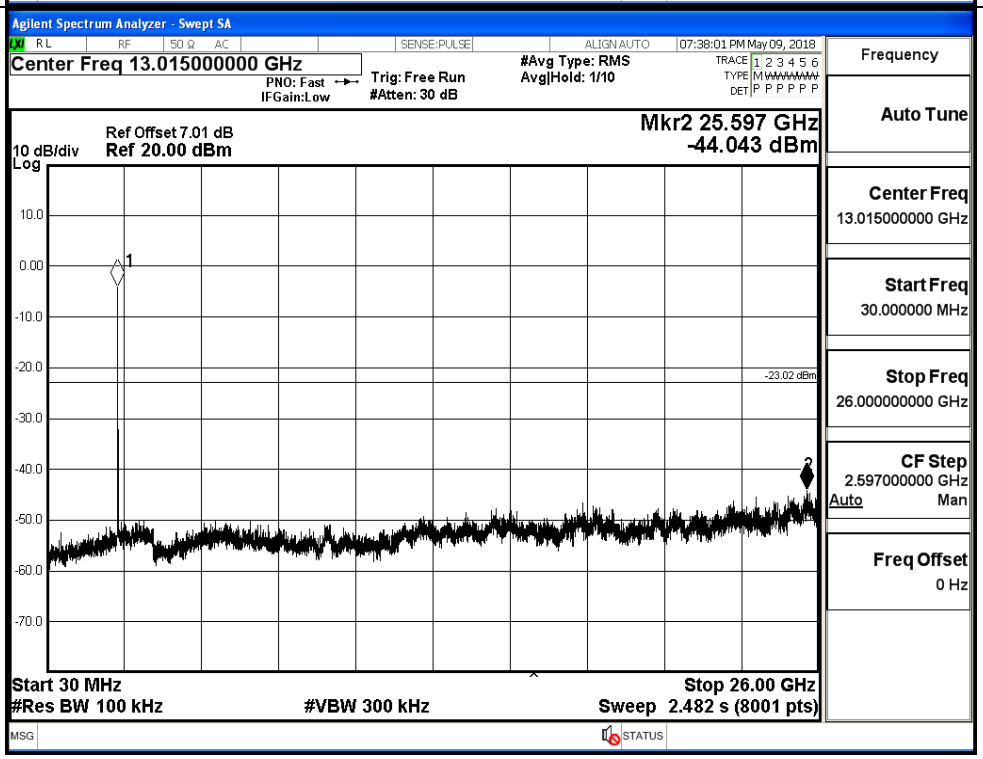
Pref/11G/LCH	
Puw/11G/LCH	

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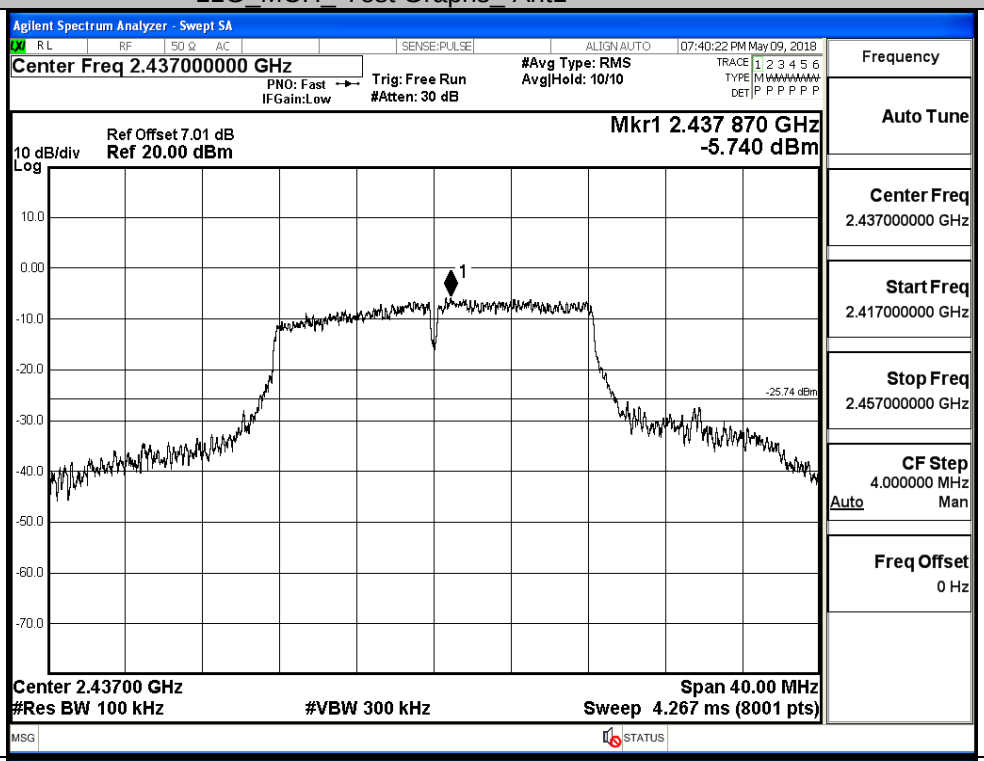
