Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Post Kiosk
Trade Mark: N/A
Test Model: REEF-US-LKS8345A

Environmental Conditions

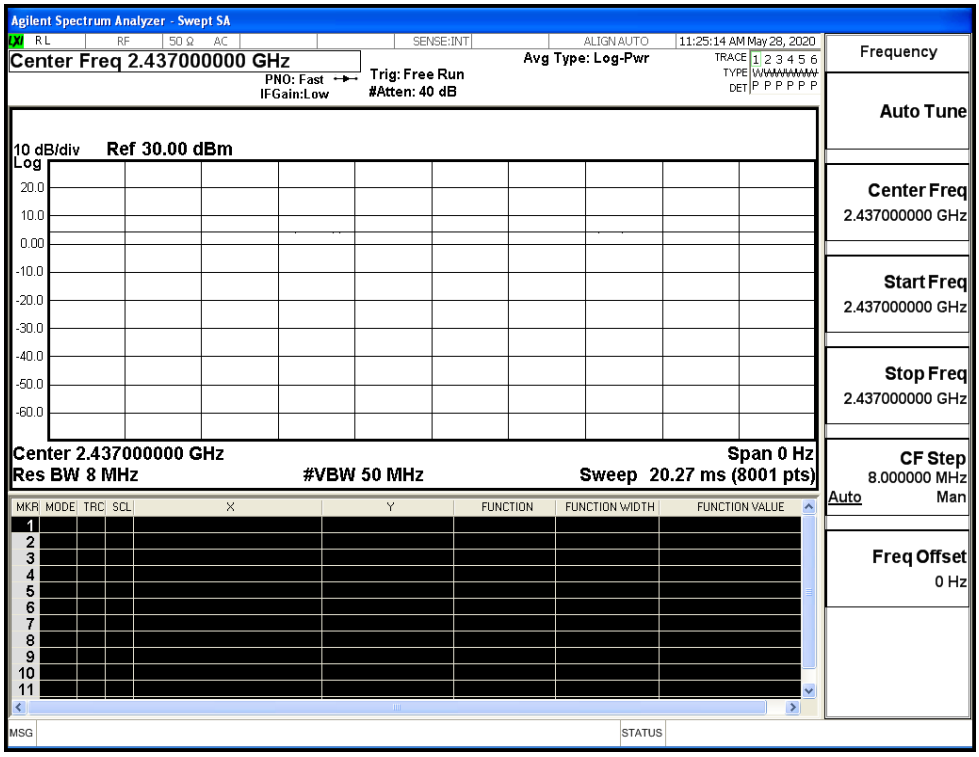
Temperature:	23.5 ° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	QUXIN
Supervised by:	Li Huan

C.1 Duty Cycle

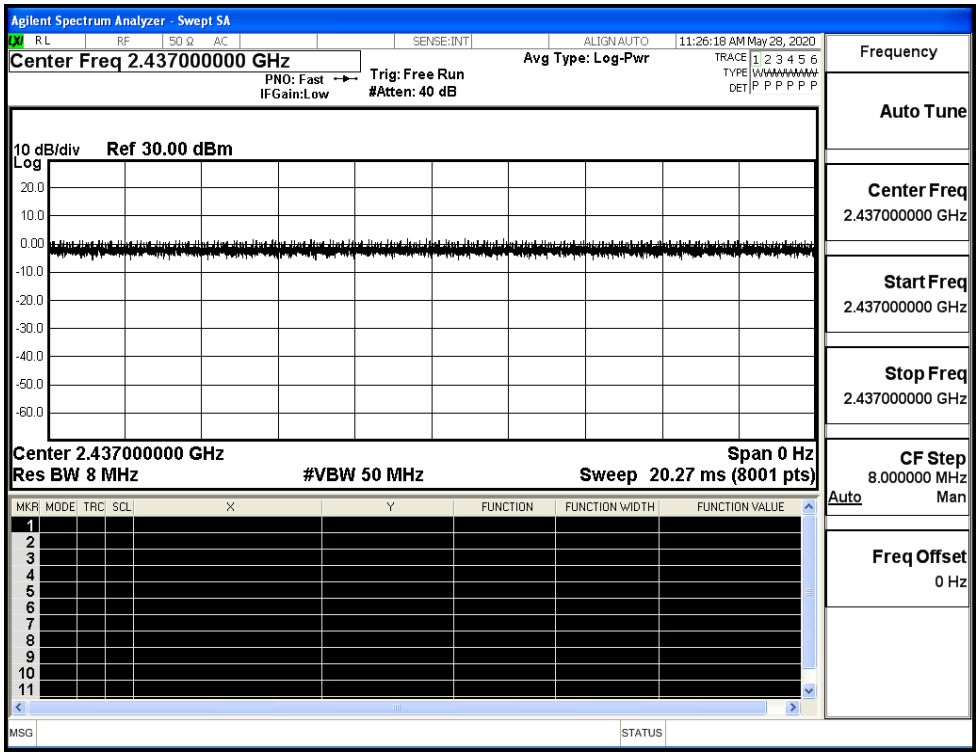
ANT0

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

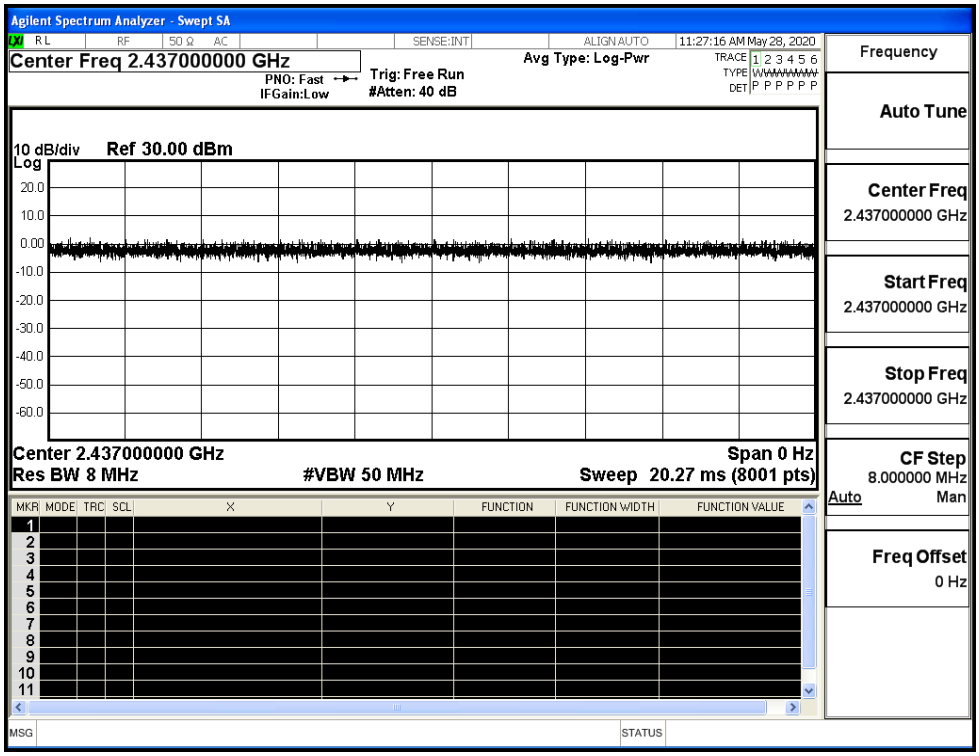
Duty Cycle_11B_2437_Ant1



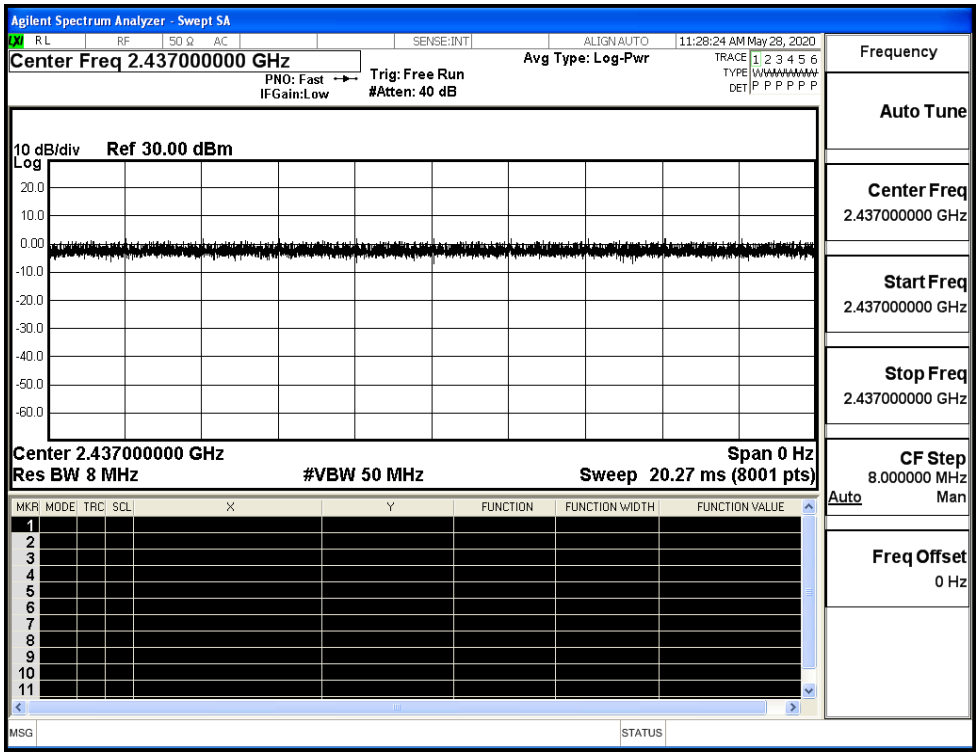
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



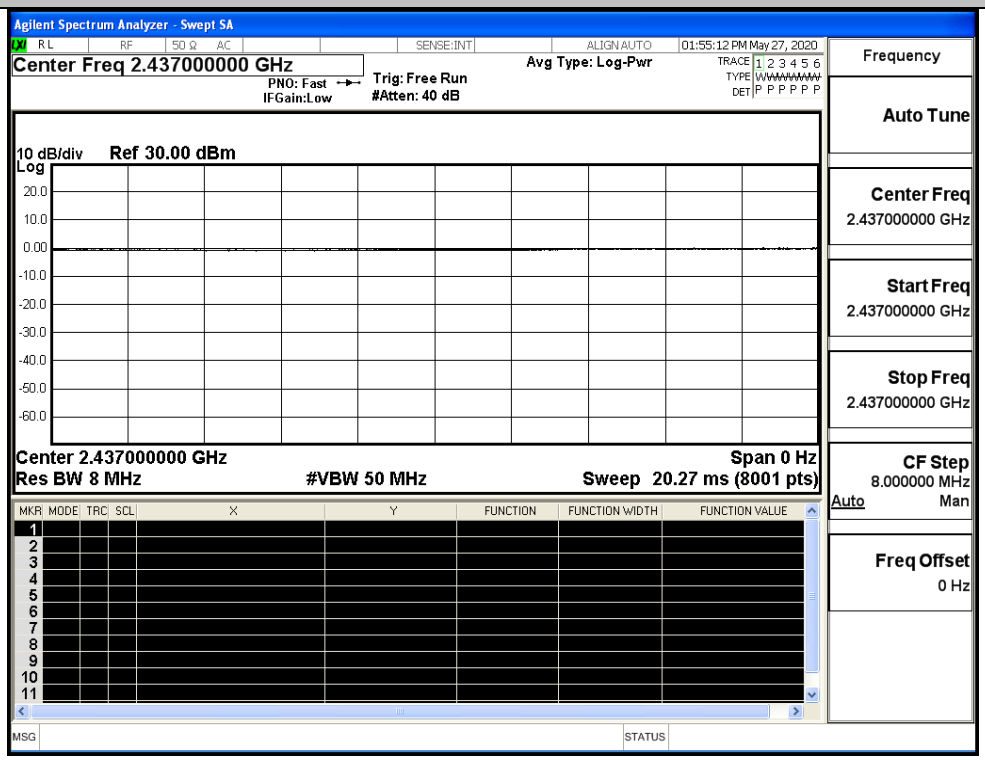
Duty Cycle_11N40SISO_2437_Ant1



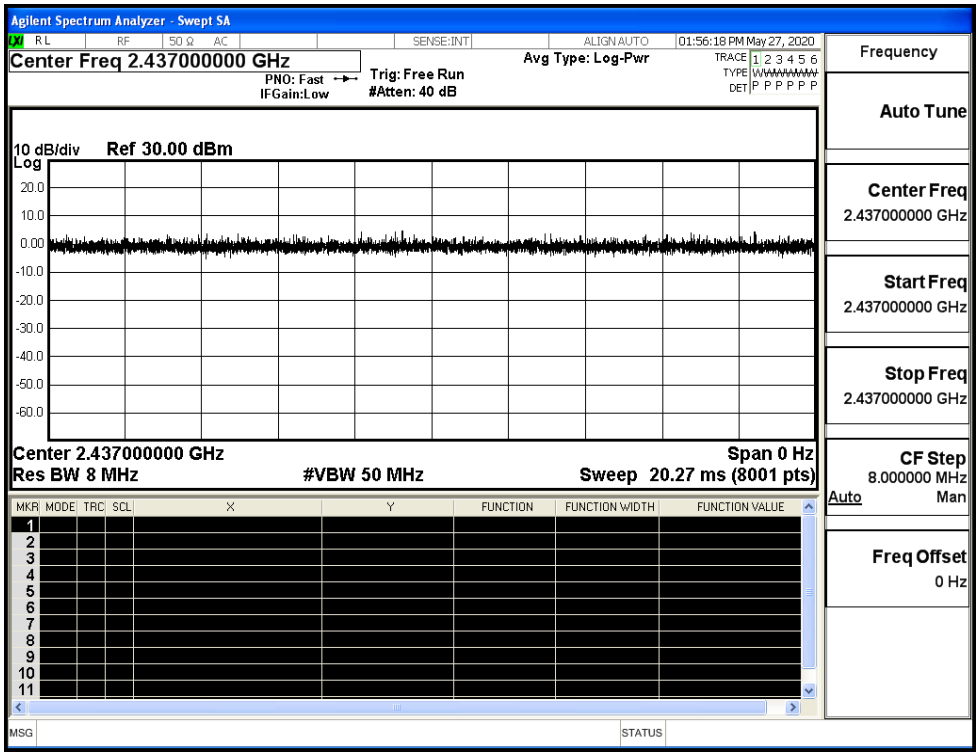
ANT1

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

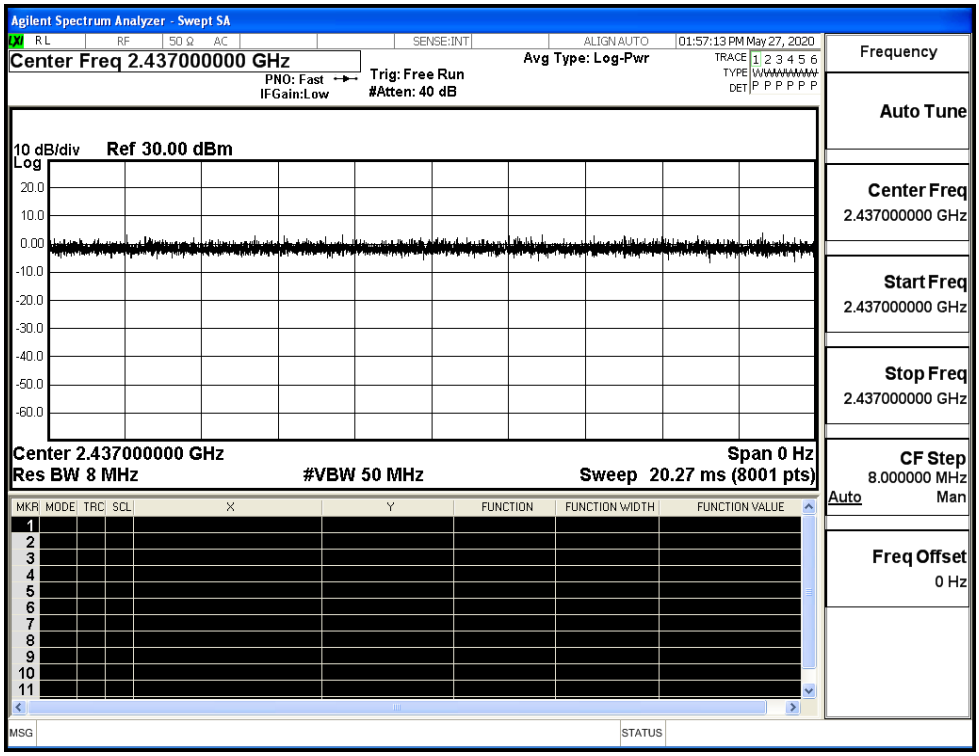
Duty Cycle_11B_2437_Ant1



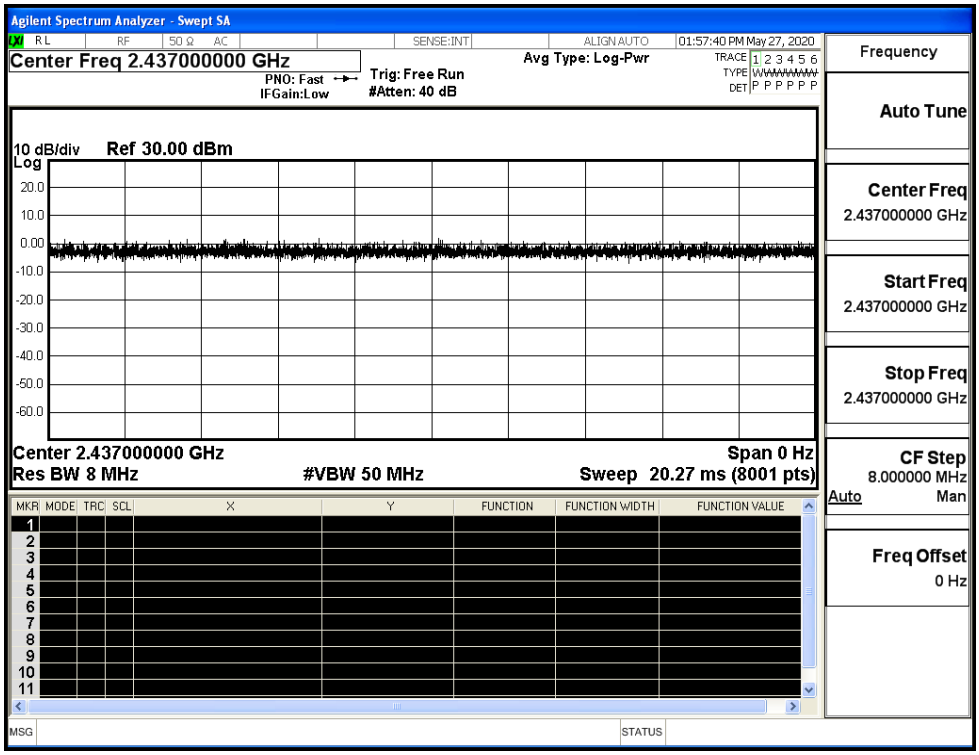
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
01:57:40 PM May 27, 2020
10 dB/div
Ref 30.00 dBm
Log
Center 2.437000000 GHz
Res BW 8 MHz
#VBW 50 MHz
Span 0 Hz
Sweep 20.27 ms (8001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.437000000 GHz
Stop Freq
2.437000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

