

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Wireless network card

Trade Mark: DIEWU TXIC

Test Model: TXA083

Additional Model No.: TXA076

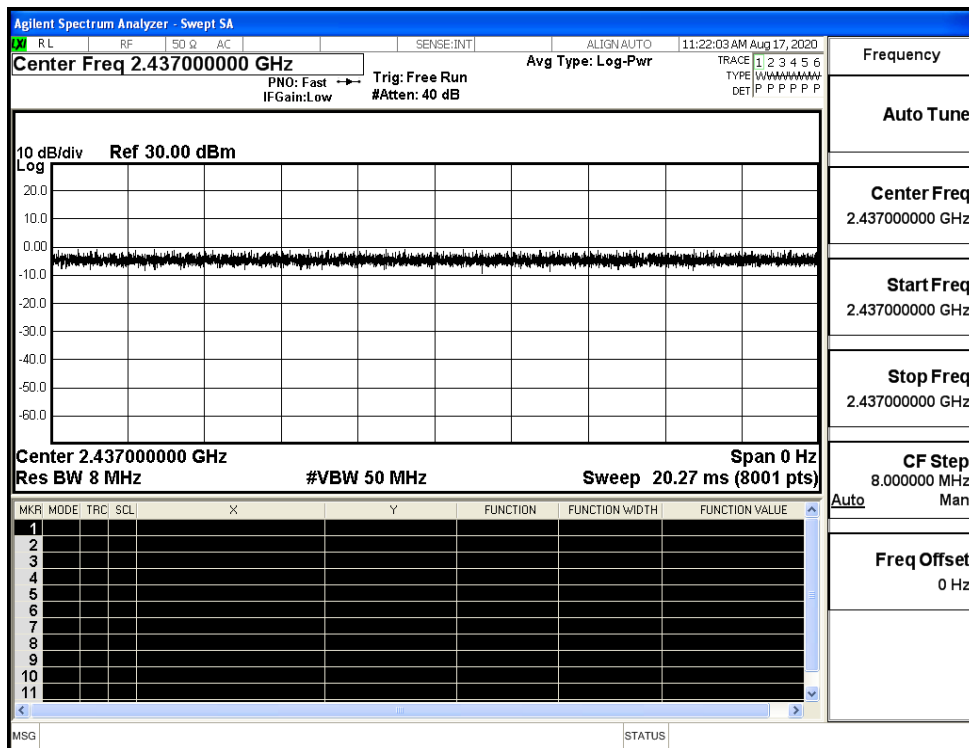
Environmental Conditions

Temperature:	23.1 ° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

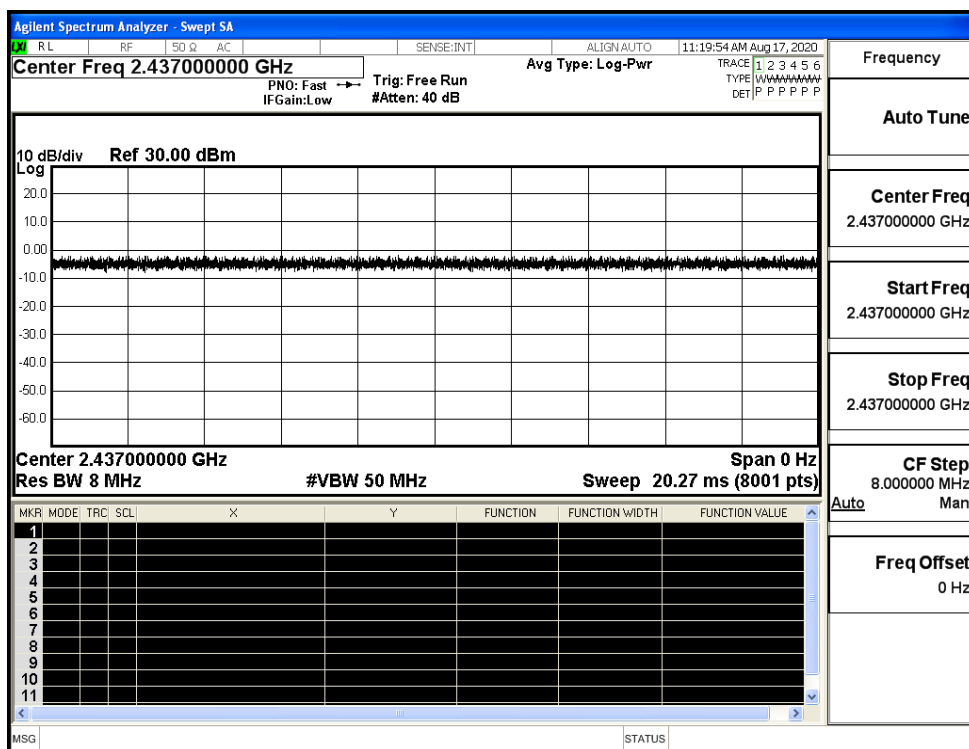
C.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant0	100	PASS
11G	2437	Ant0	100	PASS
11N20	2437	Ant0	100	PASS
11N40	2437	Ant0	100	PASS
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20	2437	Ant1	100	PASS
11N40	2437	Ant1	100	PASS

