Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: DUNE HD Pro Vision 4K Solo
Trade Mark: DUNE HD
Test Model: Pro Vision 4K Solo

Environmental Conditions

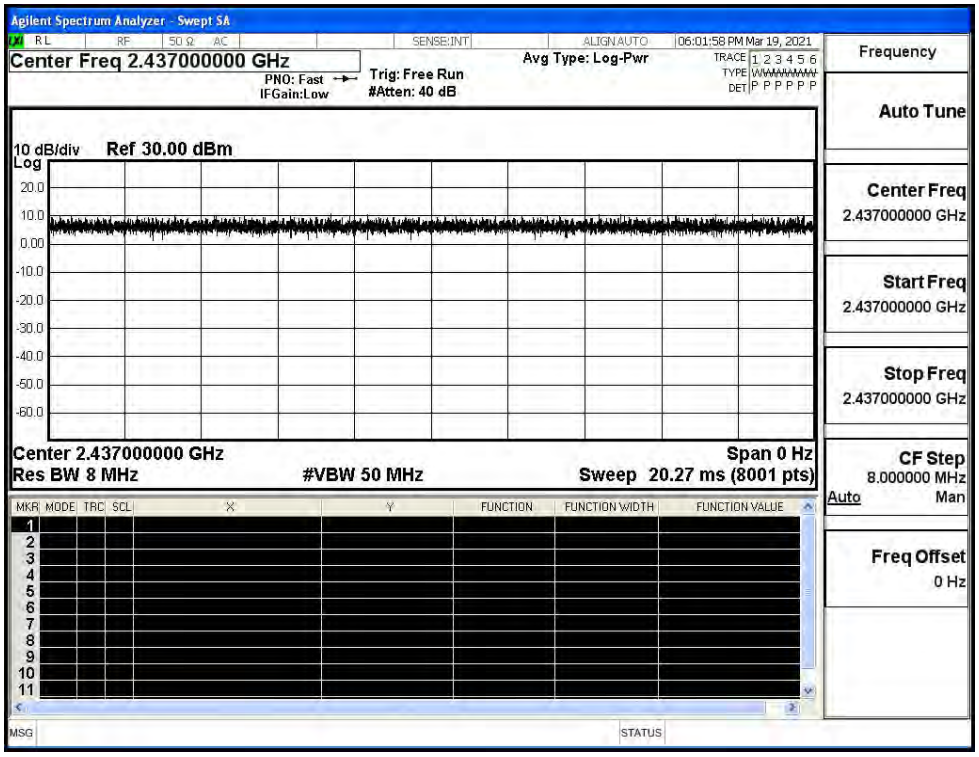
Temperature:	22.6° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

C.1 Duty Cycle

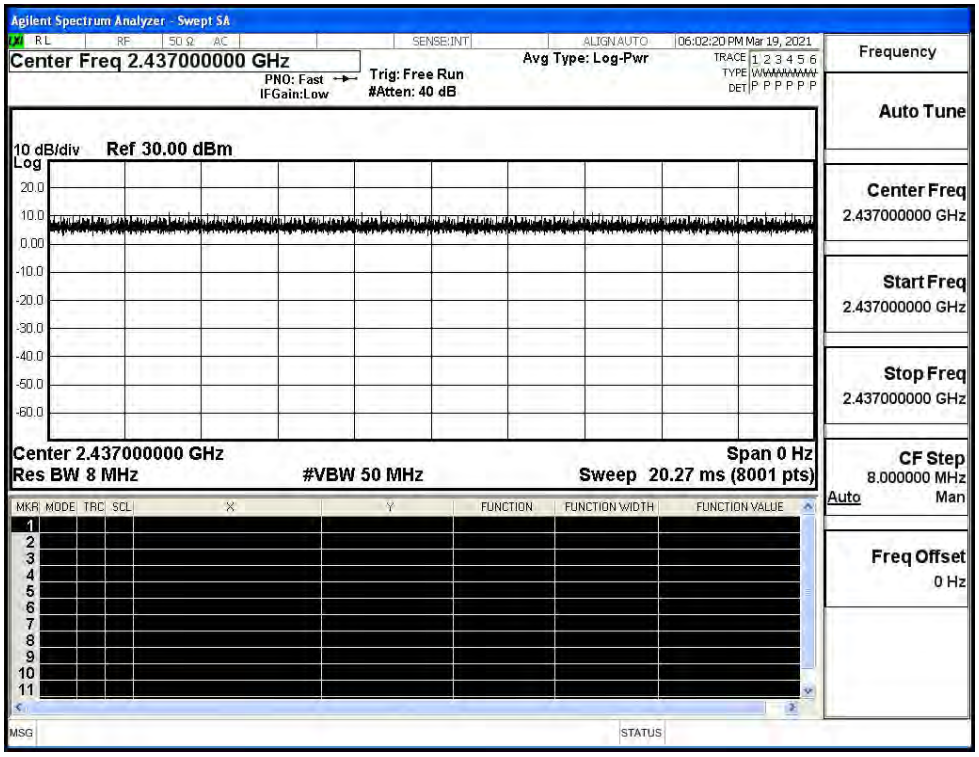
Ant0

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

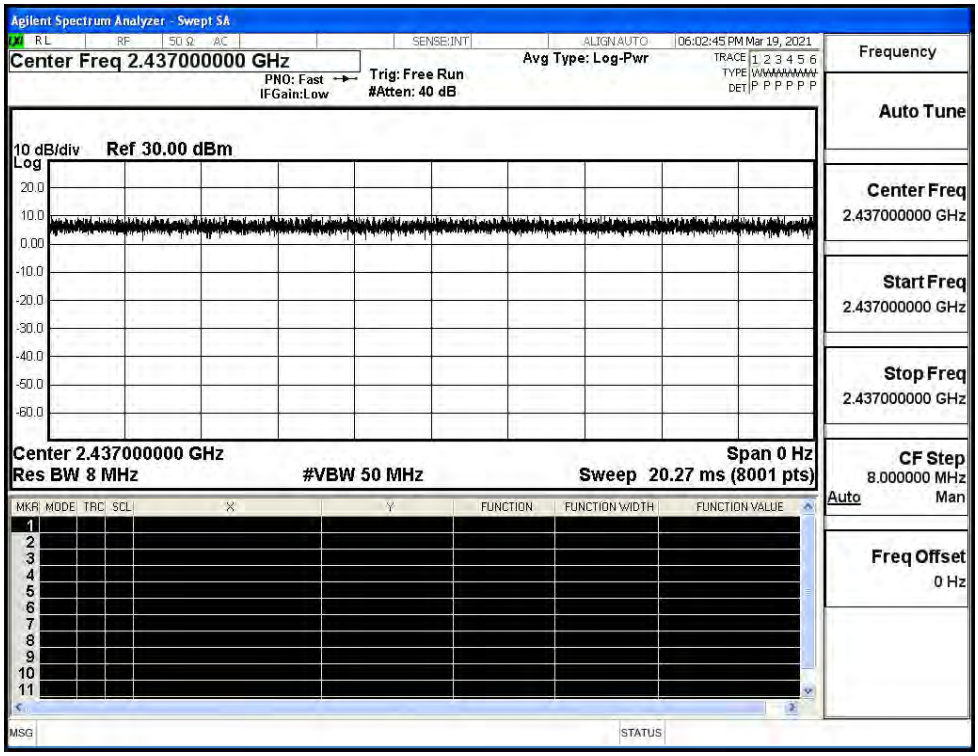
Duty Cycle_11B_2437_Ant1



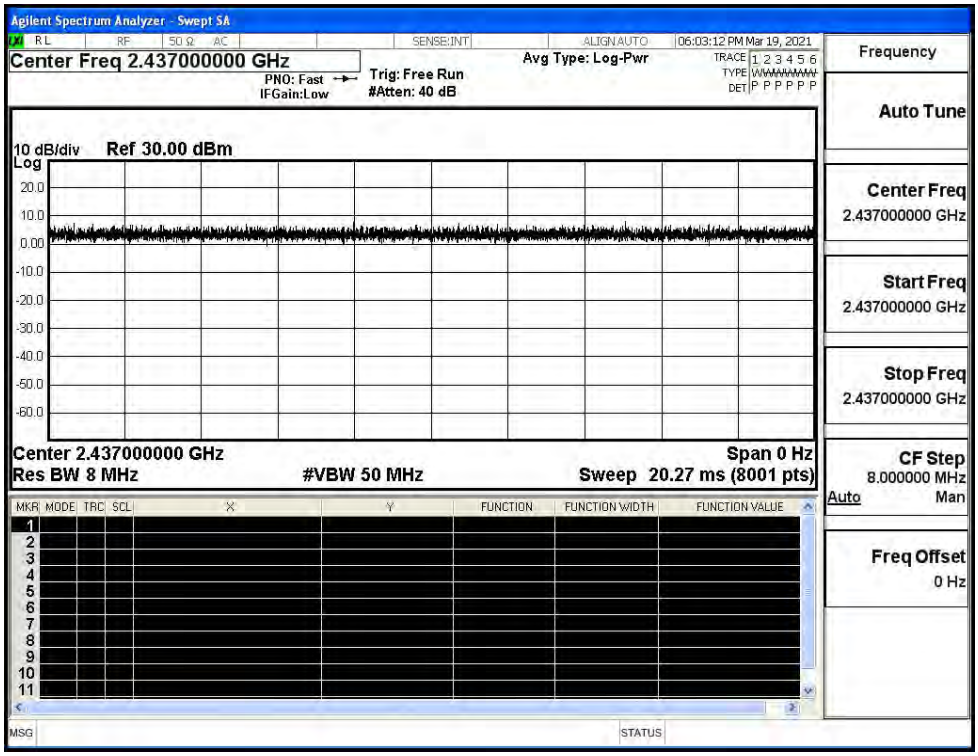
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



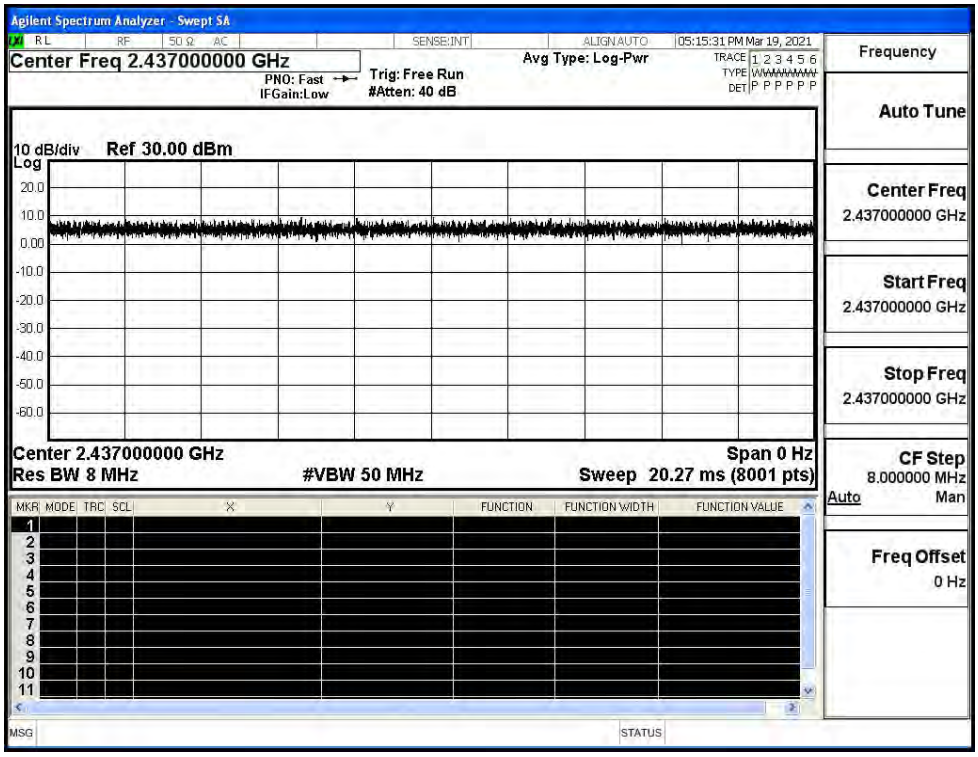
Duty Cycle_11N40SISO_2437_Ant1



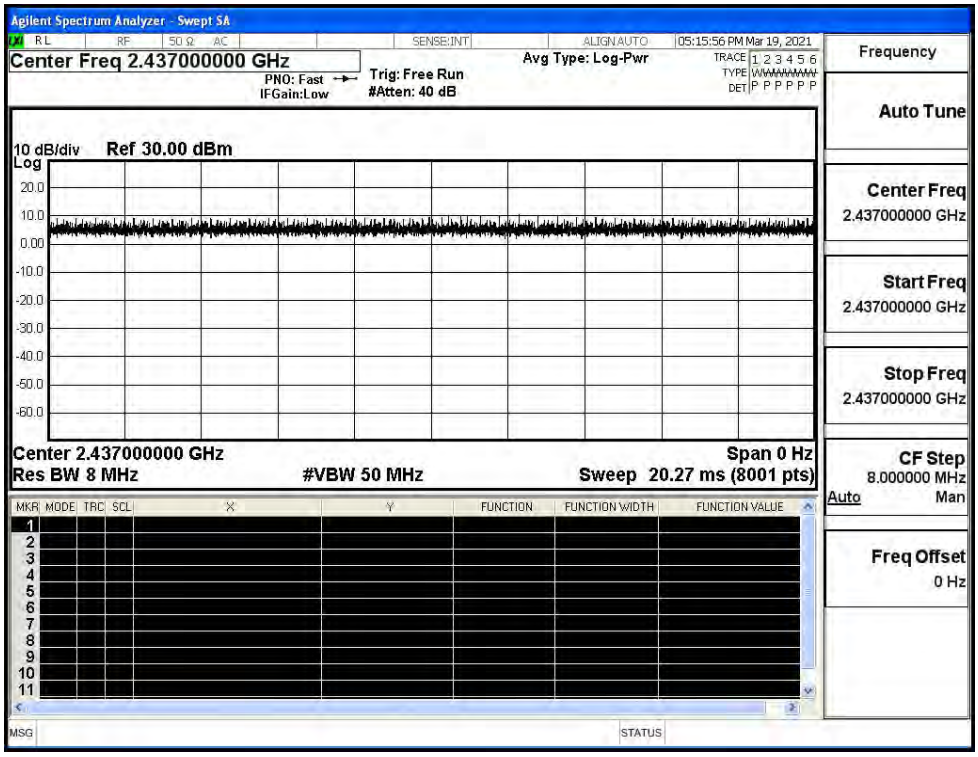
Ant1

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

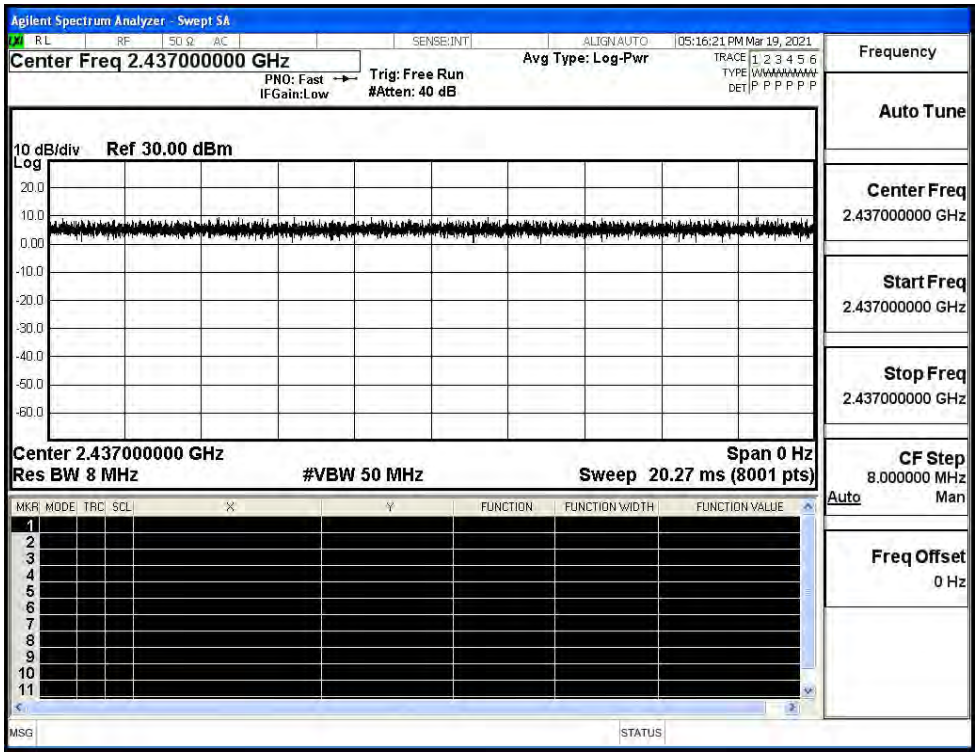
Duty Cycle_11B_2437_Ant1



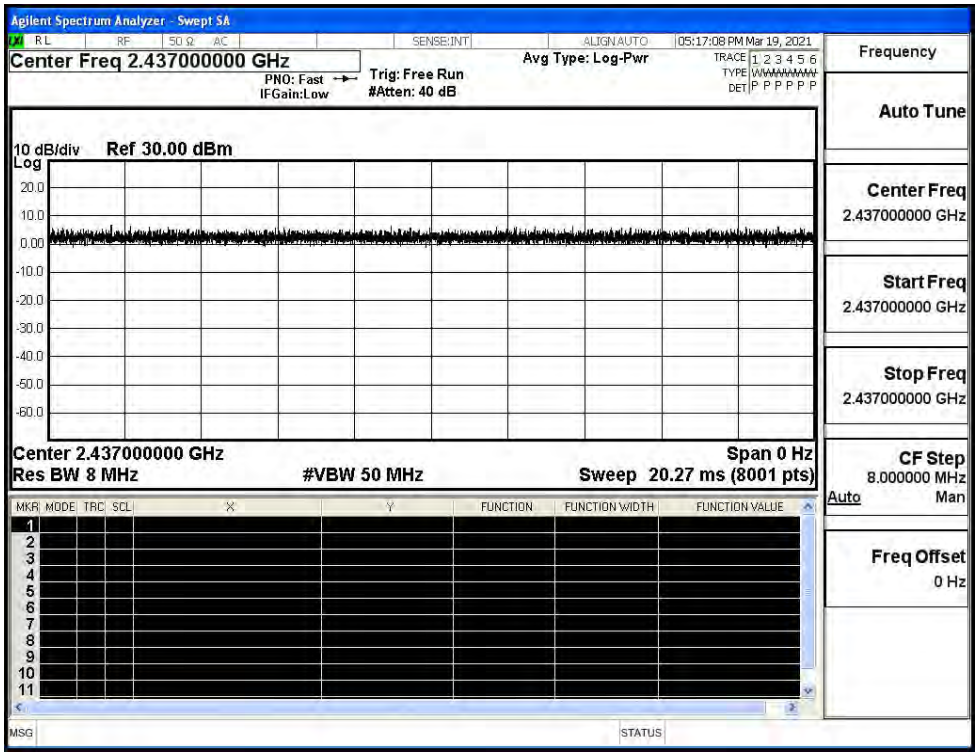
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



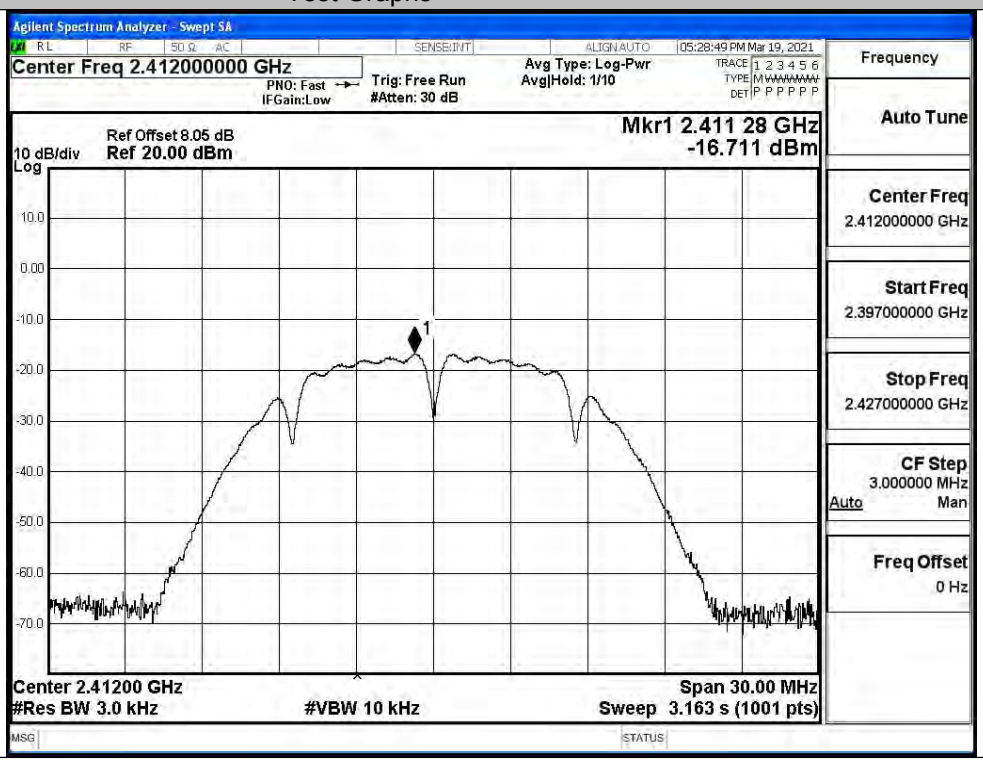
C.2 Maximum Conducted Output Power

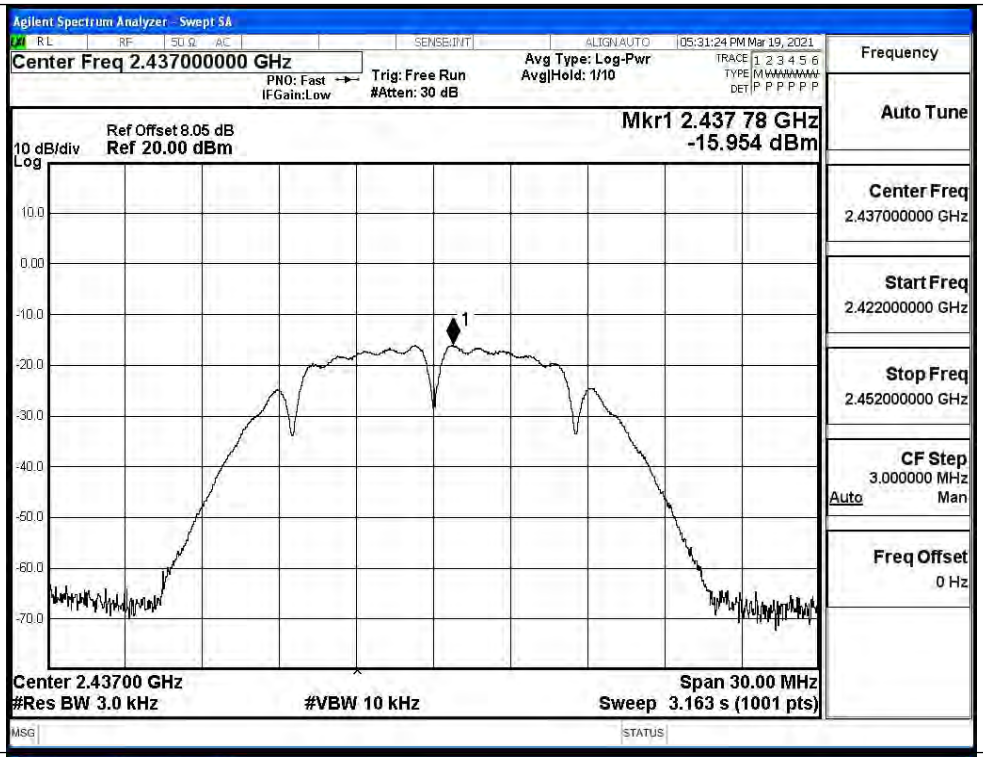
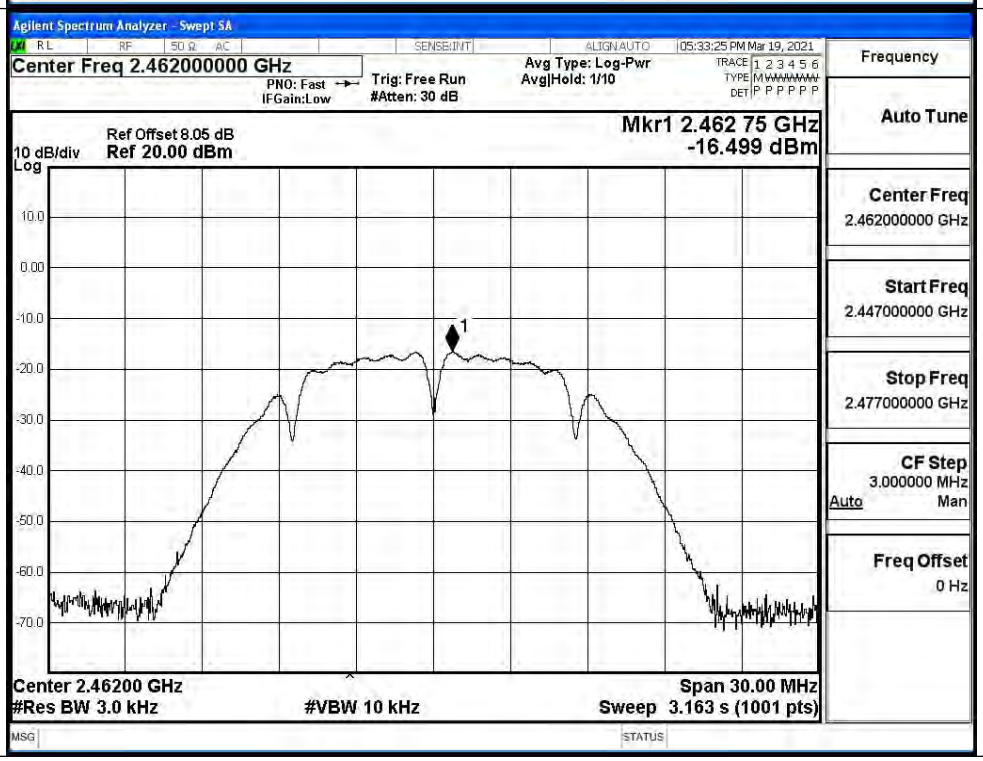
Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	16.28	16.75	/	30	PASS
	MCH	16.96	17.41	/	30	PASS
	HCH	16.50	17.41	/	30	PASS
11G	LCH	16.84	16.84	/	30	PASS
	MCH	17.77	17.62	/	30	PASS
	HCH	16.05	16.76	/	30	PASS
11N20	LCH	16.62	16.14	19.40	30	PASS
	MCH	17.4	17.65	**20.54**	30	PASS
	HCH	16.74	16.07	19.43	30	PASS
11N40	LCH	16.79	16.14	19.49	30	PASS
	MCH	17.23	16.63	19.95	30	PASS
	HCH	16.78	17.46	20.14	30	PASS