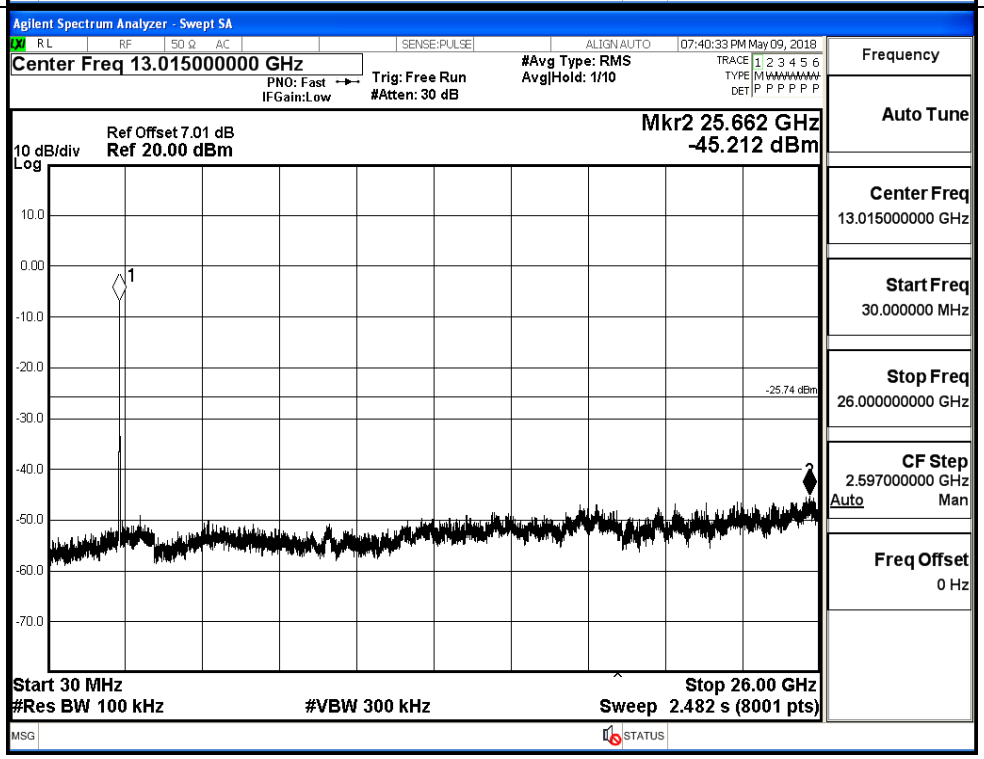
Pref/11G/MCH	
Puw/11G/MCH	

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