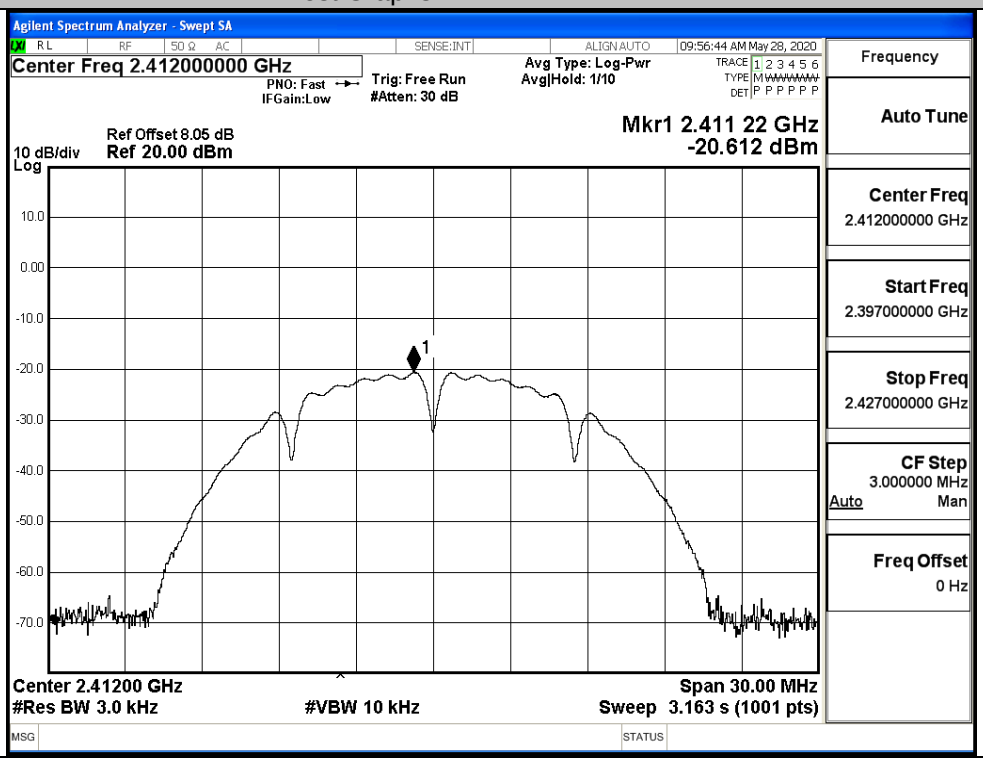
C.2 Maximum Conducted Output Power

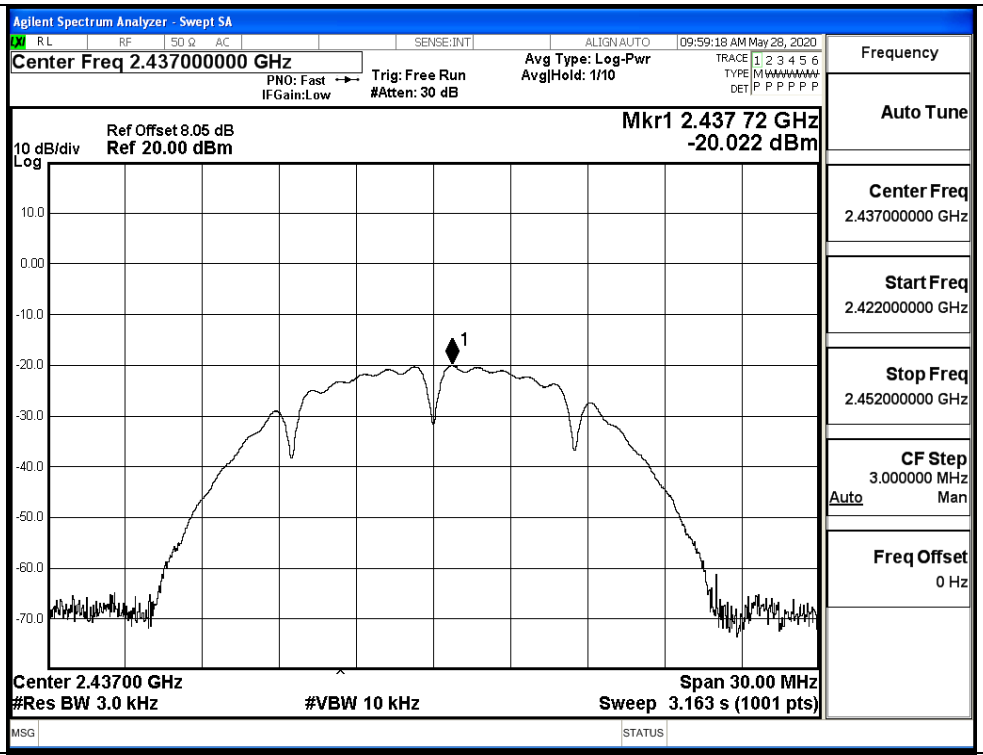
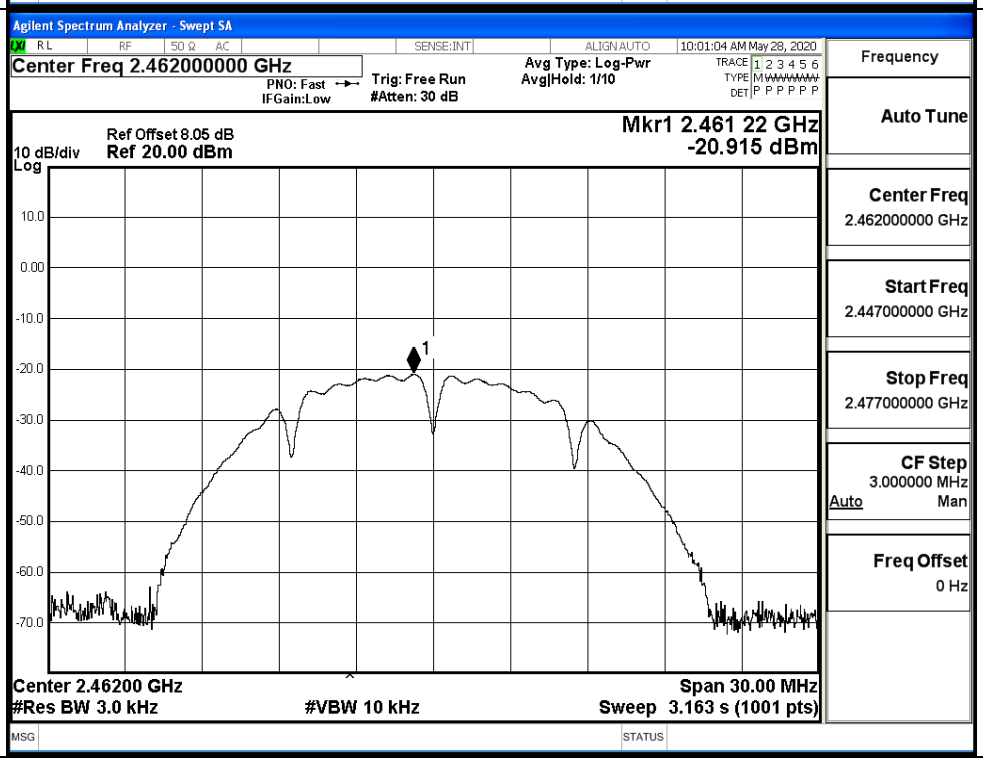
Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	11.02	10.8	/	30	PASS
	MCH	11.45	11.19	/	30	PASS
	HCH	10.54	11.23	/	30	PASS
11G	LCH	10.43	11.22	/	30	PASS
	MCH	10.5	11.23	/	30	PASS
	HCH	10.01	11.4	/	30	PASS
11N20SISO	LCH	10.52	11.21	13.89	30	PASS
	MCH	10.58	11.17	13.90	30	PASS
	HCH	10.00	11.31	13.71	30	PASS
11N40SISO	LCH	10.72	11.6	14.19	30	PASS
	MCH	10.67	11.35	14.03	30	PASS
	HCH	10.58	11.69	14.18	30	PASS

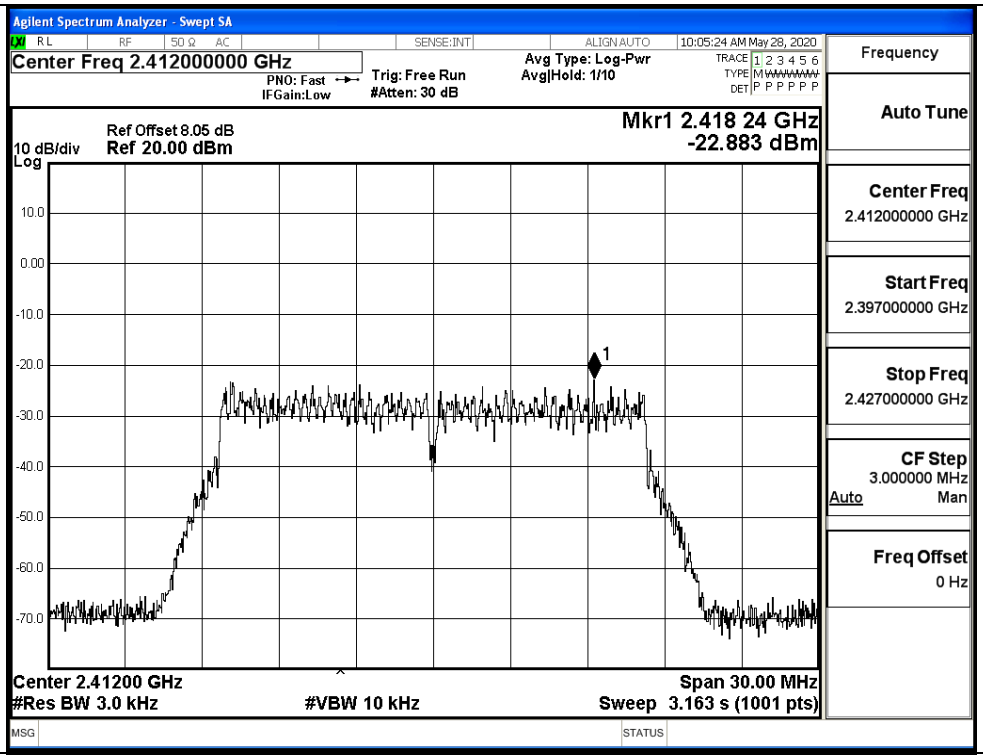
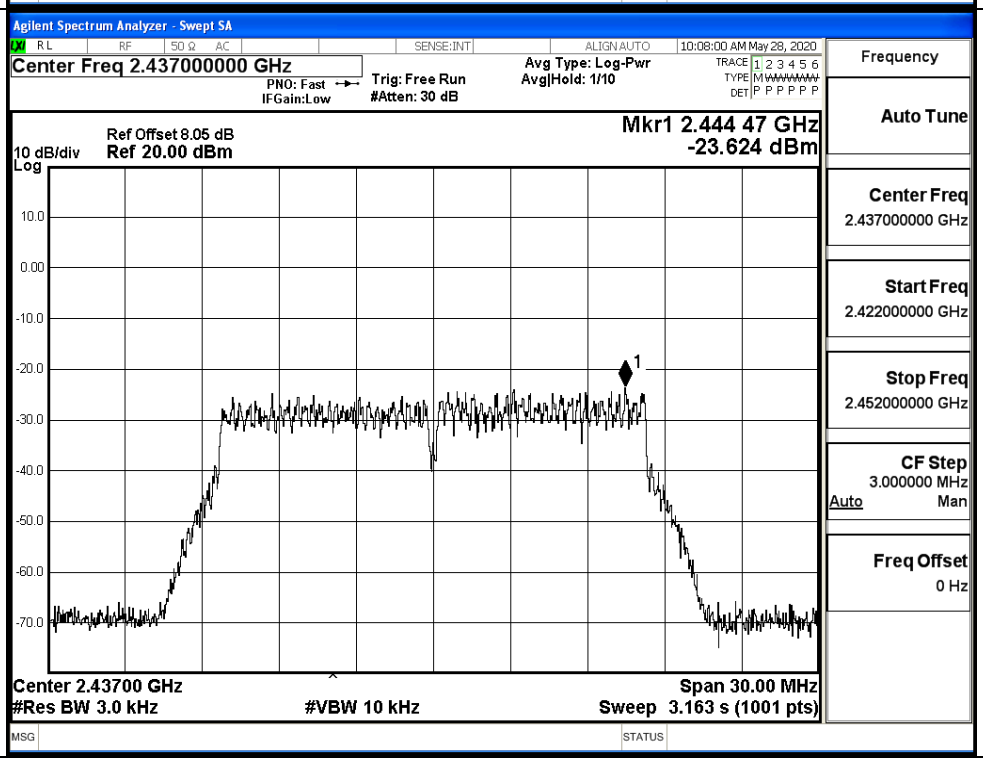
C.3 Maximum Power Spectral Density

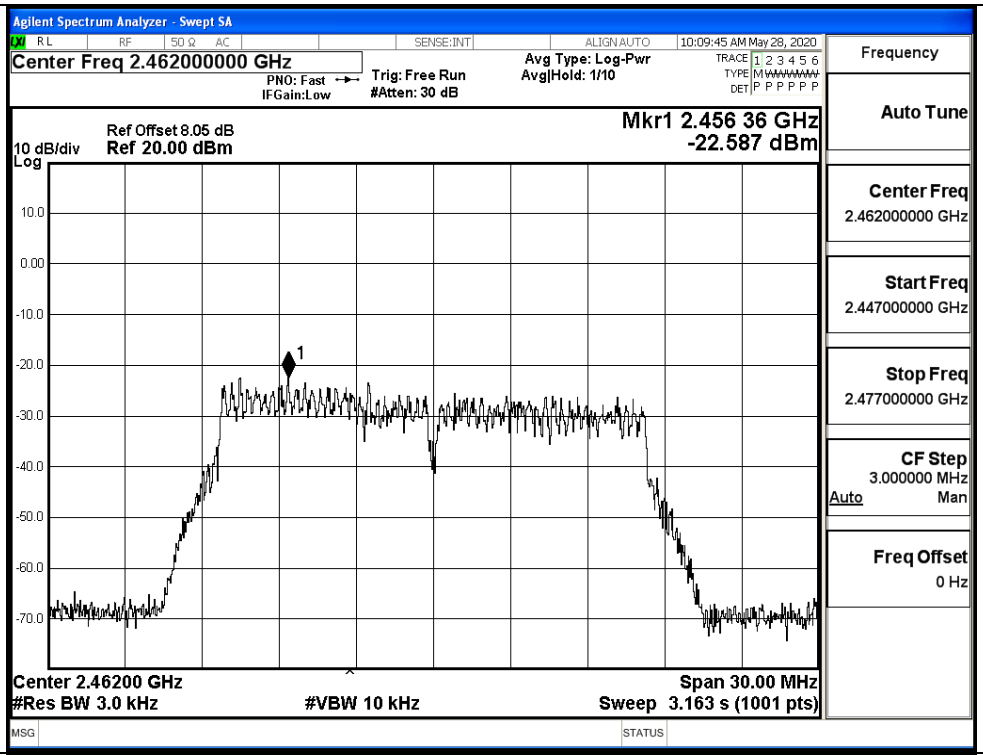
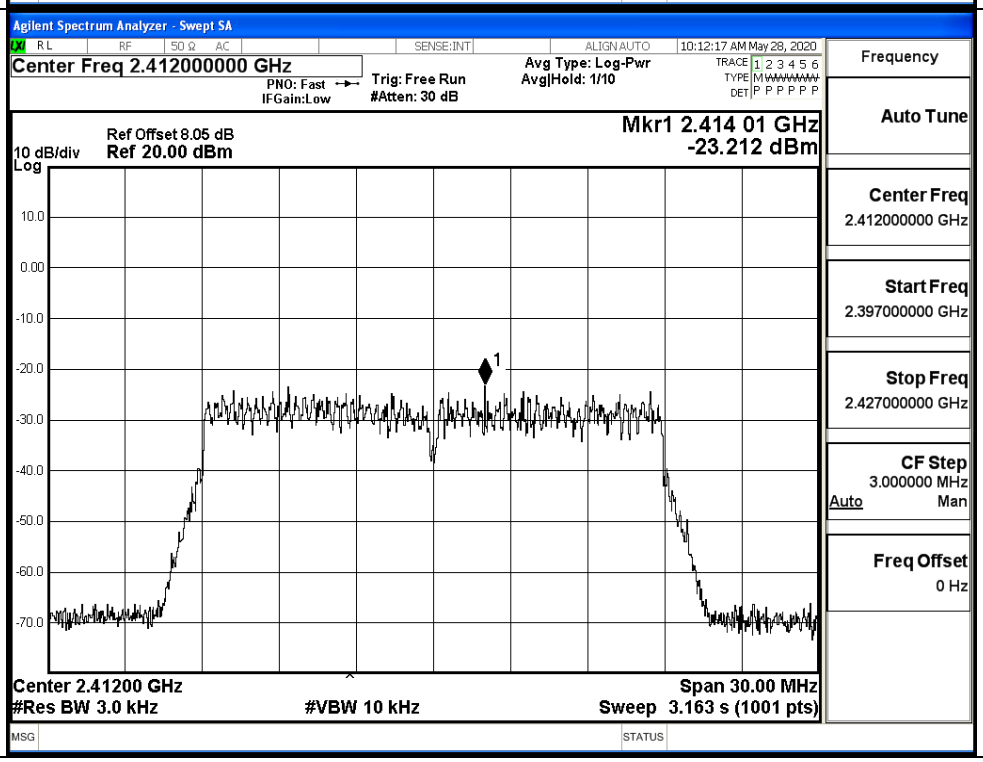
Mode	Channel	Meas.Level [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	-20.612	-15.355	/	8	PASS
	MCH	-20.022	-14.374	/	8	PASS
	HCH	-20.915	-14.694	/	8	PASS
11G	LCH	-22.883	-21.082	/	8	PASS
	MCH	-23.624	-24.434	/	8	PASS
	HCH	-22.587	-22.870	/	8	PASS
11N20SISO	LCH	-23.212	-21.903	-22.14	8	PASS
	MCH	-24.236	-22.691	-22.65	8	PASS
	HCH	-23.922	-22.303	-21.44	8	PASS
11N40SISO	LCH	-24.633	-24.633	-21.62	8	PASS
	MCH	-26.388	-22.778	-21.21	8	PASS
	HCH	-25.257	-22.848	-20.88	8	PASS

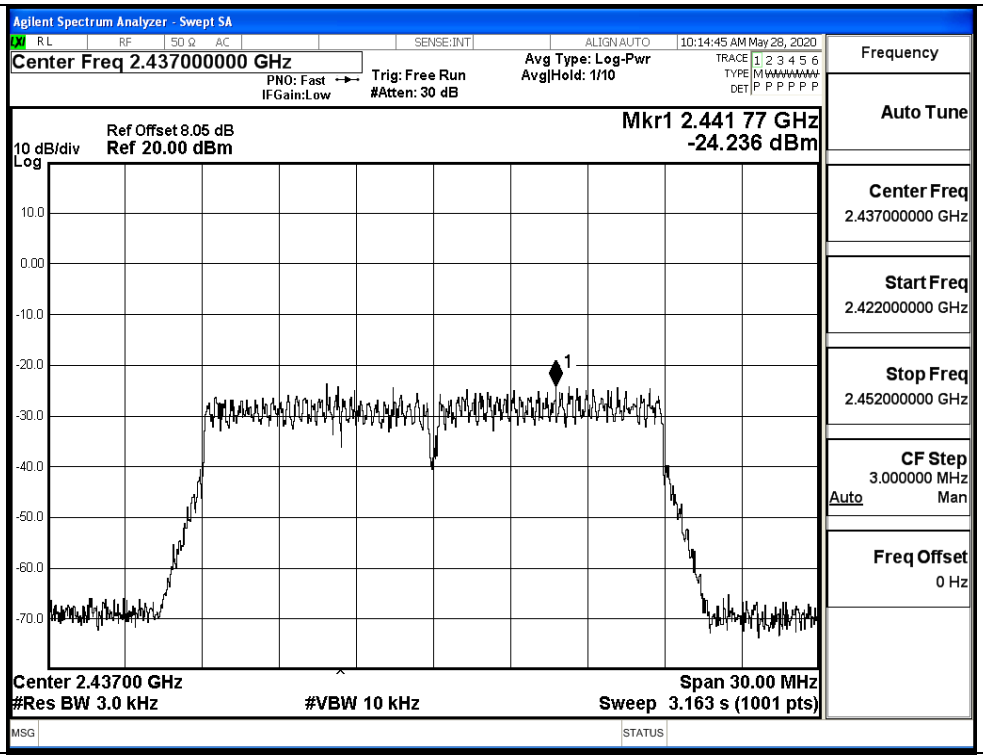
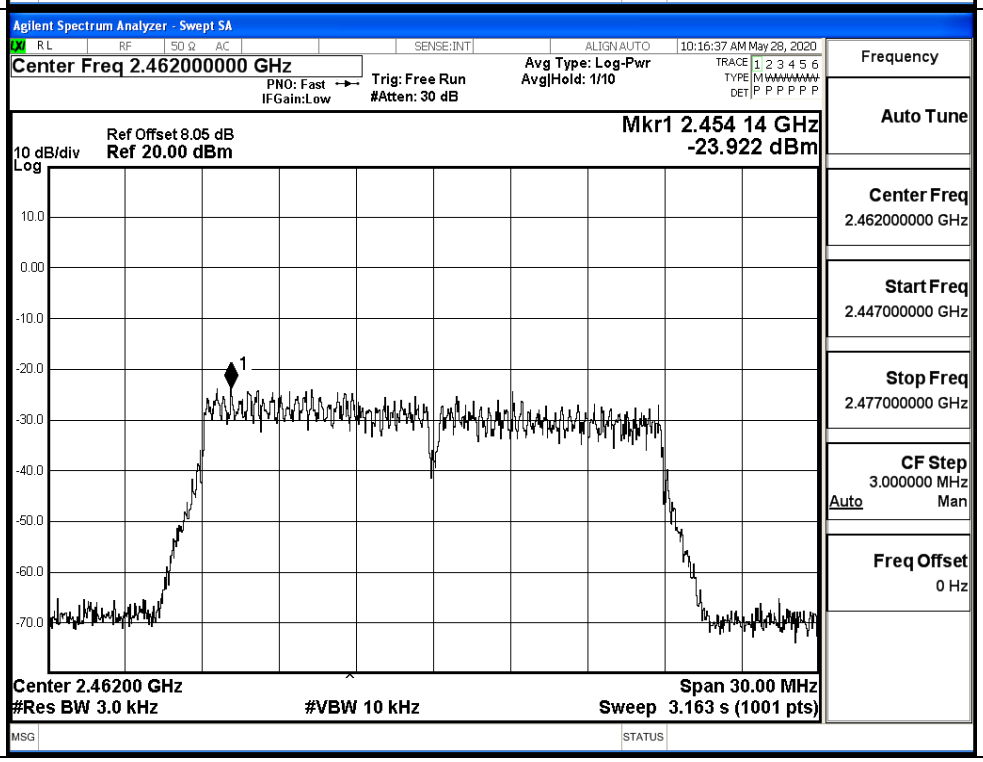
ANT0

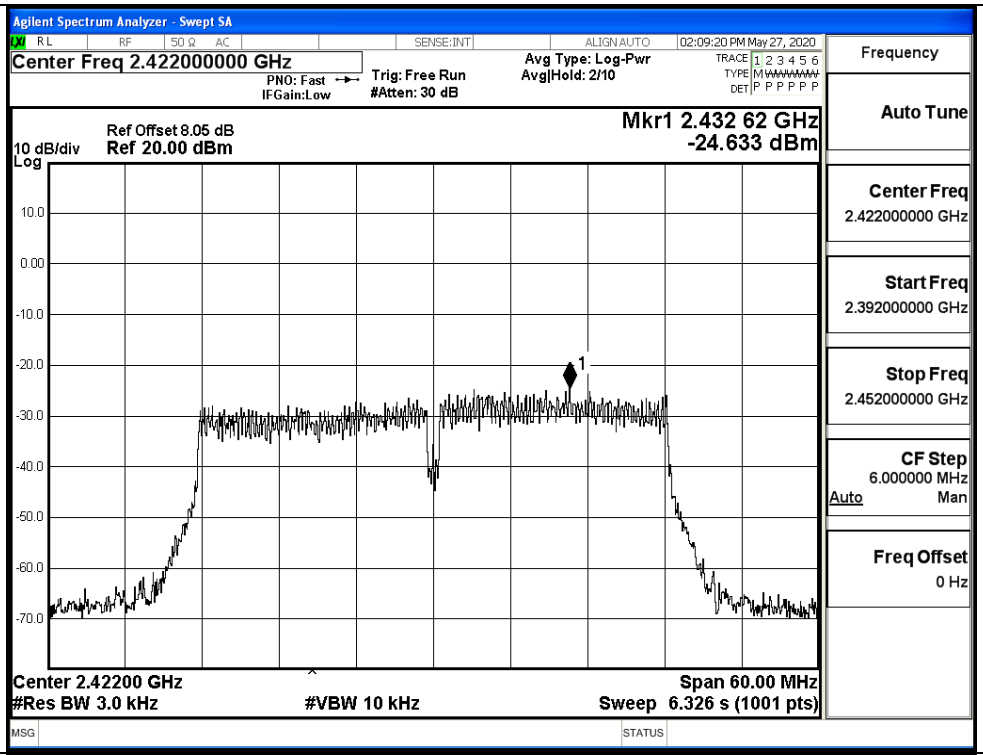
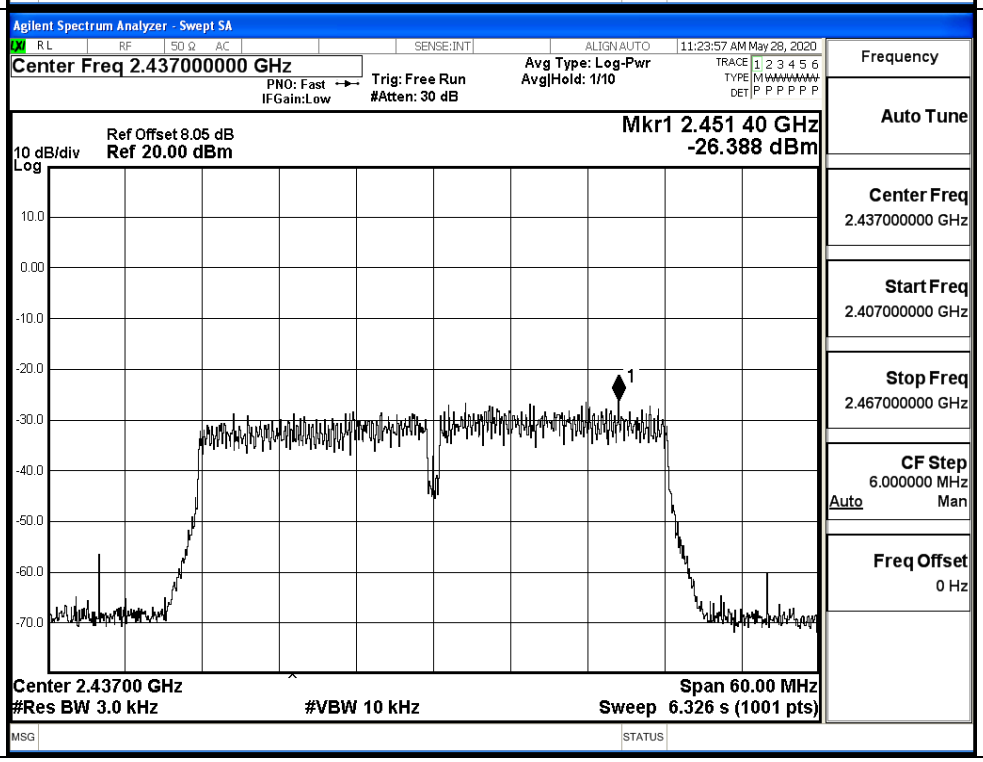
Test Graphs	
11B/LCH	