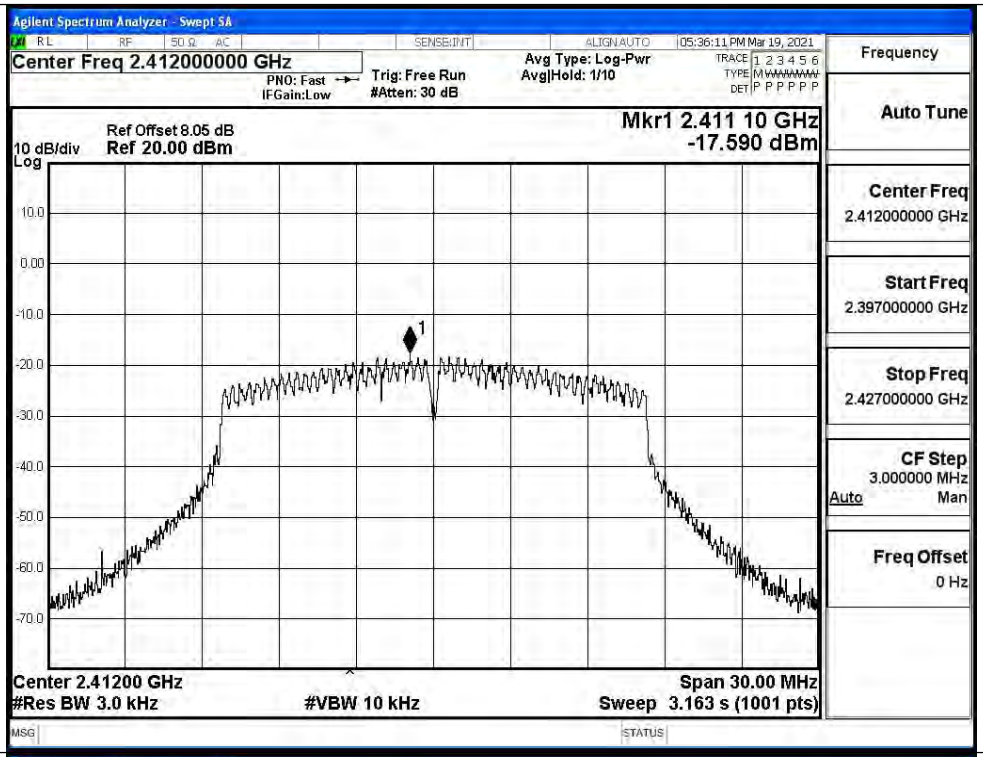
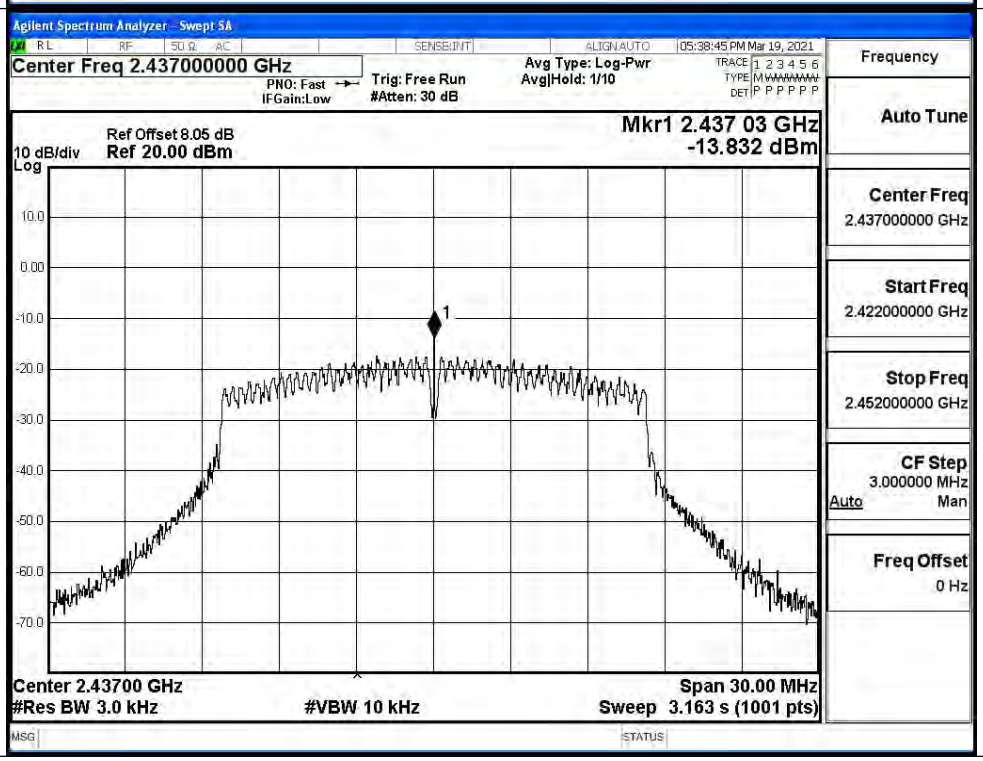
C.3 Maximum Power Spectral Density

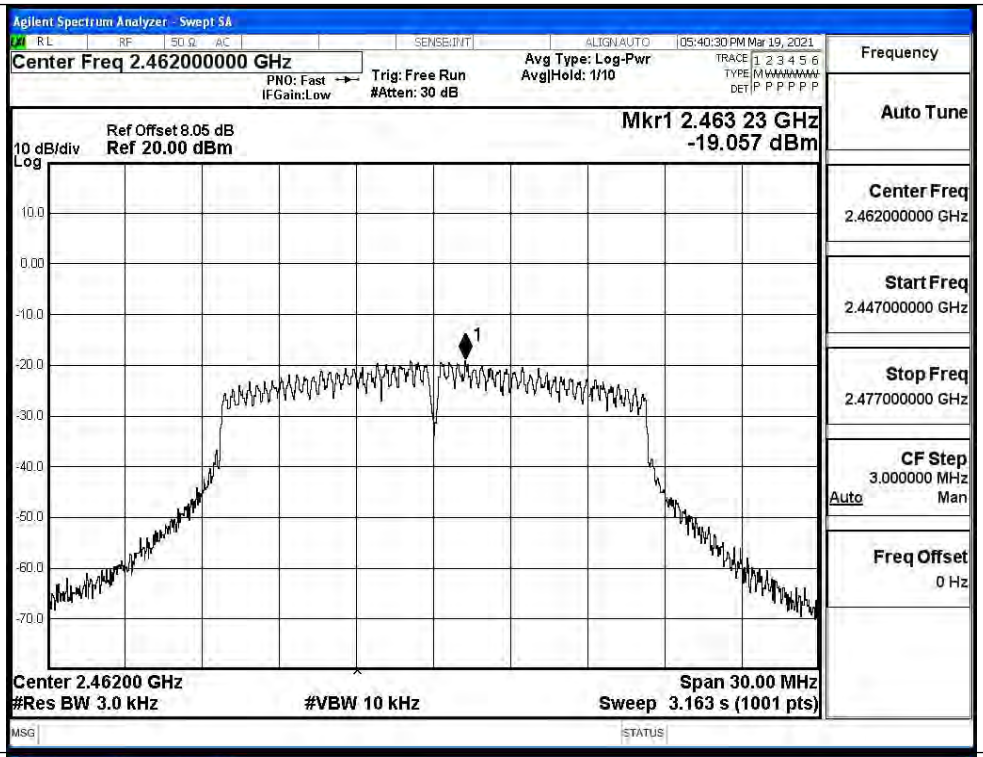
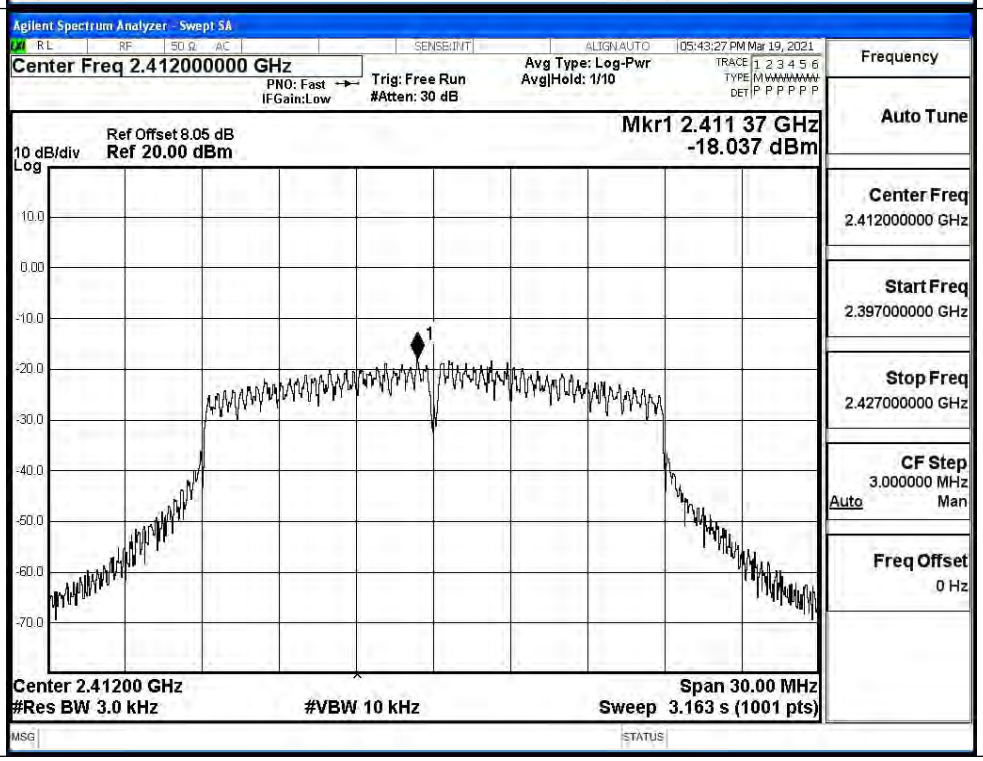
Ant0

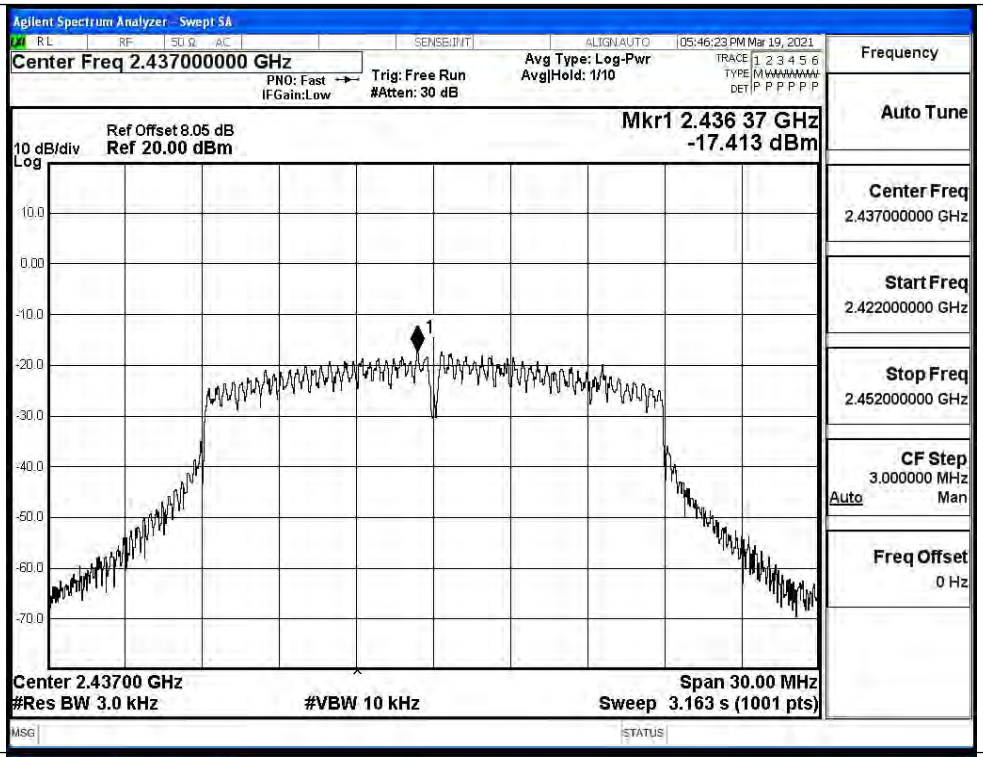
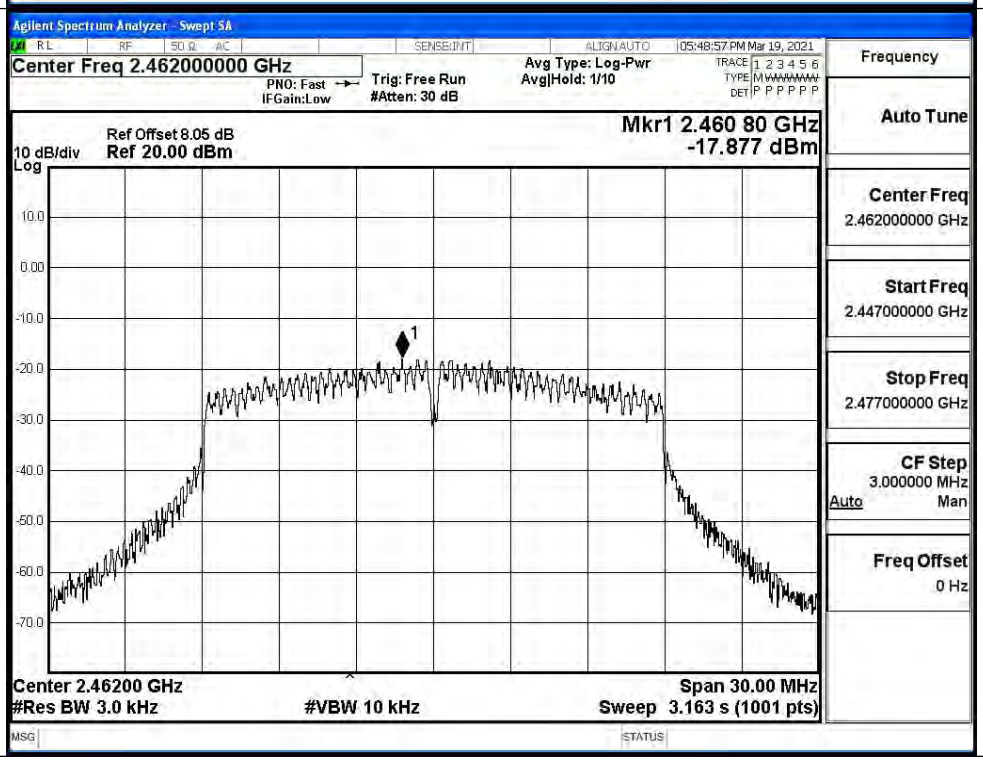
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-16.711	8	PASS
	MCH	-15.954	8	PASS
	HCH	-16.499	8	PASS
11G	LCH	-17.590	8	PASS
	MCH	-13.832	8	PASS
	HCH	-19.057	8	PASS
11N20SISO	LCH	-18.037	8	PASS
	MCH	-17.413	8	PASS
	HCH	-17.877	8	PASS
11N40SISO	LCH	-17.050	8	PASS
	MCH	-18.761	8	PASS
	HCH	-18.323	8	PASS

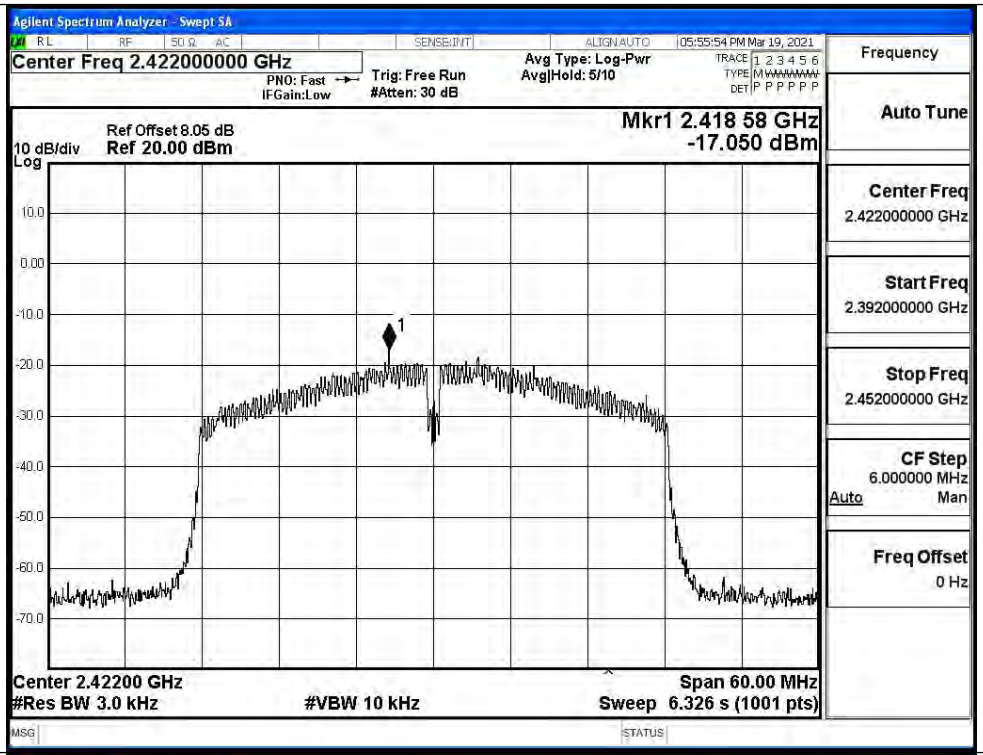
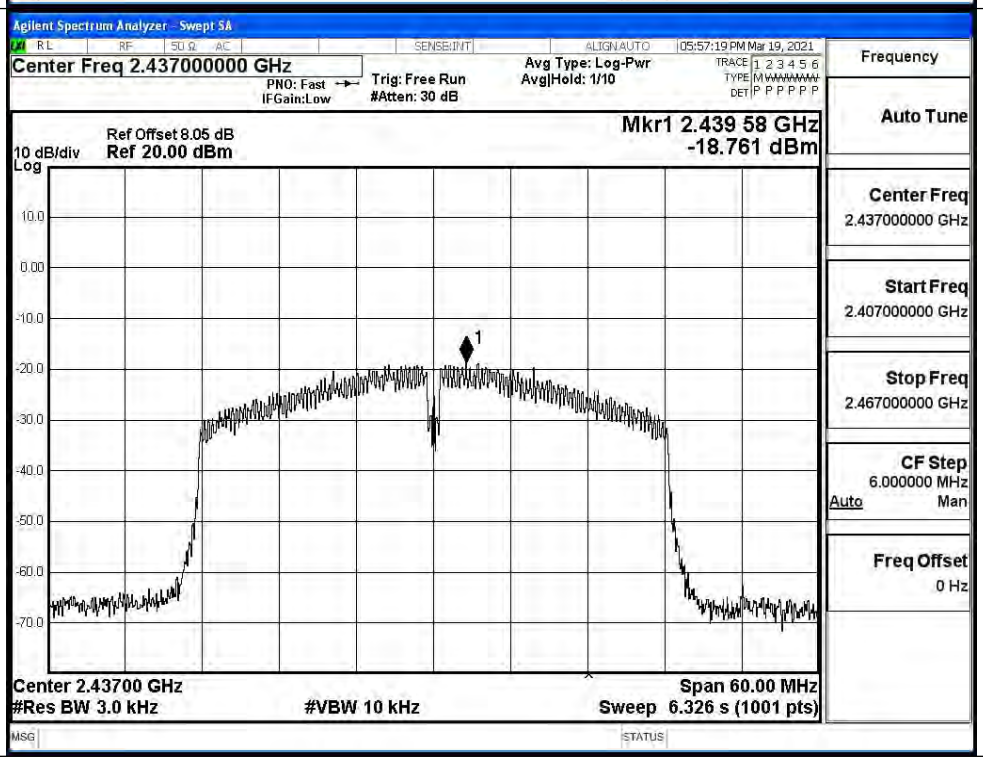
Test Graphs		
11B/LCH		