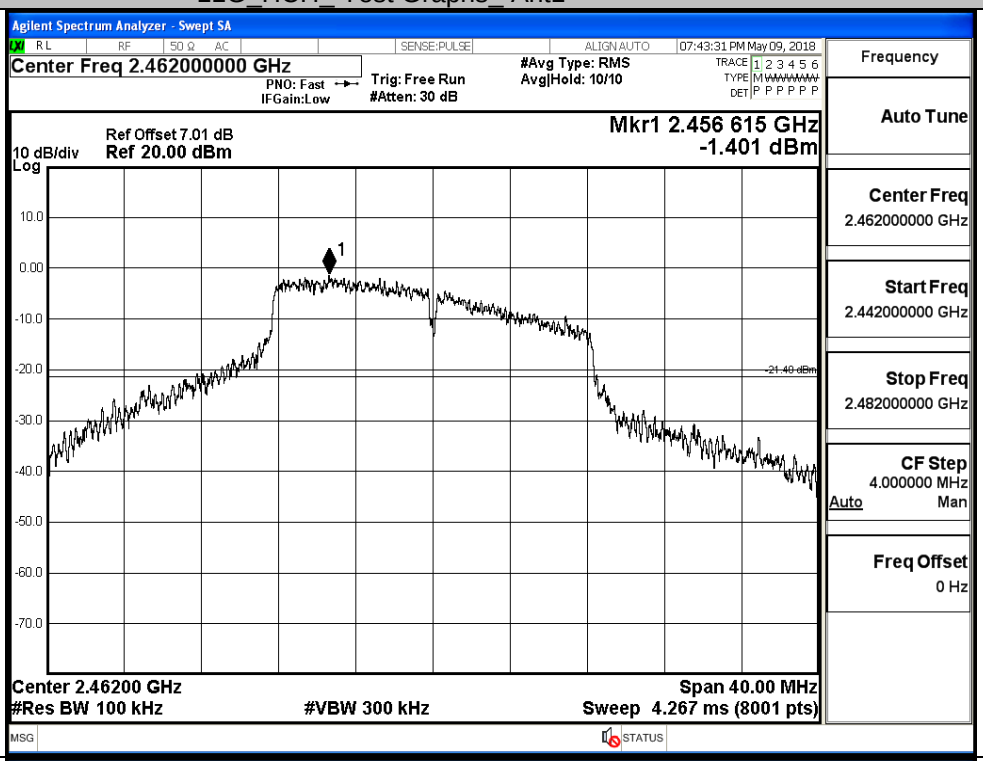
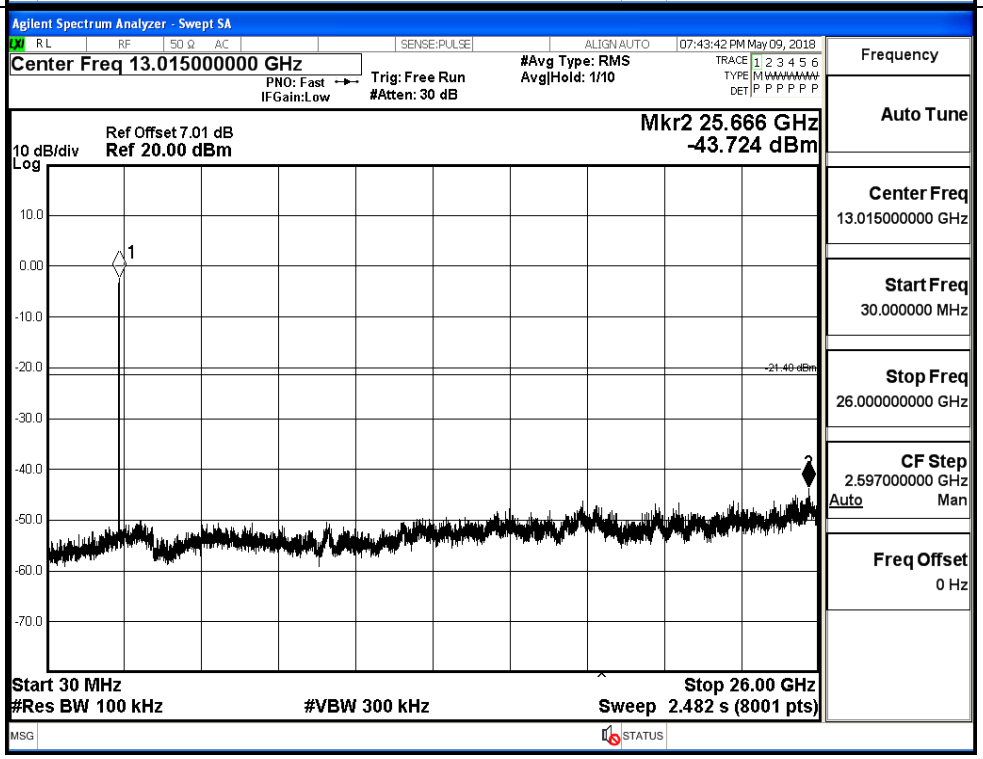
Pref/11G/HCH	
Puw/11G/HCH	

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