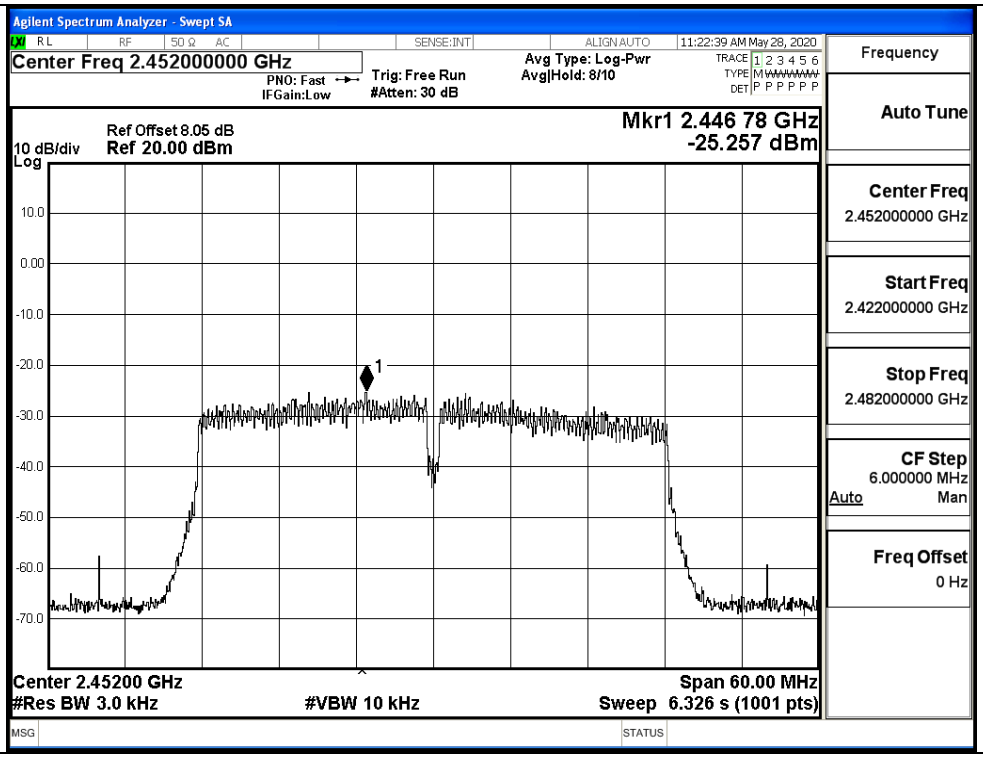
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

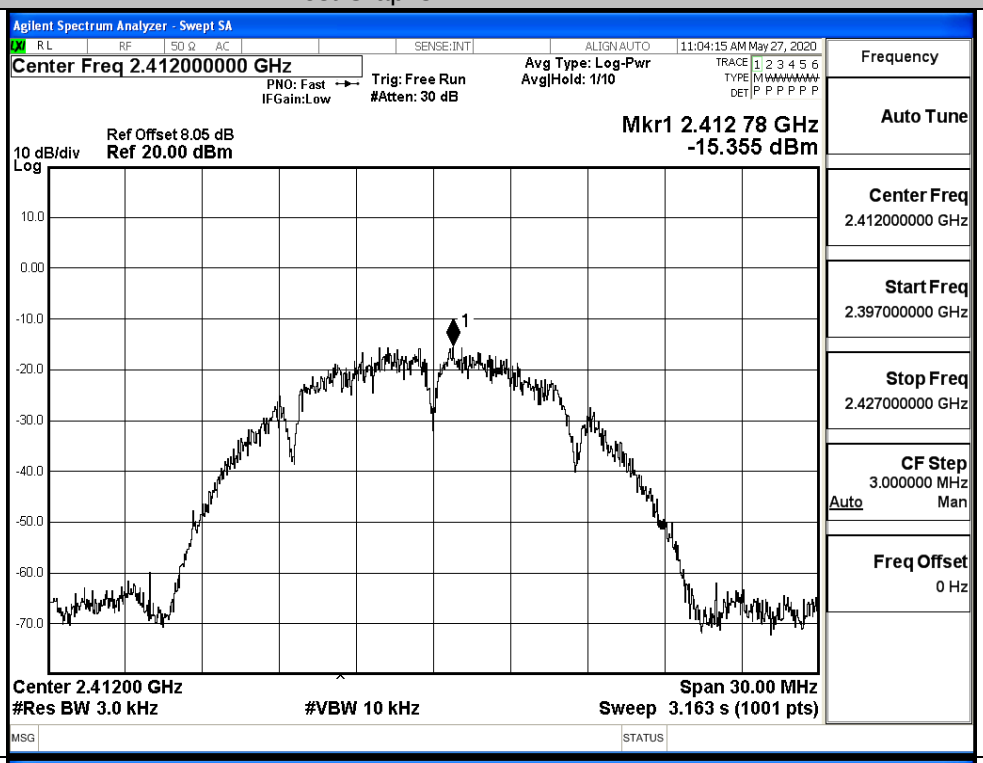
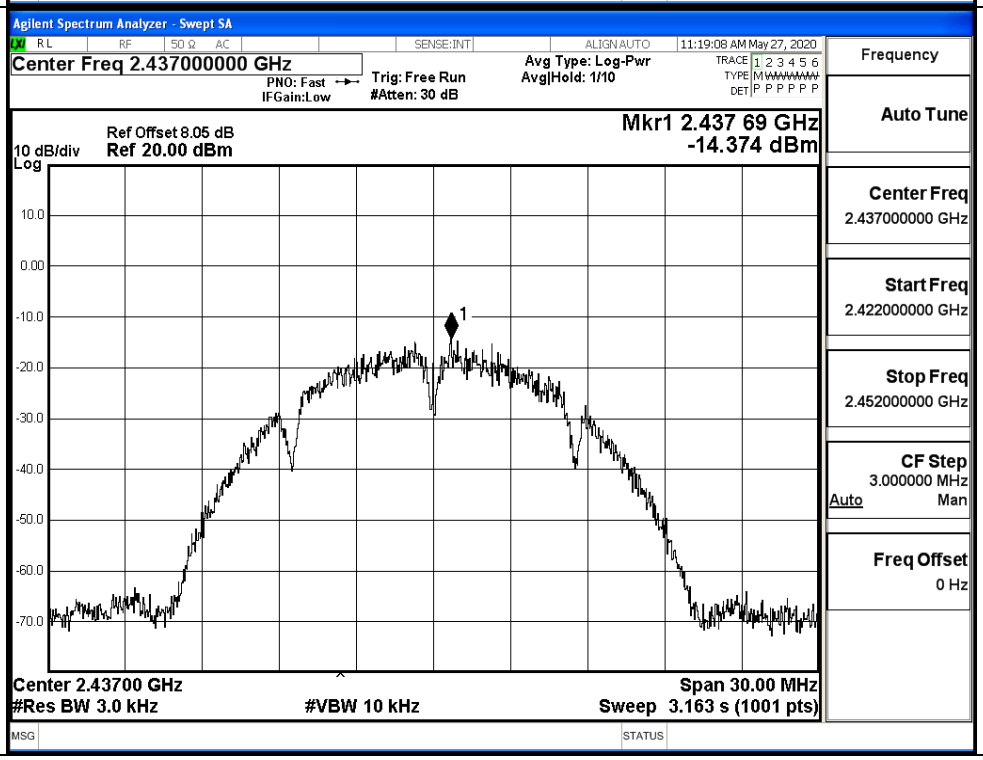
11G/HCH		
11N20SISO/LCH		

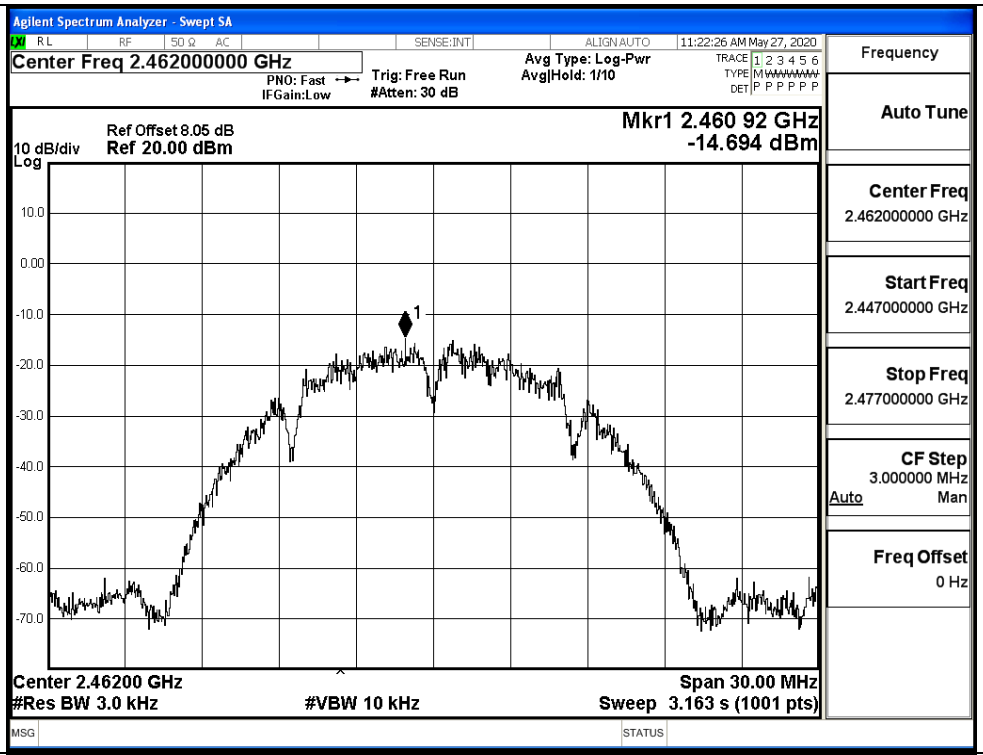
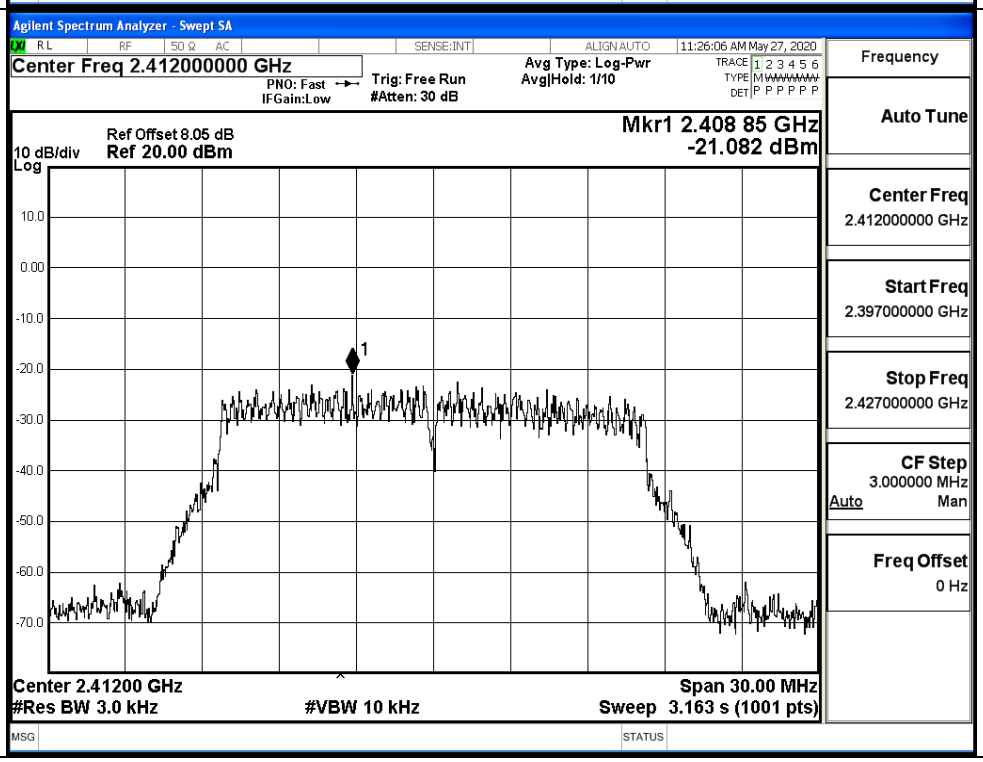
11N20SISO/MCH		
11N20SISO/HCH		

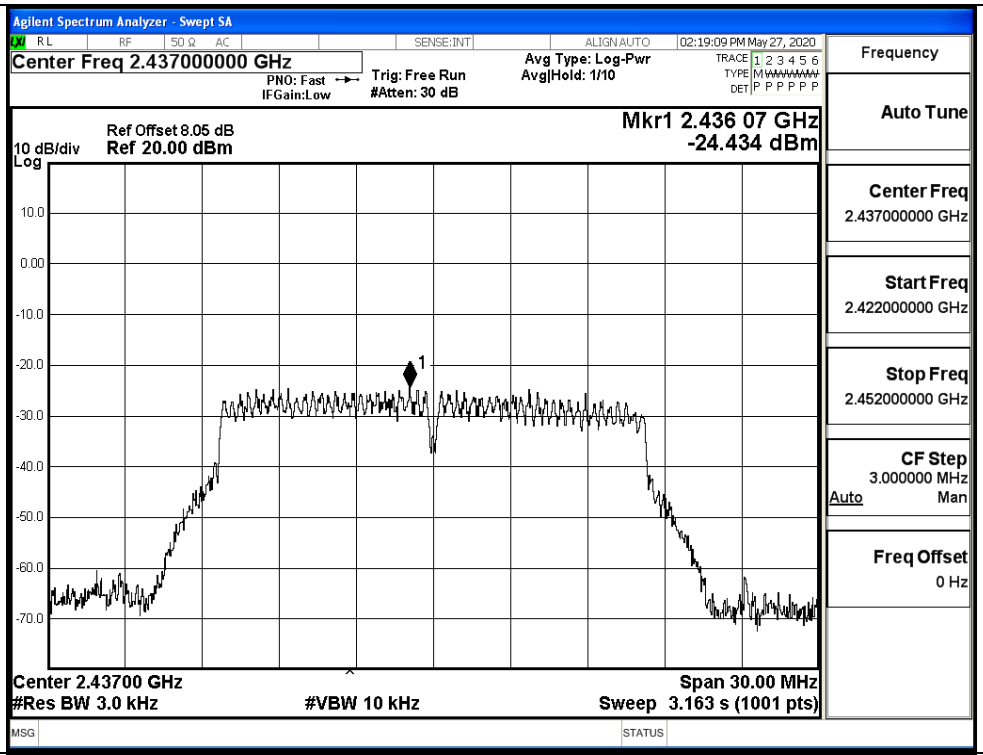
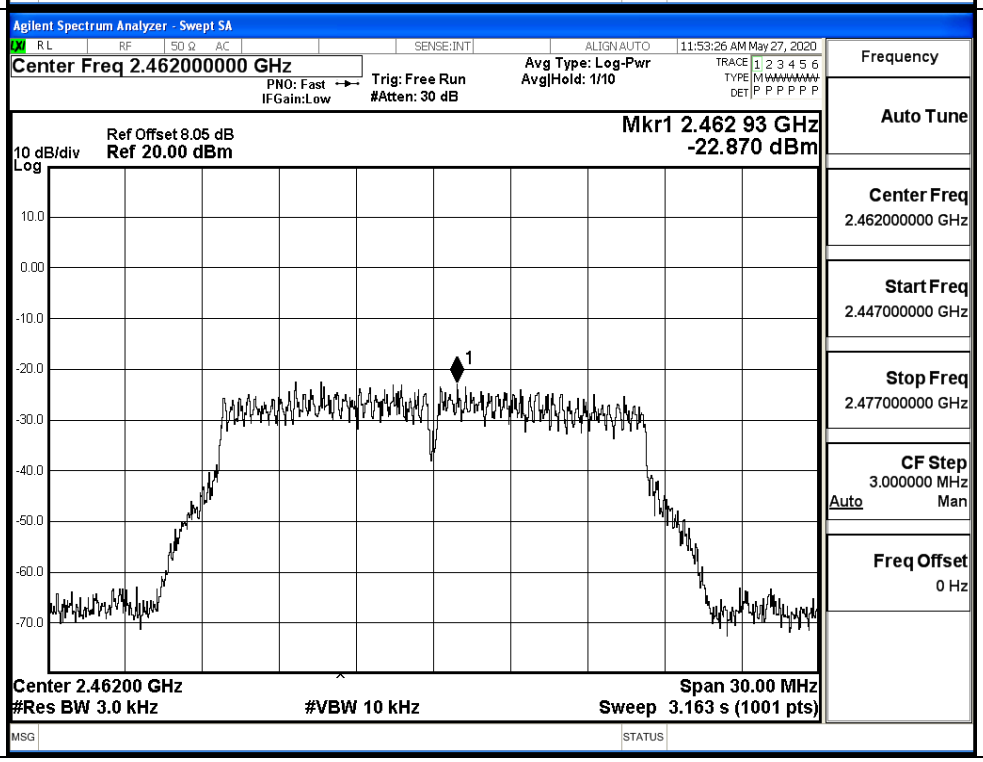
11N40SISO/LCH		
11N40SISO/MCH		

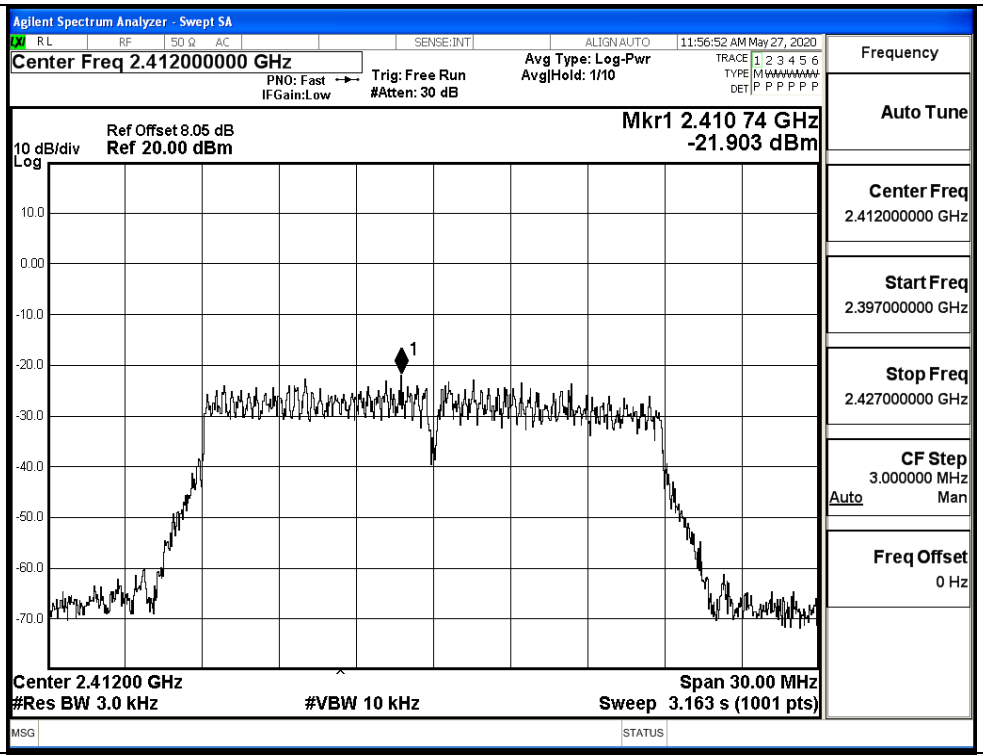
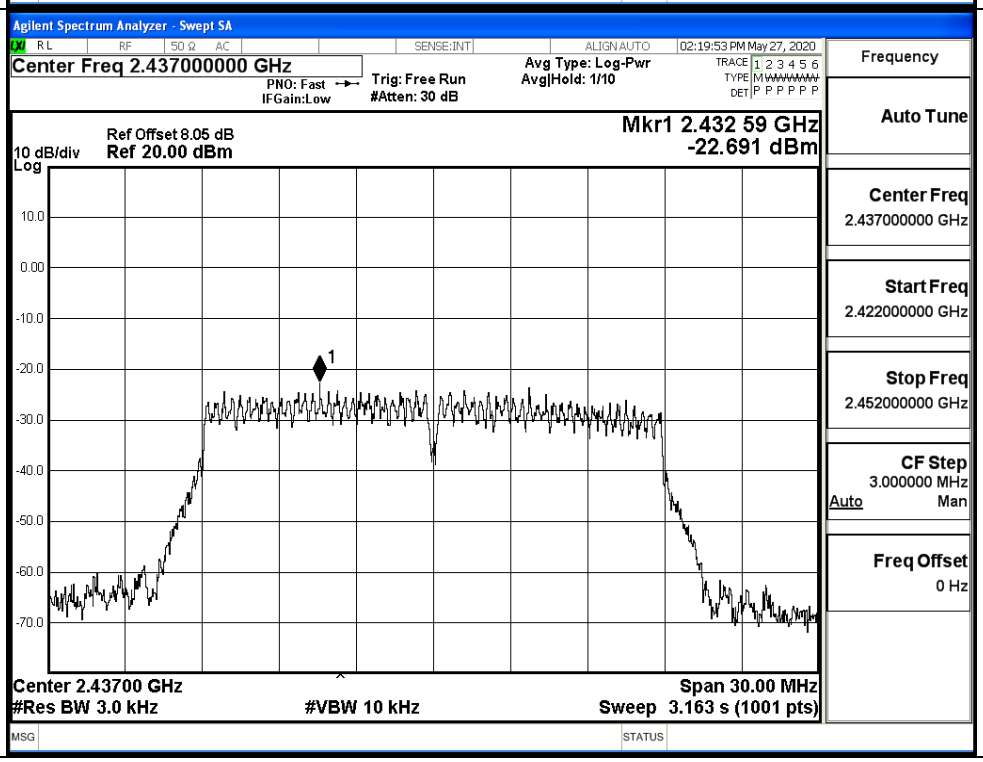
11N40SISO/HCH		