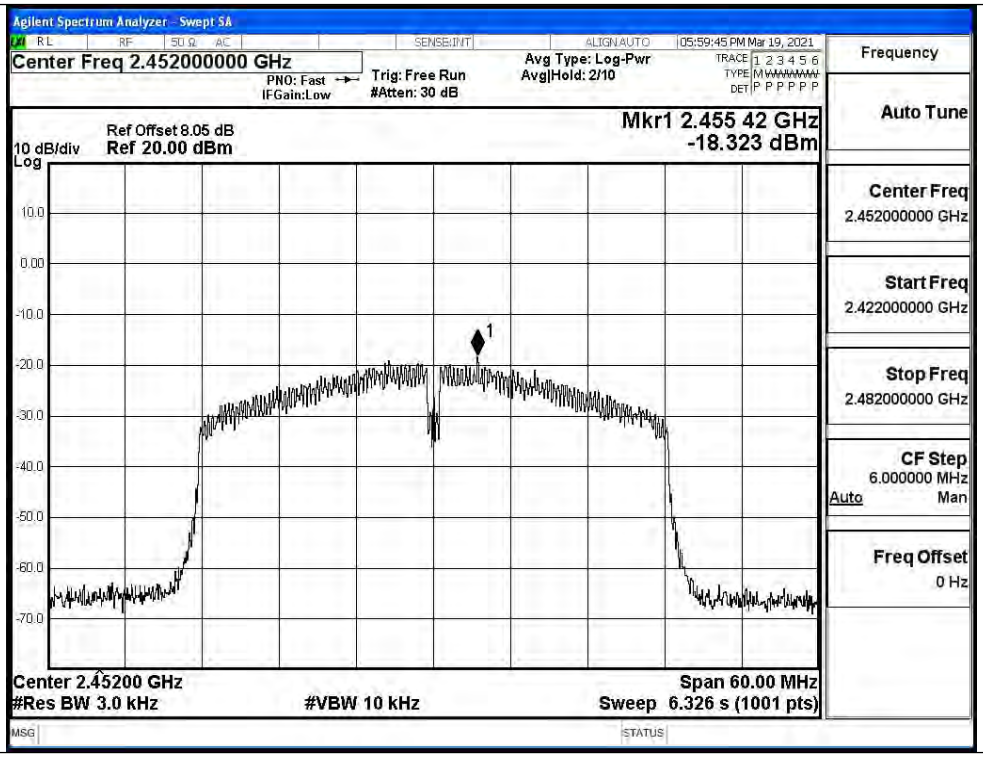
11B/MCH		
11B/HCH		

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

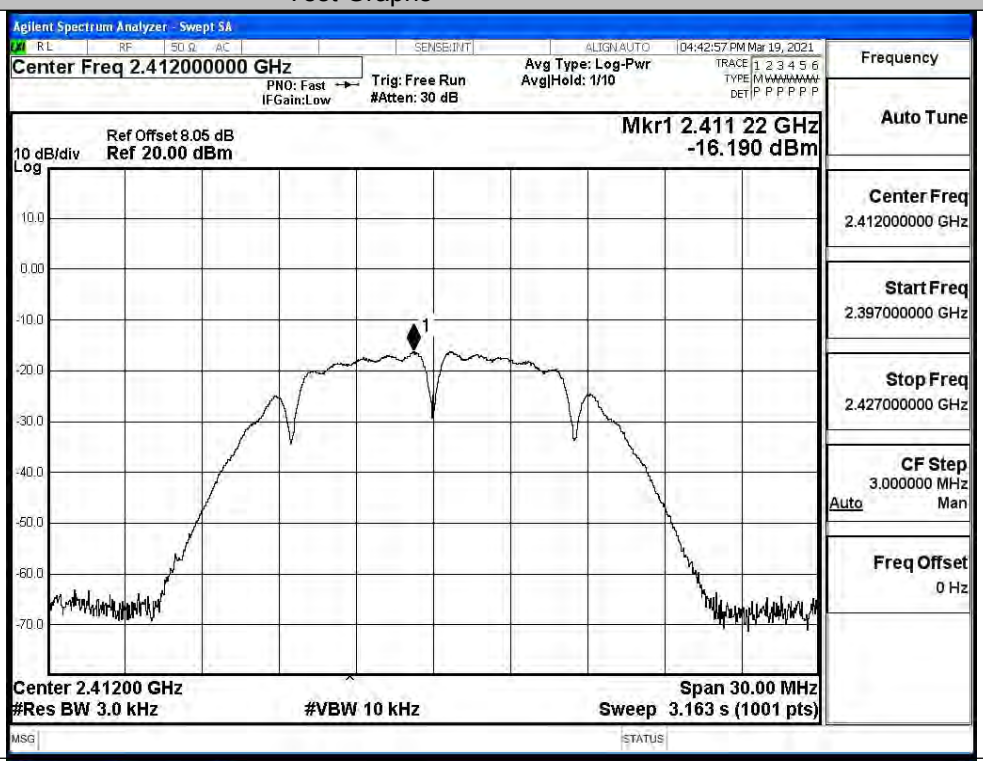
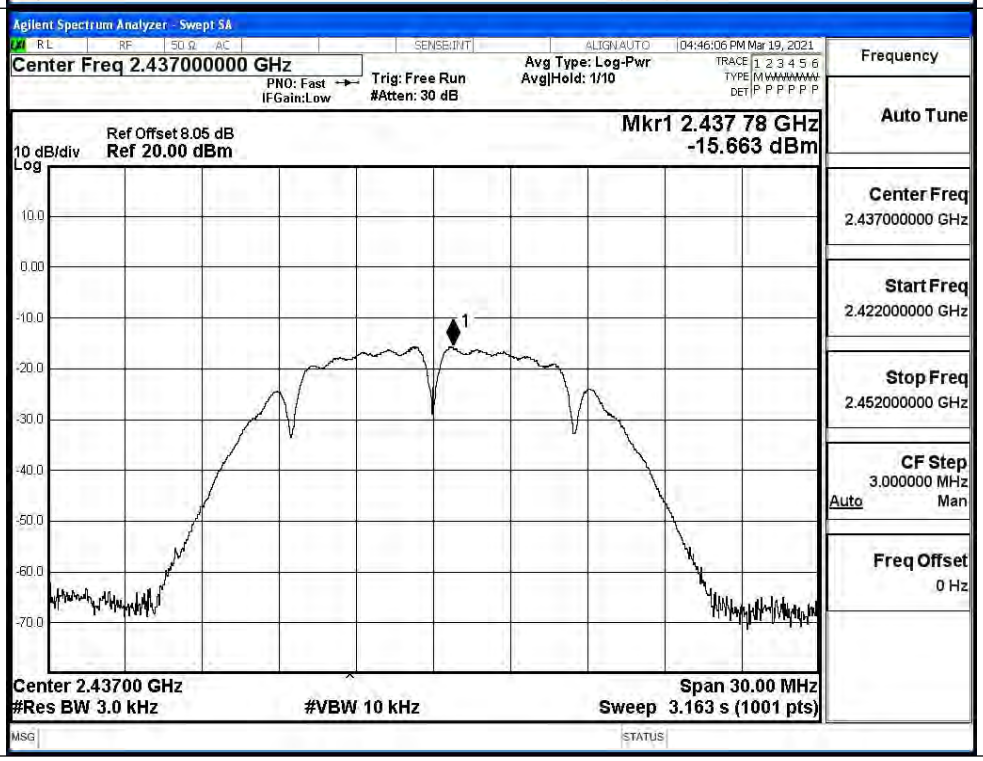
11N20SISO/MCH		
11N20SISO/HCH		

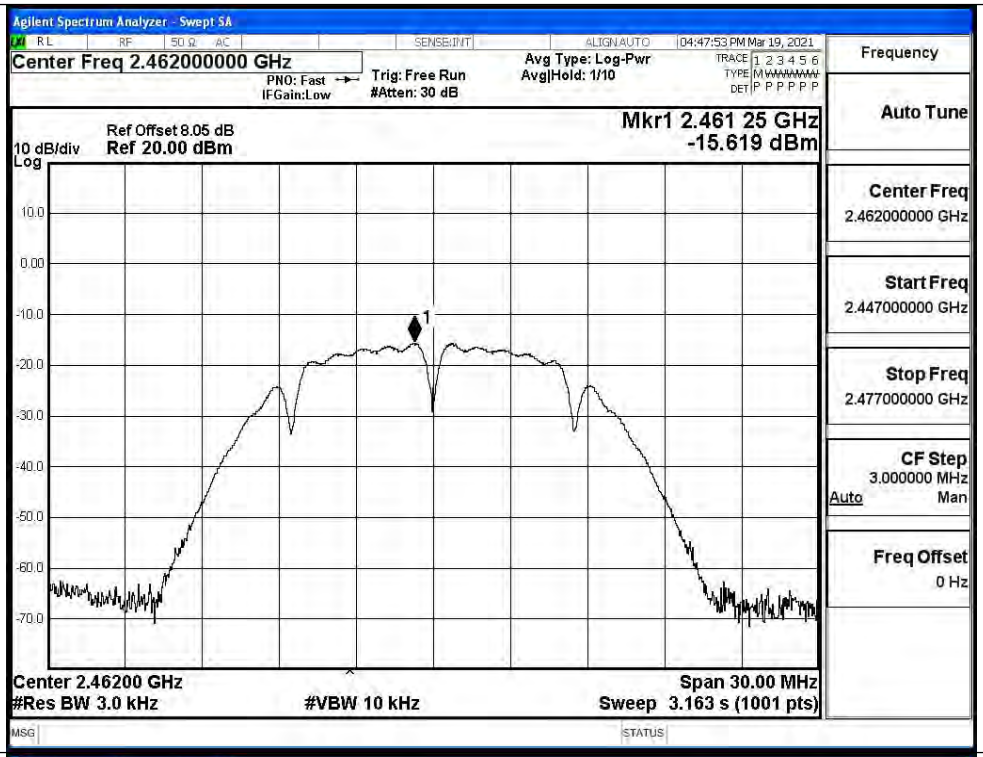
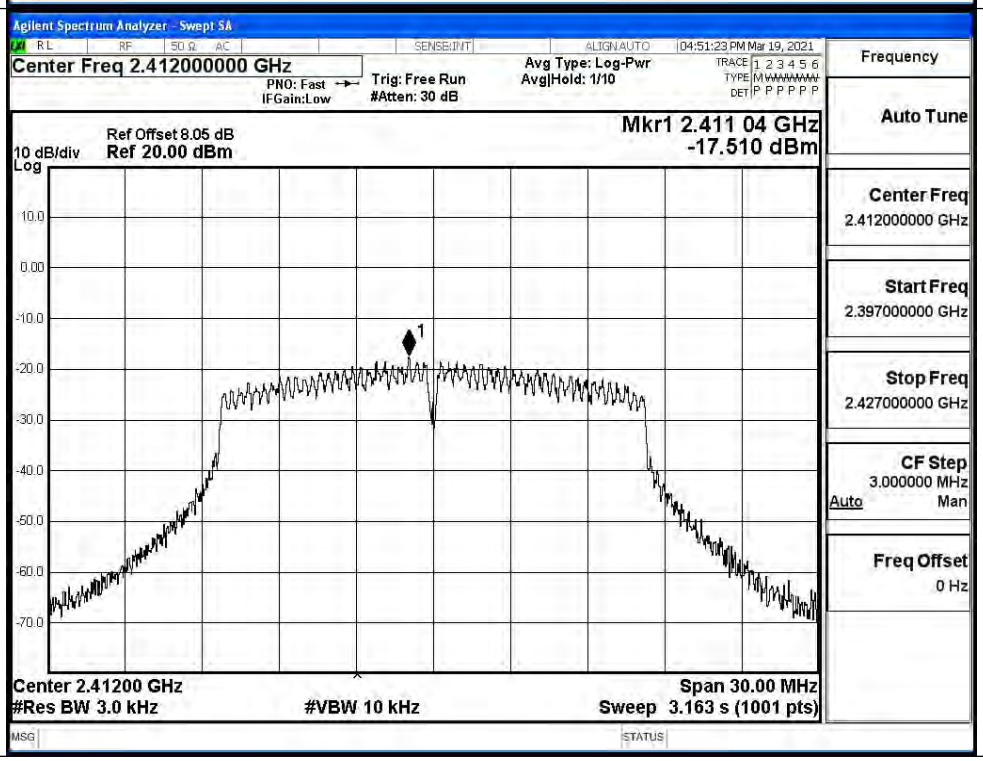
11N40SISO/LCH		
11N40SISO/MCH		

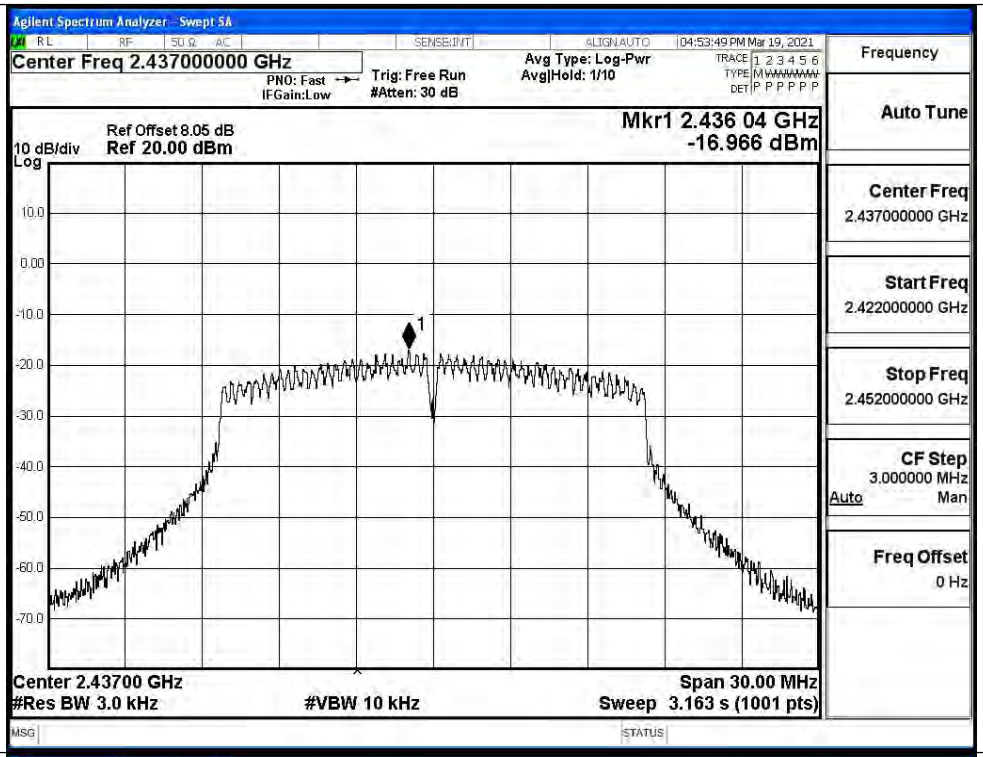
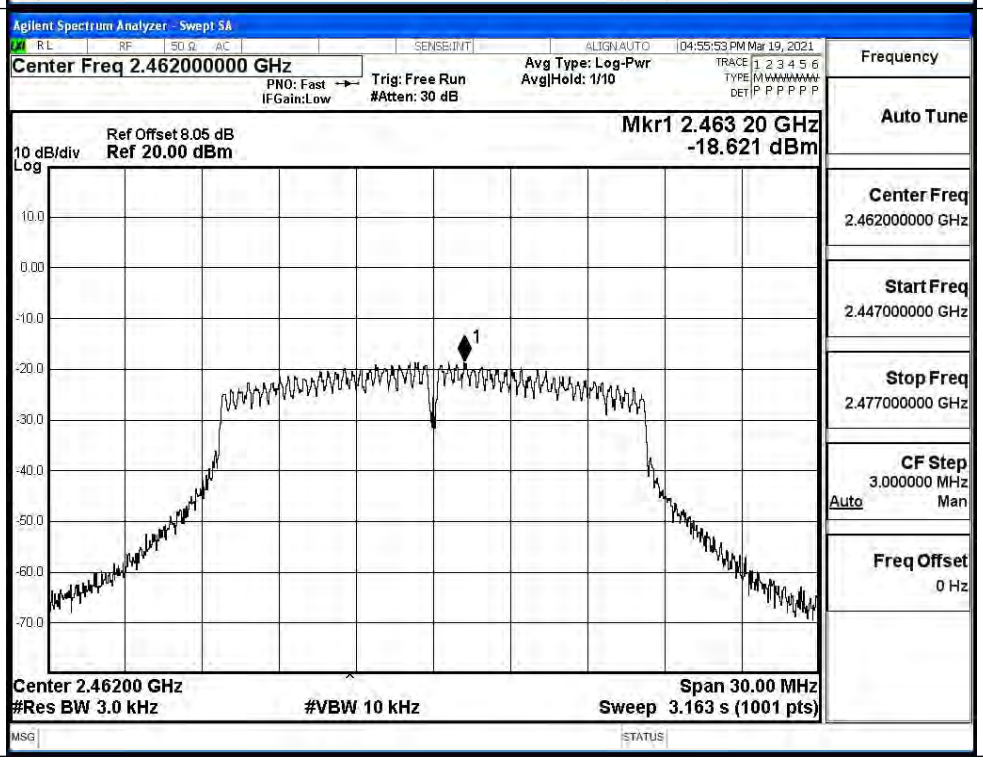
11N40SISO/HCH		

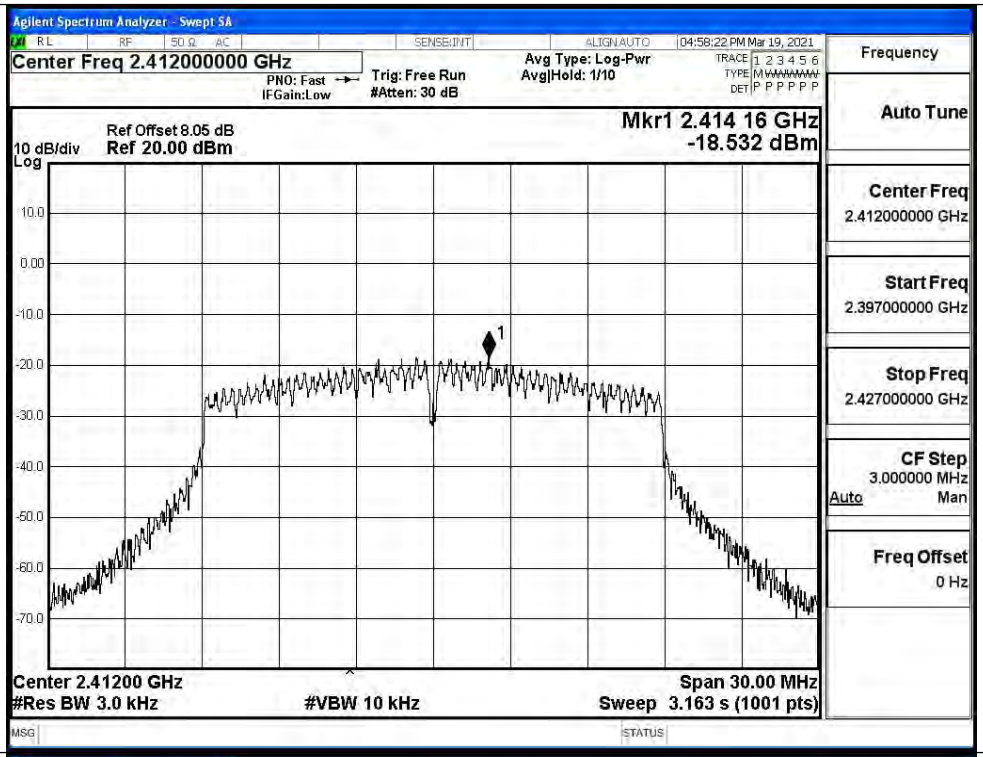
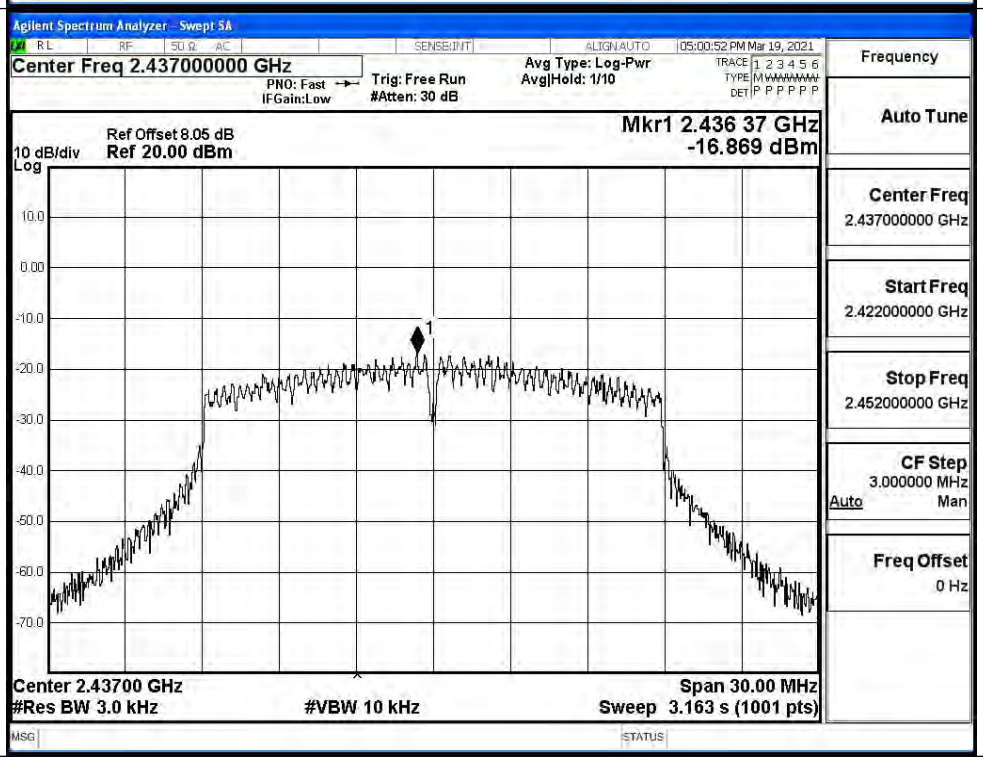
Ant1