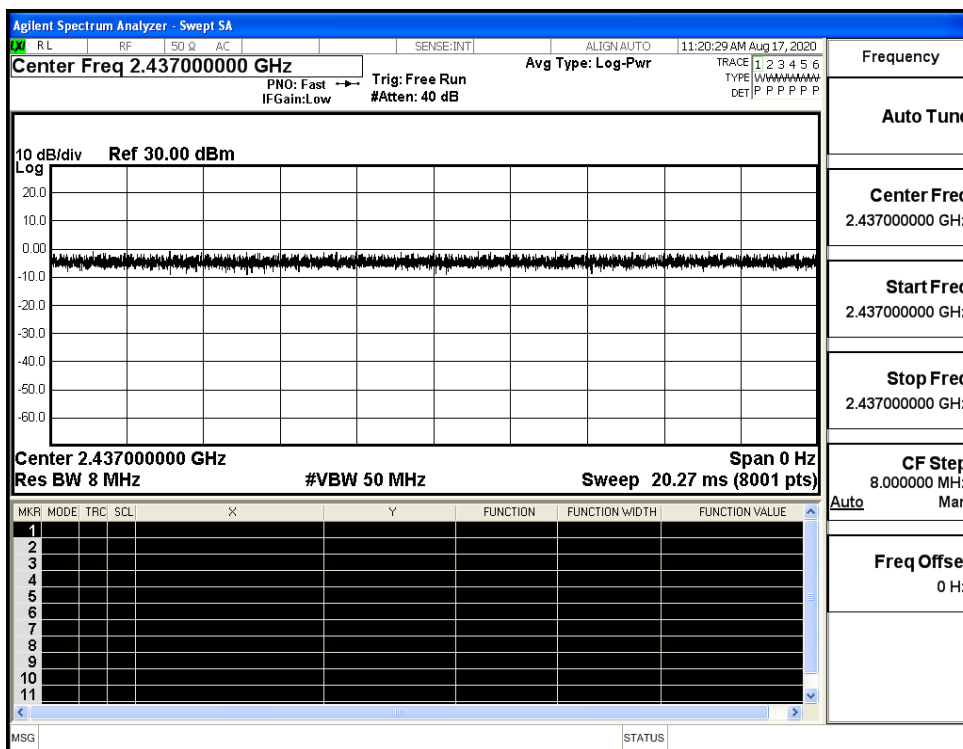
Duty Cycle_11B_2437_Ant0



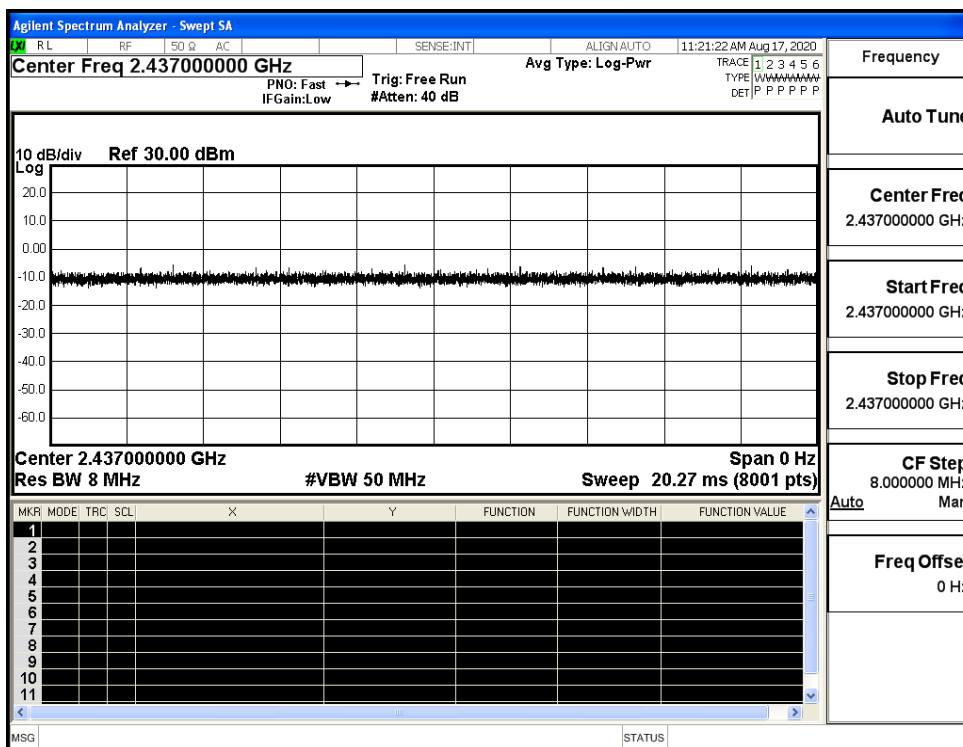
Duty Cycle_11G_2437_Ant0



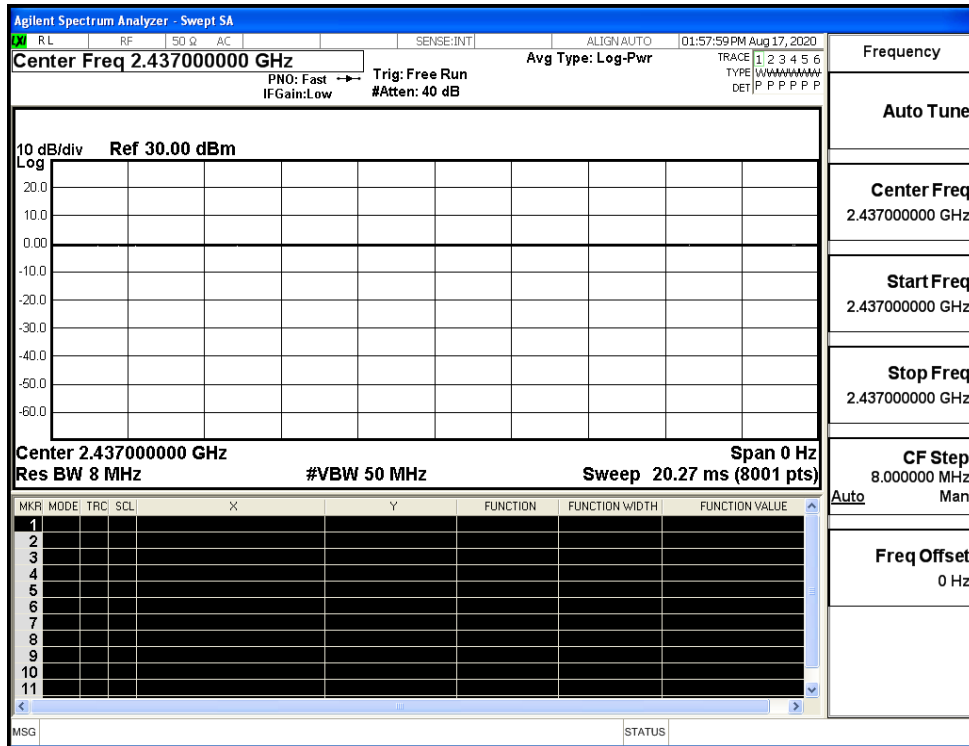
Duty Cycle_11N20_2437_Ant0



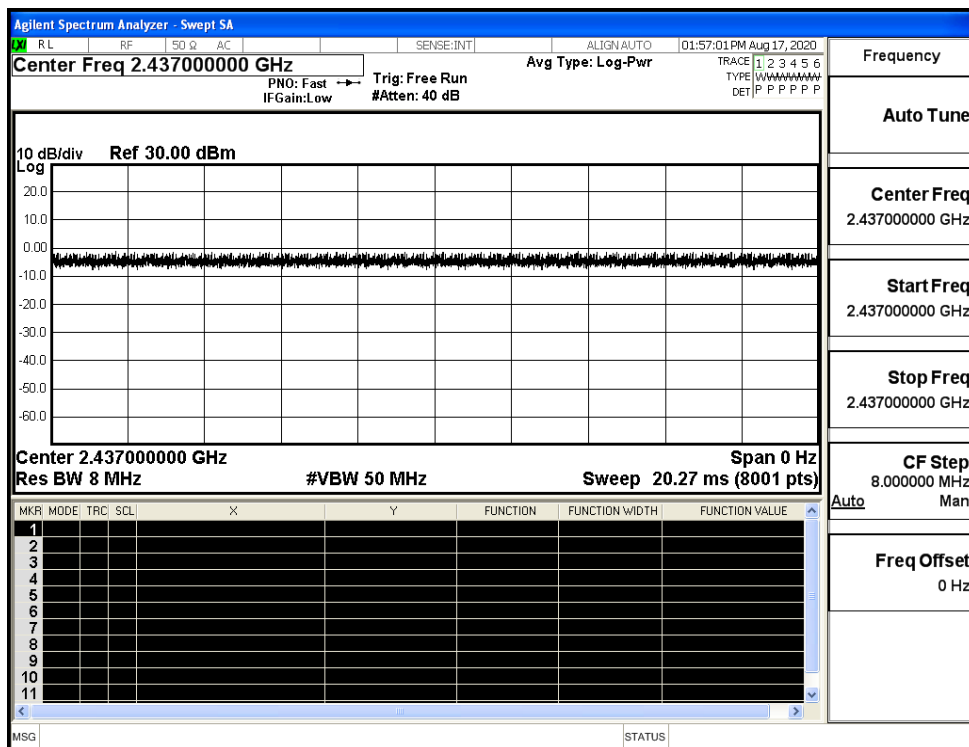
Duty Cycle_11N40_2437_Ant0



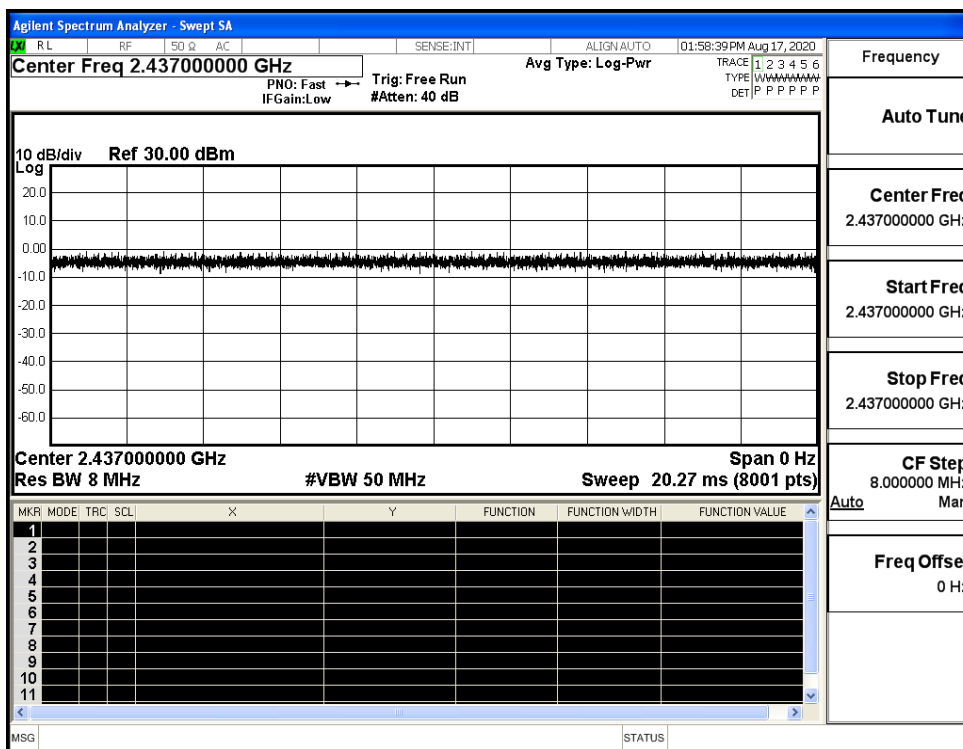
Duty Cycle_11B_2437_Ant1



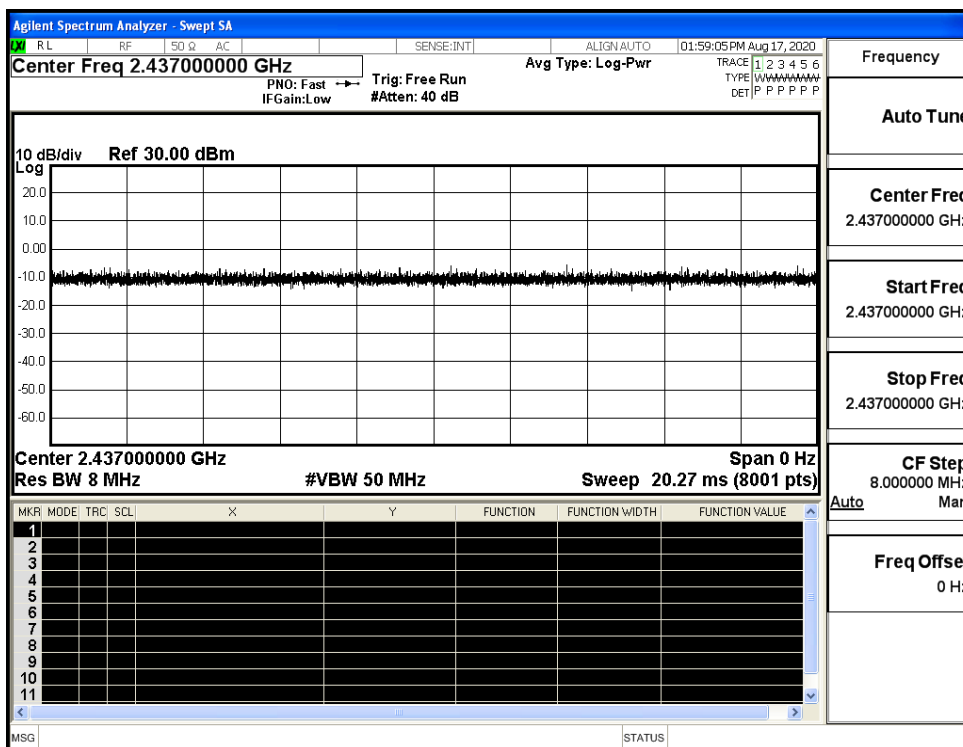
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20_2437_Ant1



Duty Cycle_11N40_2437_Ant1