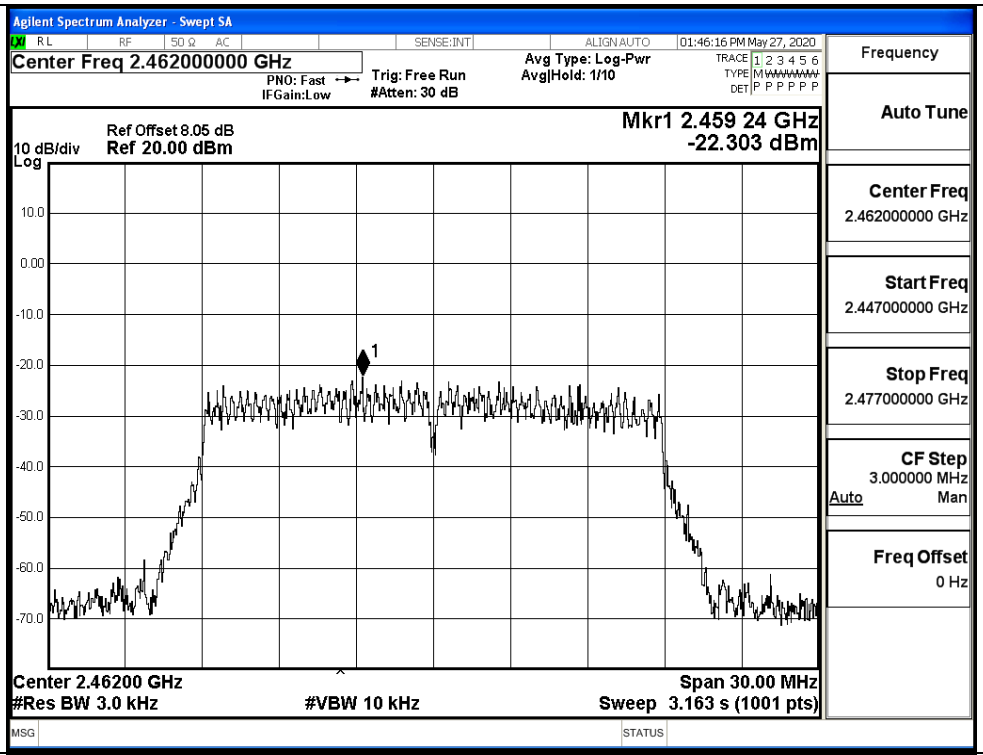
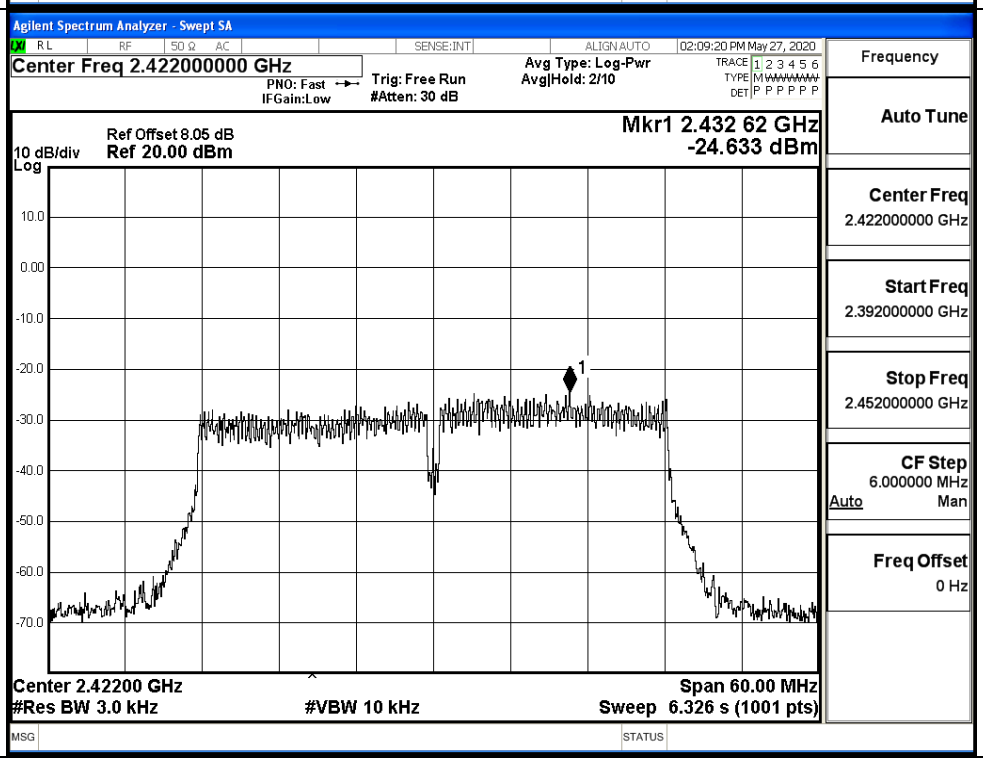
ANT1

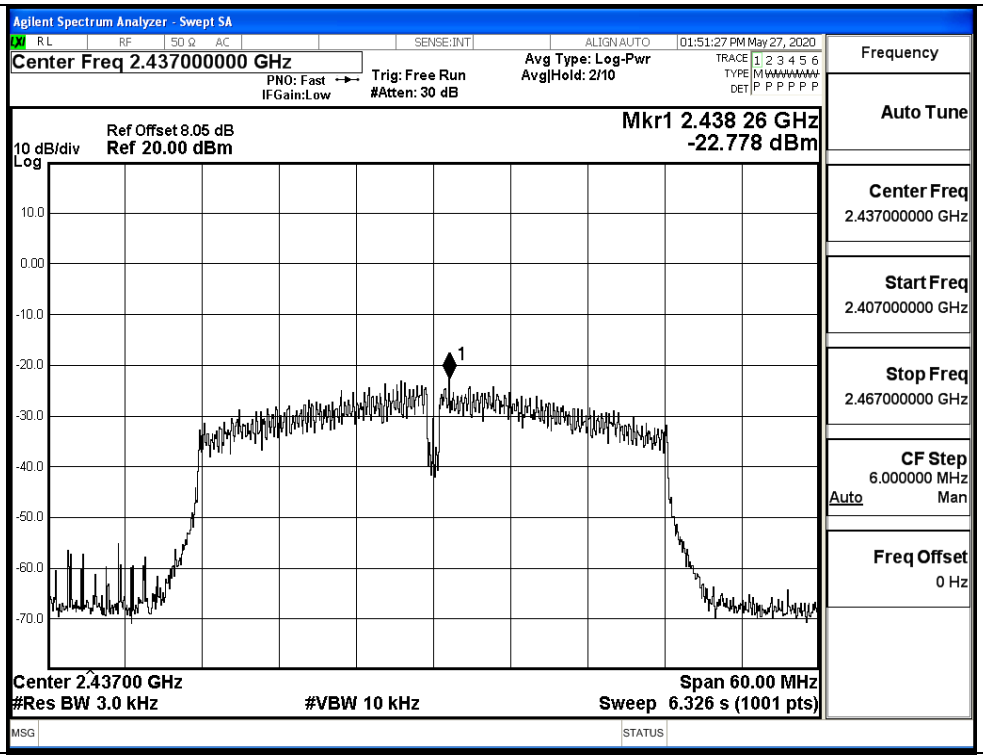
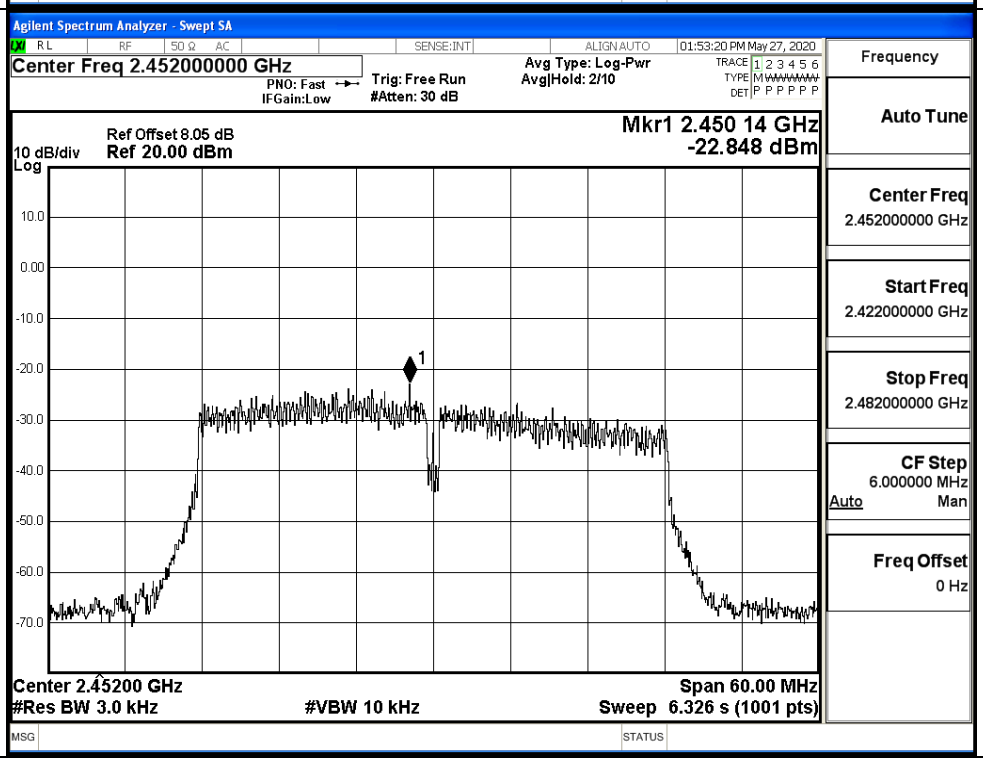
Test Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

11N20SISO/LCH		
11N20SISO/MCH		

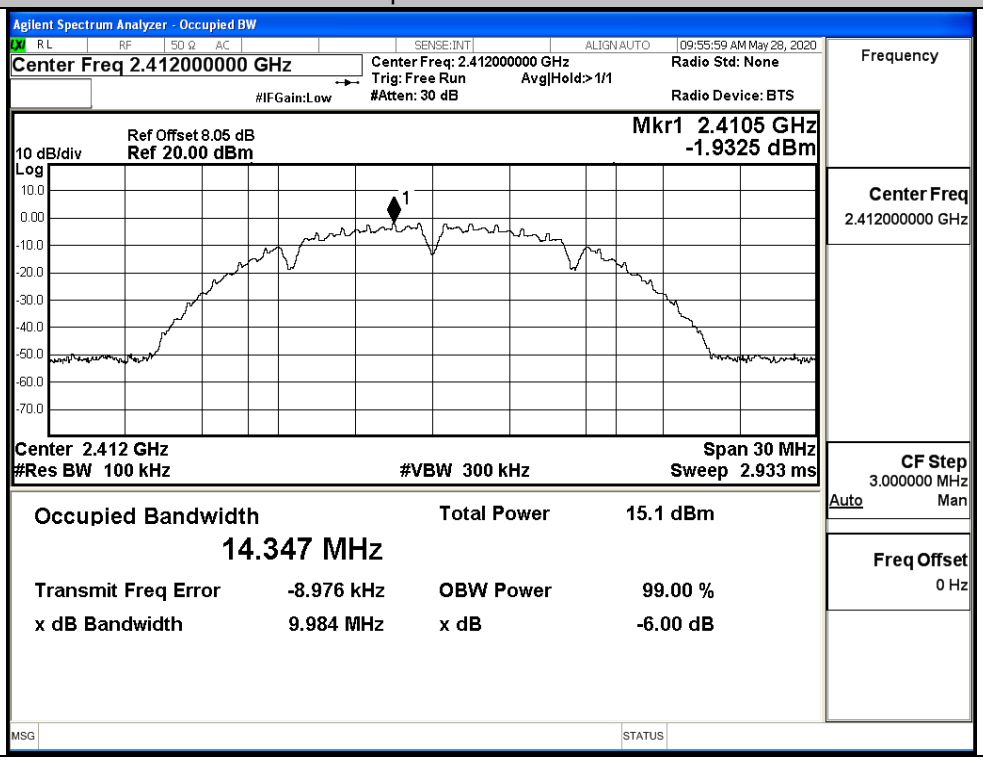
11N20SISO/HCH		
11N40SISO/LCH		

11N40SISO/MCH		
11N40SISO/HCH		

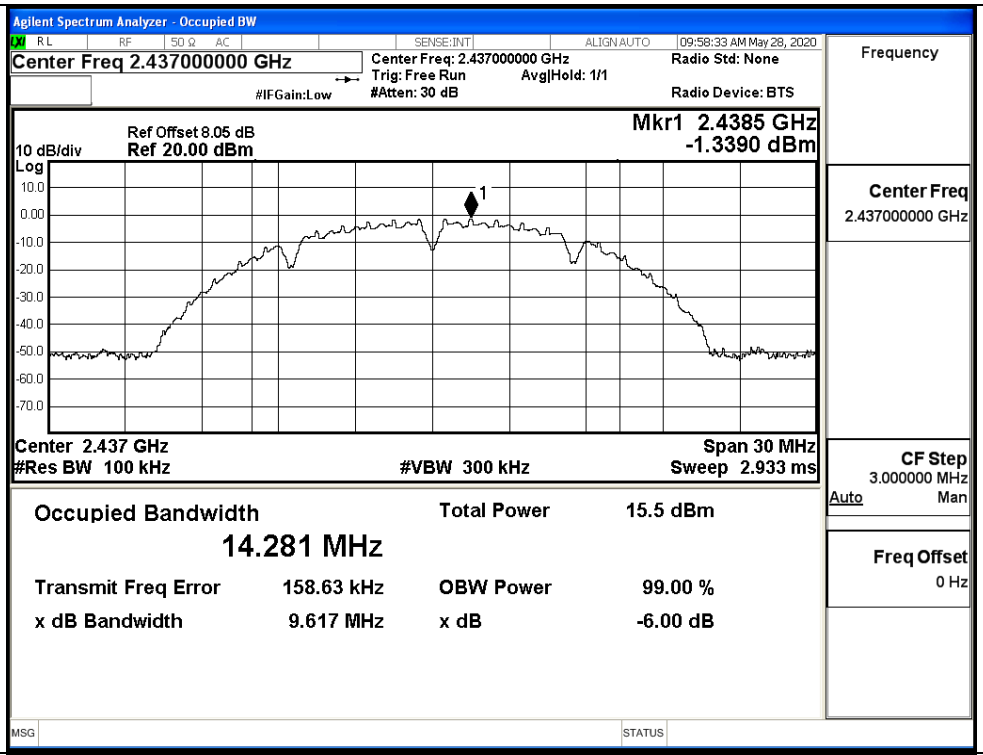
C.4 6dB Bandwidth

ANT0

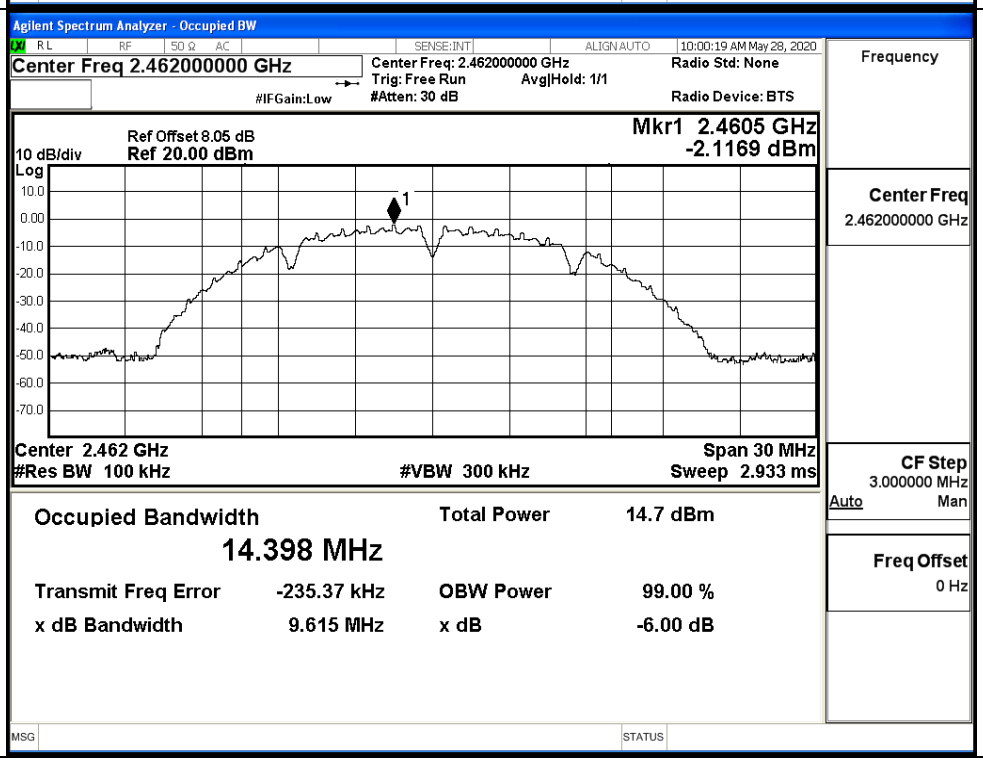
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.984	⩾0.5	PASS
	MCH	9.617	⩾0.5	PASS
	HCH	9.615	⩾0.5	PASS
11G	LCH	16.39	⩾0.5	PASS
	MCH	16.13	⩾0.5	PASS
	HCH	15.80	⩾0.5	PASS
11N20SISO	LCH	17.64	⩾0.5	PASS
	MCH	17.36	⩾0.5	PASS
	HCH	16.42	⩾0.5	PASS
11N40SISO	LCH	35.81	⩾0.5	PASS
	MCH	35.71	⩾0.5	PASS
	HCH	35.18	⩾0.5	PASS

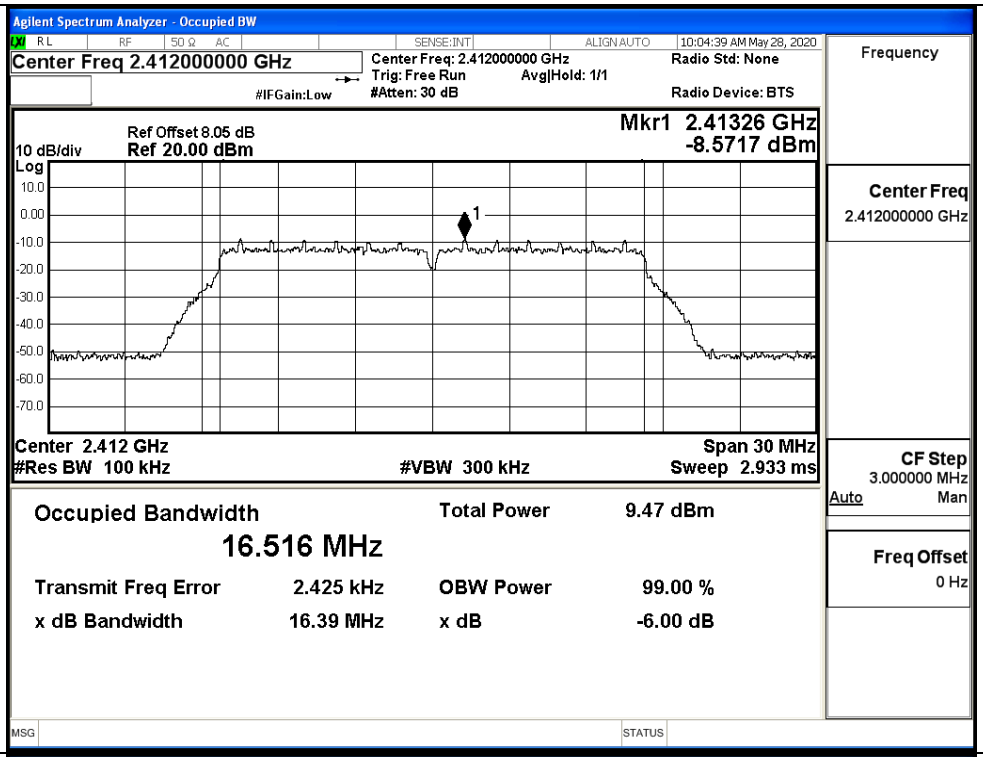
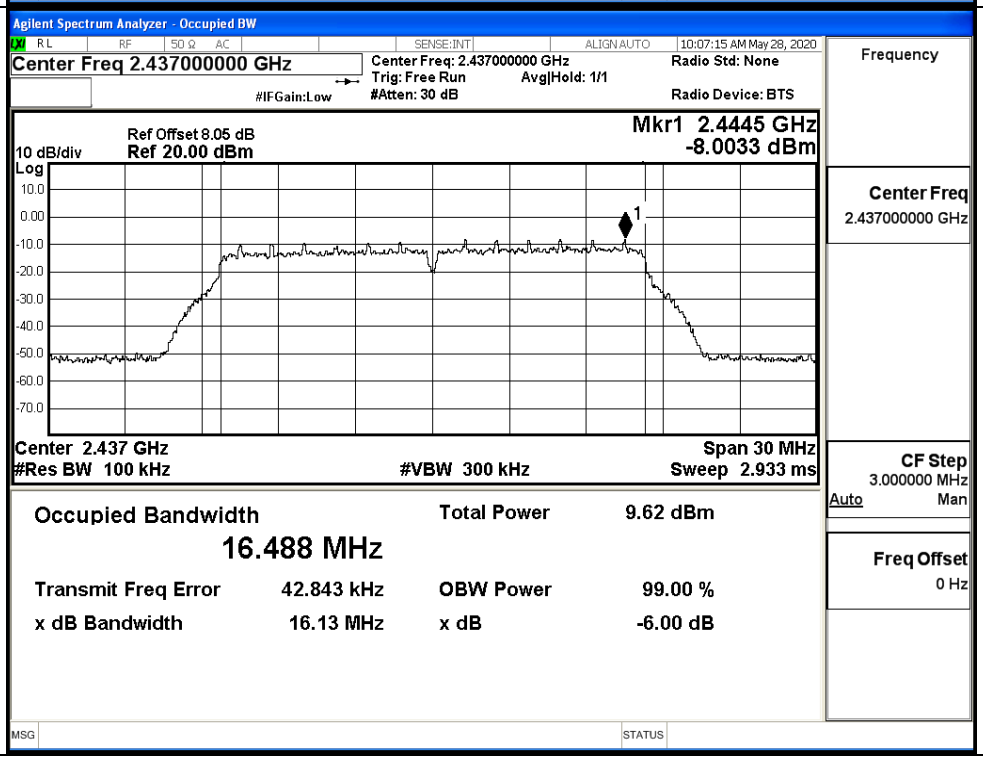
Test Graphs	
11B/LCH	