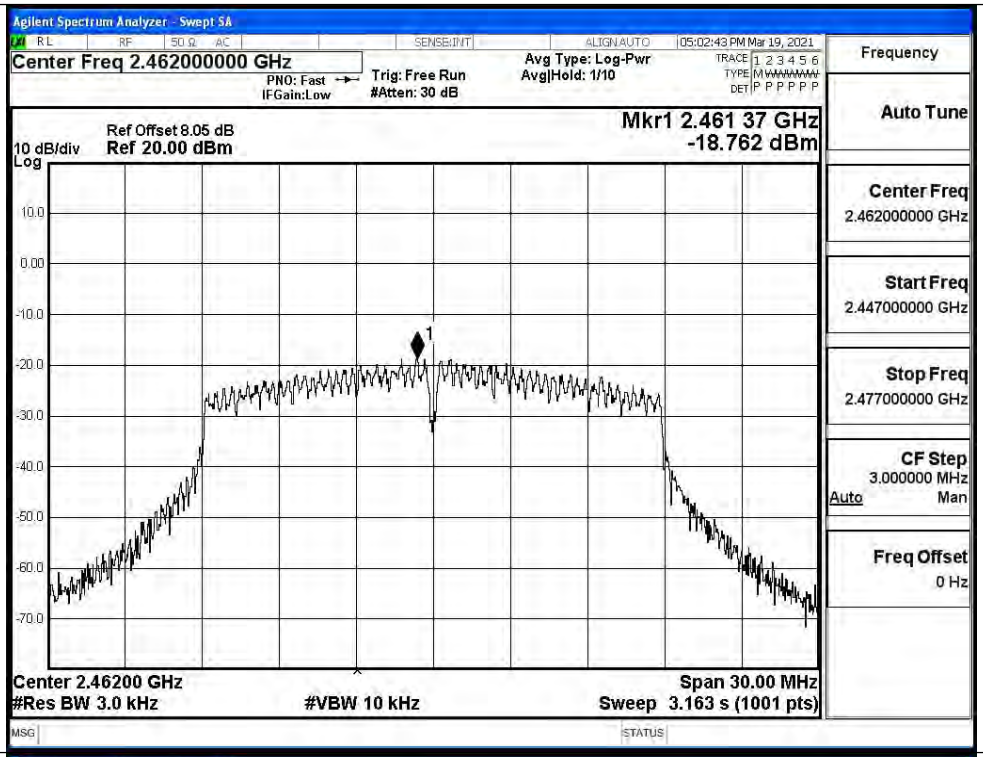
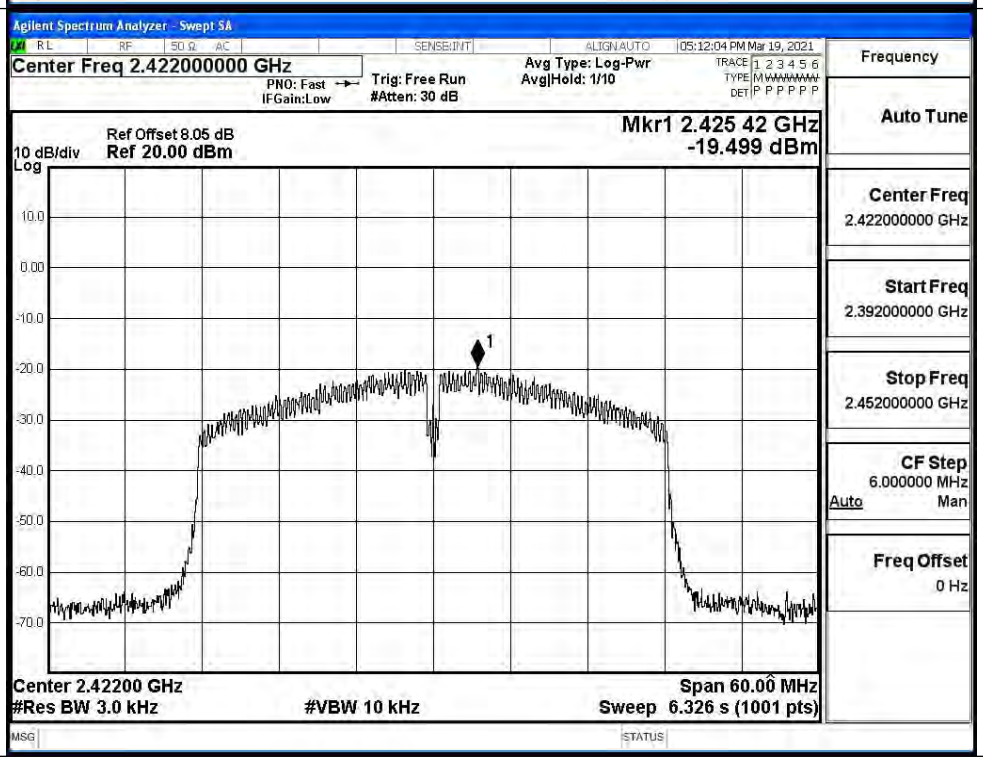
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-16.190	8	PASS
	MCH	-15.663	8	PASS
	HCH	-15.619	8	PASS
11G	LCH	-17.510	8	PASS
	MCH	-16.966	8	PASS
	HCH	-18.621	8	PASS
11N20SISO	LCH	-18.532	8	PASS
	MCH	-16.869	8	PASS
	HCH	-18.762	8	PASS
11N40SISO	LCH	-19.499	8	PASS
	MCH	-16.984	8	PASS
	HCH	-13.921	8	PASS

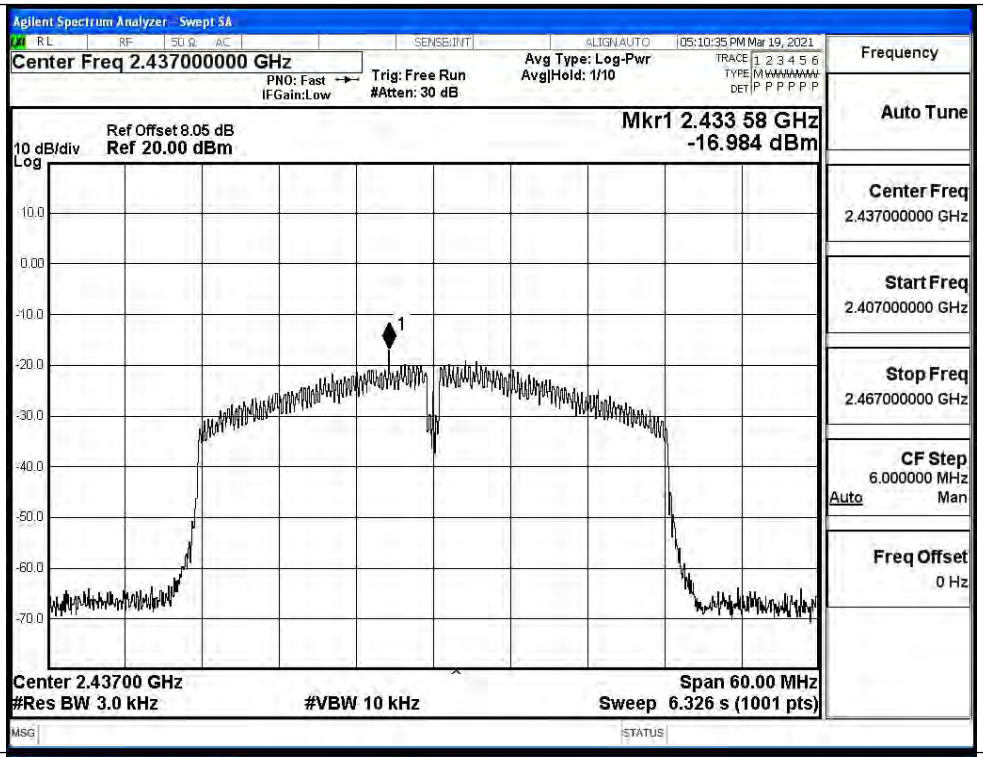
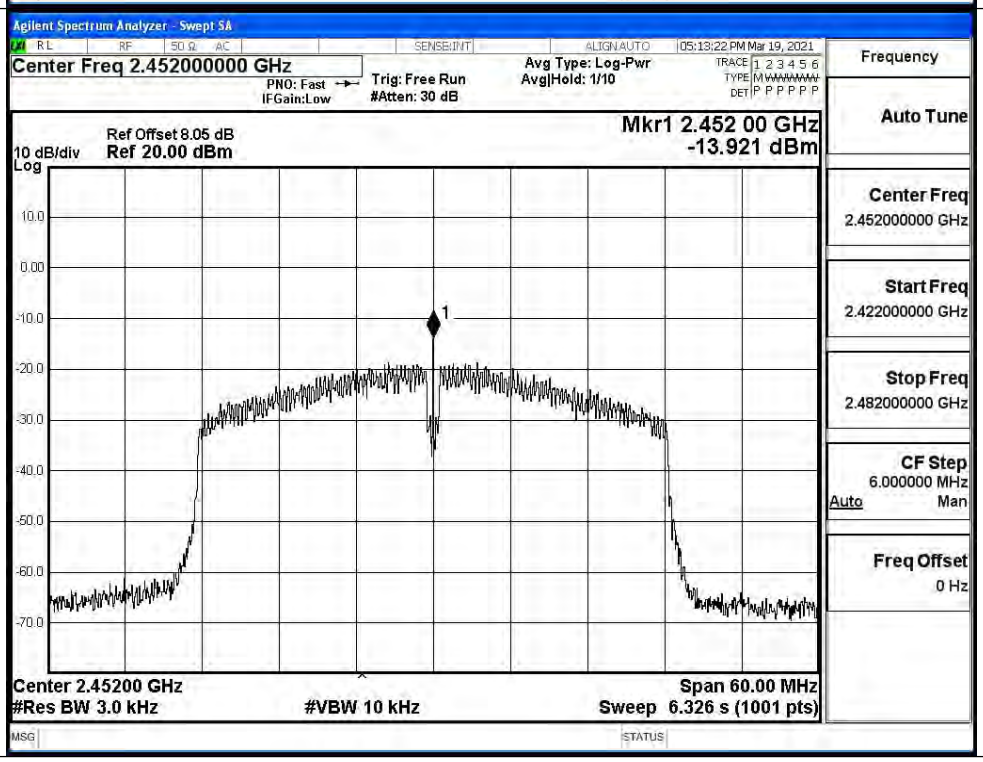
Test Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

11N20SISO/LCH		
11N20SISO/MCH		

11N20SISO/HCH		
11N40SISO/LCH		

11N40SISO/MCH		
11N40SISO/HCH		

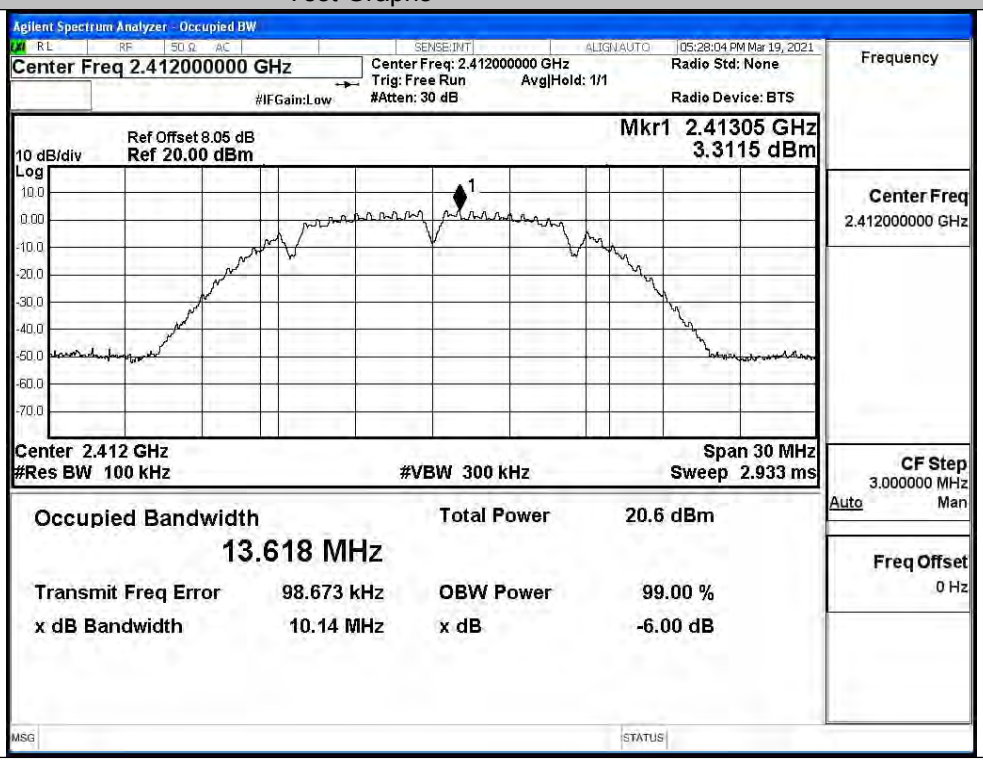
Combined Ant_0 and Ant_1

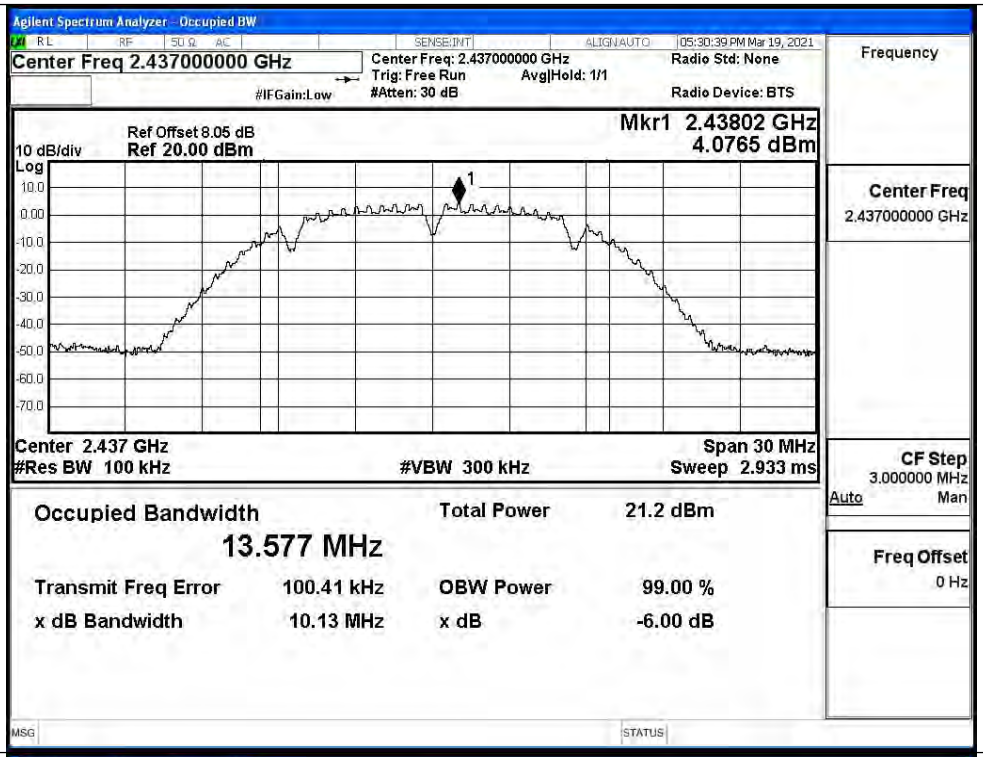
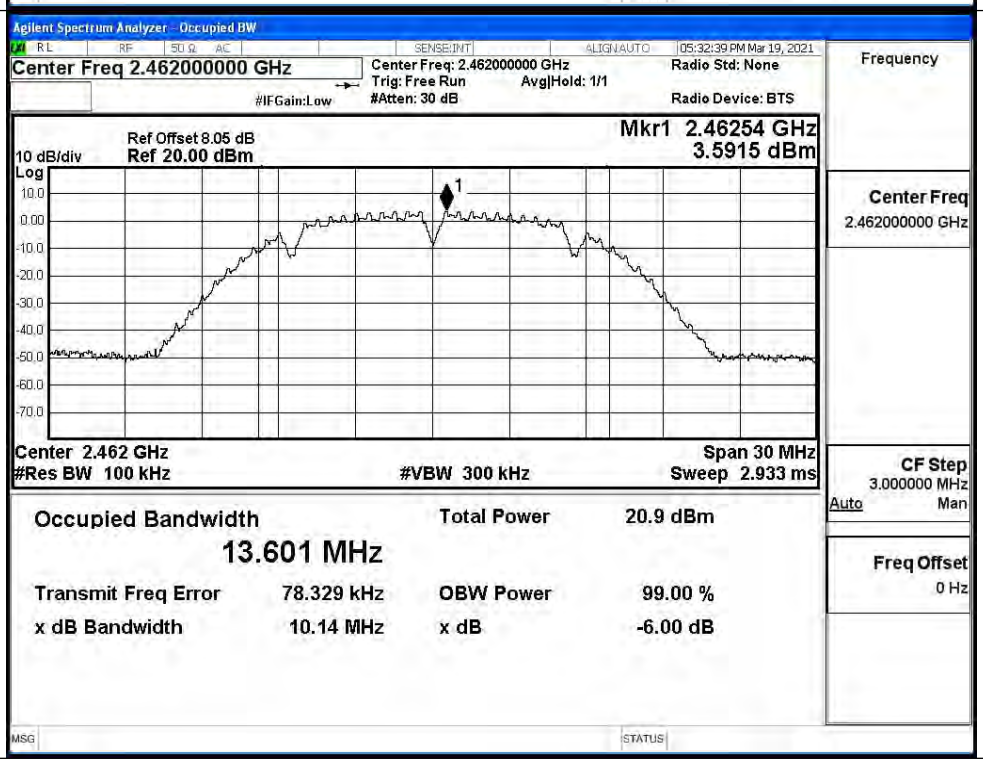
Mode	Channel	Result [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant_0	Ant_1	Sum		
11N20	LCH	-18.037	-18.532	-15.267	5.99	PASS
	MCH	-17.413	-16.869	-14.122	5.99	PASS
	HCH	-17.877	-18.762	-15.287	5.99	PASS
11N40	LCH	-17.050	-19.499	-15.094	5.99	PASS
	MCH	-18.761	-16.984	-14.772	5.99	PASS
	HCH	-18.323	-13.921	-12.576	5.99	PASS

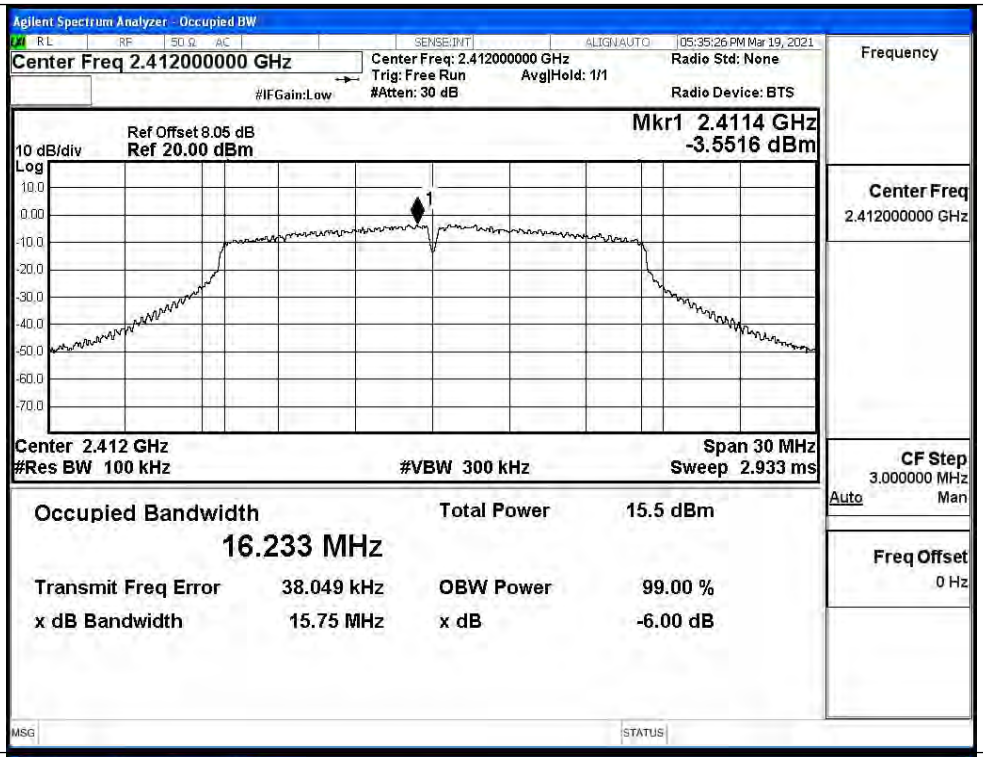
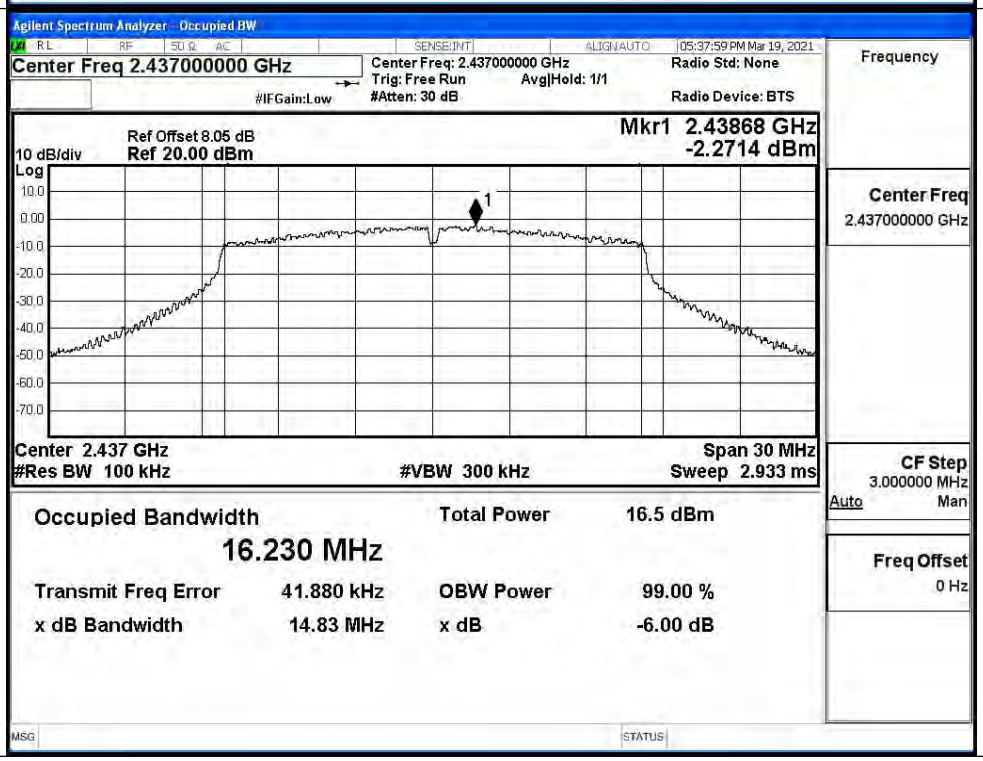
C.4 6dB Bandwidth

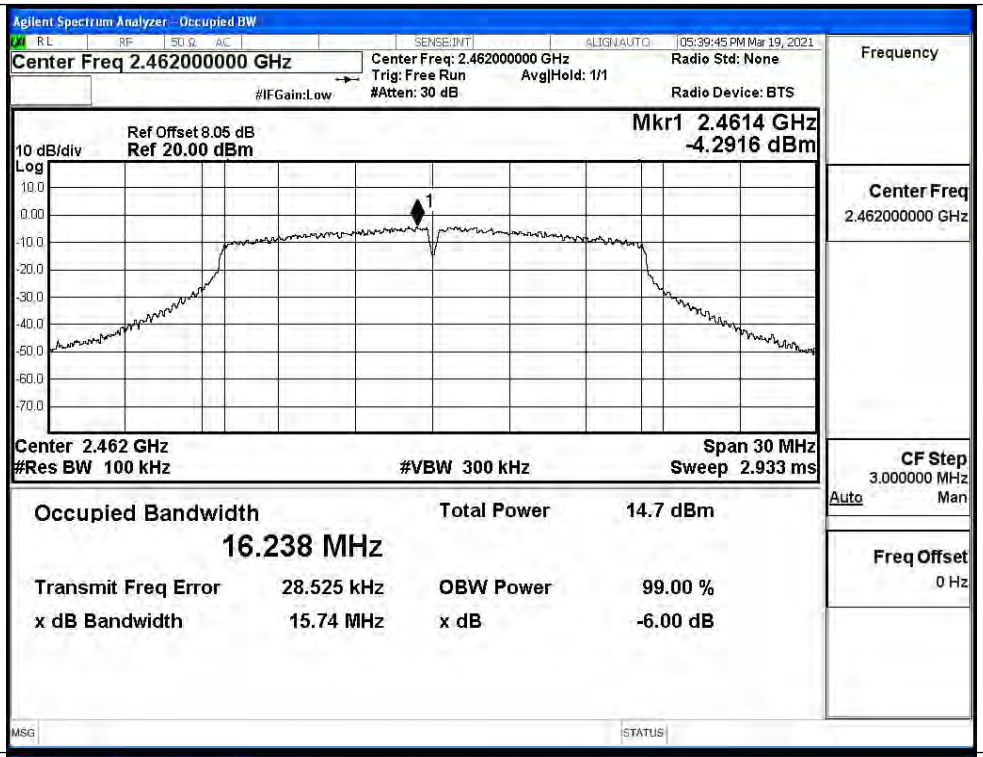
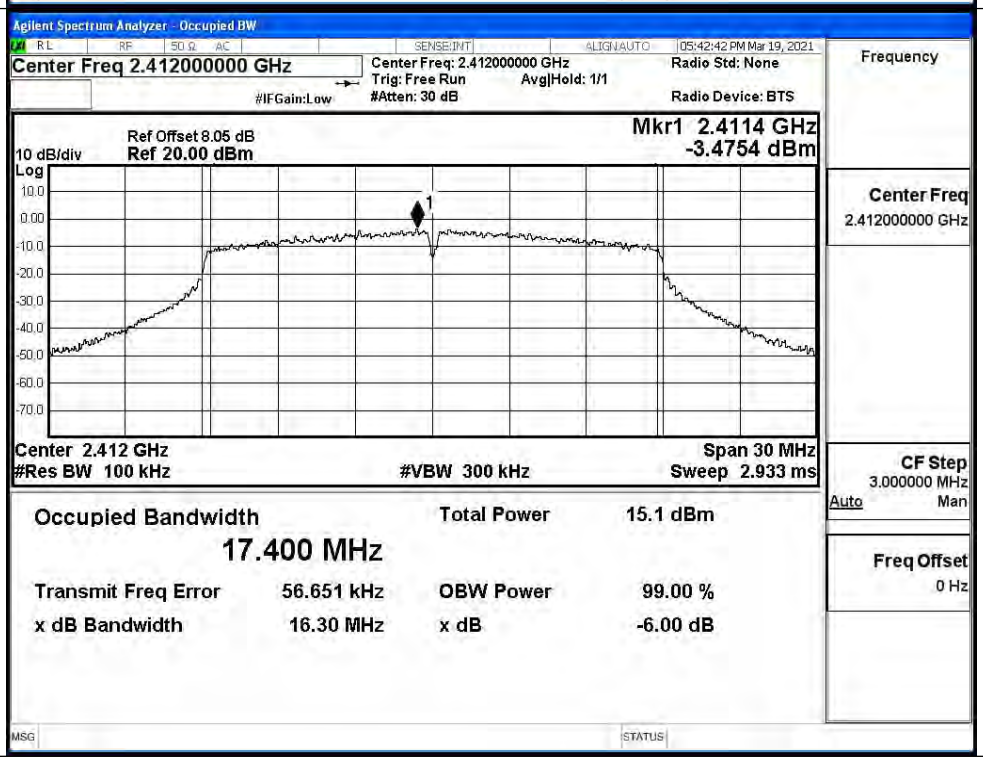
Ant0