C.2 Maximum Conducted Output Power

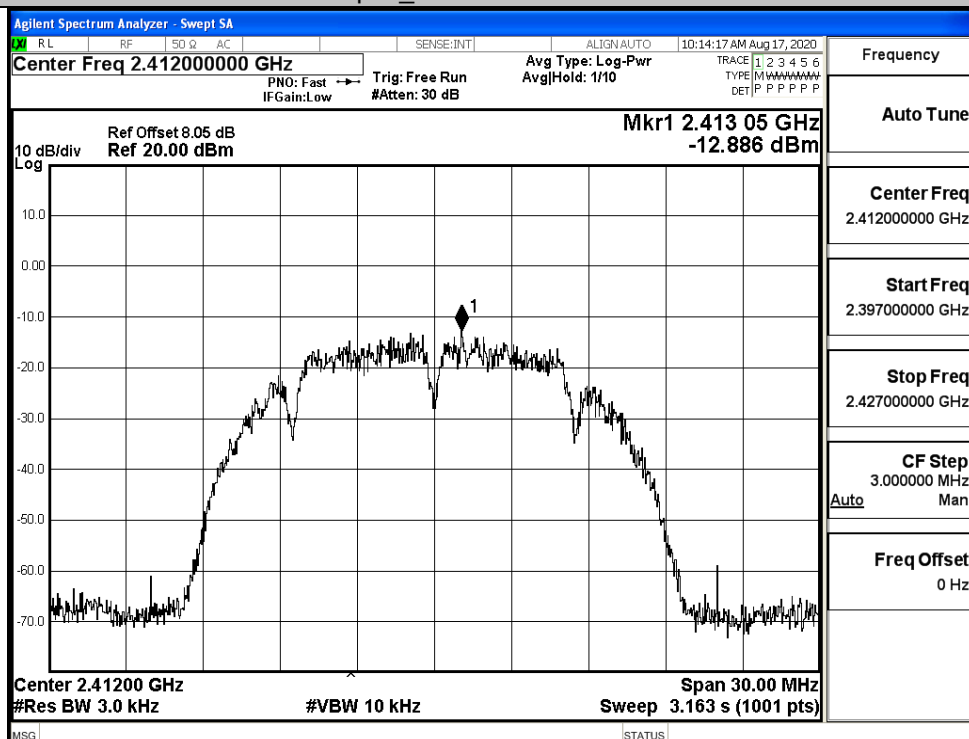
Mode	Channel	Peak Power [dBm]			Limit [dBm]	Verdict
		Ant 0	Ant 1	Sum		
11B	LCH	13.91	14.43	/	30	PASS
	MCH	13.77	13.99	/	30	PASS
	HCH	13.94	13.80	/	30	PASS
11G	LCH	12.17	13.08	/	30	PASS
	MCH	12.12	11.99	/	30	PASS
	HCH	12.42	12.01	/	30	PASS
11N20	LCH	13.05	12.37	15.73	30	PASS
	MCH	12.66	12.10	15.40	30	PASS
	HCH	12.74	12.22	15.50	30	PASS
11N40	LCH	12.28	12.07	15.19	30	PASS
	MCH	12.39	12.02	15.22	30	PASS
	HCH	12.34	11.90	15.14	30	PASS