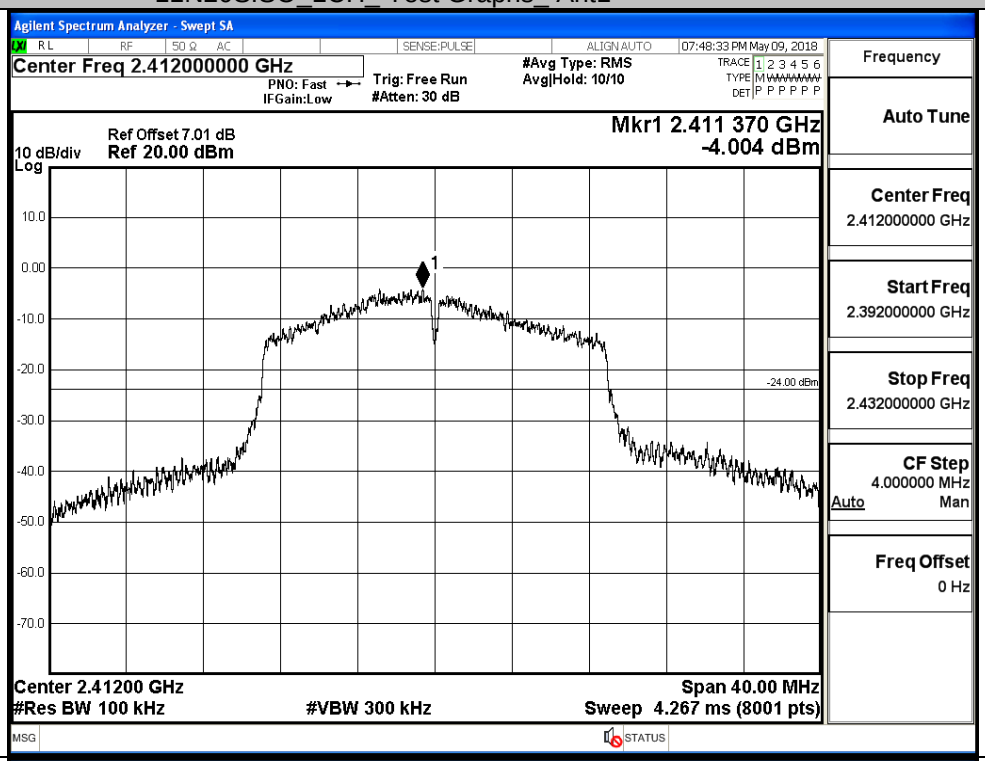
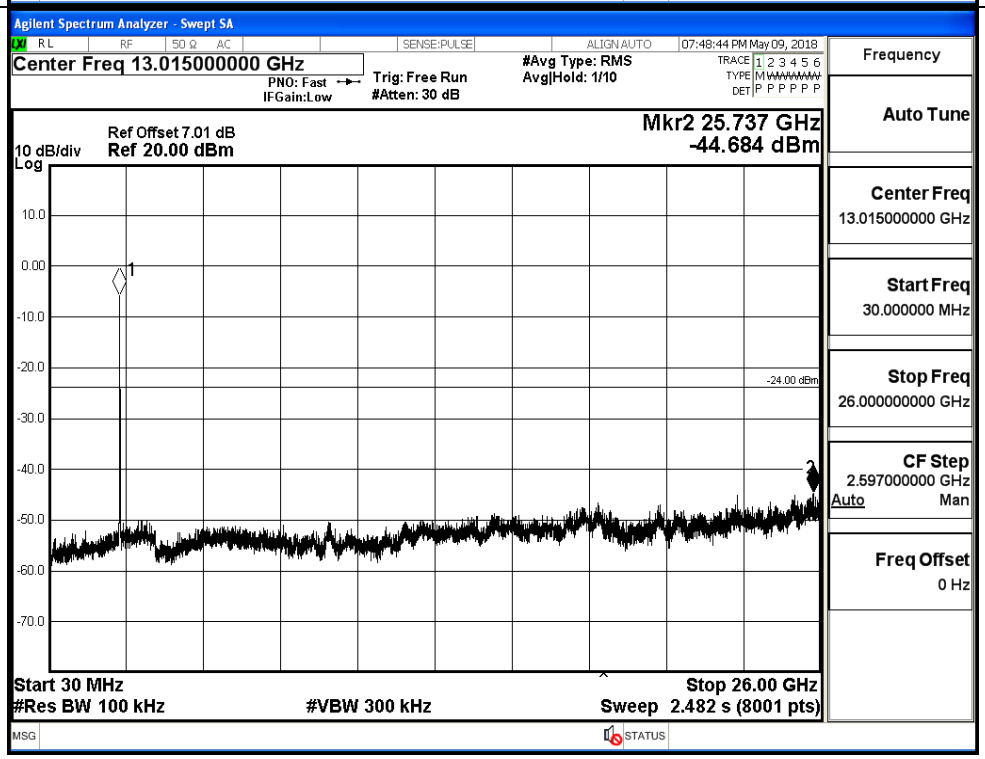
Pref/11N20SISO/LCH		
Puw/11N20SISO/LCH		