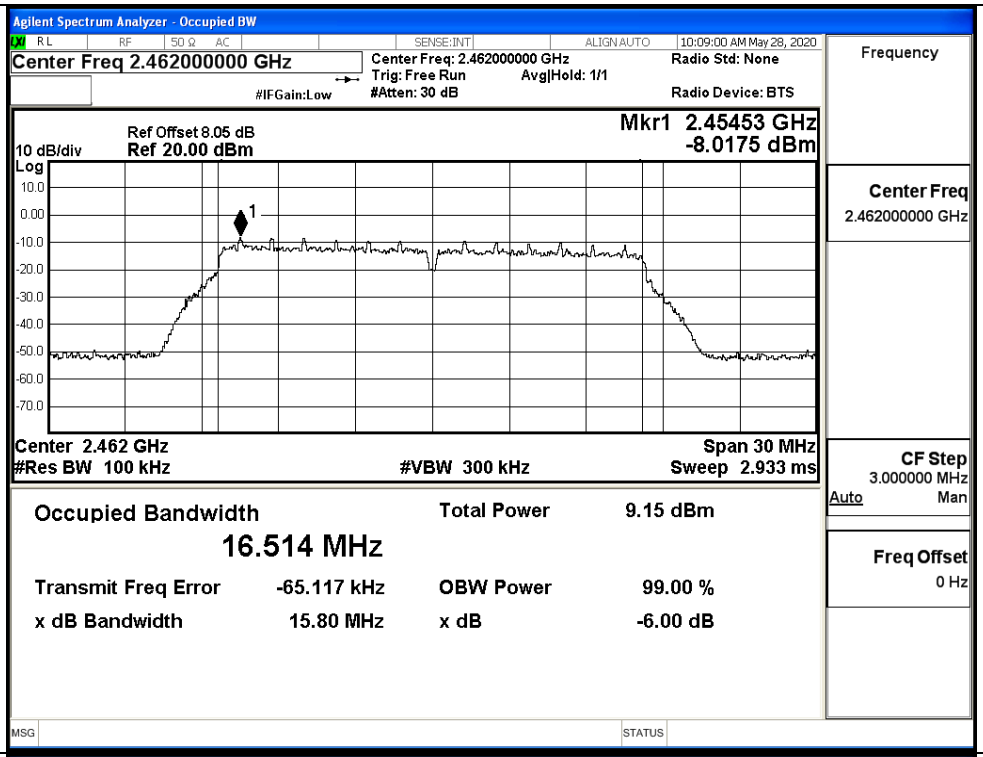
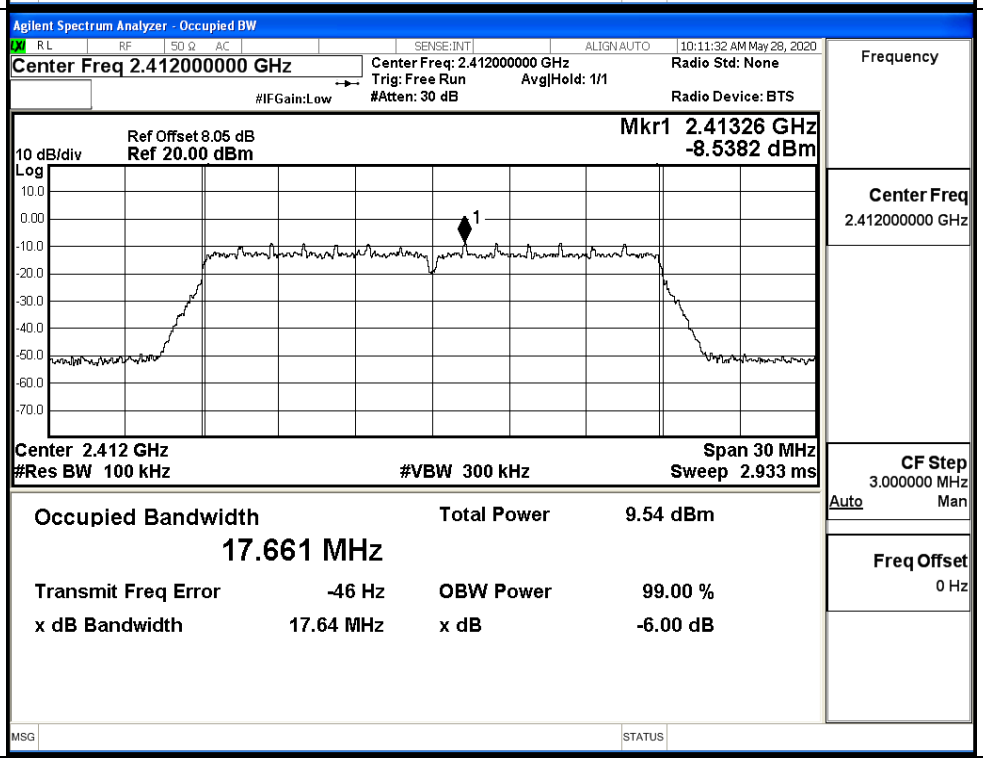
11B/MCH

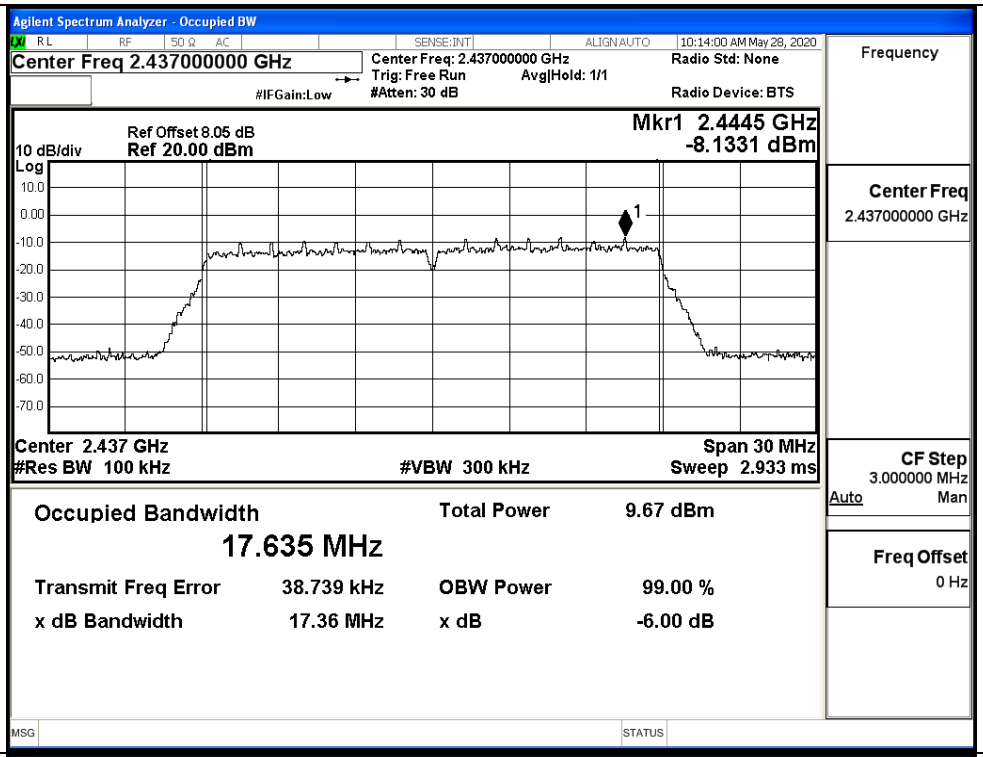
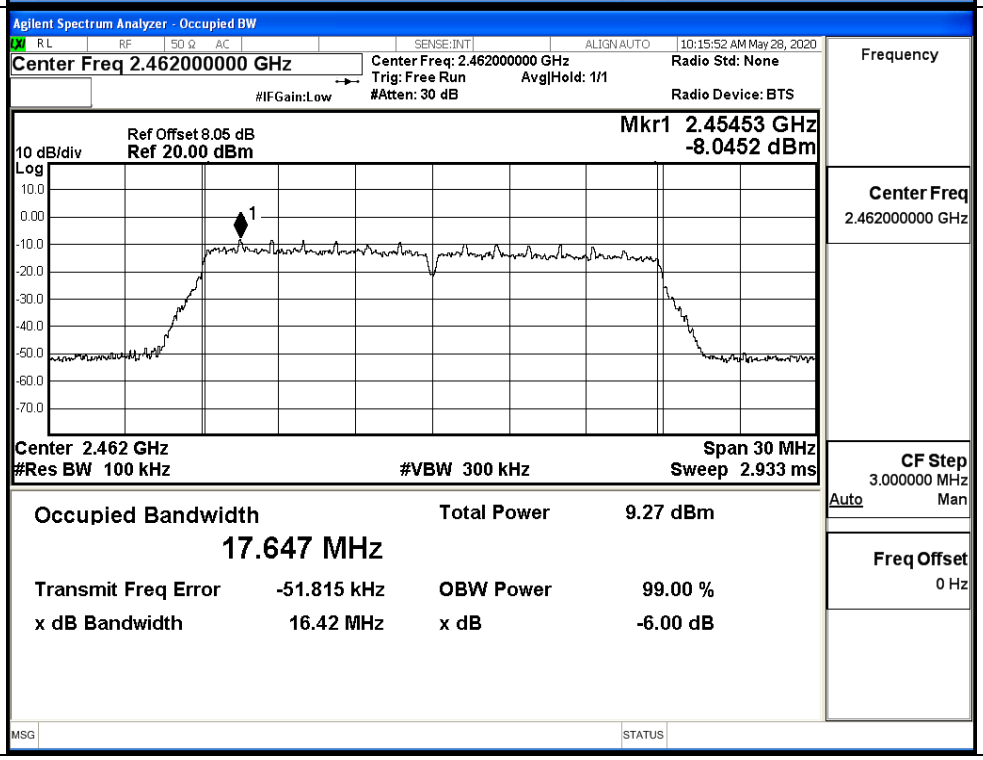


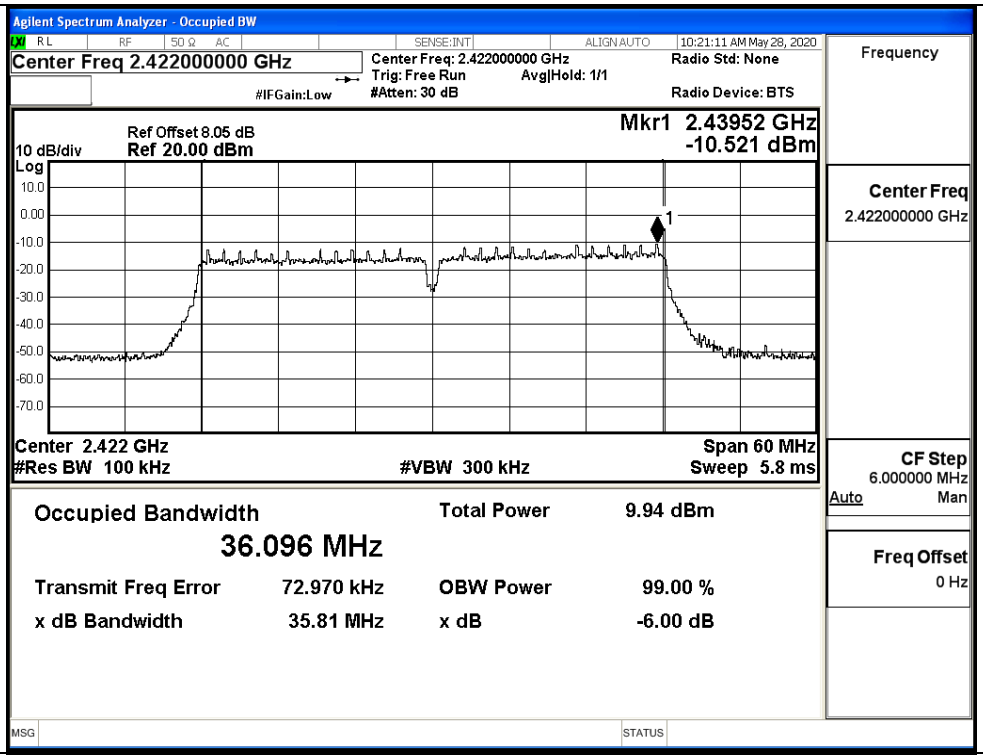
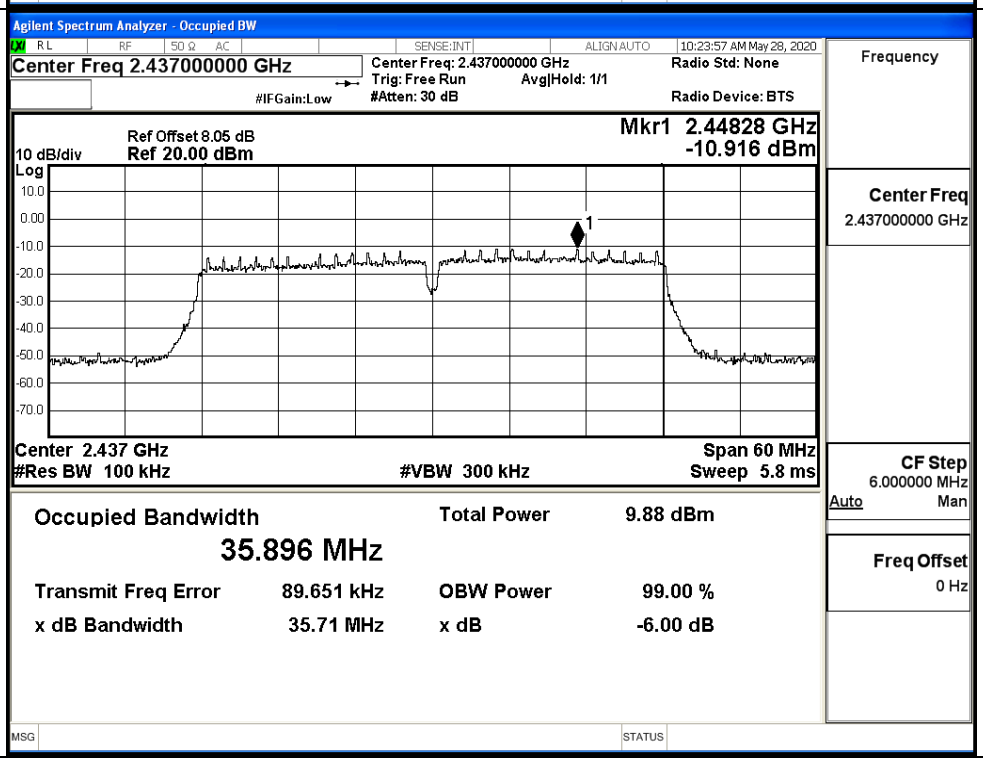
11B/HCH

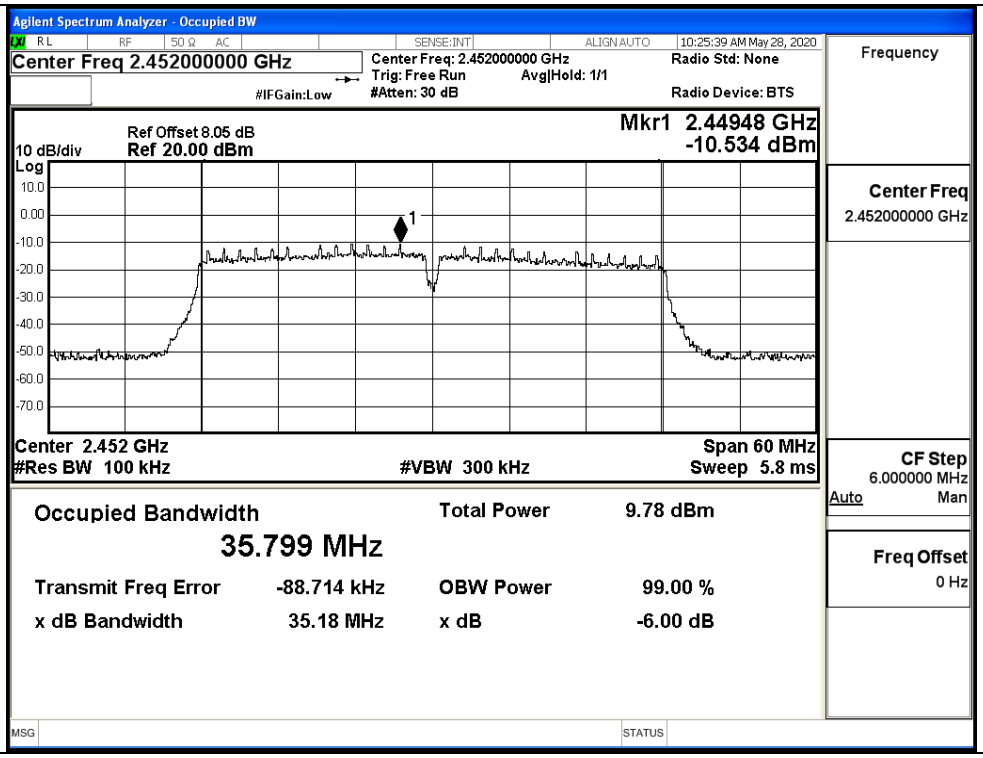


11G/LCH		
11G/MCH		

11G/HCH	
11N20SISO/LCH	

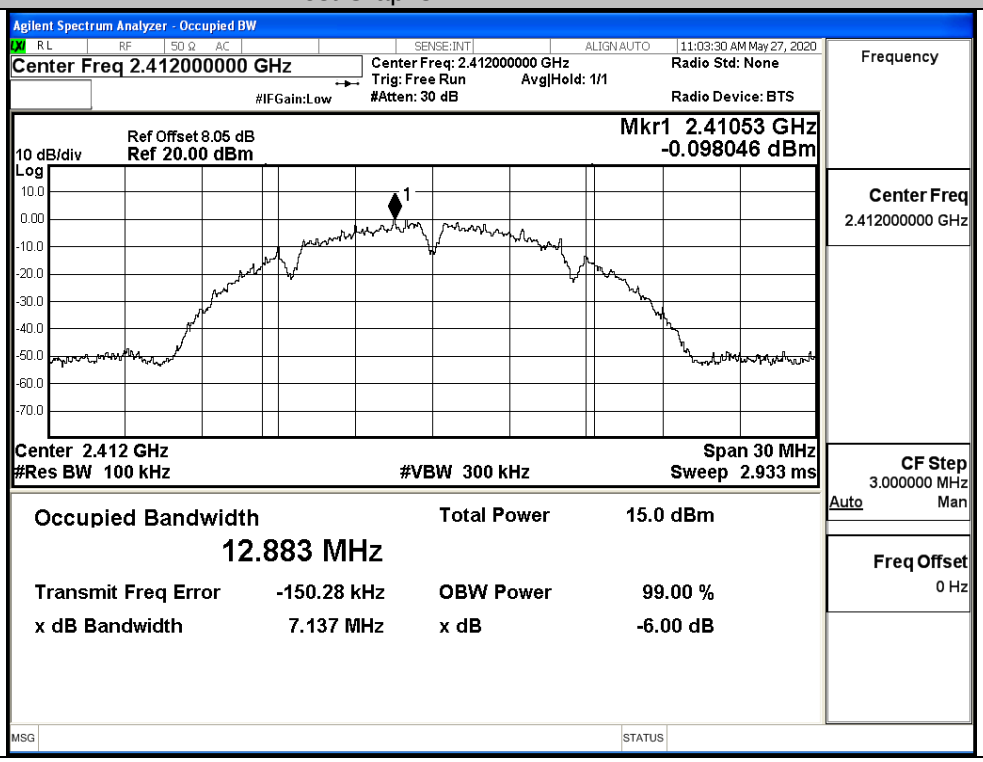
11N20SISO/MCH	
11N20SISO/HCH	

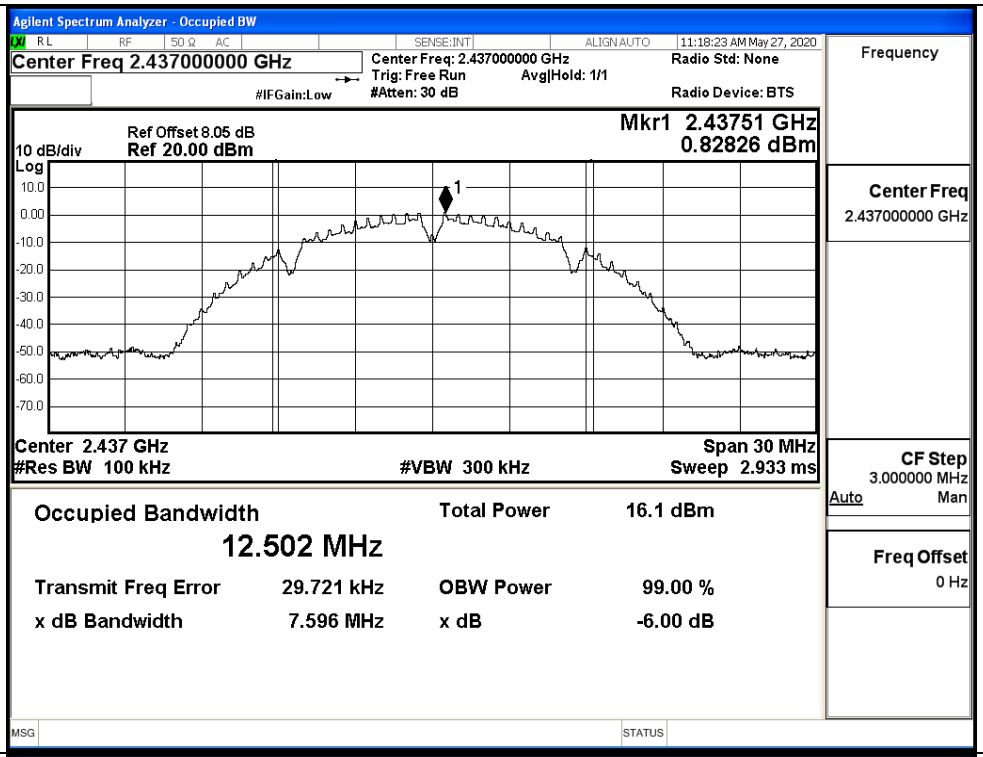
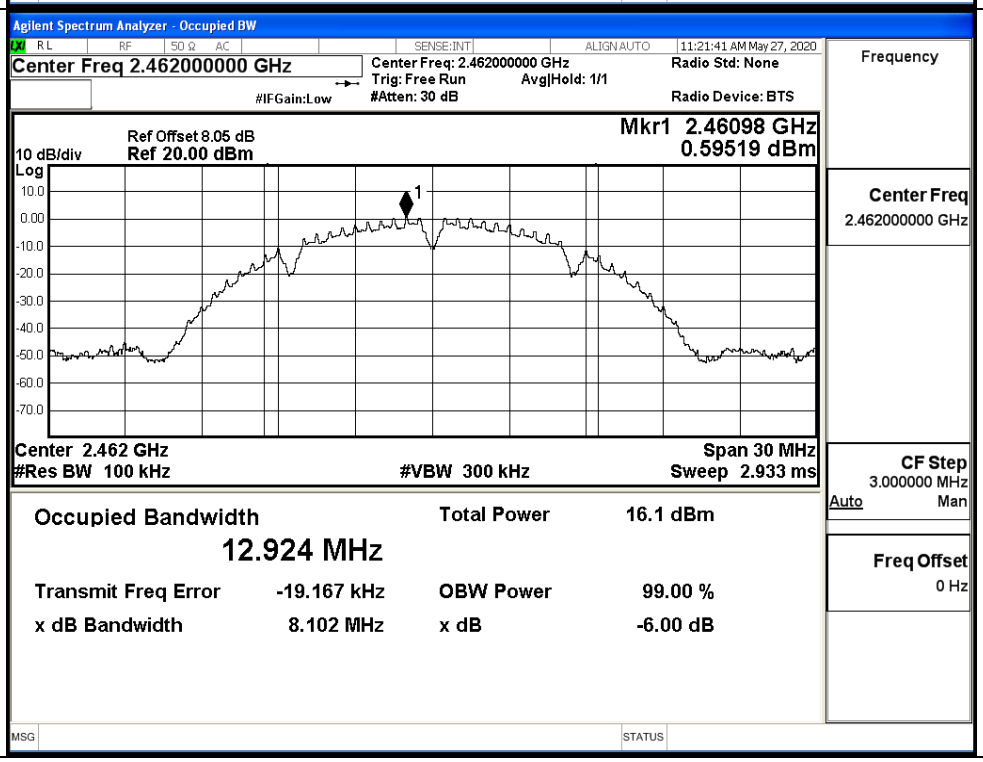
11N40SISO/LCH	
11N40SISO/MCH	