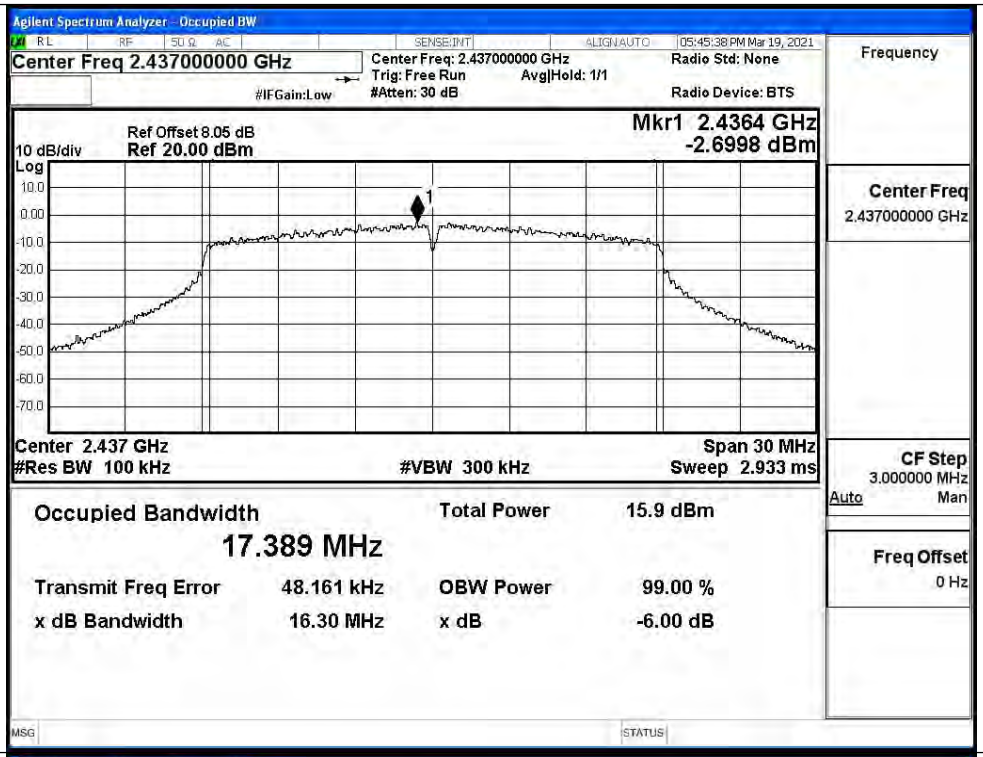
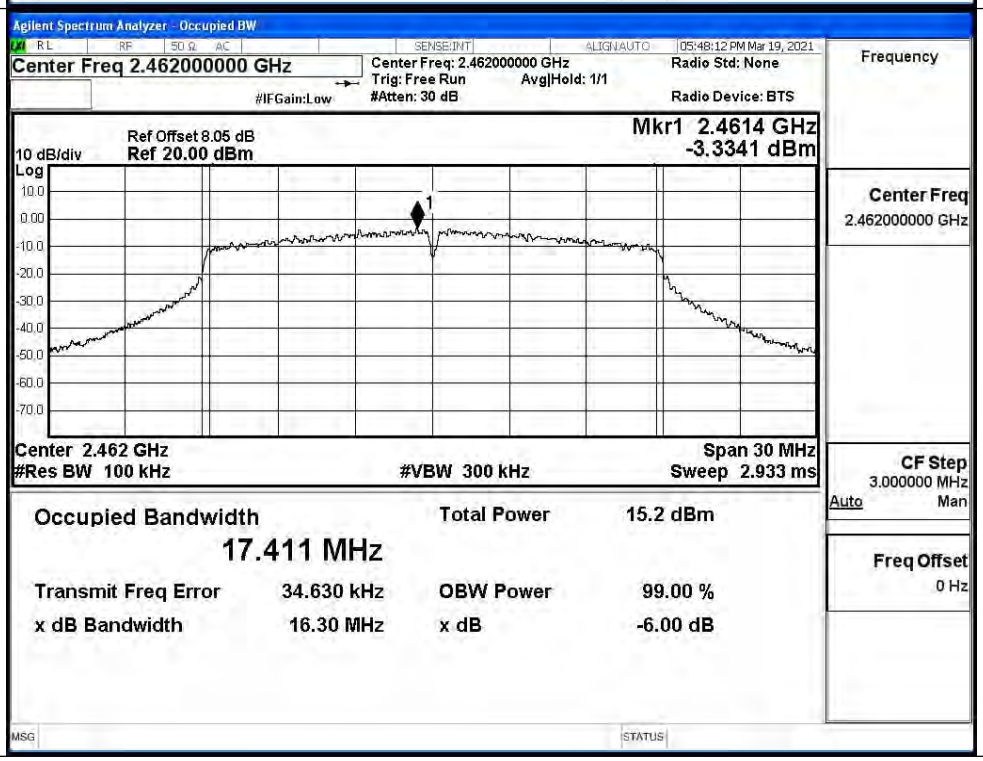
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.14	≥0.5	PASS
	MCH	10.13	≥0.5	PASS
	HCH	10.14	≥0.5	PASS
11G	LCH	15.75	≥0.5	PASS
	MCH	14.83	≥0.5	PASS
	HCH	15.74	≥0.5	PASS
11N20SISO	LCH	16.30	≥0.5	PASS
	MCH	16.30	≥0.5	PASS
	HCH	16.30	≥0.5	PASS
11N40SISO	LCH	25.09	≥0.5	PASS
	MCH	25.12	≥0.5	PASS
	HCH	26.29	≥0.5	PASS

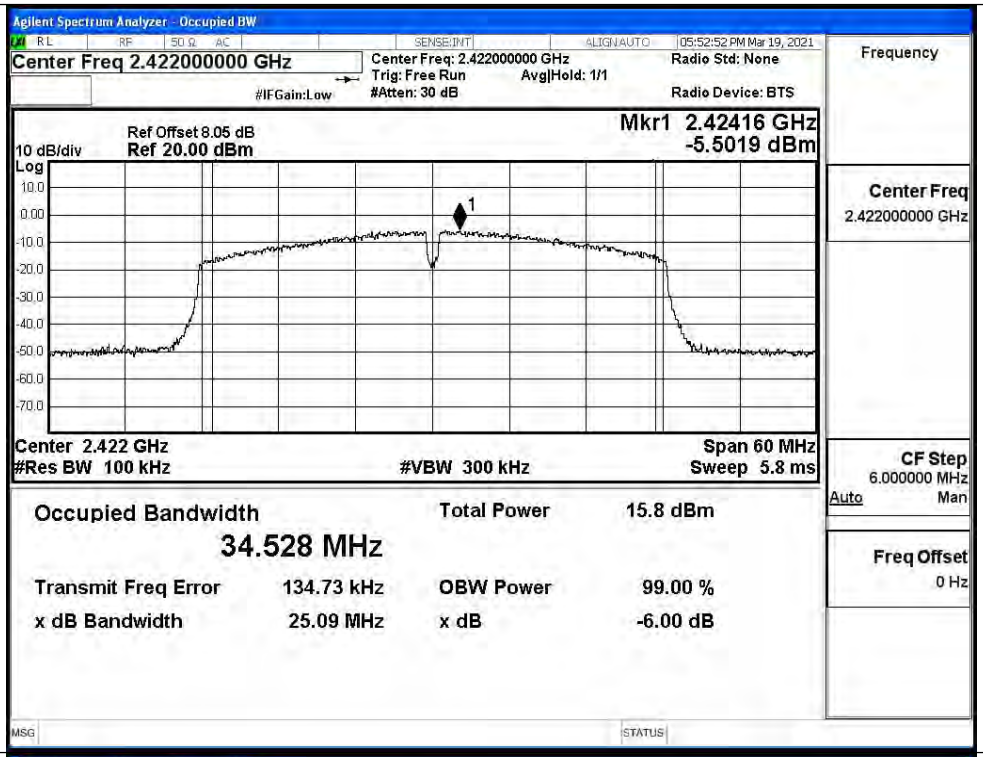
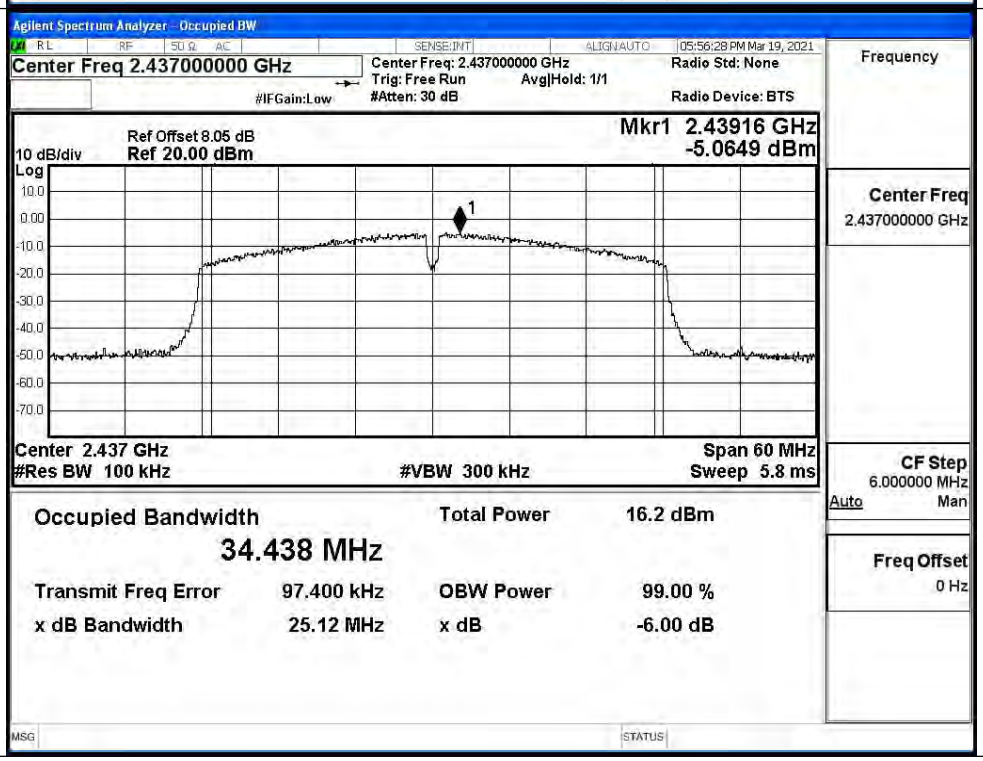
Test Graphs	
11B/LCH	

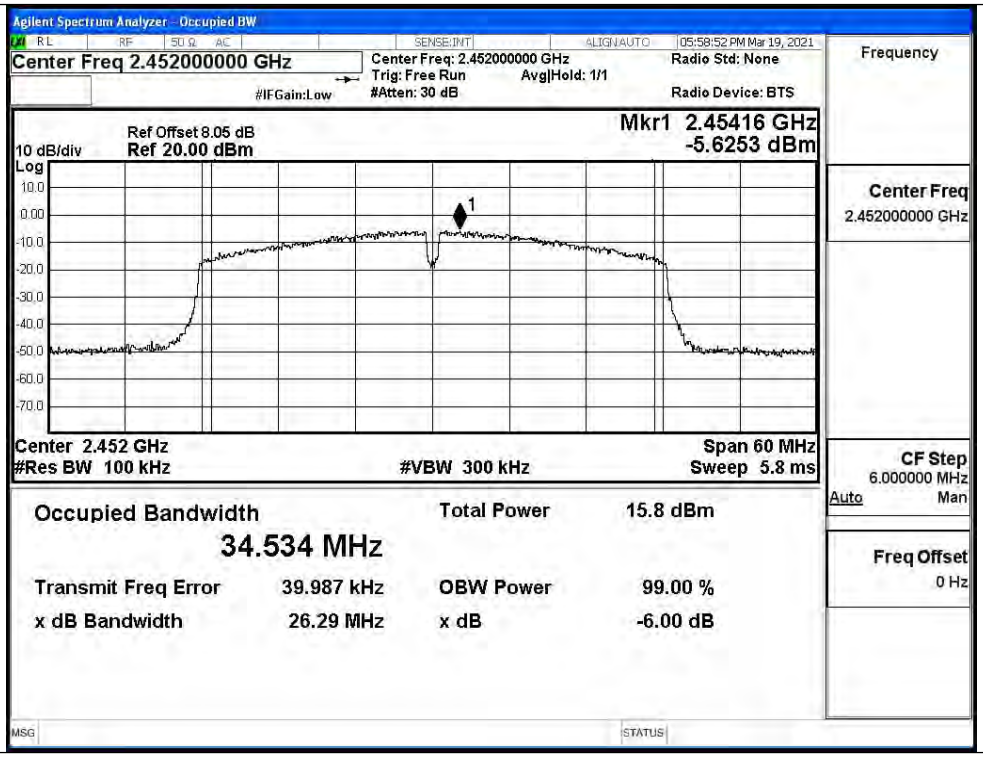
11B/MCH	
11B/HCH	

11G/LCH		
11G/MCH		

11G/HCH		
11N20SISO/LCH		

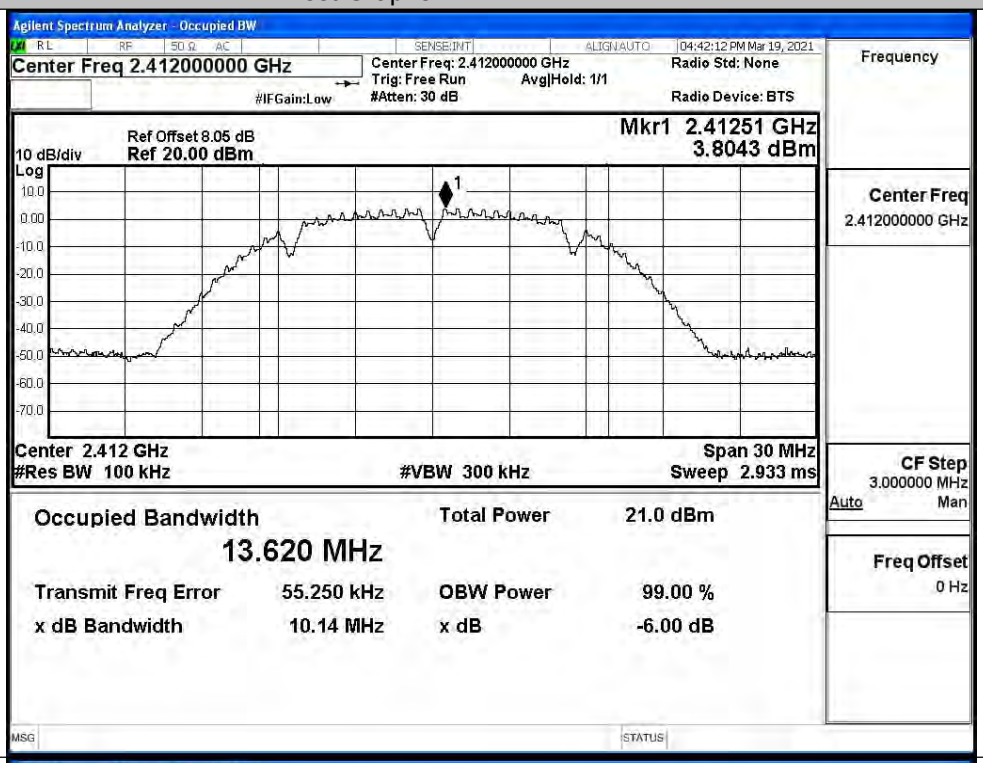
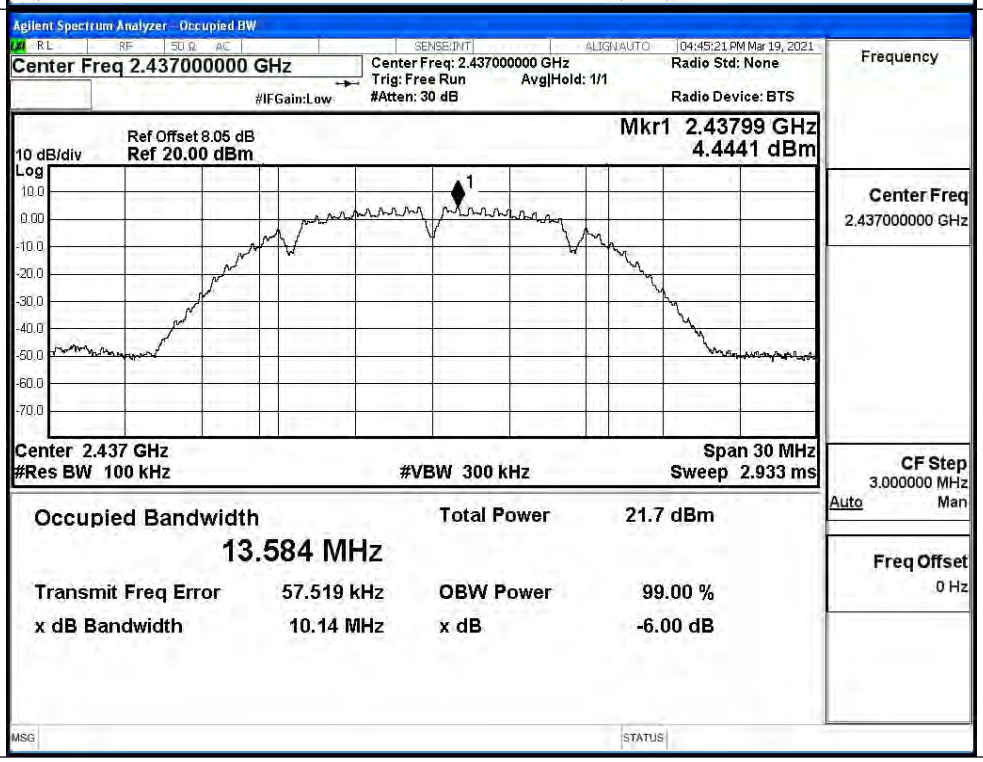
11N20SISO/MCH		
11N20SISO/HCH		

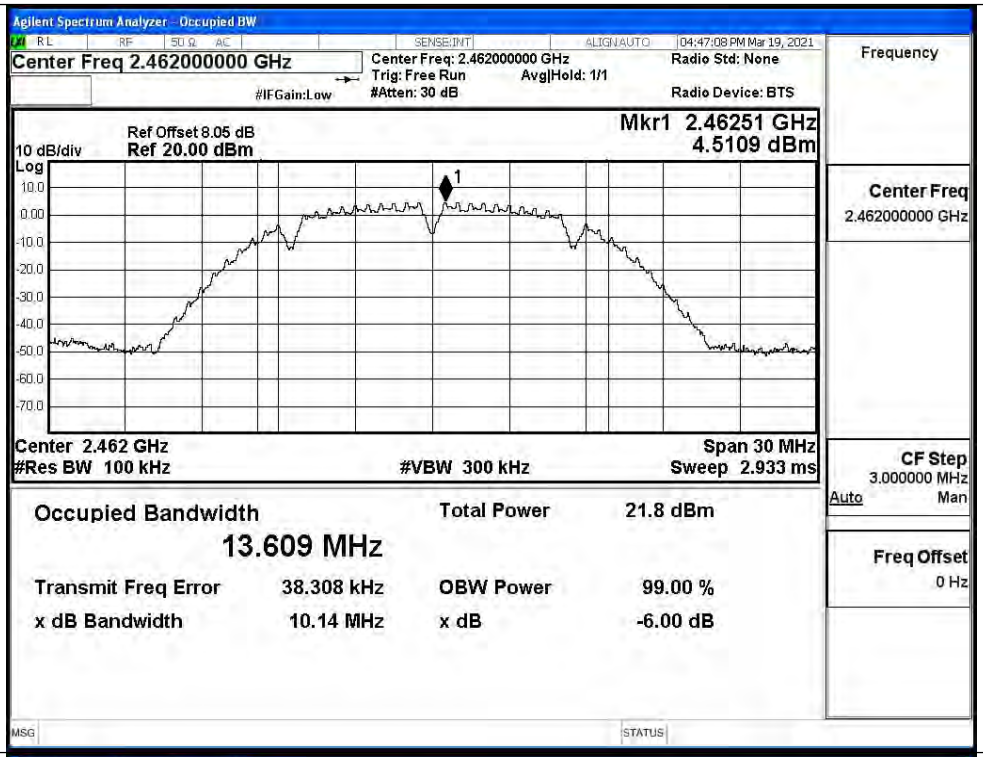
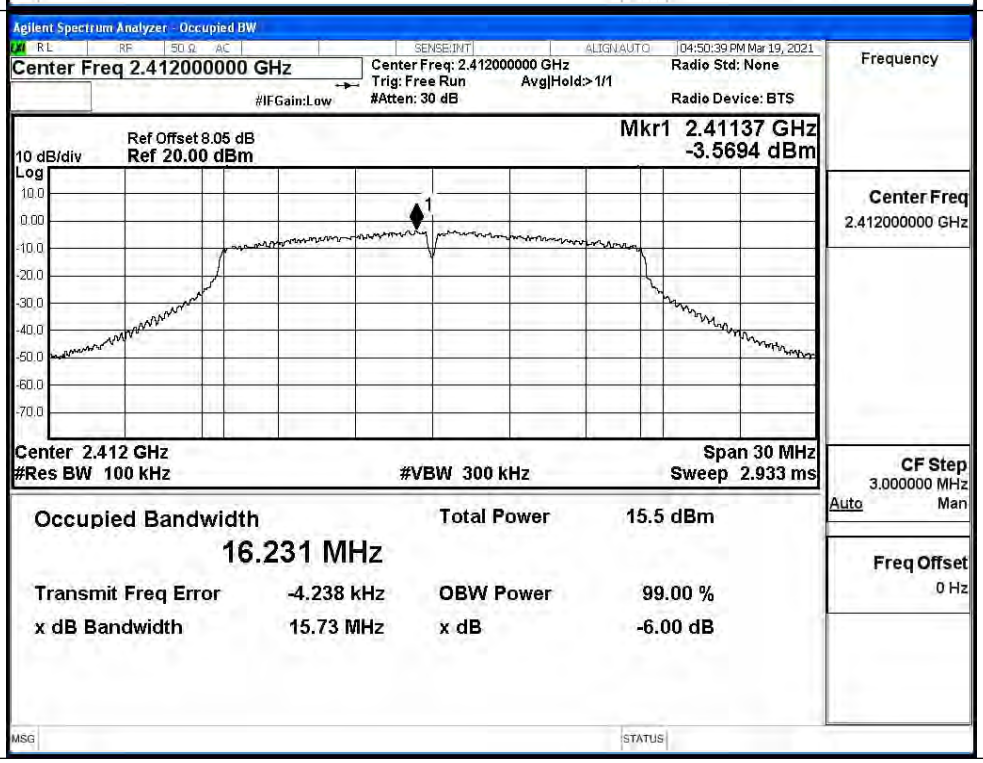
11N40SISO/LCH		
11N40SISO/MCH		