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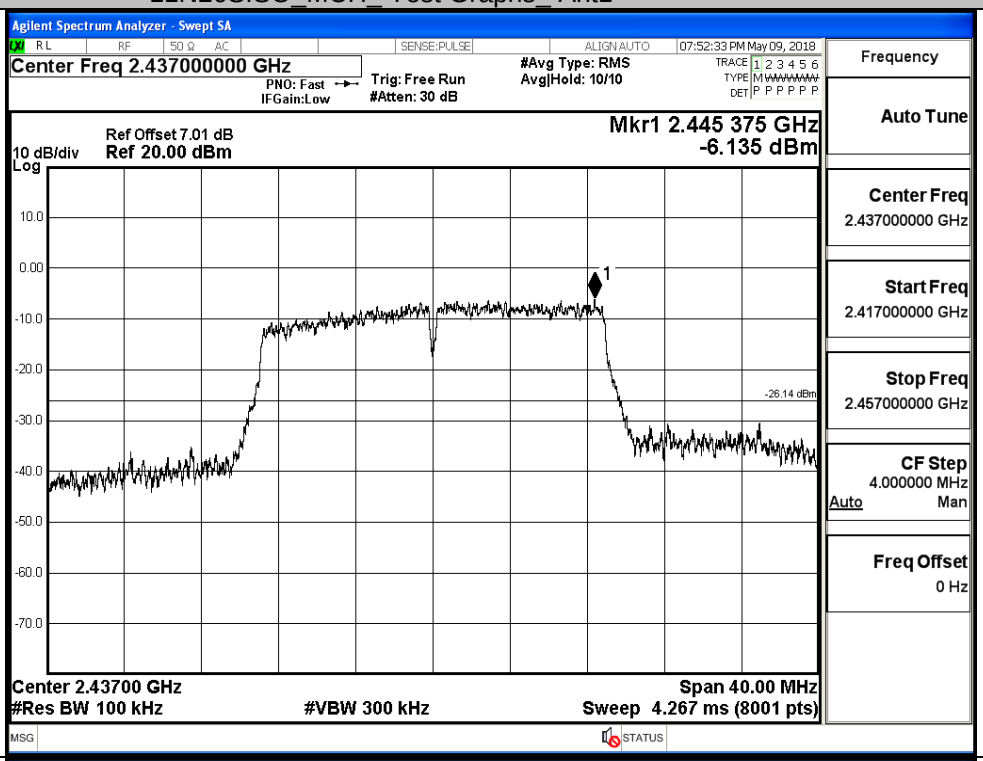
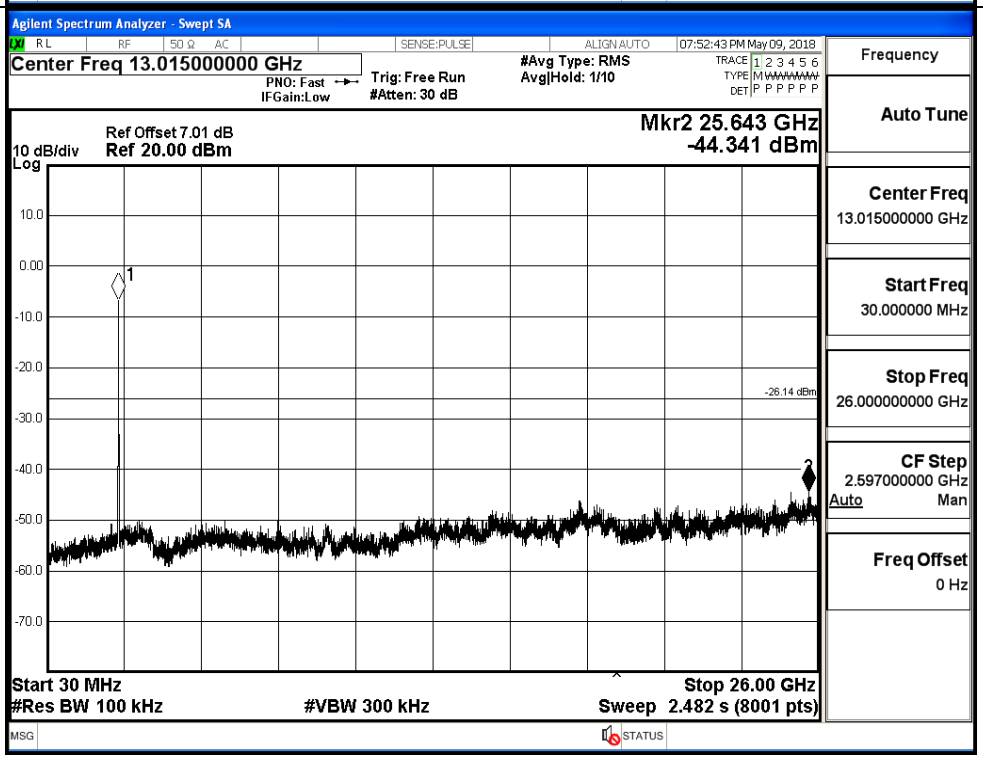