C.3 Maximum Power Spectral Density

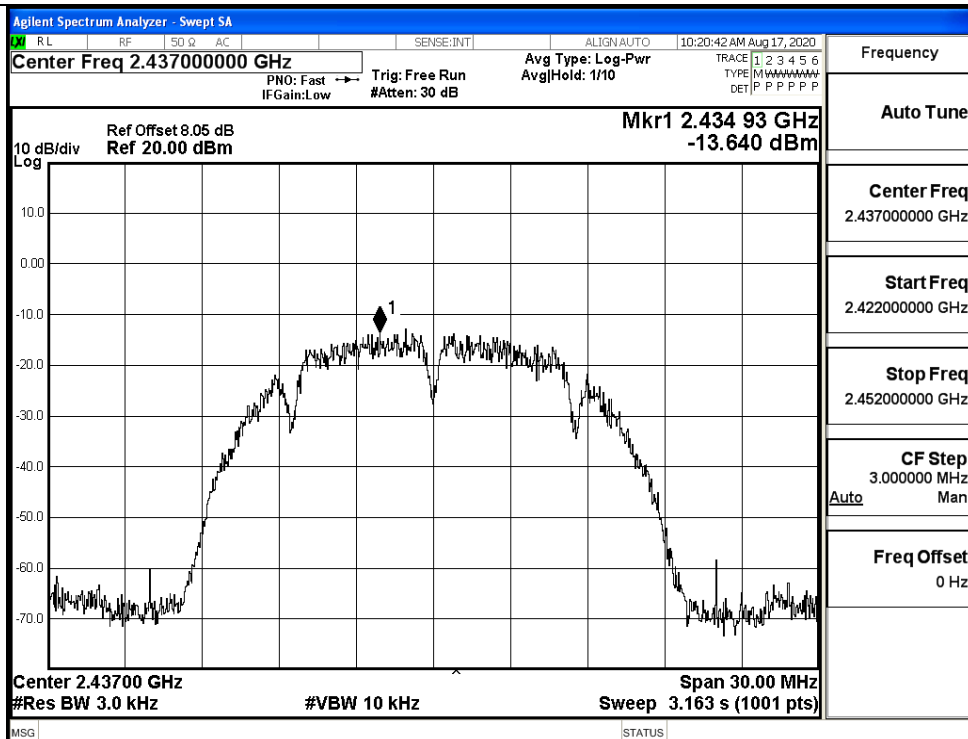
Mode	Channel	Meas.Level [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant 0	Ant 1	Sum		
11B	LCH	-12.886	-12.451	/	8	PASS
	MCH	-13.640	-13.061	/	8	PASS
	HCH	-12.422	-12.798	/	8	PASS
11G	LCH	-22.082	-14.899	/	8	PASS
	MCH	-22.358	-22.035	/	8	PASS
	HCH	-21.277	-22.165	/	8	PASS
11N20	LCH	-22.989	-23.708	-20.32	5.99	PASS
	MCH	-22.323	-23.391	-19.81	5.99	PASS
	HCH	-22.906	-22.936	-19.91	5.99	PASS
11N40	LCH	-26.931	-27.257	-24.08	5.99	PASS
	MCH	-25.028	-26.929	-22.87	5.99	PASS
	HCH	-27.216	-27.384	-24.29	5.99	PASS