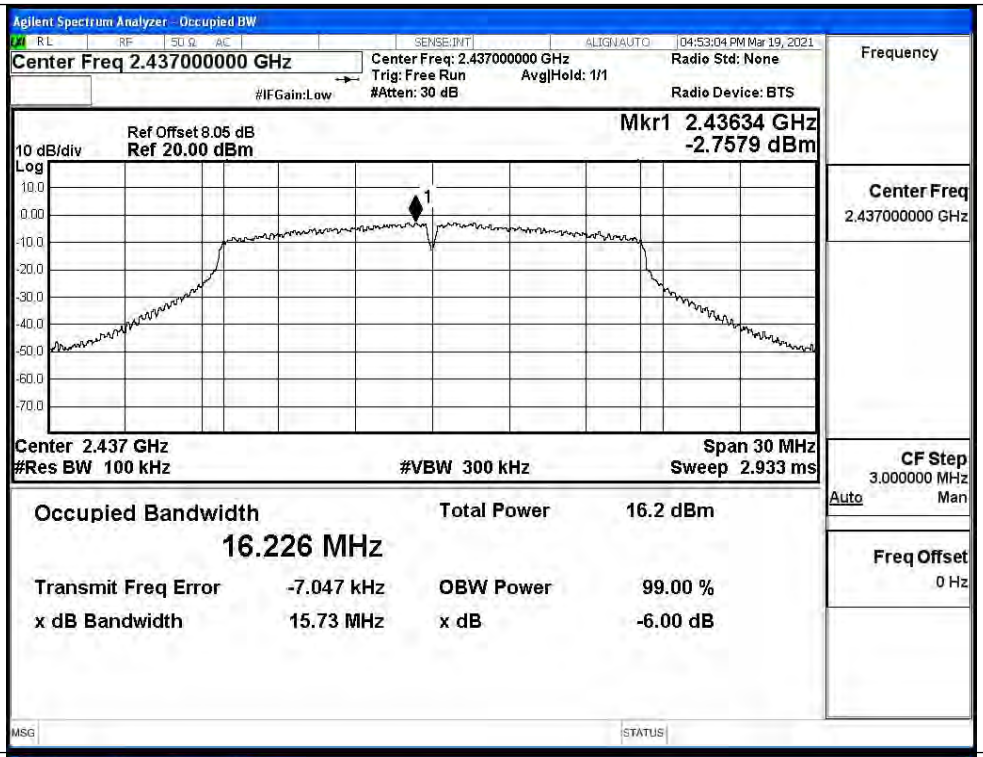
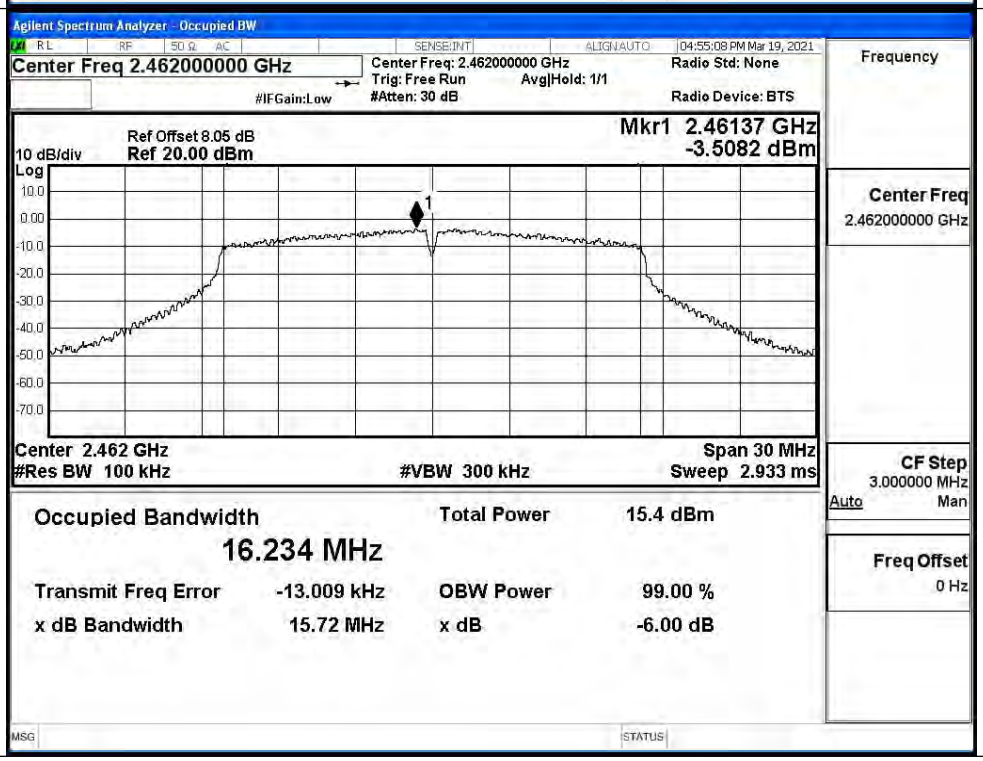
11N40SISO/HCH		

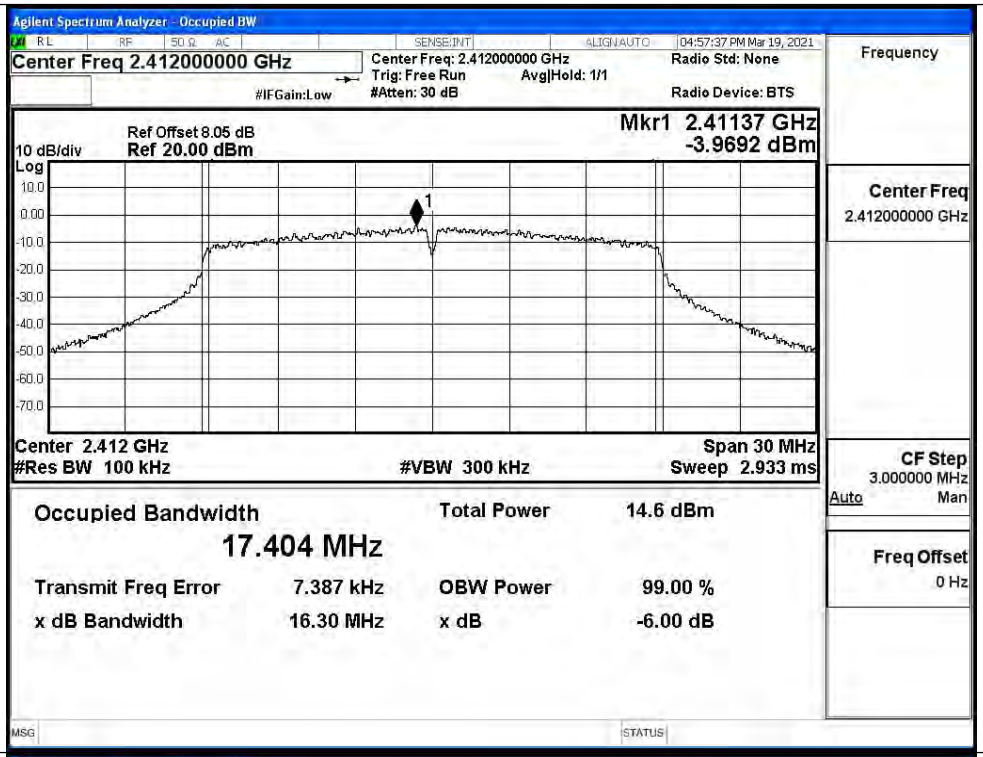
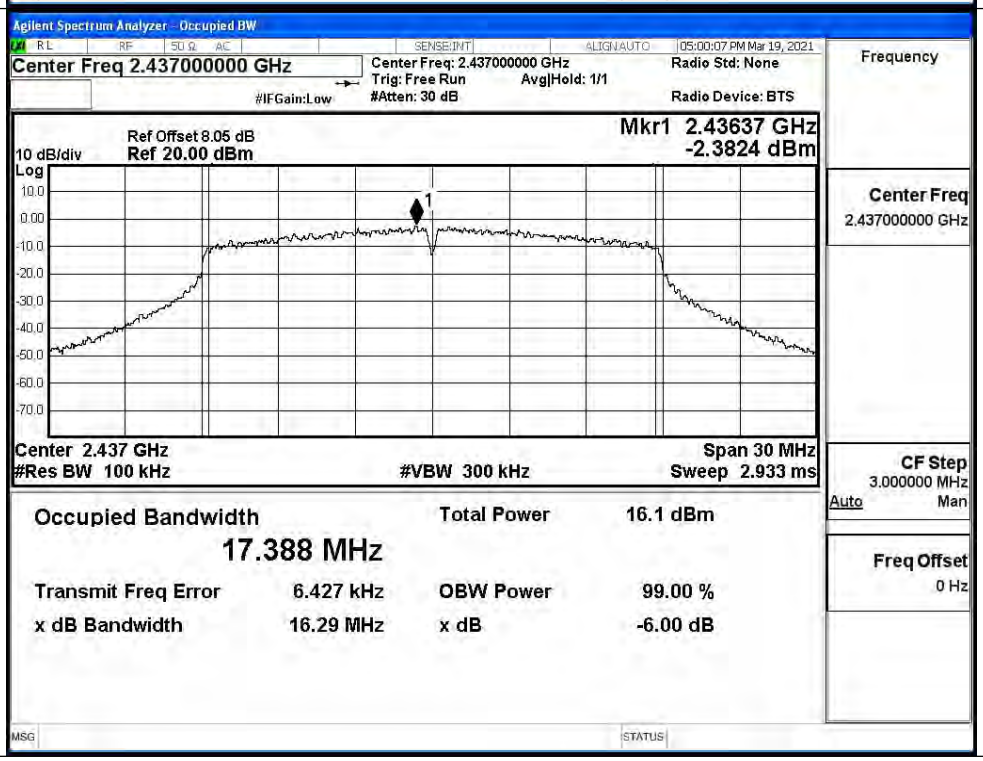
Ant1

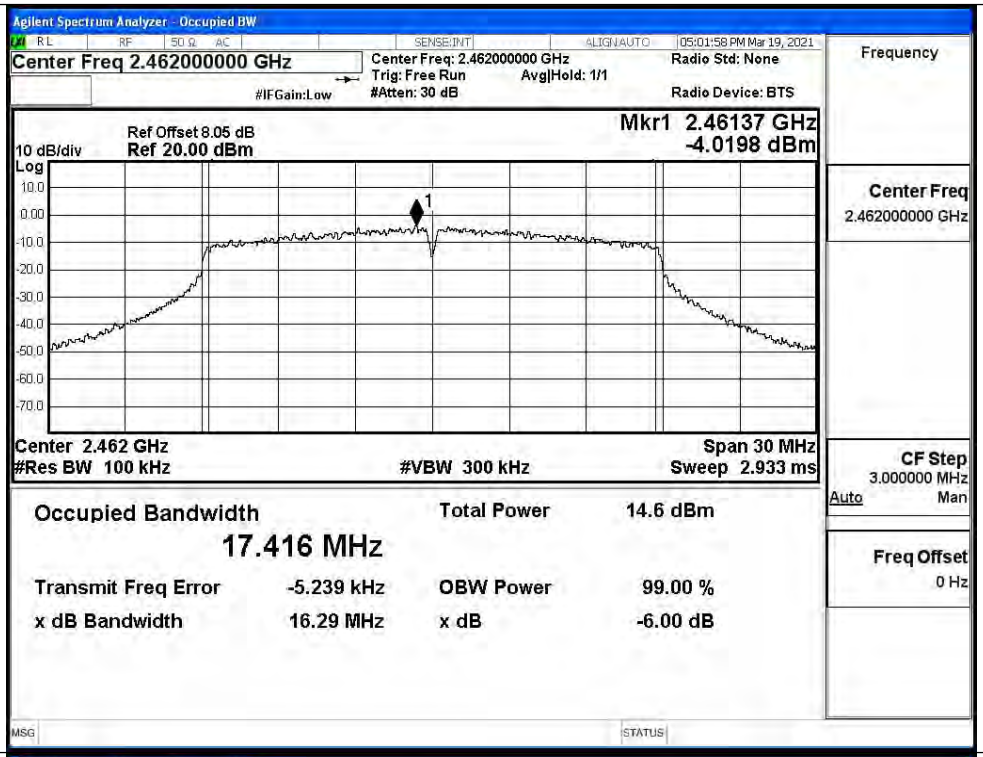
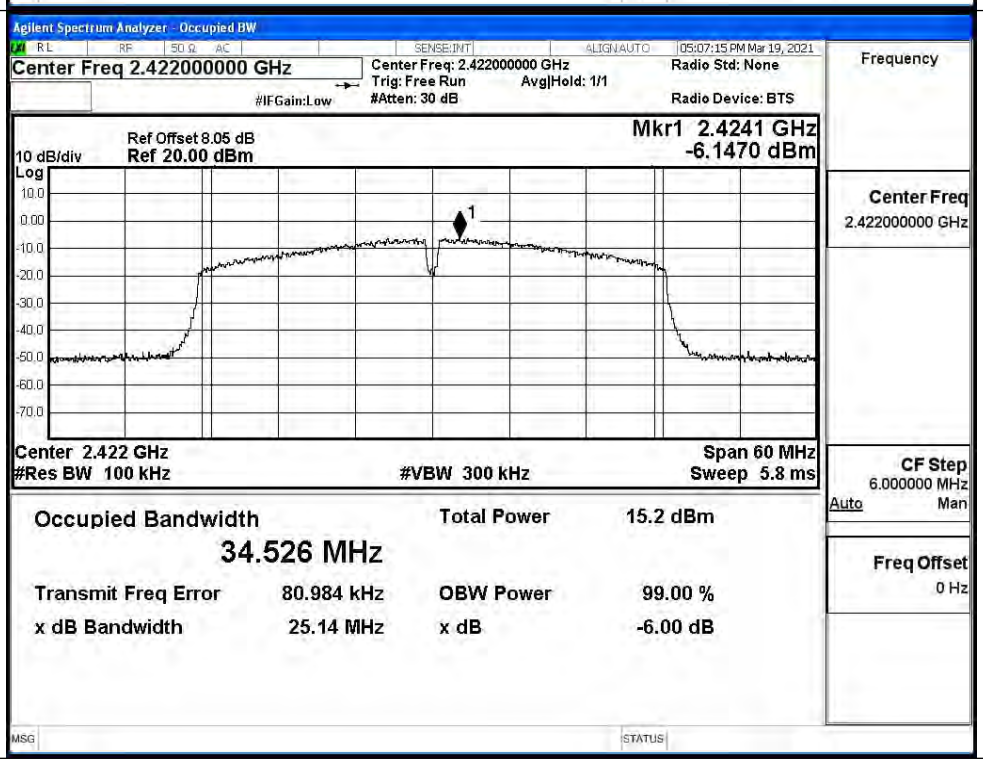
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.14	⩾0.5	PASS
	MCH	10.14	⩾0.5	PASS
	HCH	10.14	⩾0.5	PASS
11G	LCH	15.73	⩾0.5	PASS
	MCH	15.73	⩾0.5	PASS
	HCH	15.72	⩾0.5	PASS
11N20SISO	LCH	16.30	⩾0.5	PASS
	MCH	16.29	⩾0.5	PASS
	HCH	16.29	⩾0.5	PASS
11N40SISO	LCH	25.14	⩾0.5	PASS
	MCH	25.87	⩾0.5	PASS
	HCH	23.88	⩾0.5	PASS

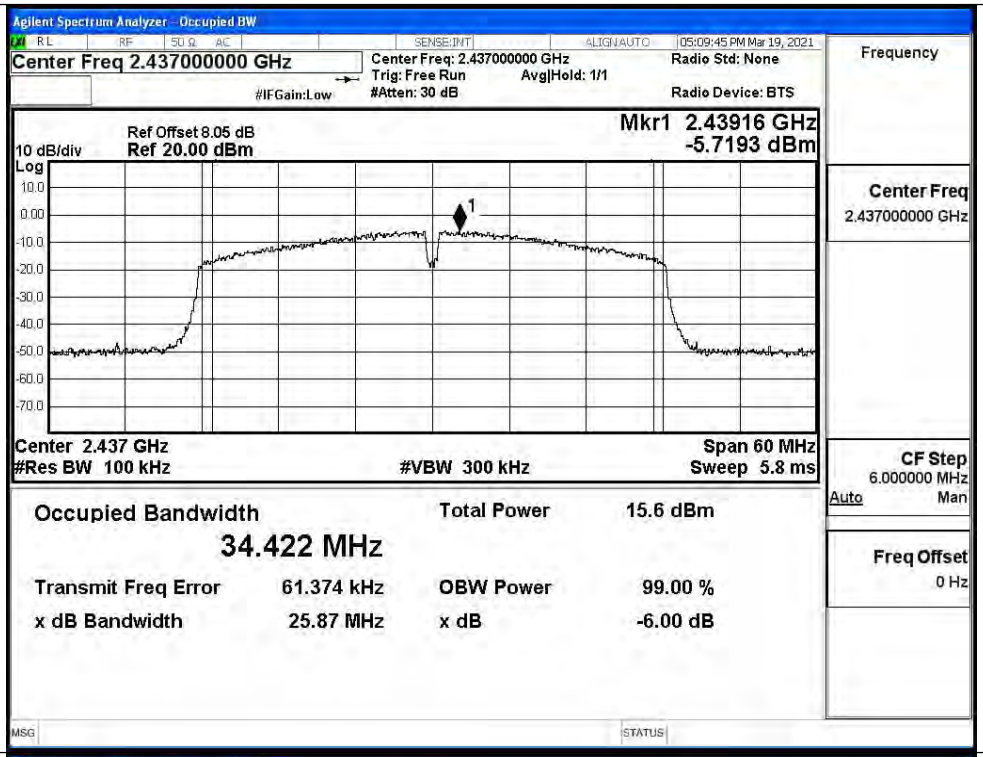
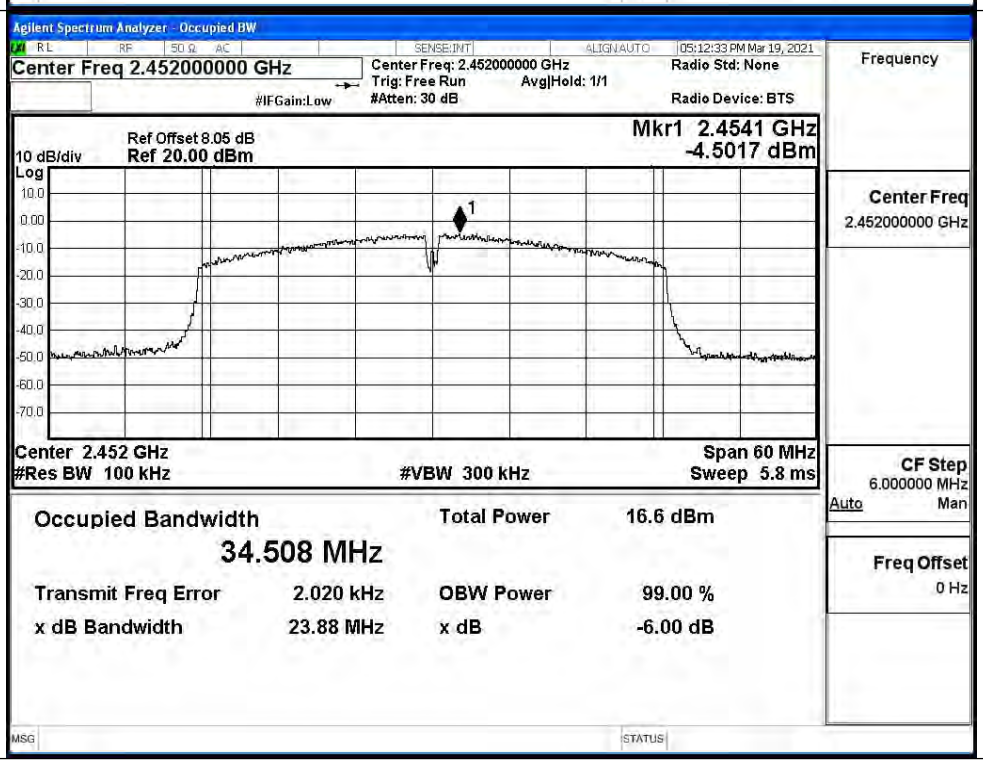
Test Graphs		
11B/LCH		
11B/MCH		

11B/HCH		
11G/LCH		

11G/MCH		
11G/HCH		

11N20SISO/LCH		
11N20SISO/MCH		

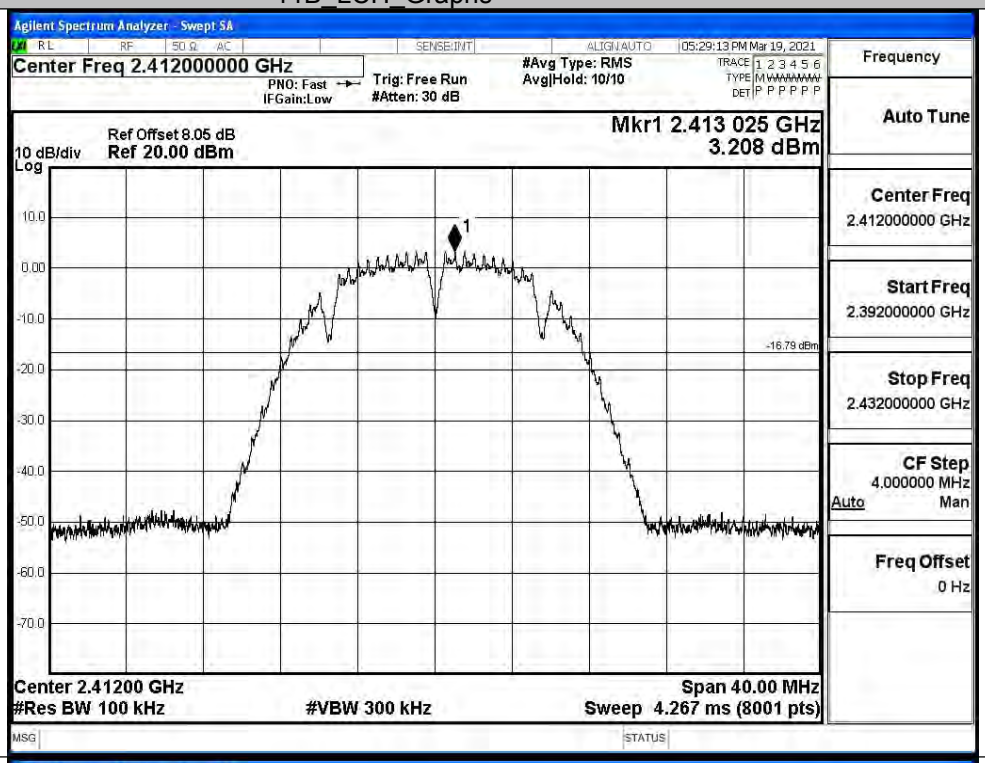
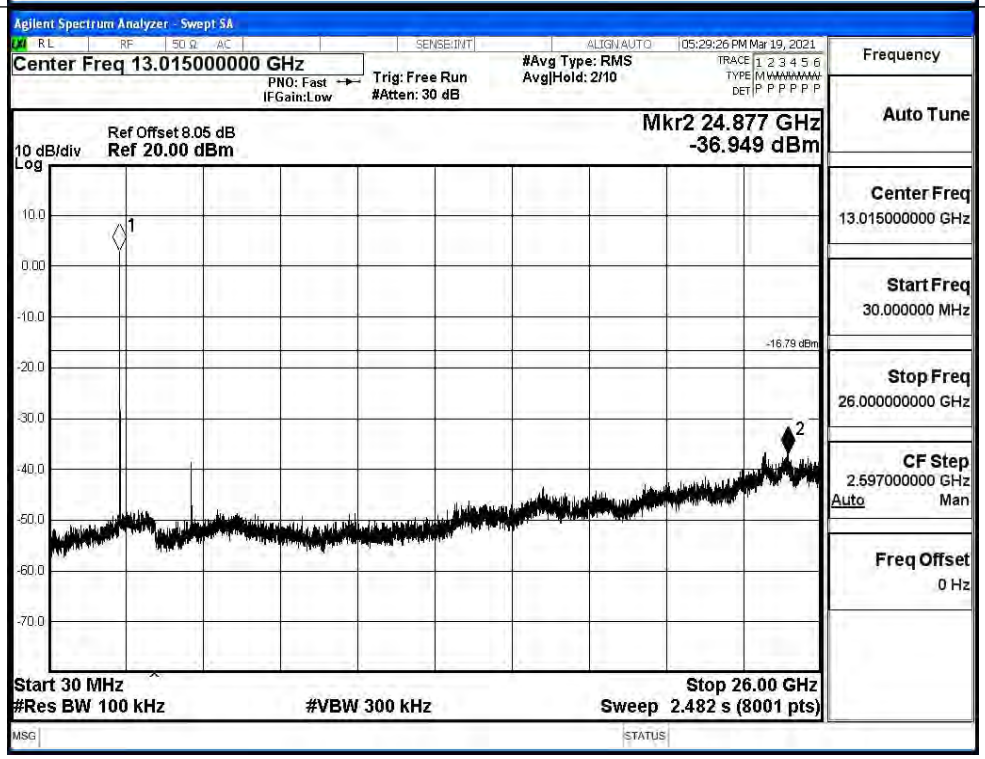
11N20SISO/HCH		
11N40SISO/LCH		