Pref/11N20 SISO/MCH	
Puw/11N20 SISO/MCH	

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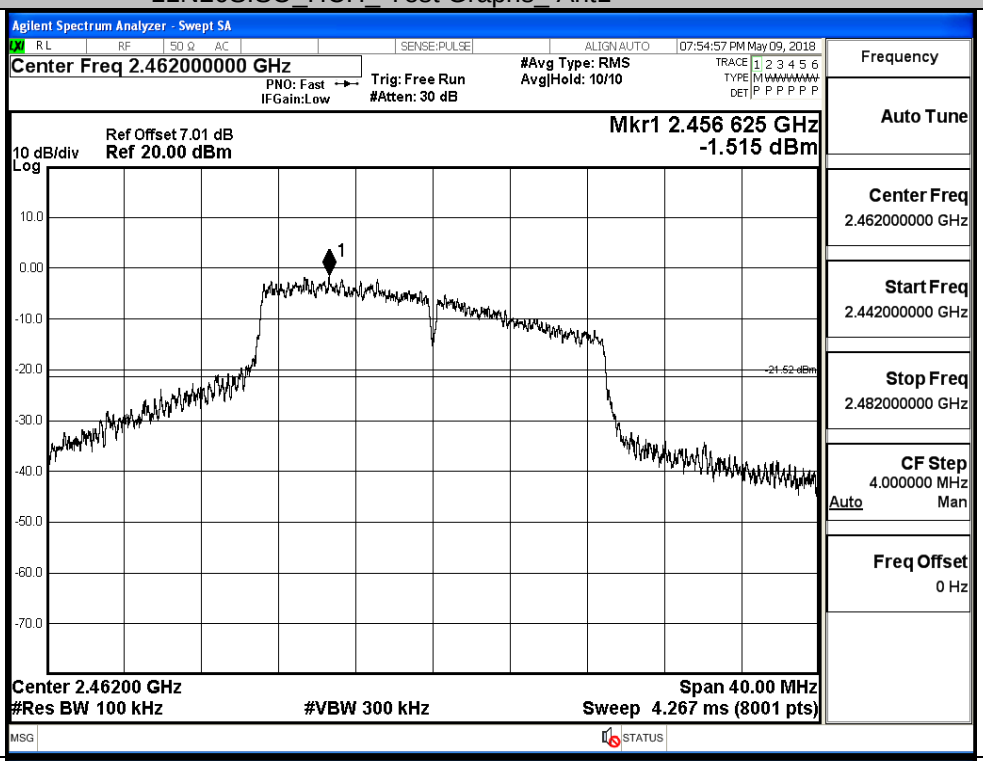