Test Graphs_Ant0

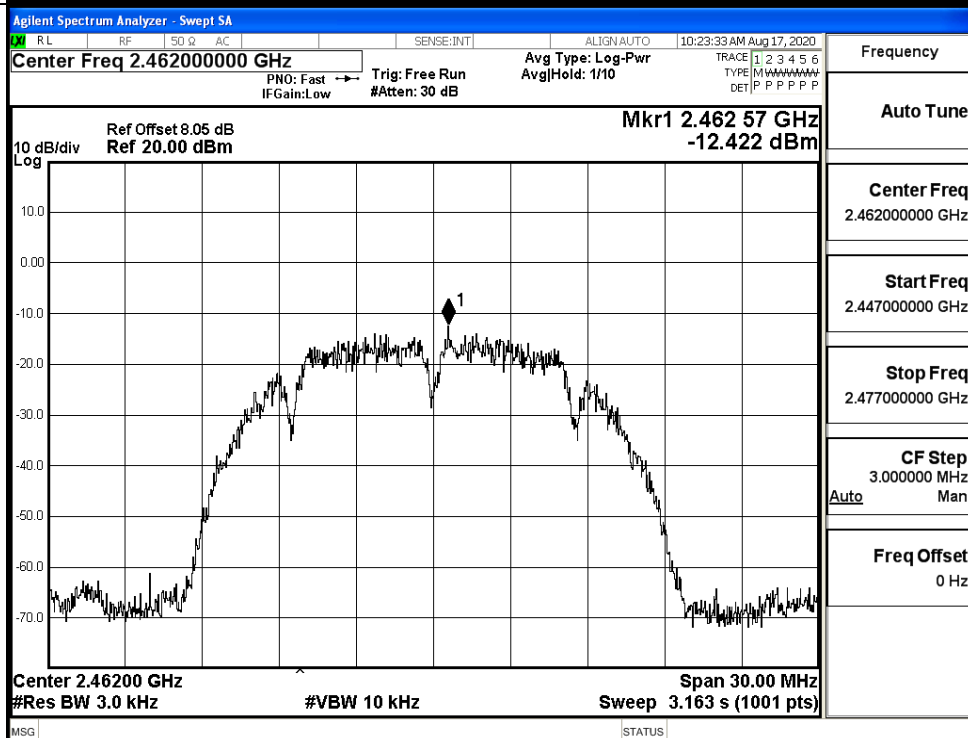
11B/LCH



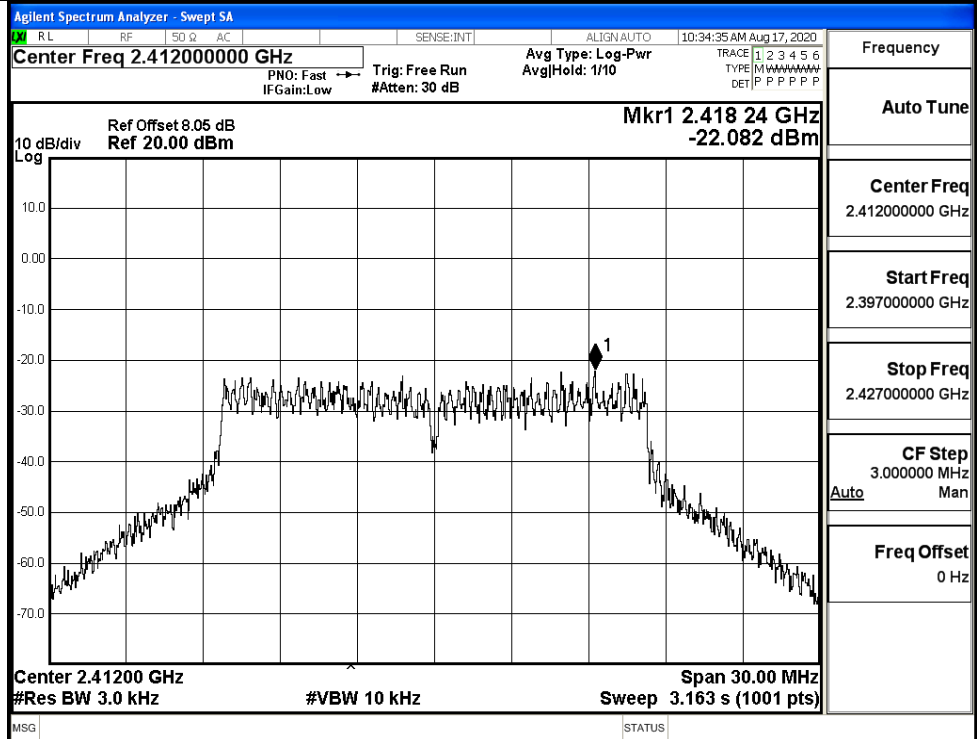
11B/MCH



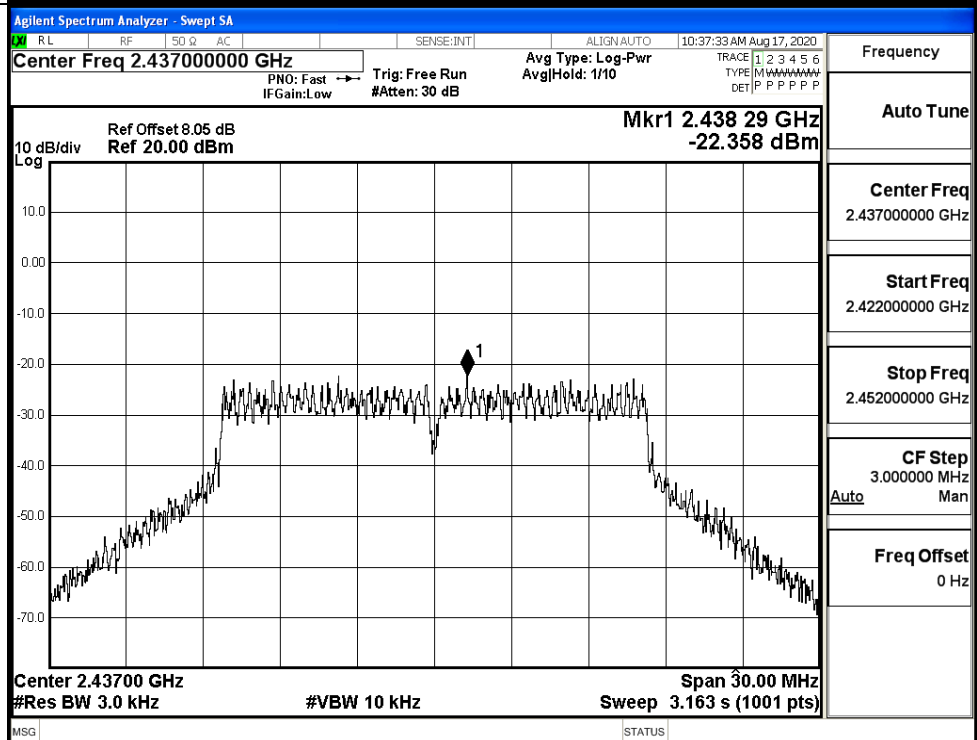
11B/HCH



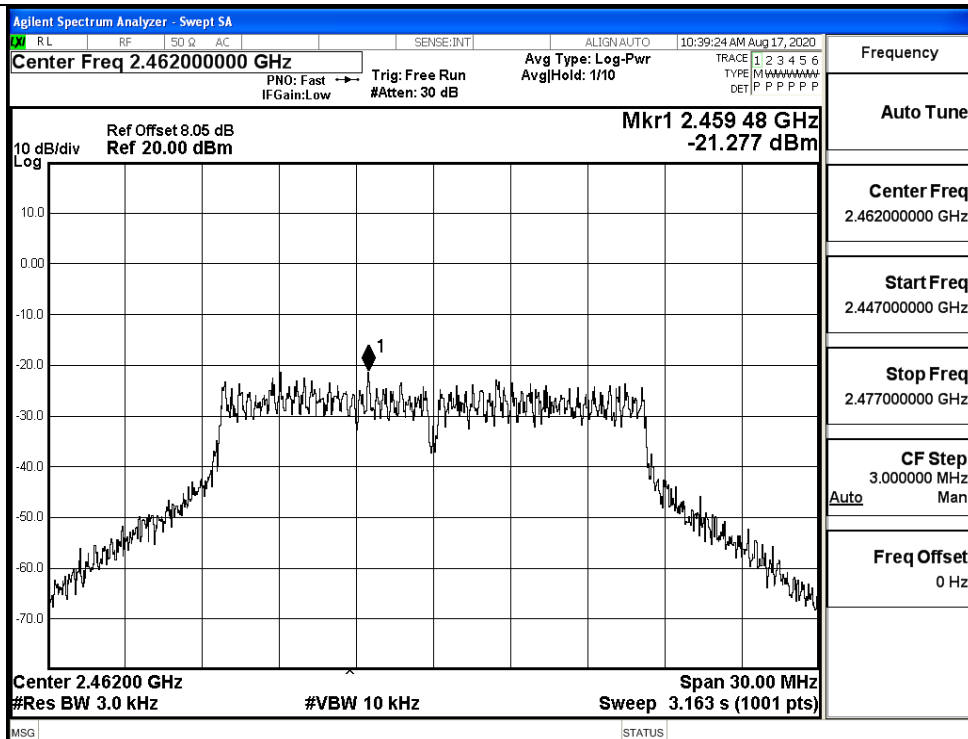