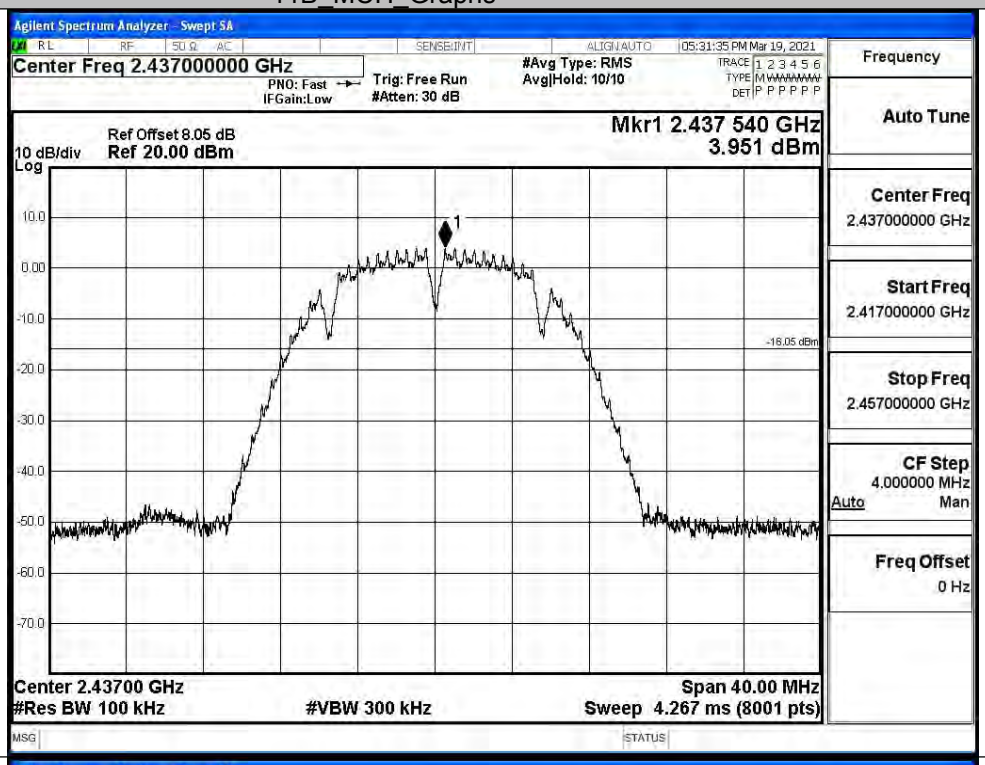
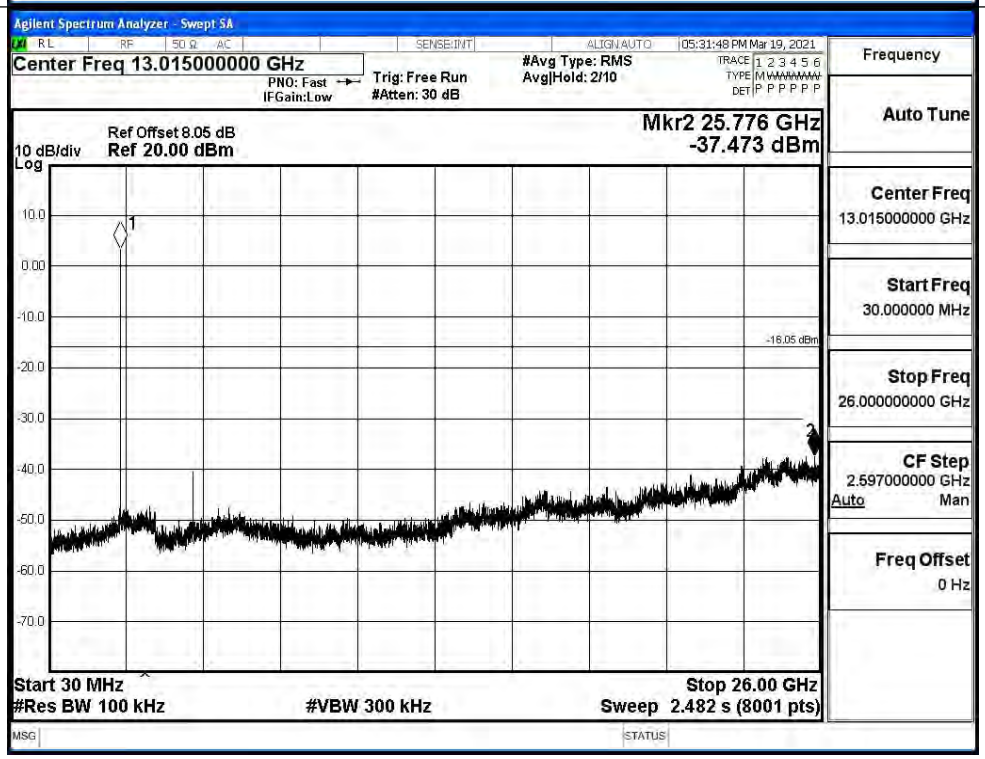
11N40SISO/MCH		
11N40SISO/HCH		

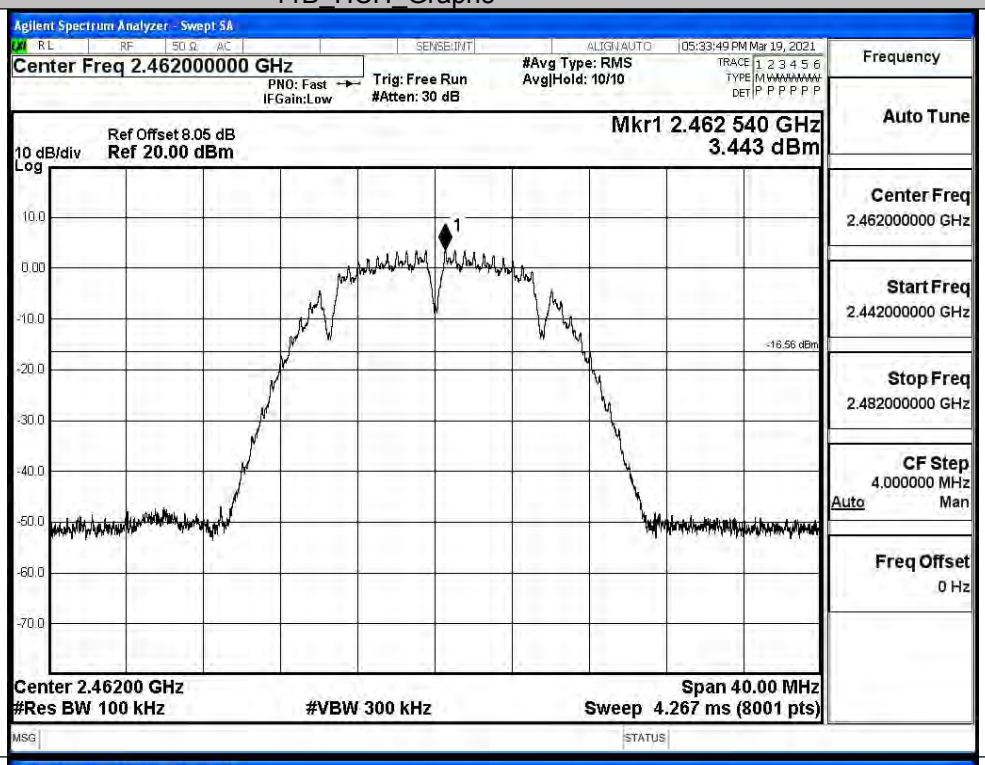
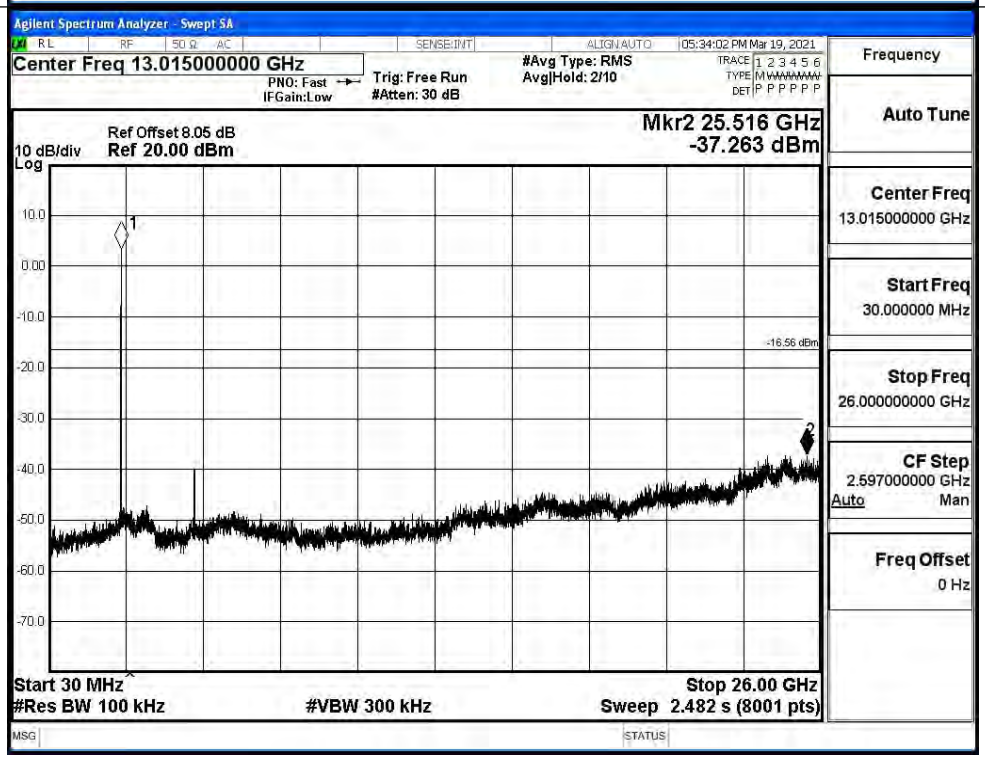
C.5 RF Conducted Spurious Emissions

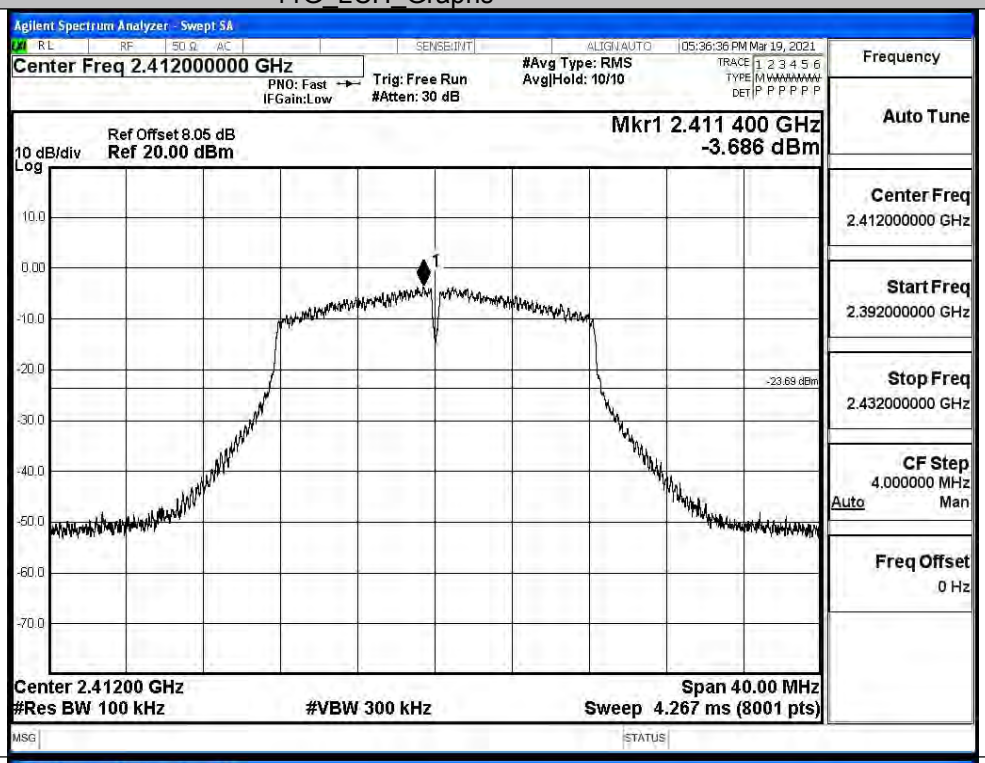
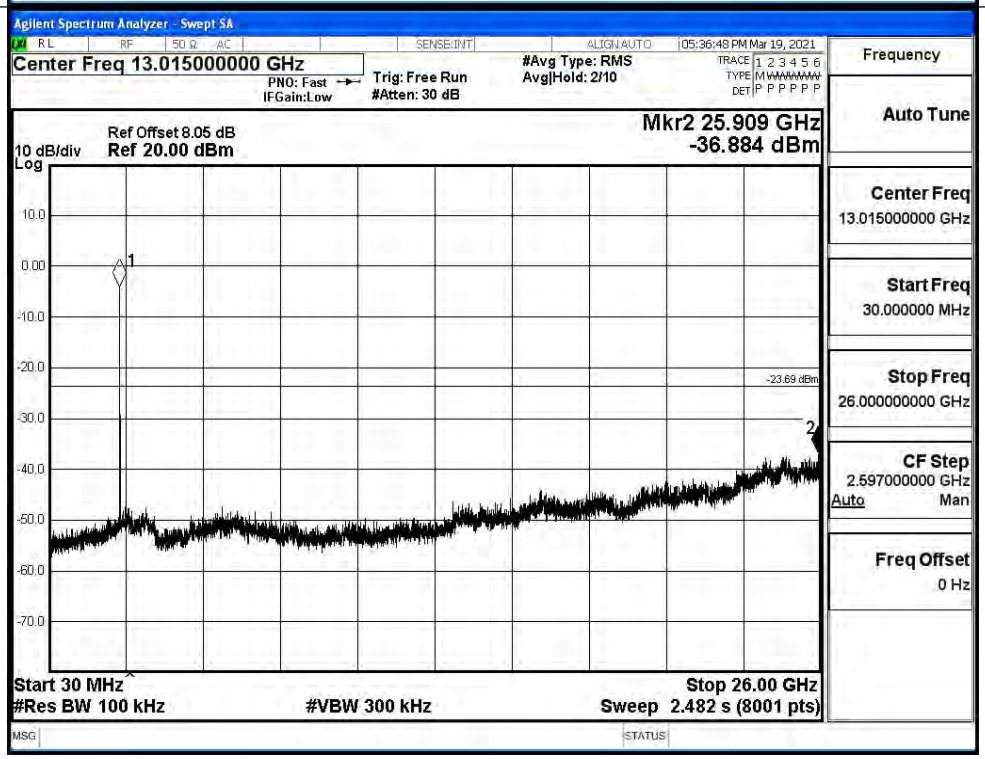
Ant0

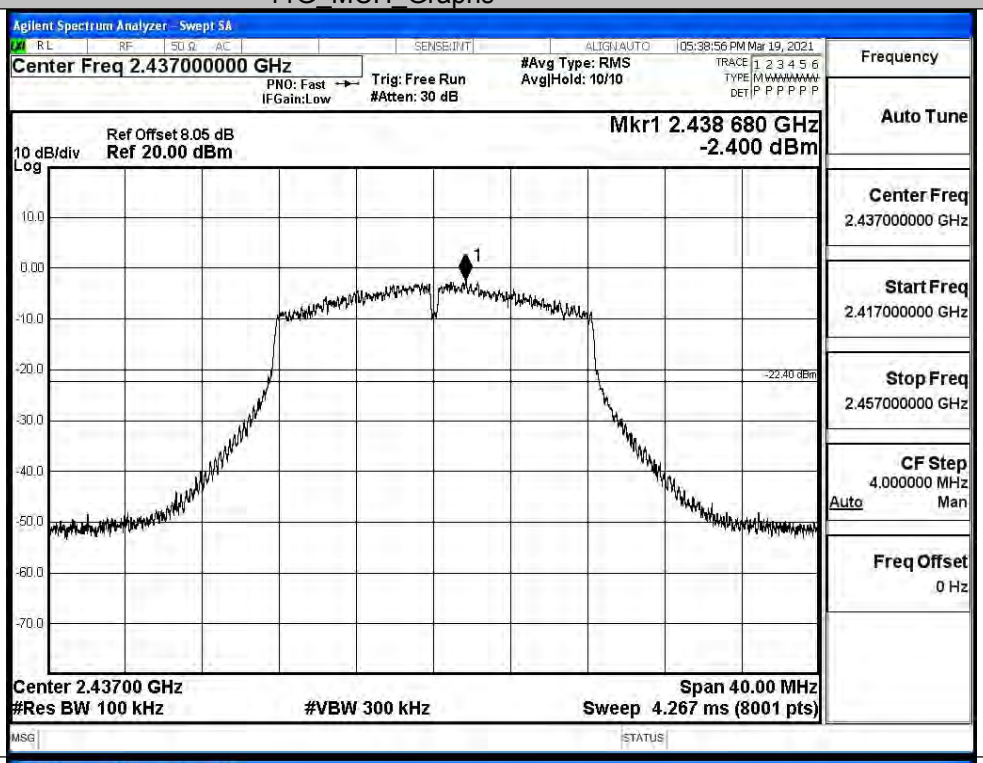
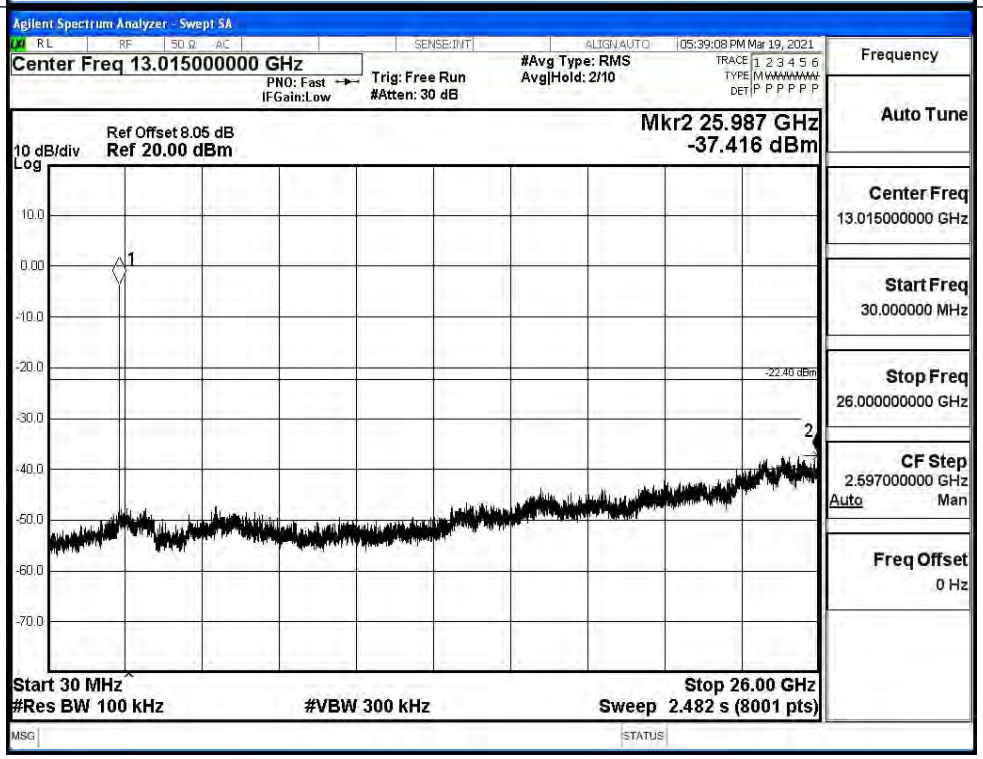
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.208	-36.949	-16.792	PASS
	MCH	3.951	-37.473	-16.049	PASS
	HCH	3.443	-37.263	-16.557	PASS
11G	LCH	-3.686	-36.884	-23.686	PASS
	MCH	-2.4	-37.416	-22.400	PASS
	HCH	-4.462	-37.647	-24.462	PASS
11N20 SISO	LCH	-3.551	-36.290	-23.551	PASS
	MCH	-3.283	-37.699	-23.283	PASS
	HCH	-3.391	-35.563	-23.391	PASS
11N40 SISO	LCH	-5.671	-37.679	-25.671	PASS
	MCH	-5.029	-36.933	-25.029	PASS
	HCH	-5.73	-37.925	-25.730	PASS