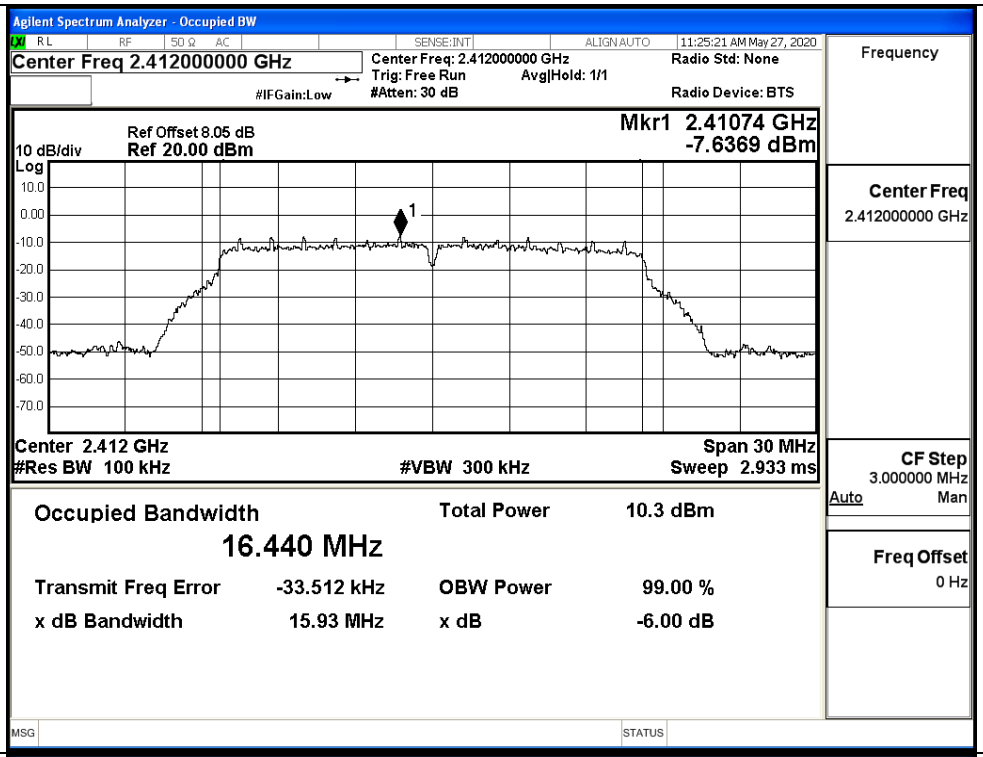
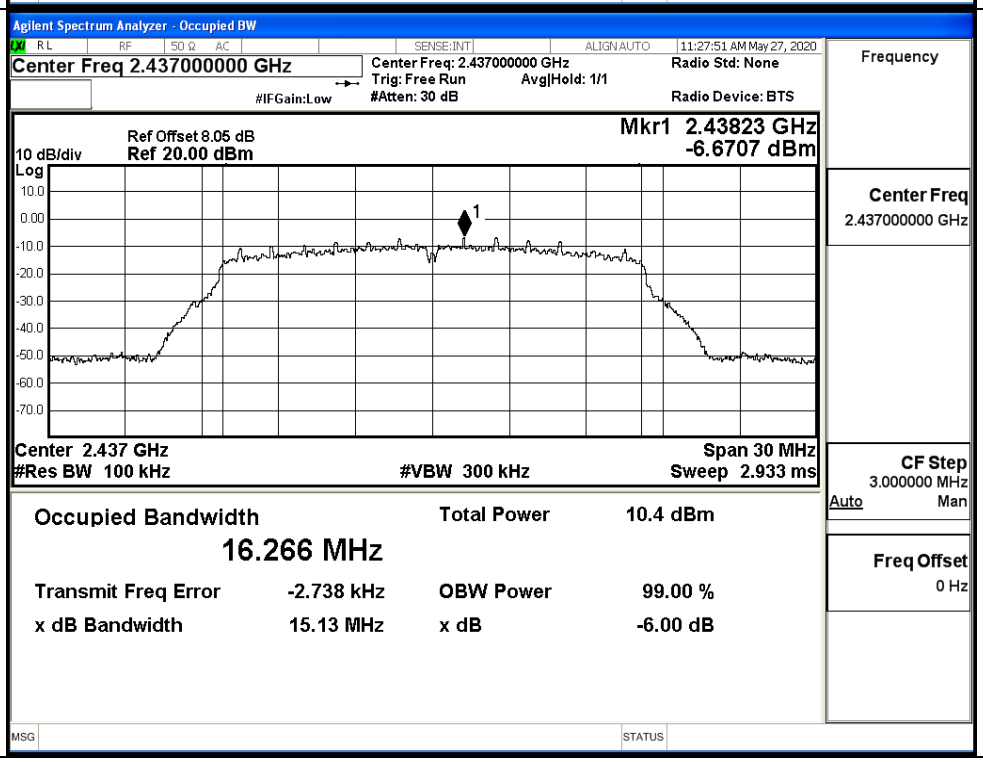
11N40SISO/HCH		

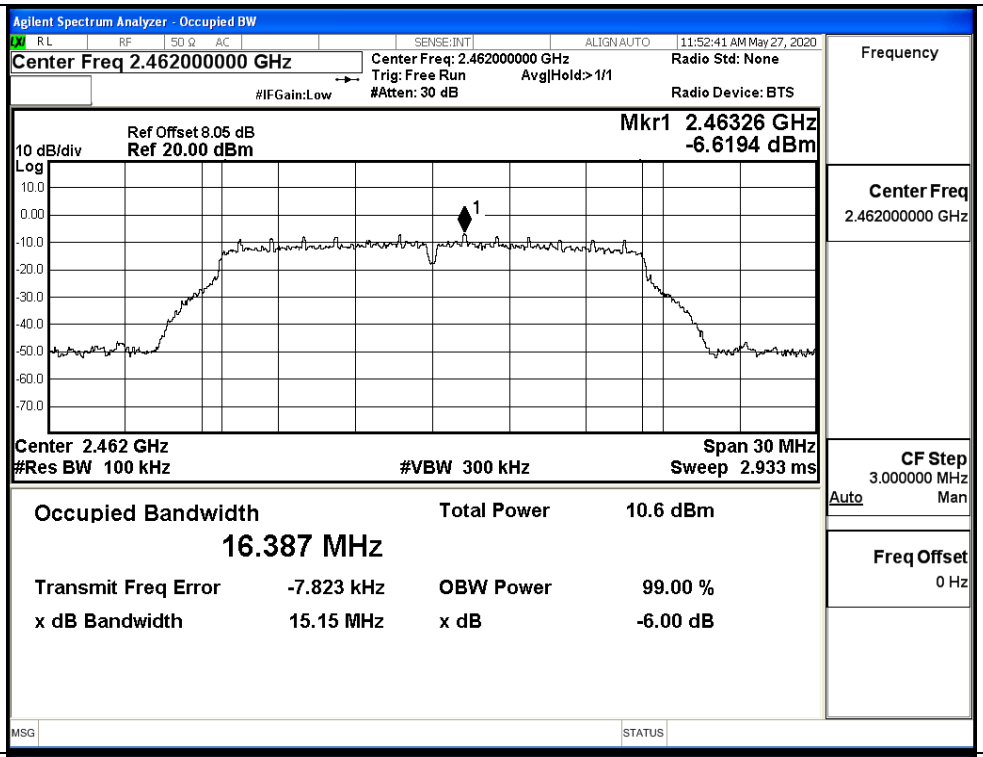
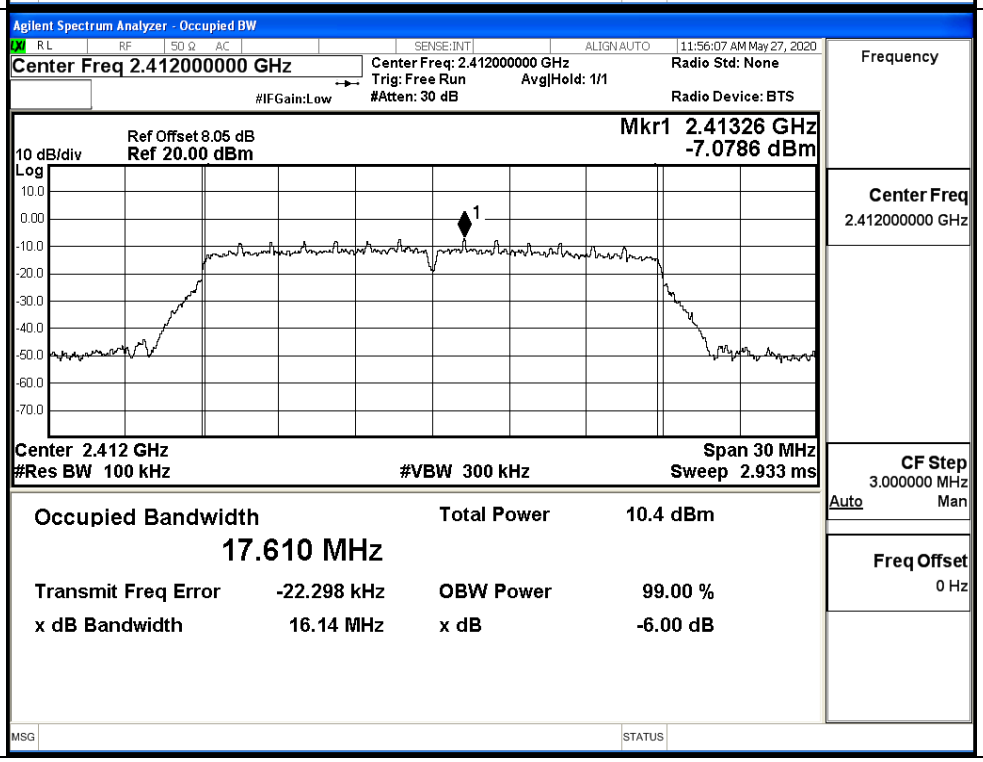
ANT1

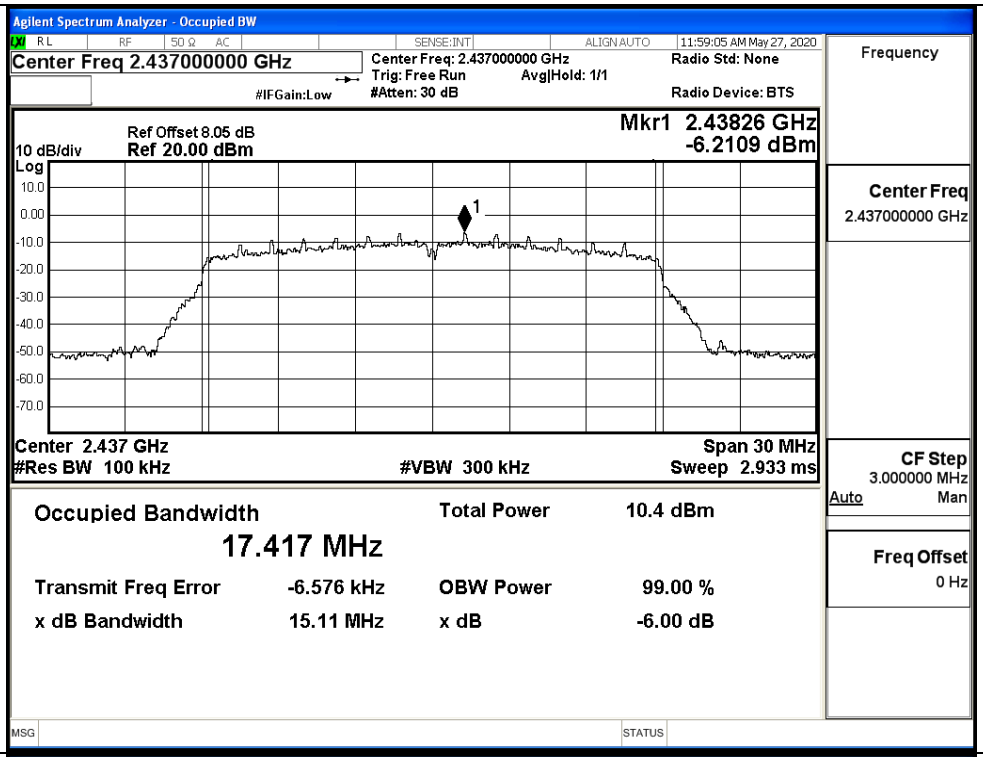
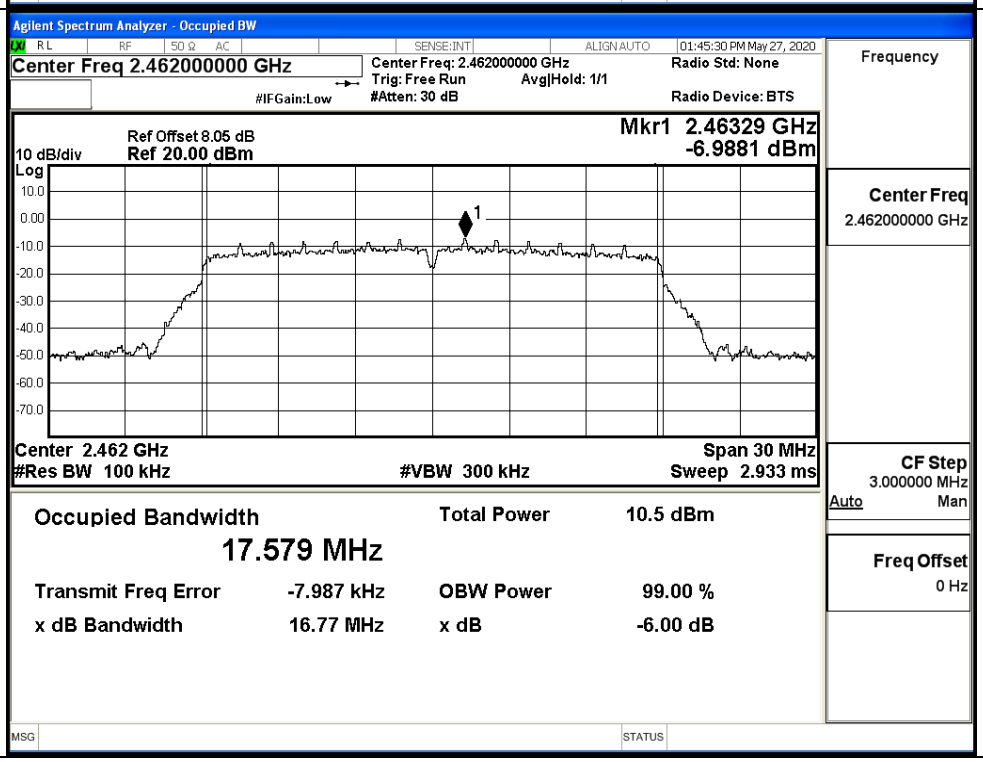
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	7.137	⩾0.5	PASS
	MCH	7.596	⩾0.5	PASS
	HCH	8.102	⩾0.5	PASS
11G	LCH	15.93	⩾0.5	PASS
	MCH	15.13	⩾0.5	PASS
	HCH	15.15	⩾0.5	PASS
11N20SISO	LCH	16.14	⩾0.5	PASS
	MCH	15.11	⩾0.5	PASS
	HCH	16.77	⩾0.5	PASS
11N40SISO	LCH	35.50	⩾0.5	PASS
	MCH	35.73	⩾0.5	PASS
	HCH	35.17	⩾0.5	PASS

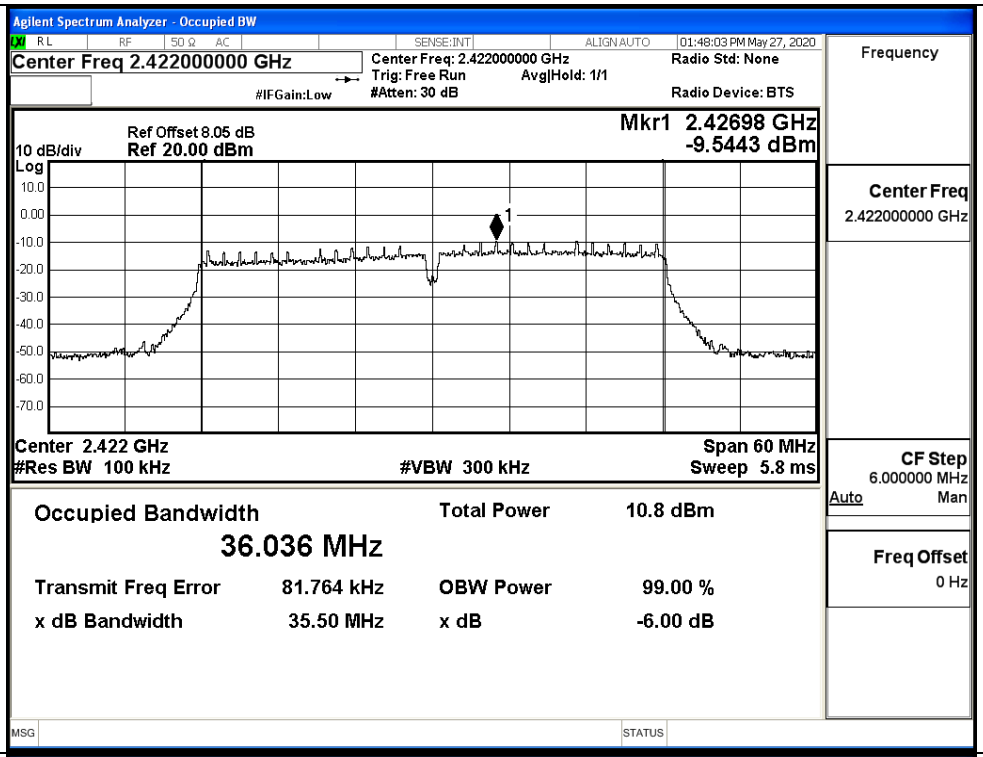
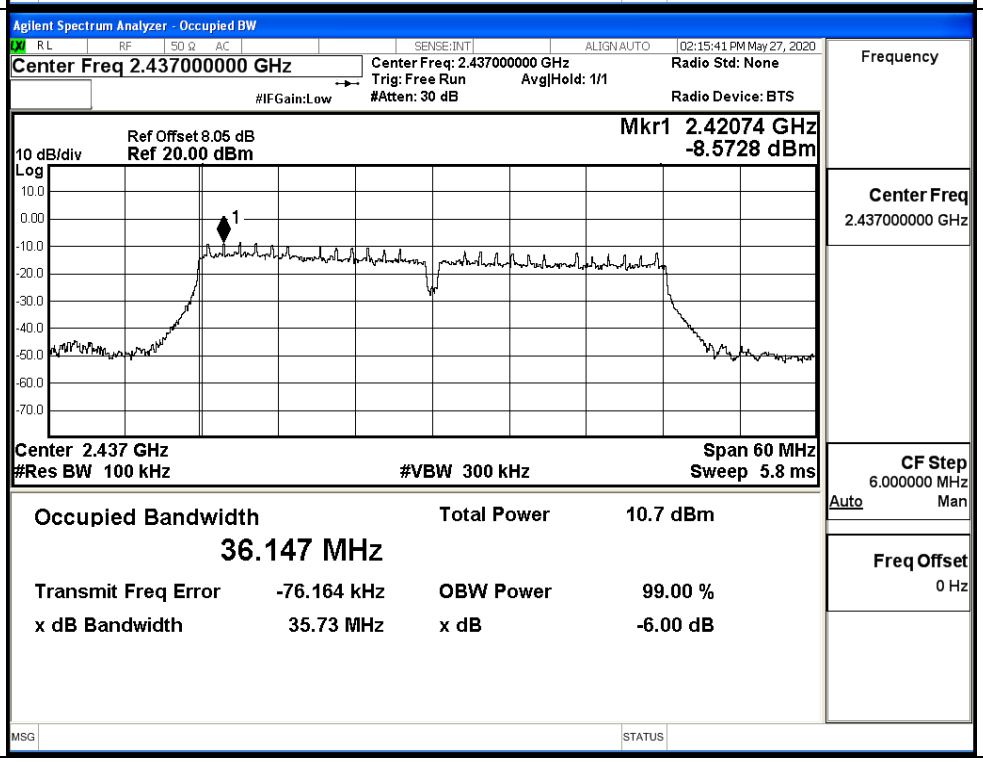
Test Graphs	
11B/LCH	

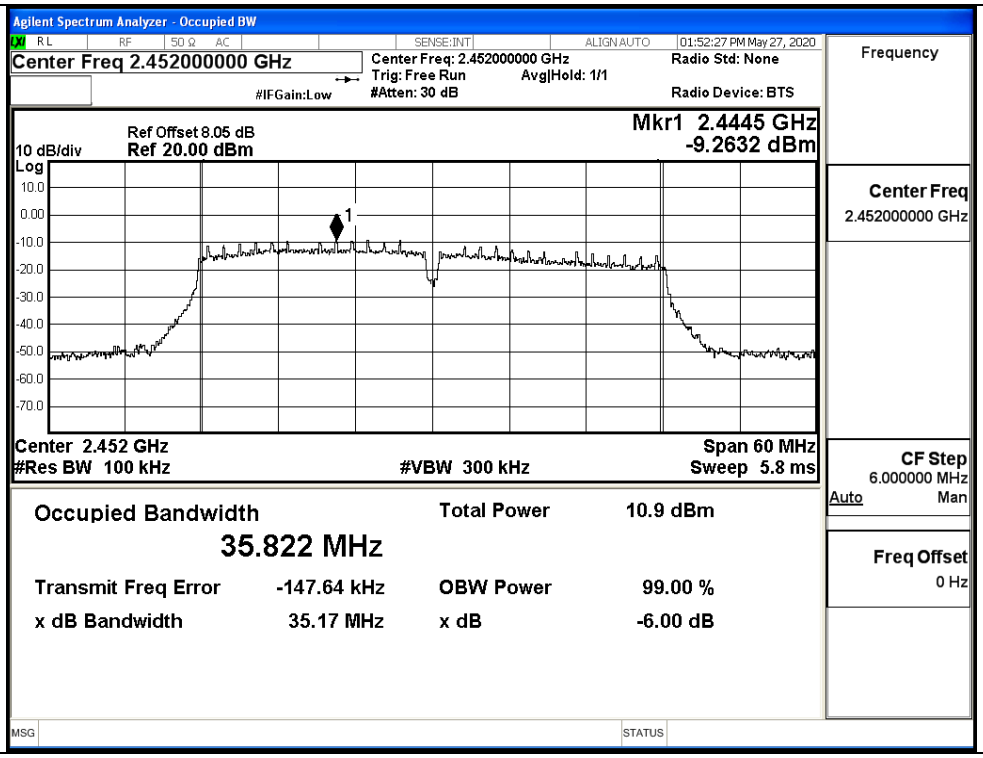
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH	
11N20SISO/LCH	