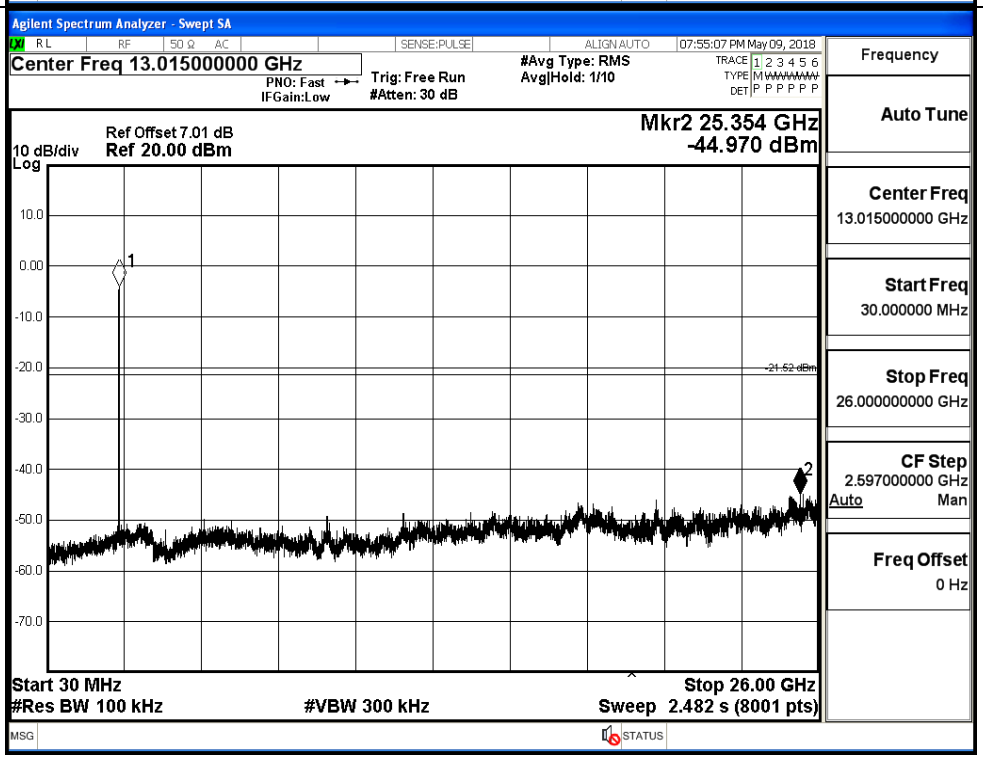
Pref/11N20 SISO/HCH	
Puw/11N20 SISO/HCH	

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