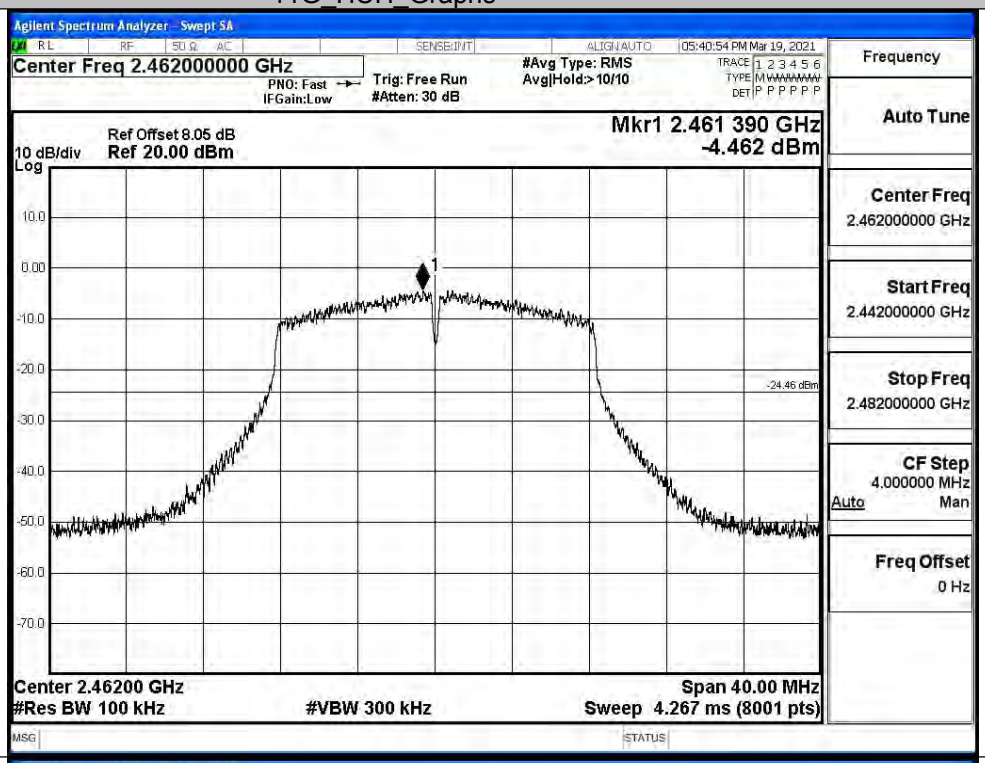
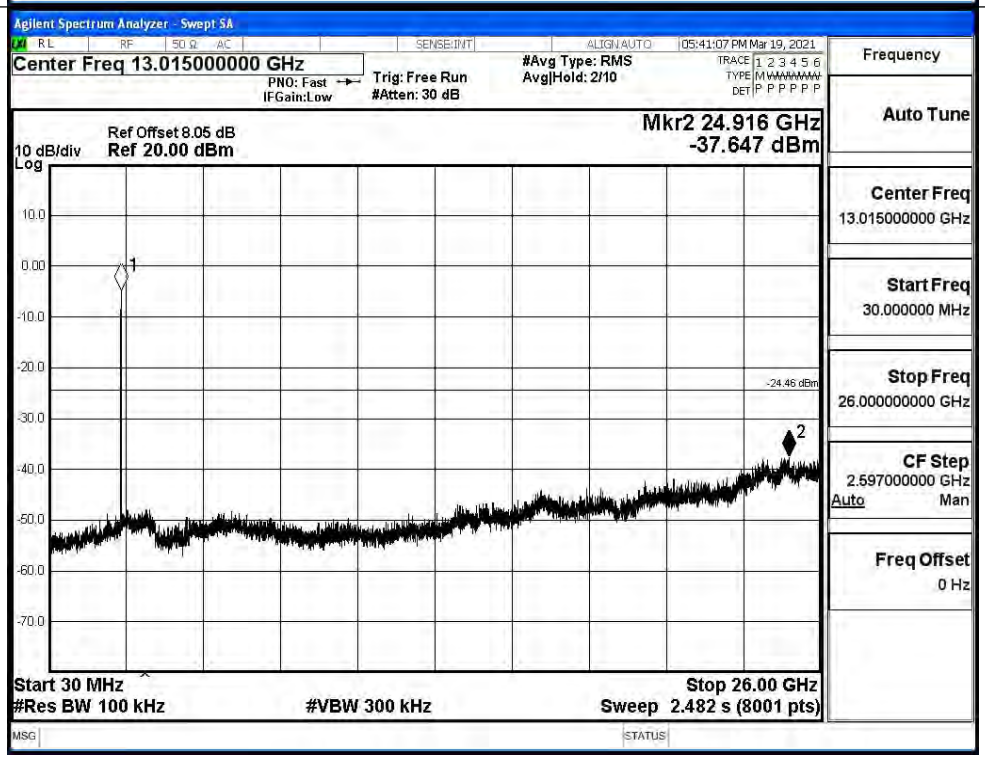
11B_LCH_Graphs		
Pref/11B/LCH		
Puw/11B/LCH		

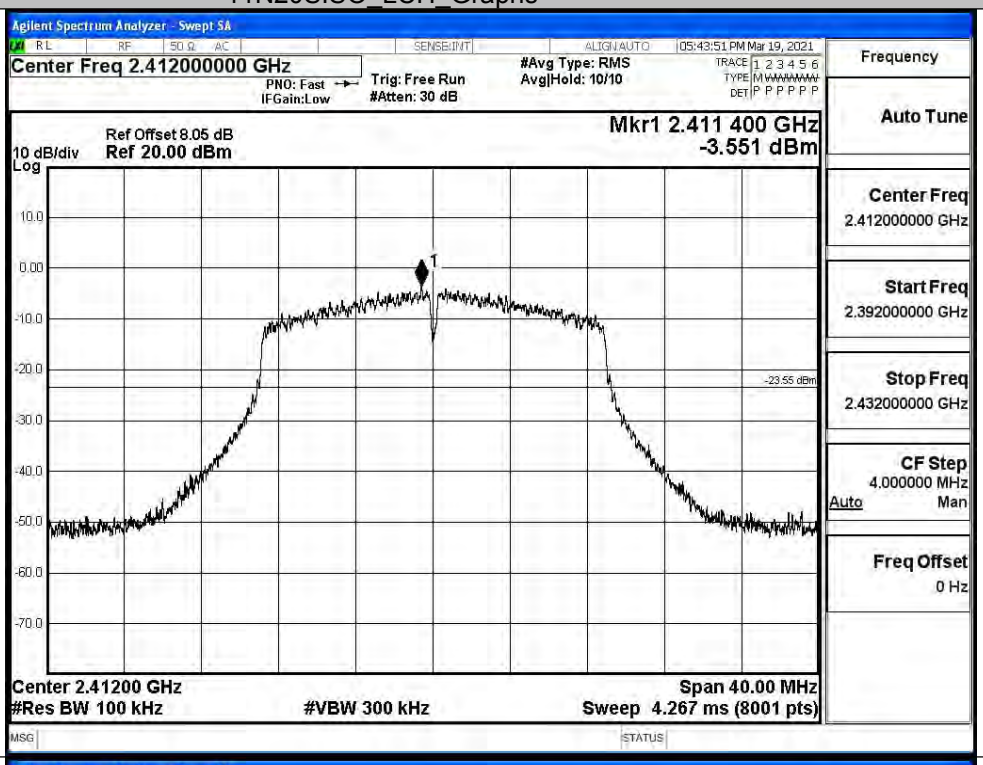
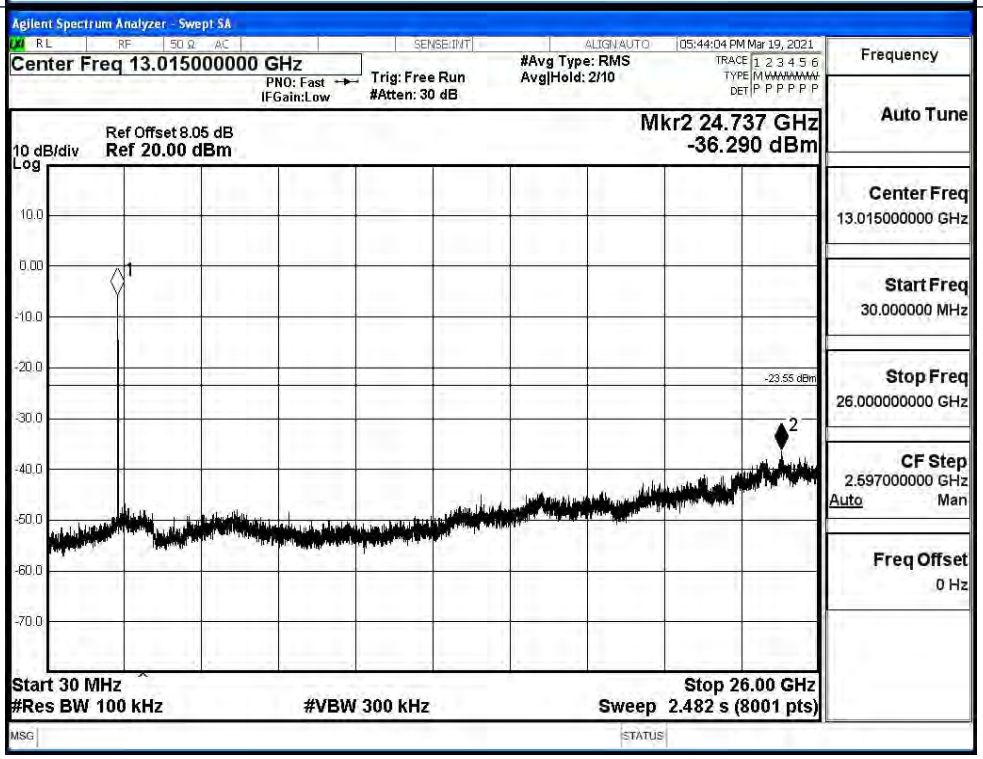
11B_MCH_Graphs		
Pref/11B/MCH		
Puw/11B/MCH		

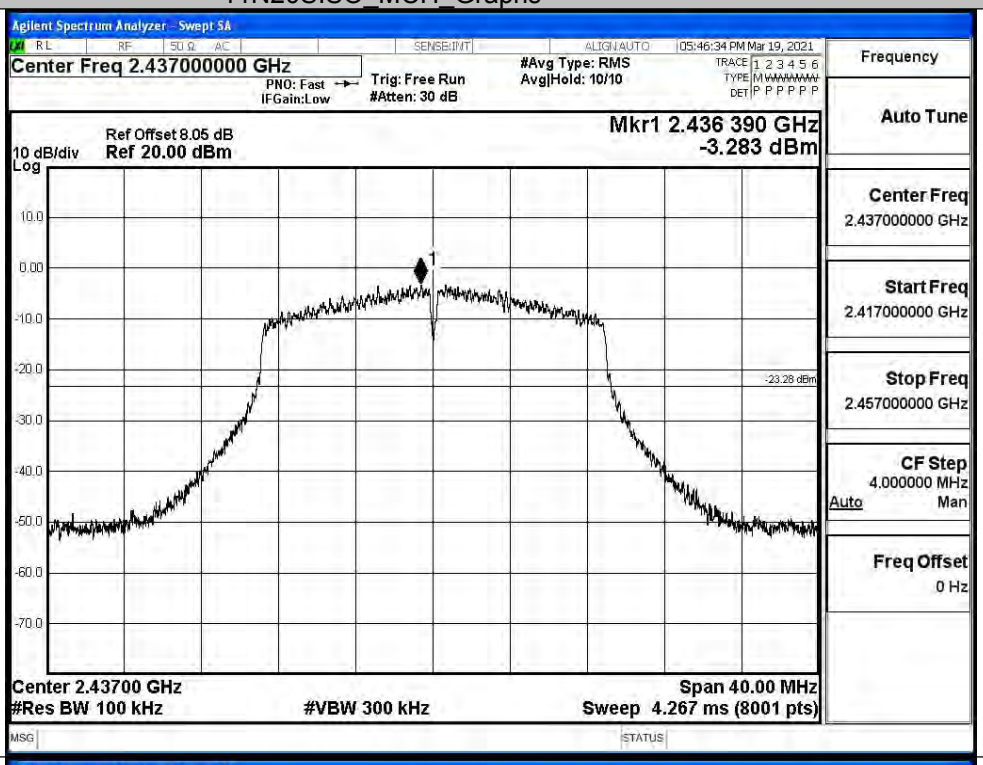
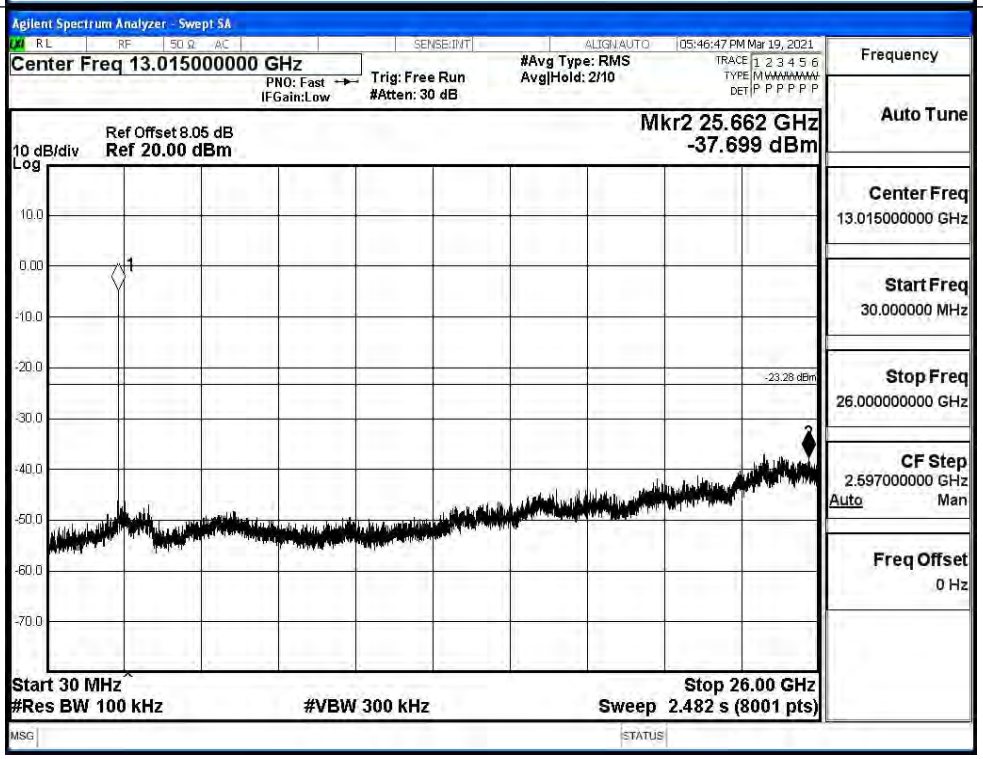
11B_HCH_Graphs		
Pref/11B/HCH		
Puw/11B/HCH		

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		

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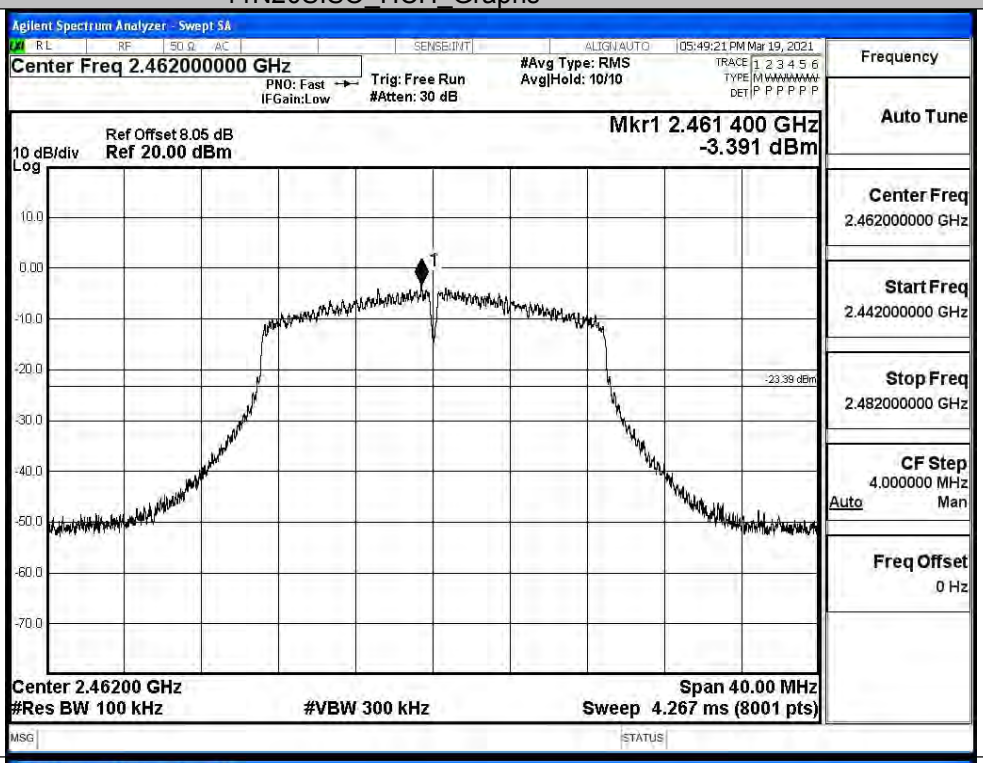
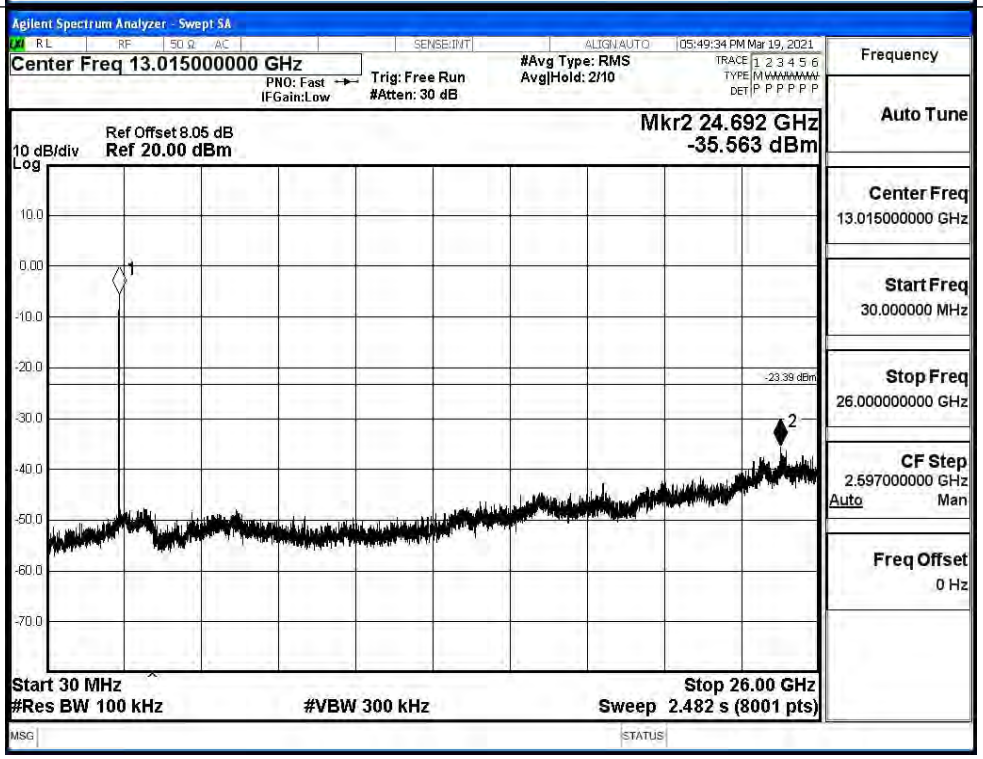
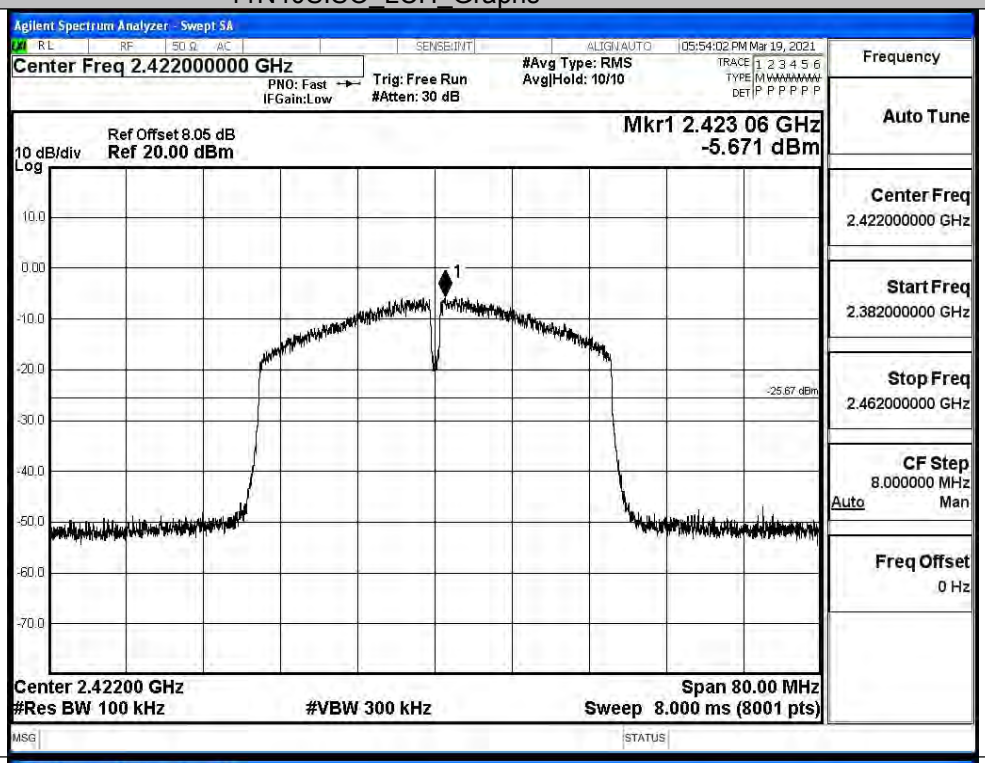
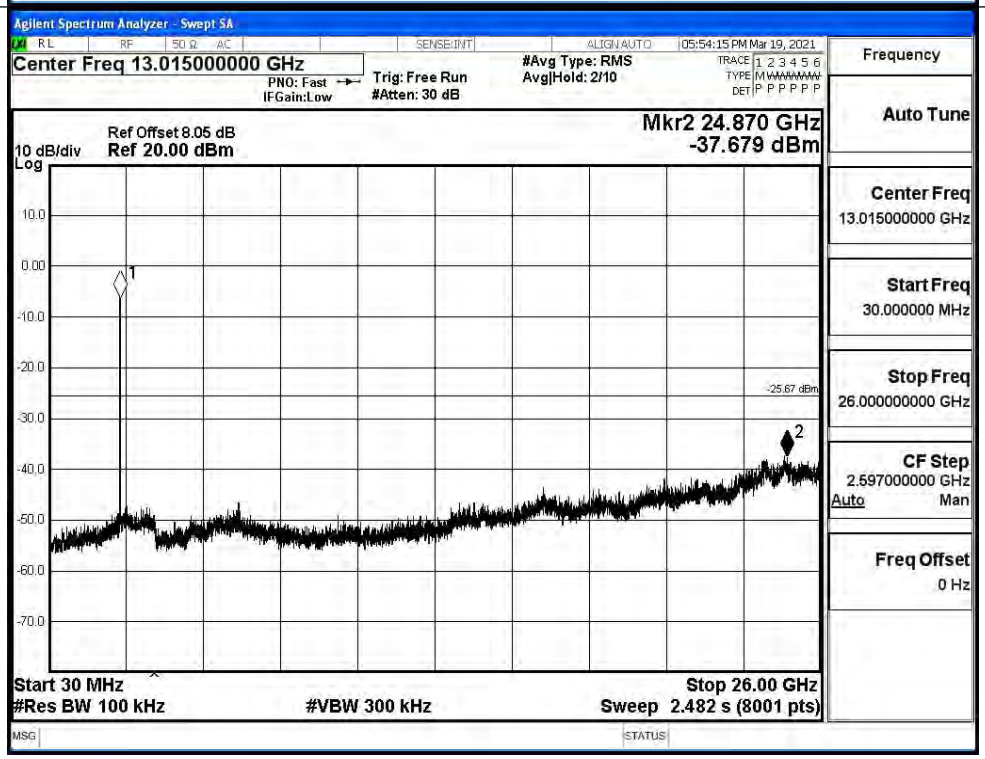
Pref/11N20 SISO/HCH		
Puw/11N20 SISO/HCH		

11N40SISO_LCH_Graphs	
Pref/11N40 SISO/LCH	
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