11G/LCH



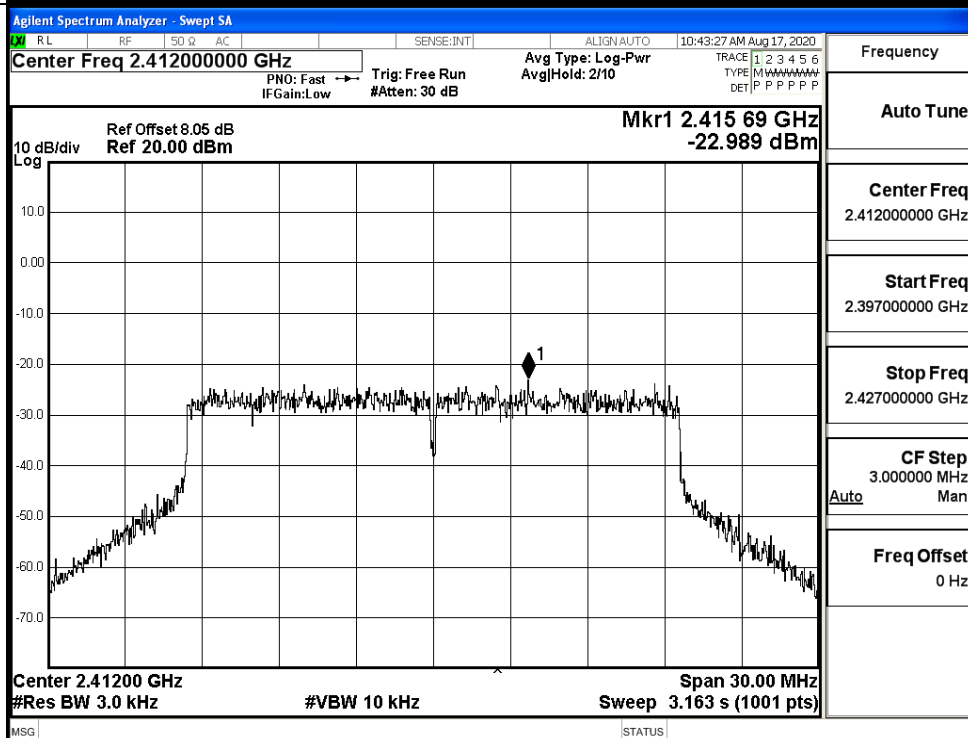
11G/MCH



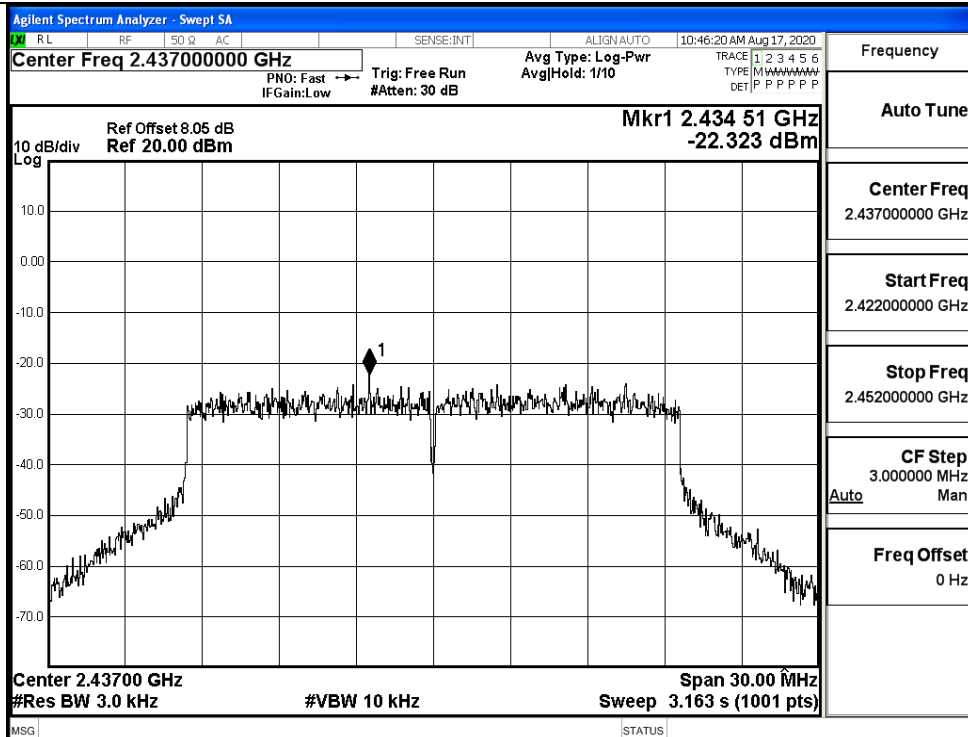
11G/HCH



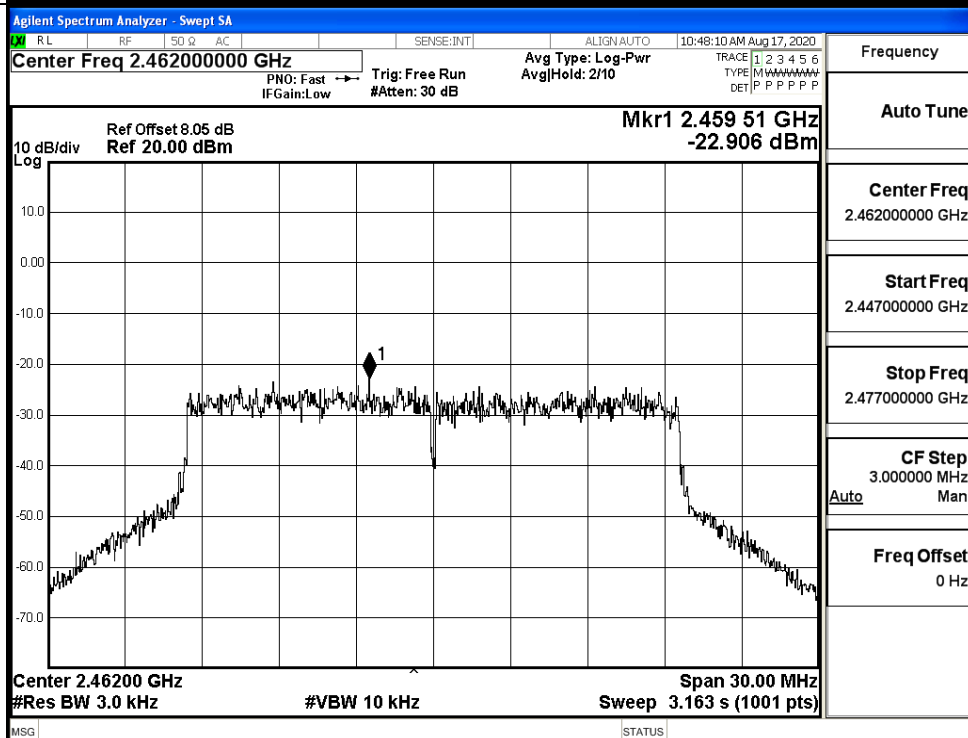
11N20 /LCH