11N20SISO/MCH	
11N20SISO/HCH	

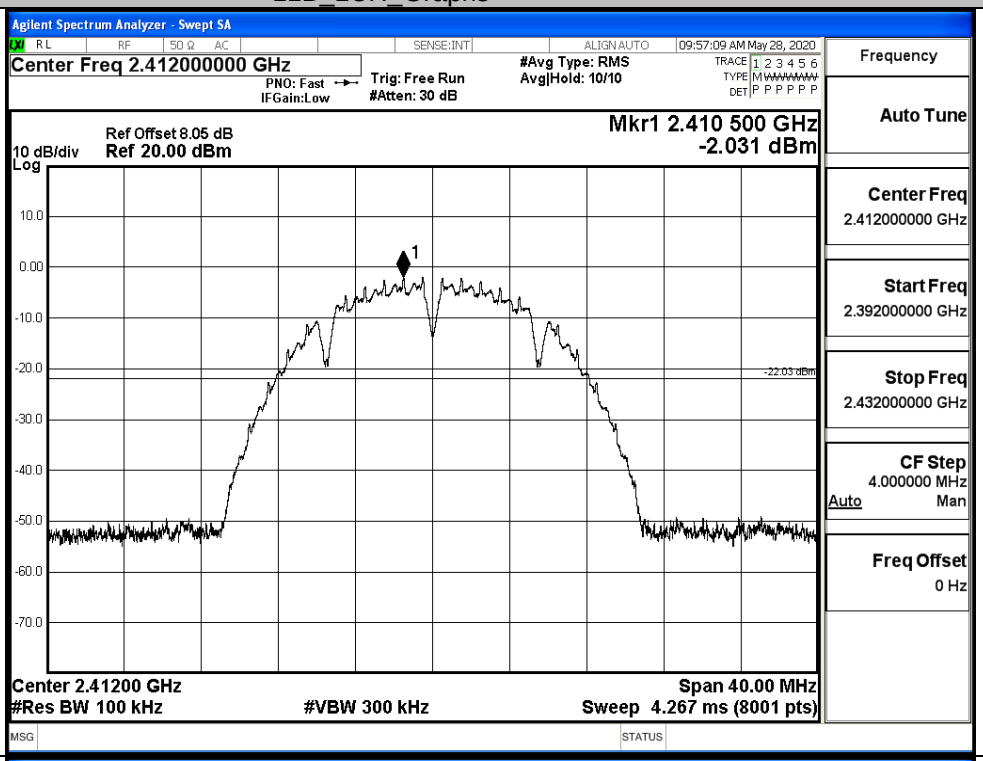
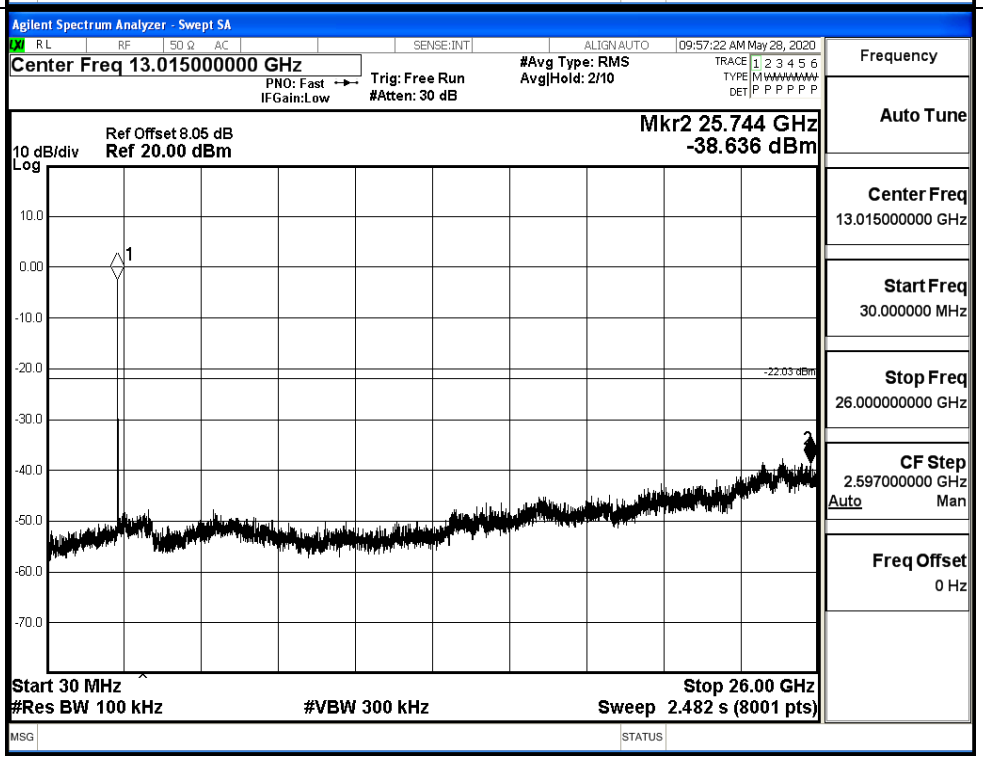
11N40SISO/LCH	
11N40SISO/MCH	

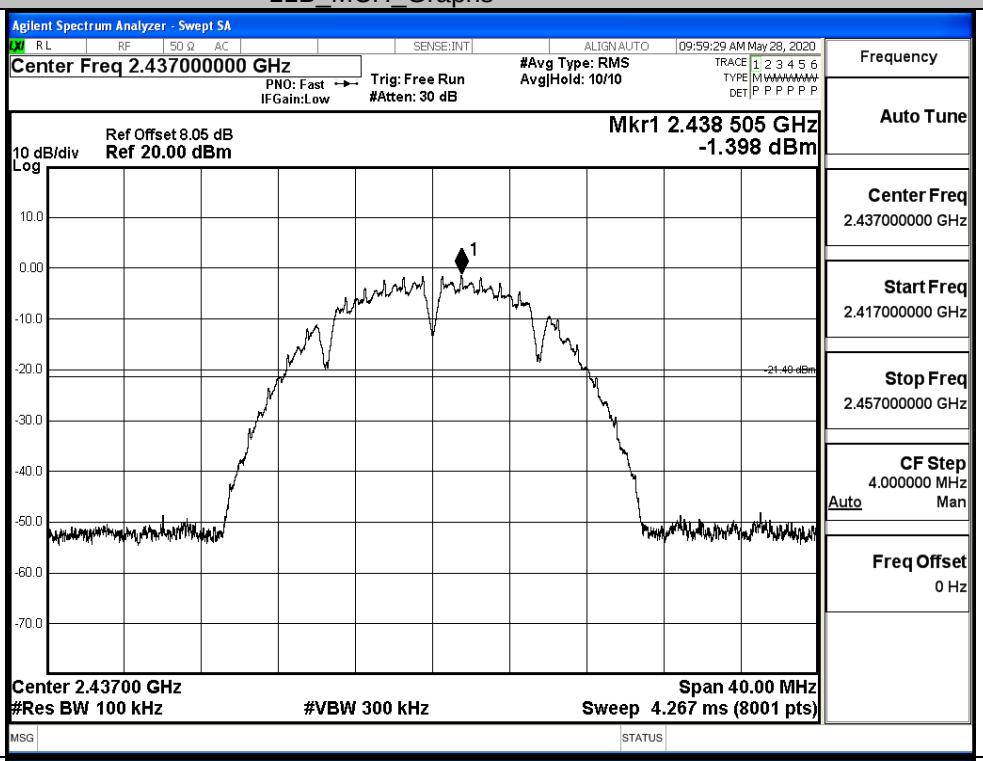
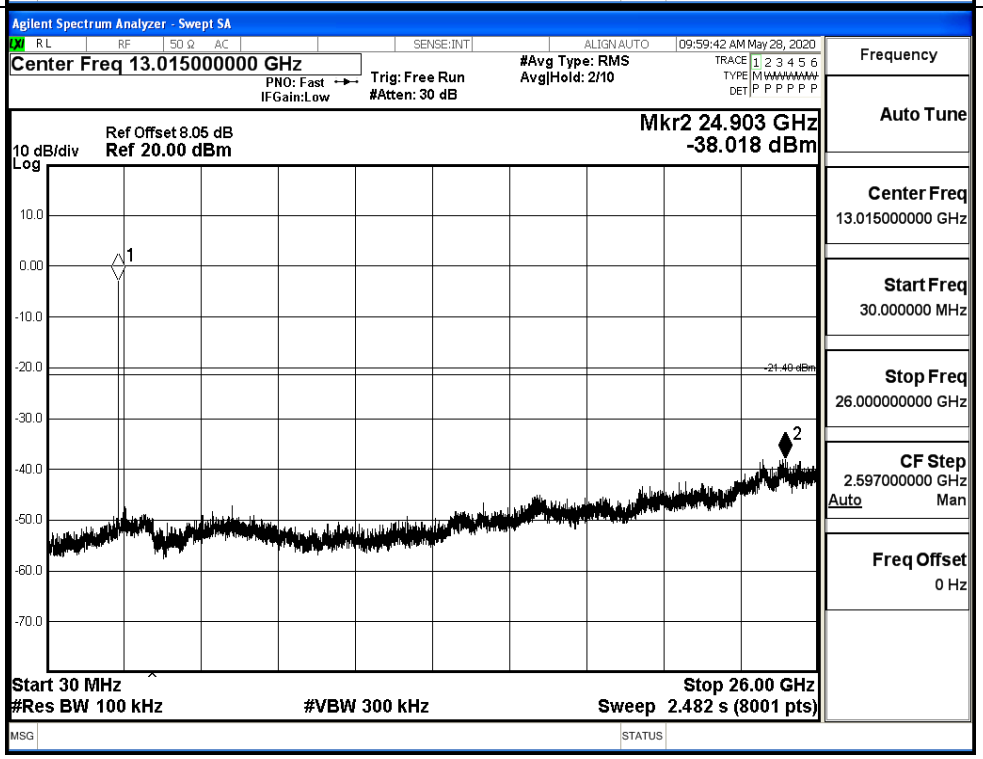
11N40SISO/HCH		

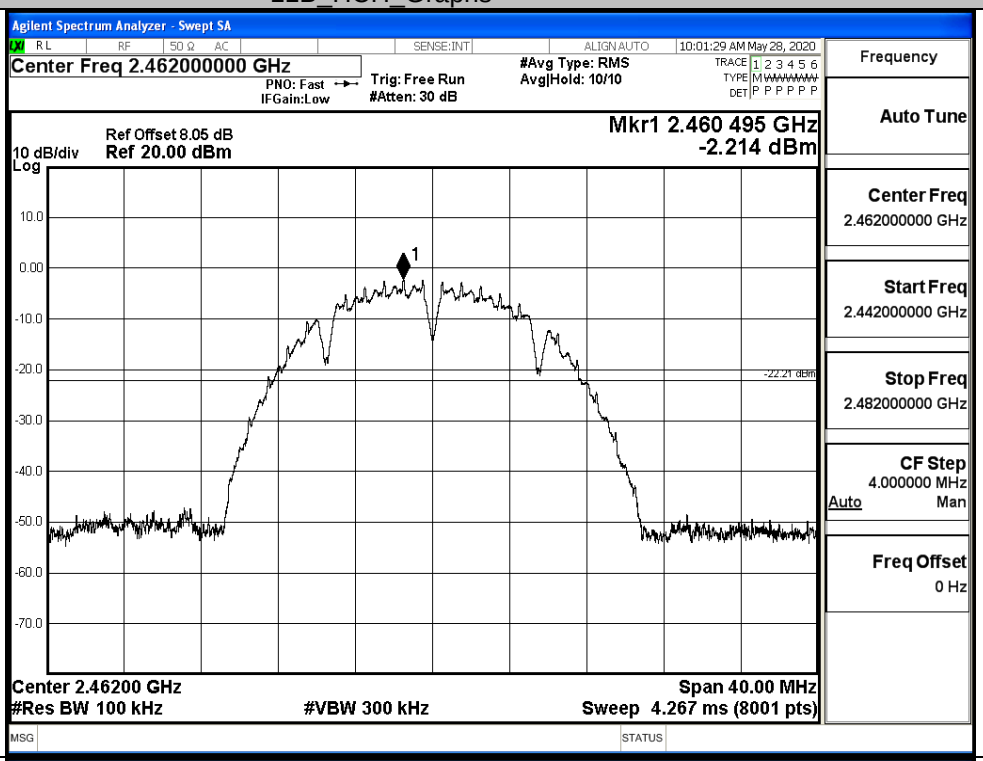
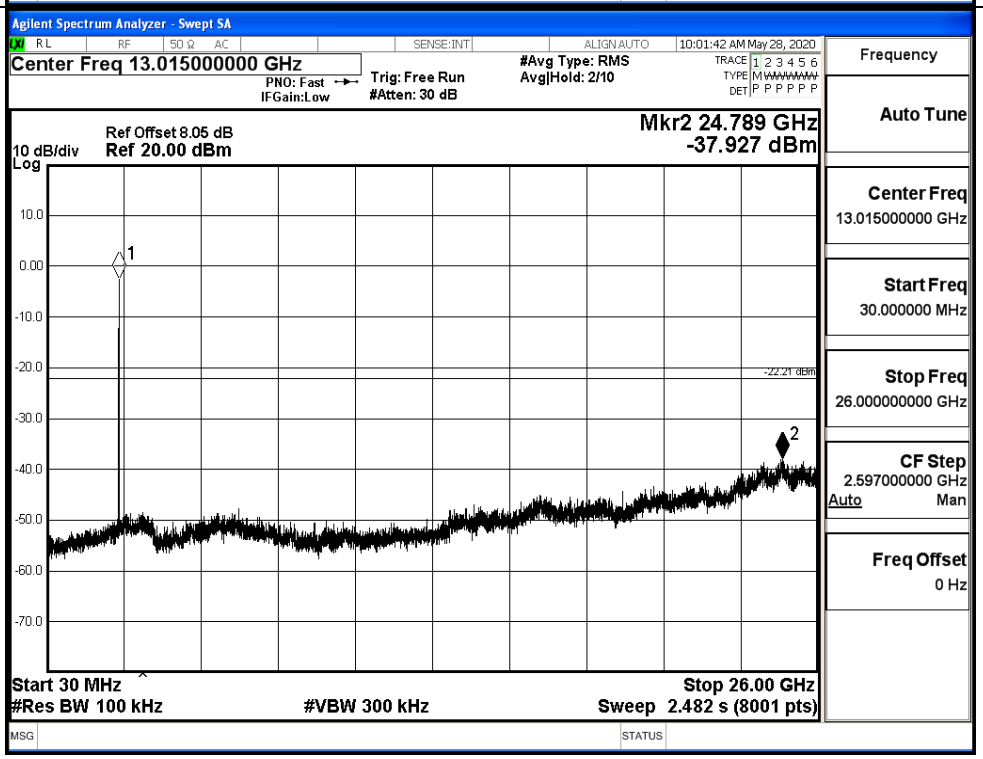
C.5 RF Conducted Spurious Emissions

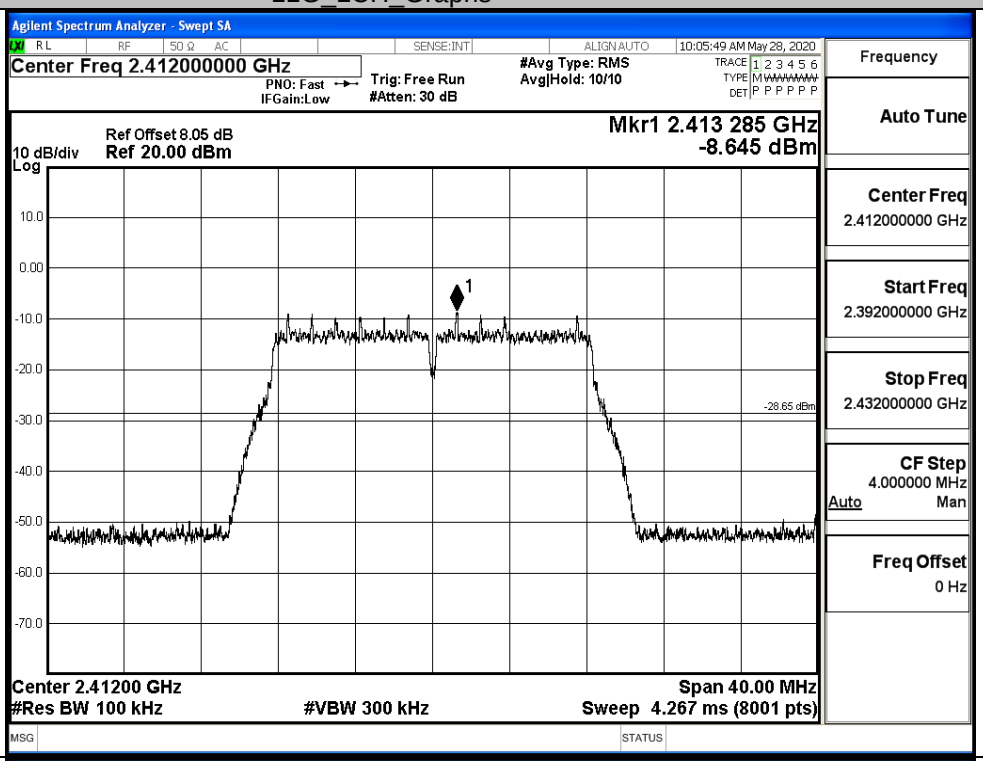
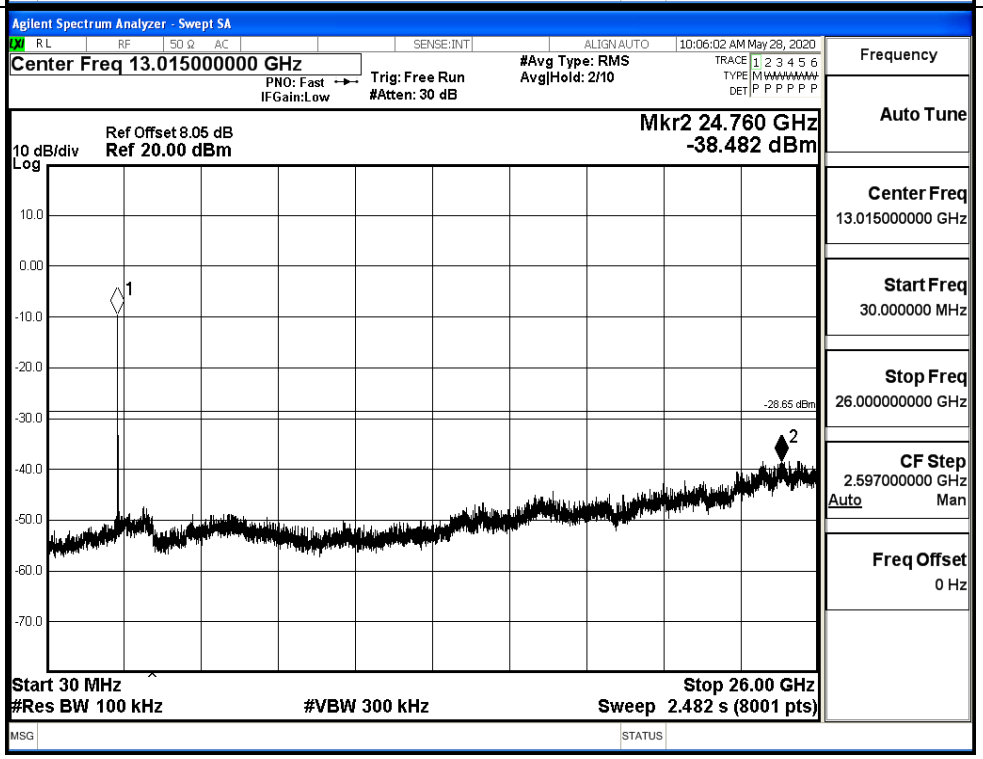
ANT0