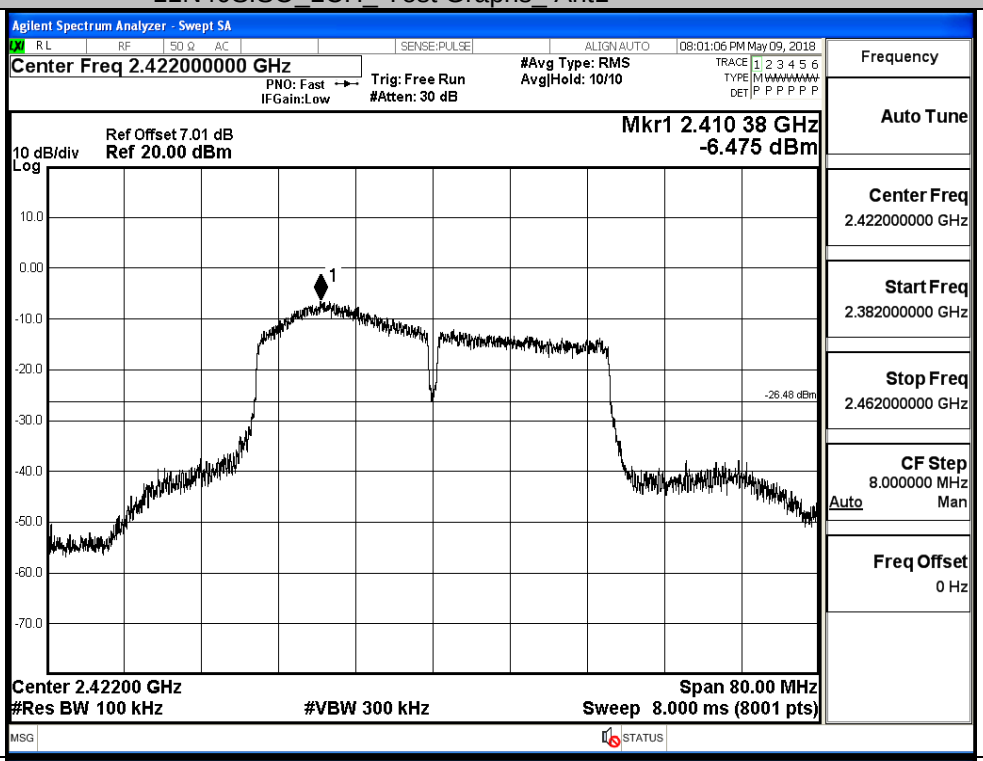
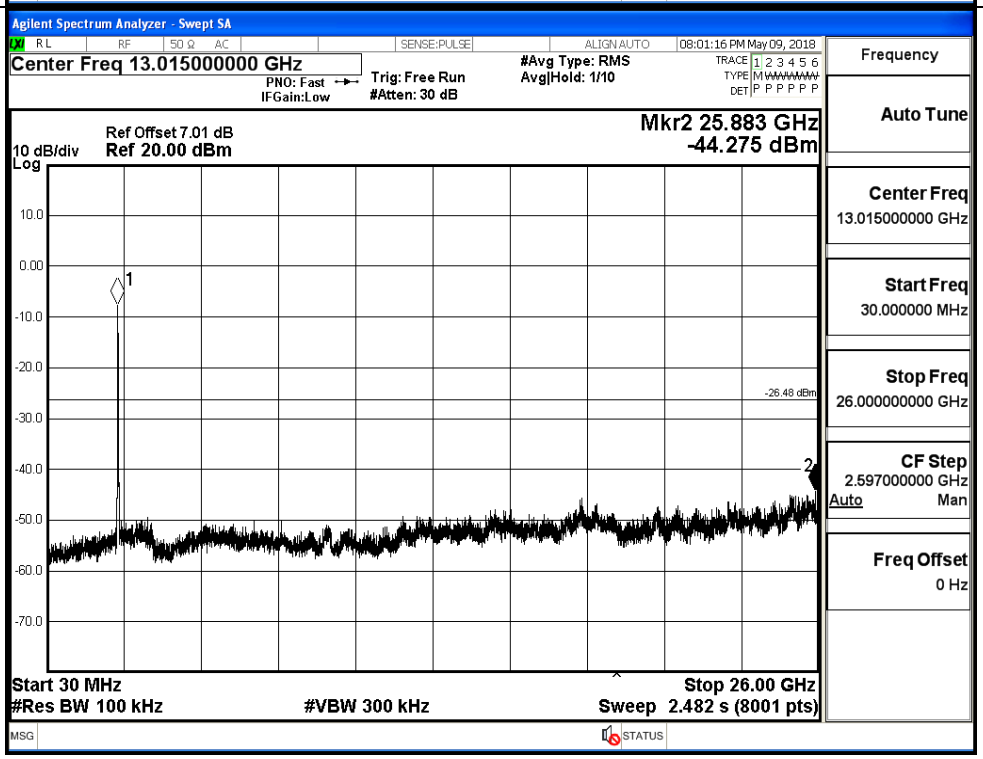
Pref/11N40 SISO/LCH	
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