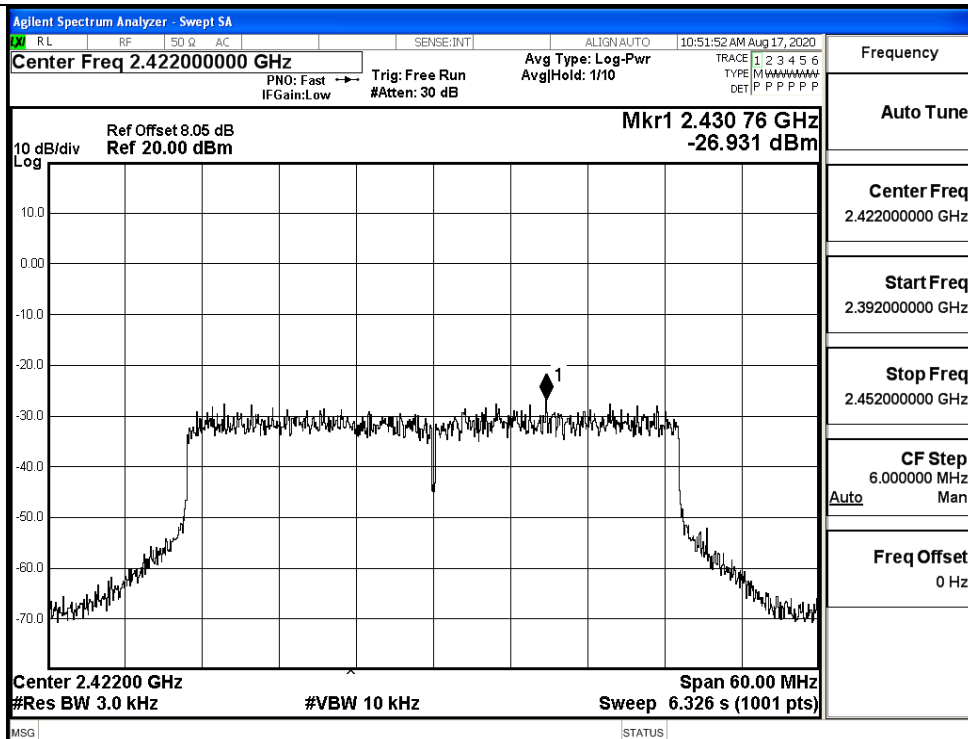
11N20 /MCH



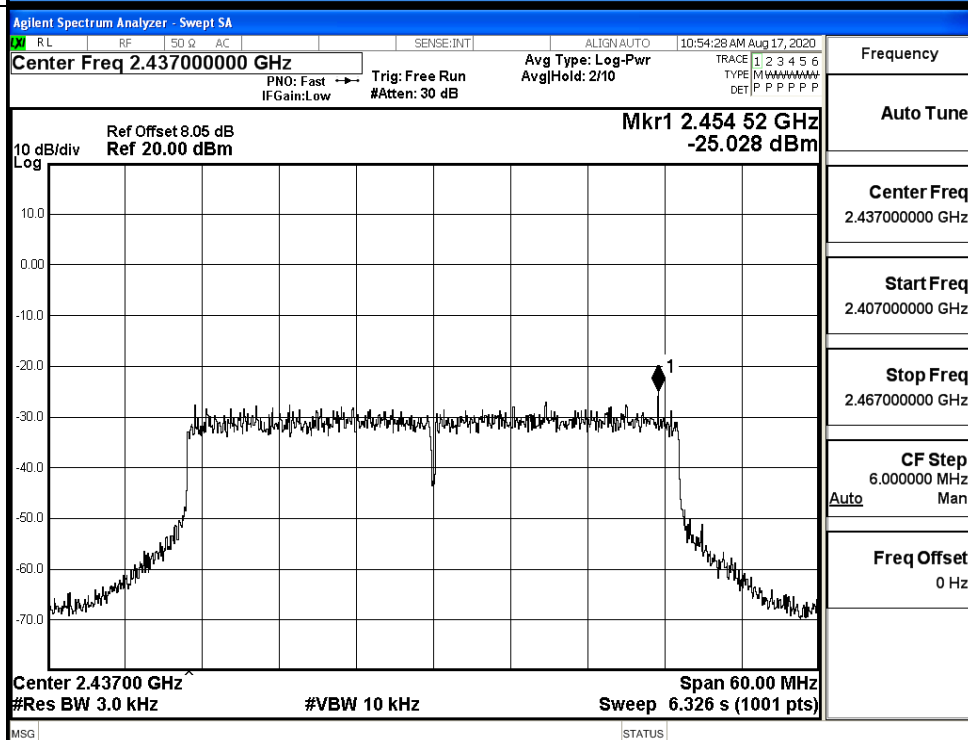
11N20 /HCH



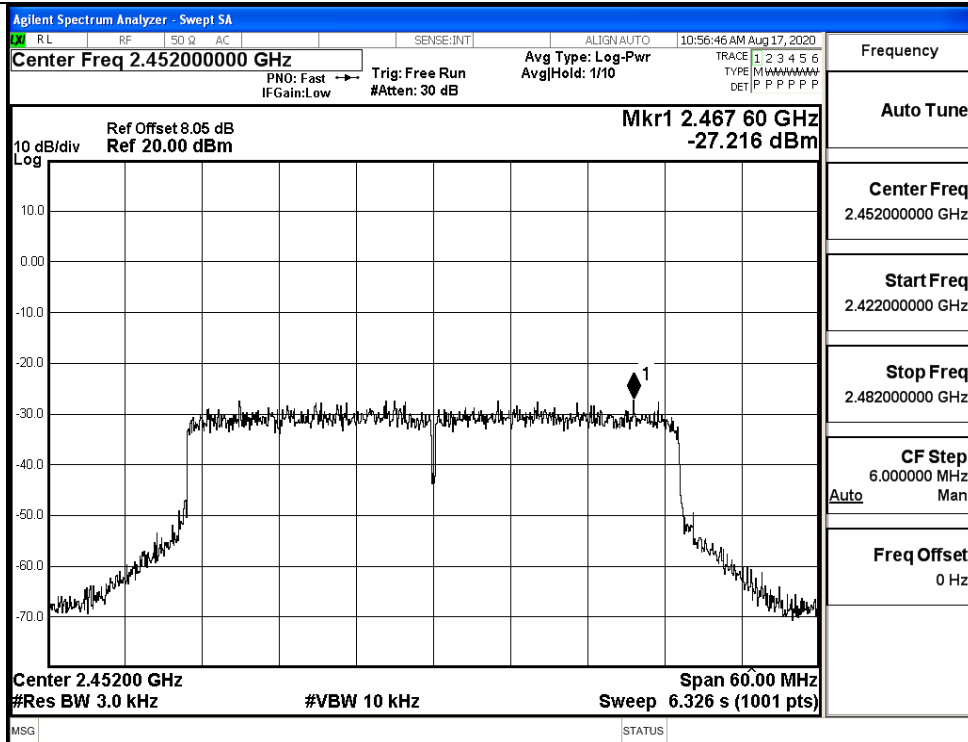
11N40 /LCH



11N40 /MCH

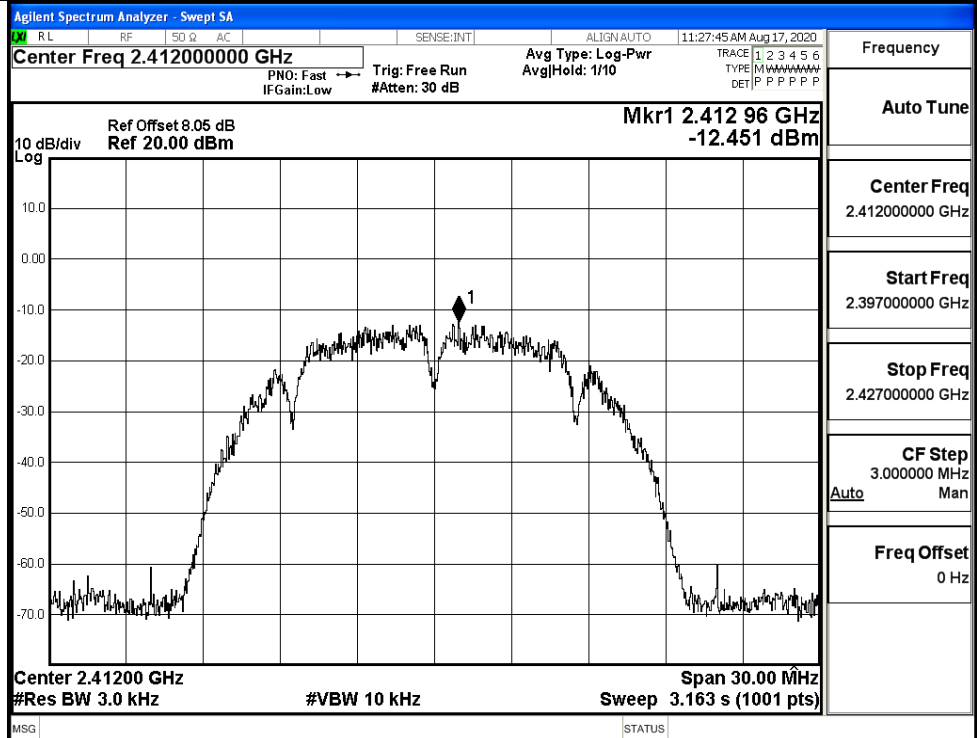