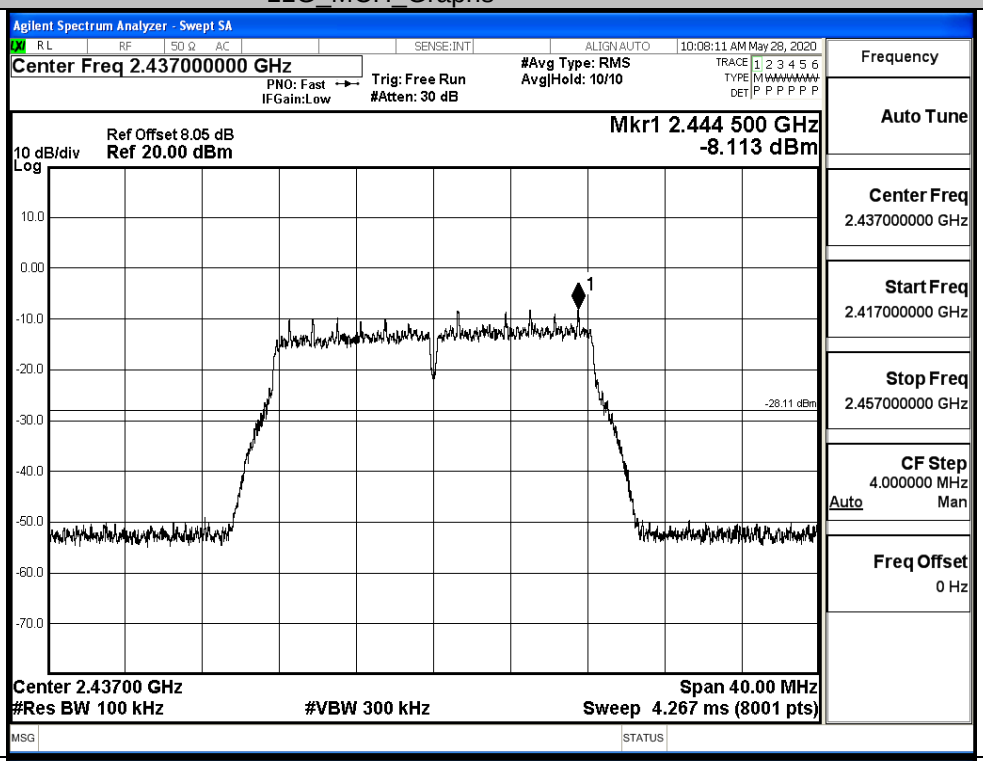
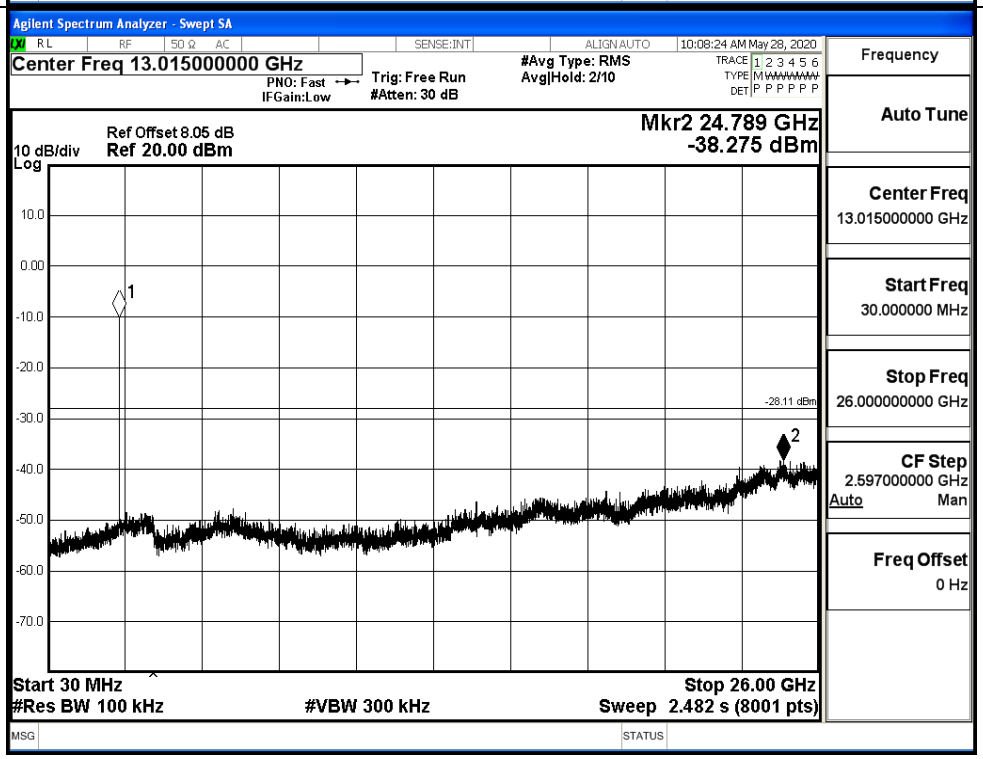
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.031	-38.636	-22.031	PASS
	MCH	-1.398	-38.018	-21.398	PASS
	HCH	-2.214	-37.927	-22.214	PASS
11G	LCH	-8.645	-38.482	-28.645	PASS
	MCH	-8.113	-38.275	-28.113	PASS
	HCH	-7.904	-37.897	-27.904	PASS
11N20 SISO	LCH	-8.914	-38.181	-28.914	PASS
	MCH	-8.187	-38.103	-28.187	PASS
	HCH	-7.958	-38.099	-27.958	PASS
11N40 SISO	LCH	-10.627	-38.878	-30.627	PASS
	MCH	-10.658	-37.777	-30.658	PASS
	HCH	-10.762	-38.502	-30.762	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		

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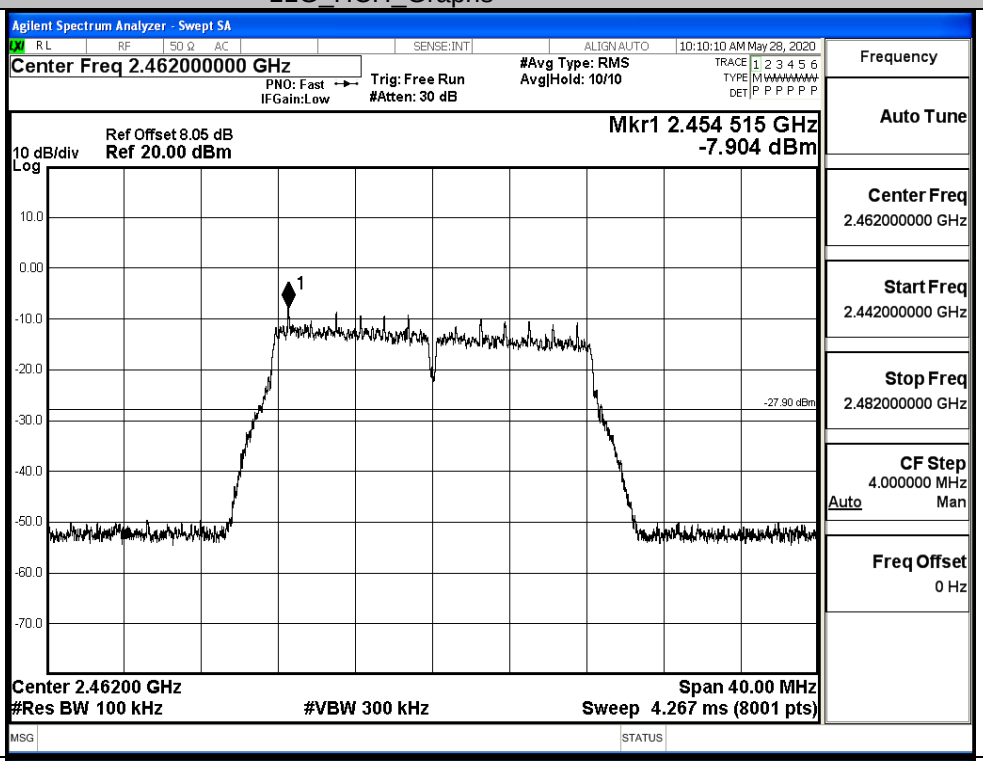
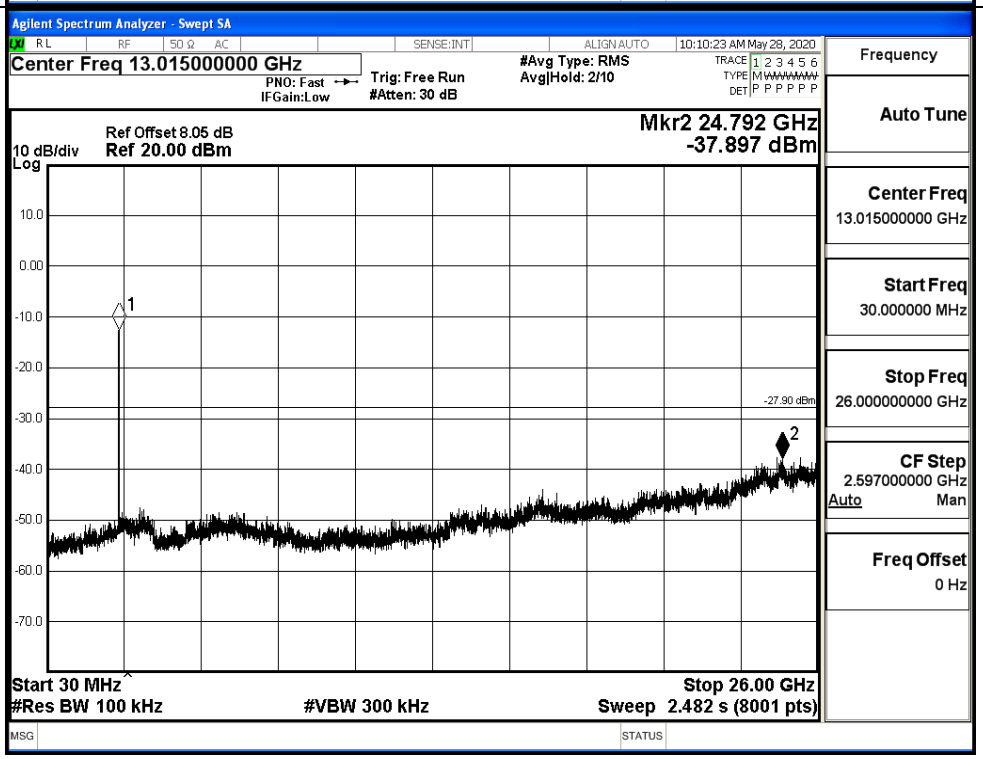
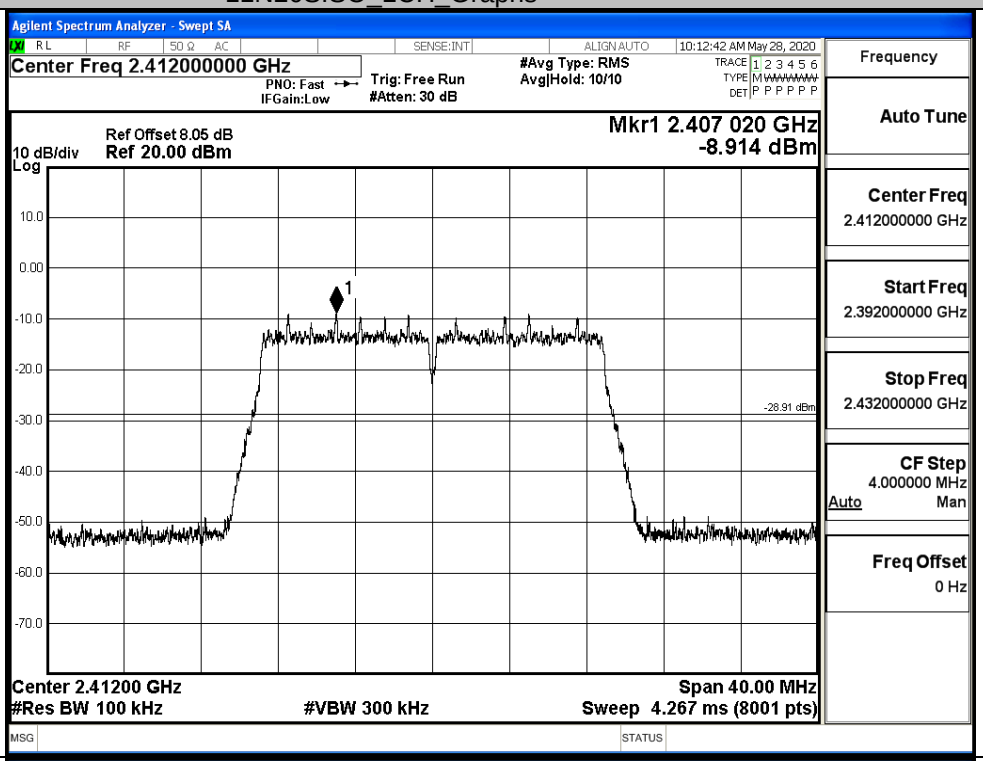
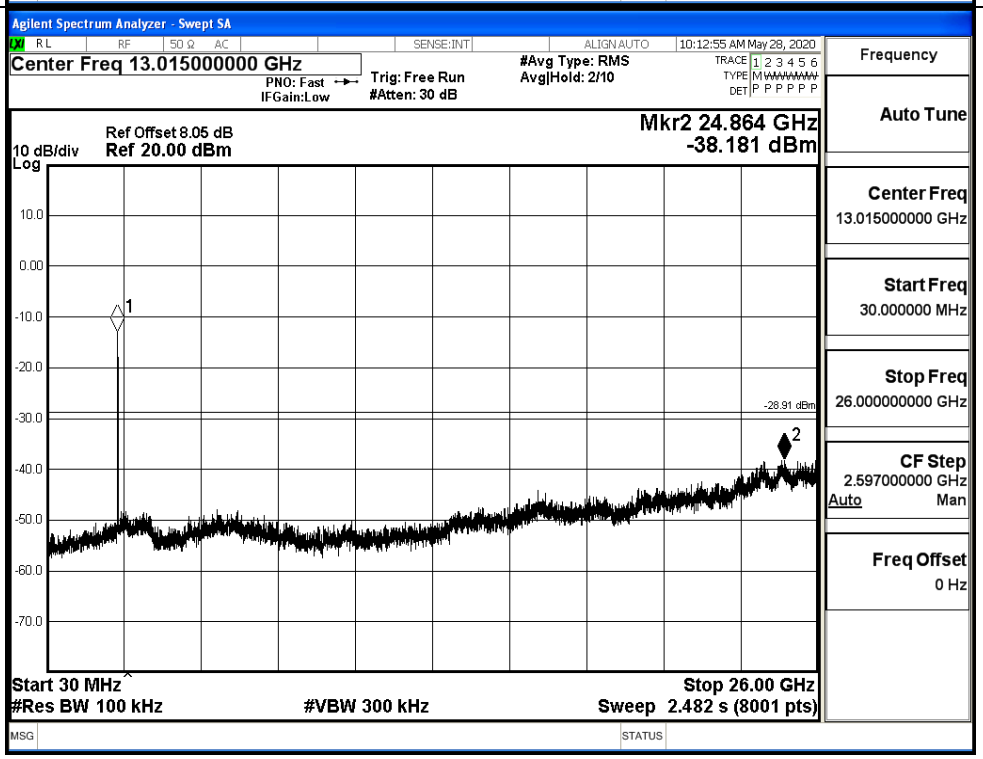
Pref/11G/HCH	
Puw/11G/HCH	

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

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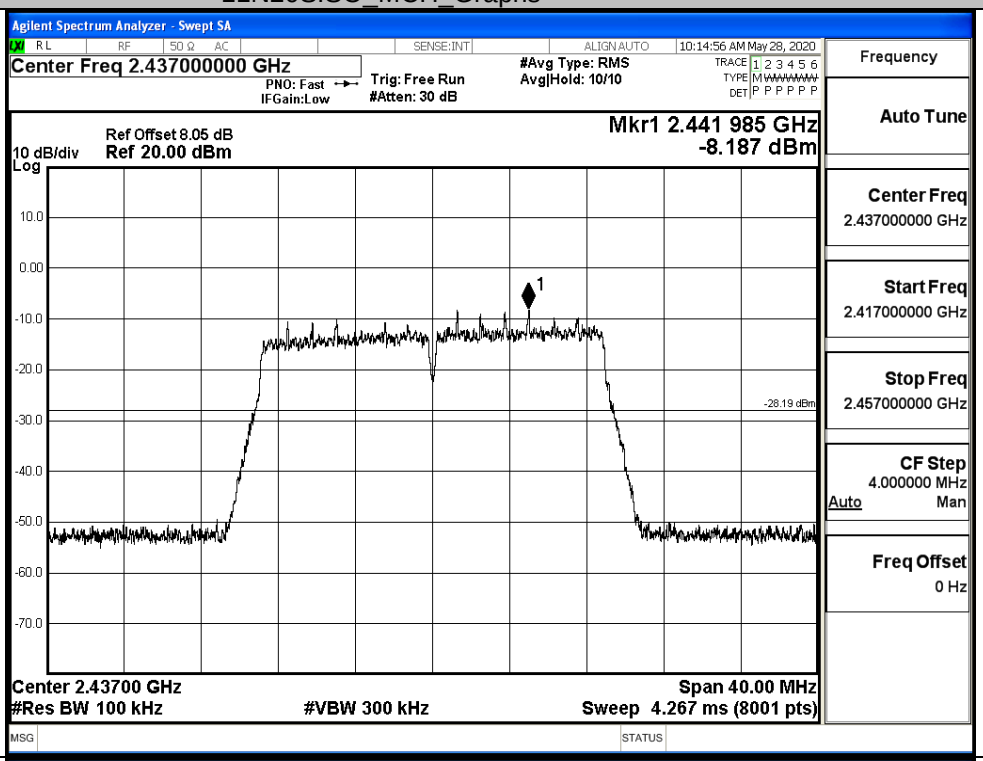
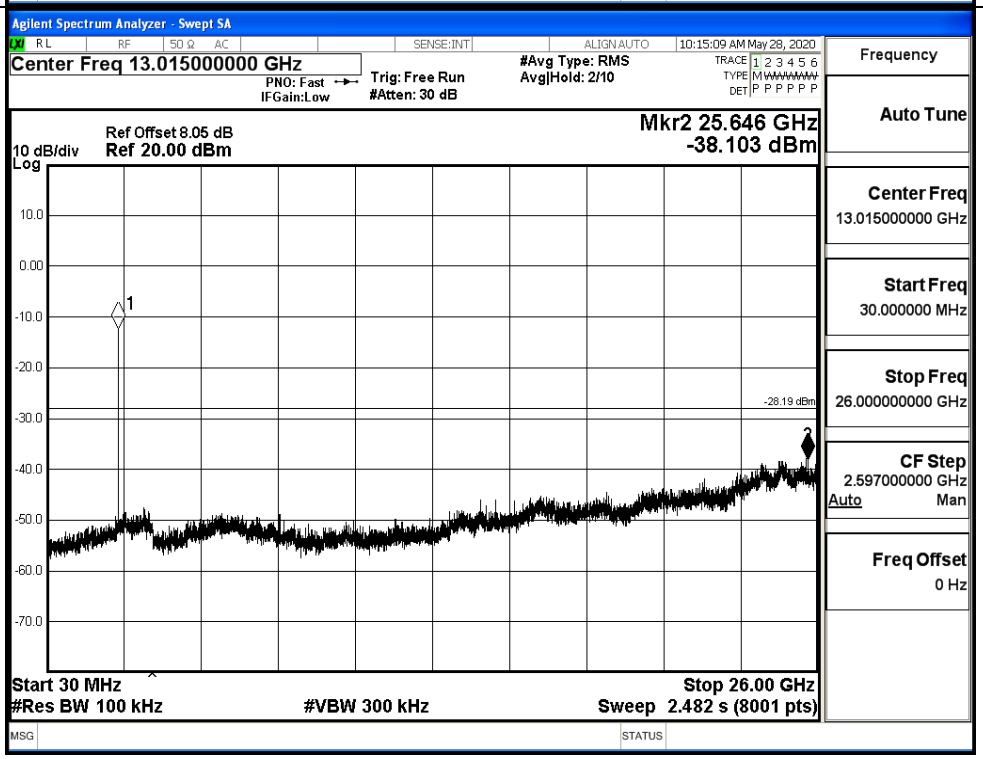
Pref/11N20 SISO/MCH	
Puw/11N20 SISO/MCH	

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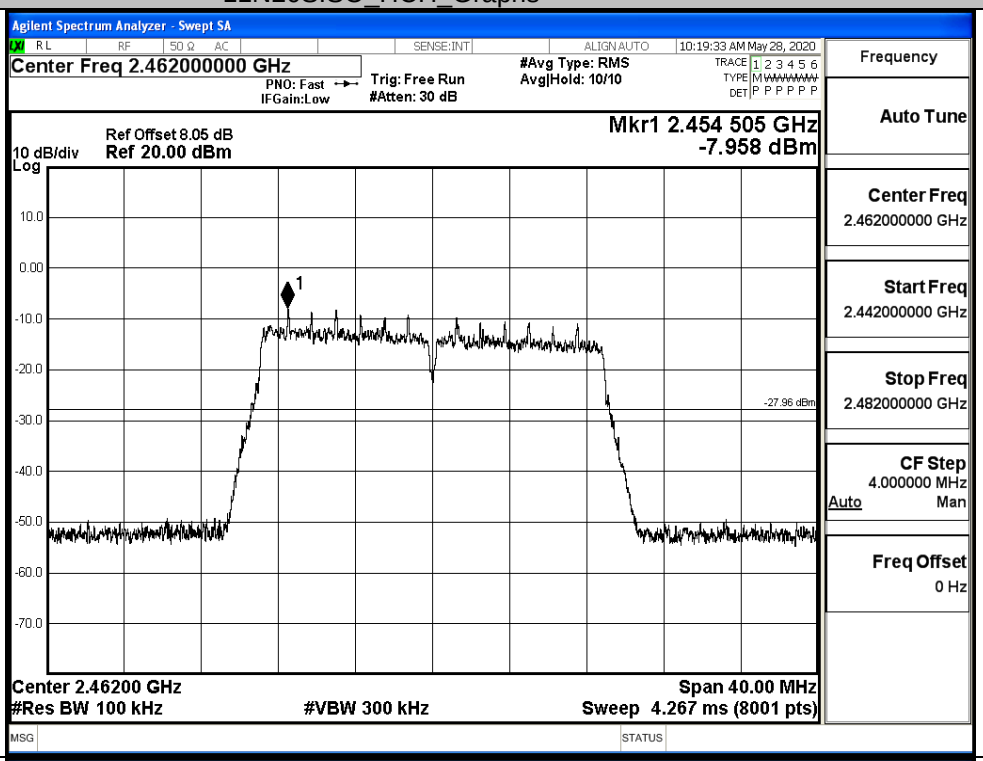
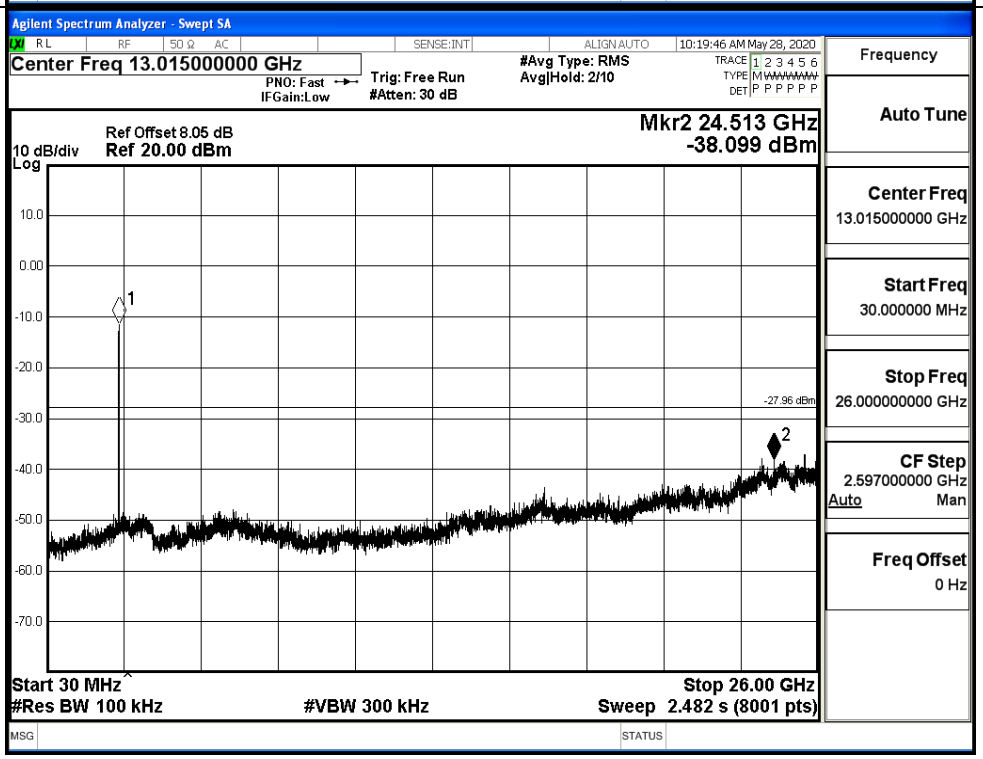
Pref/11N20 SISO/HCH	
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