11N40 /HCH

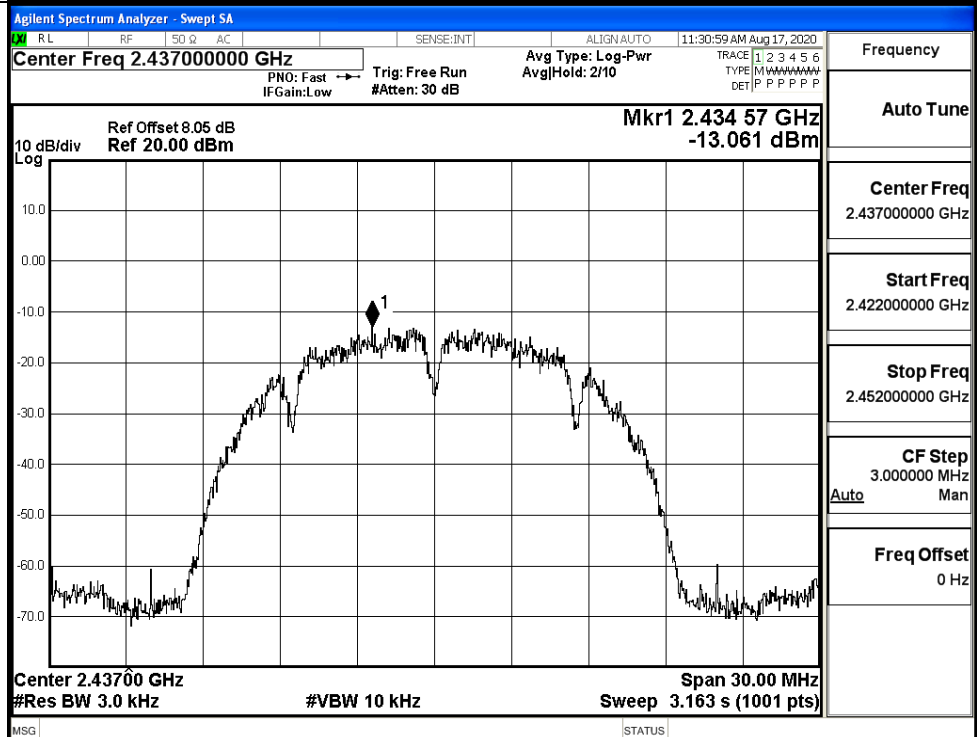


Test Graphs_Ant1

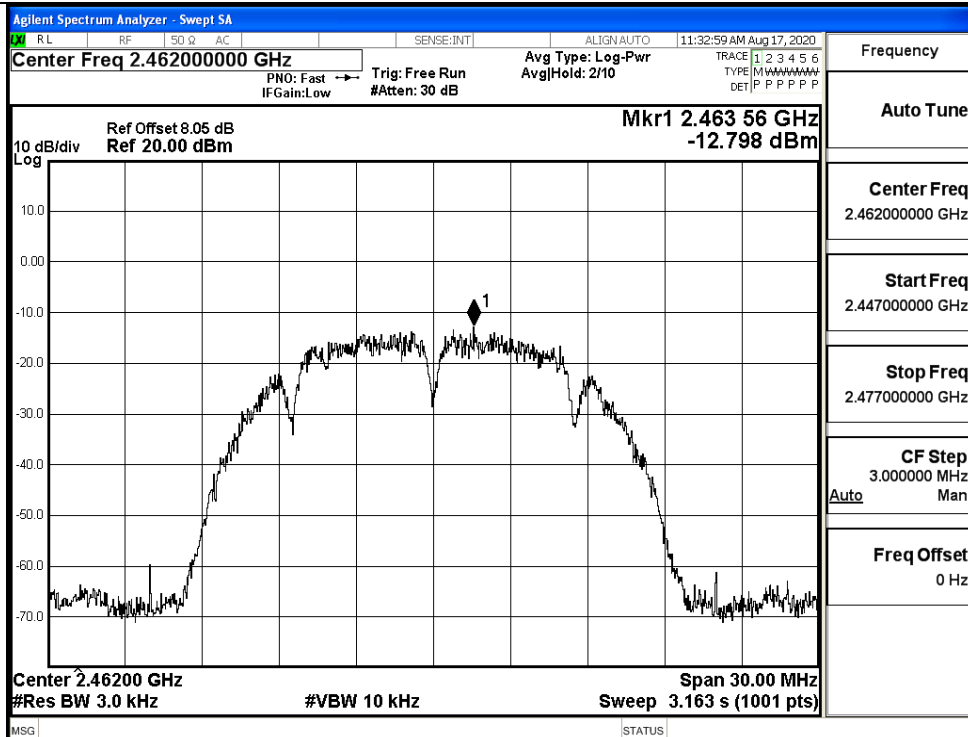
11B/LCH



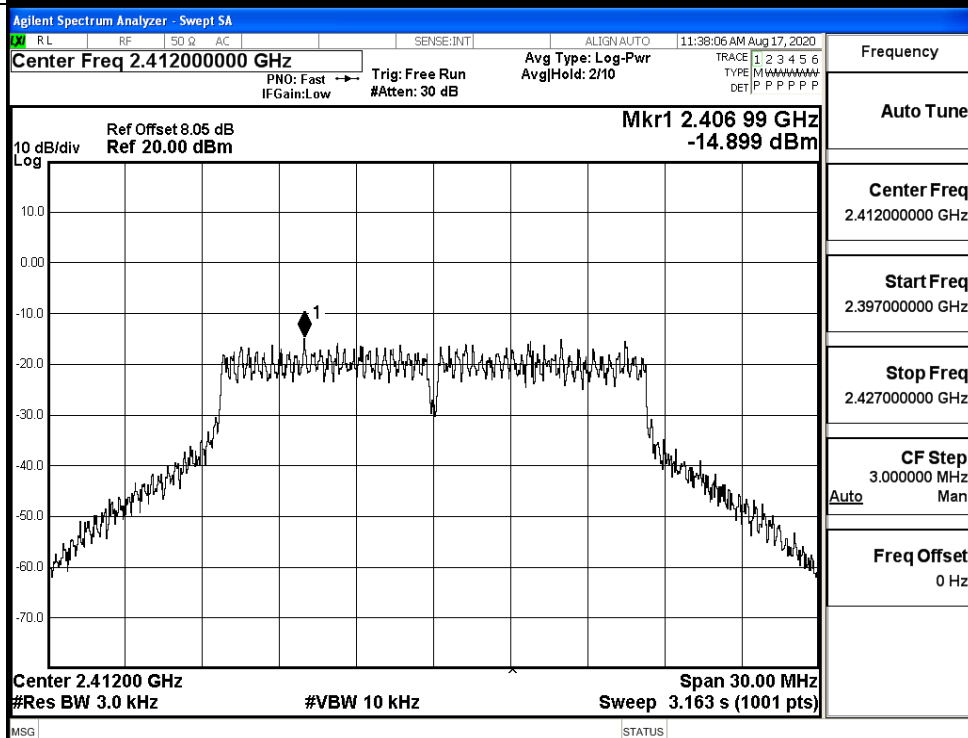
11B/MCH



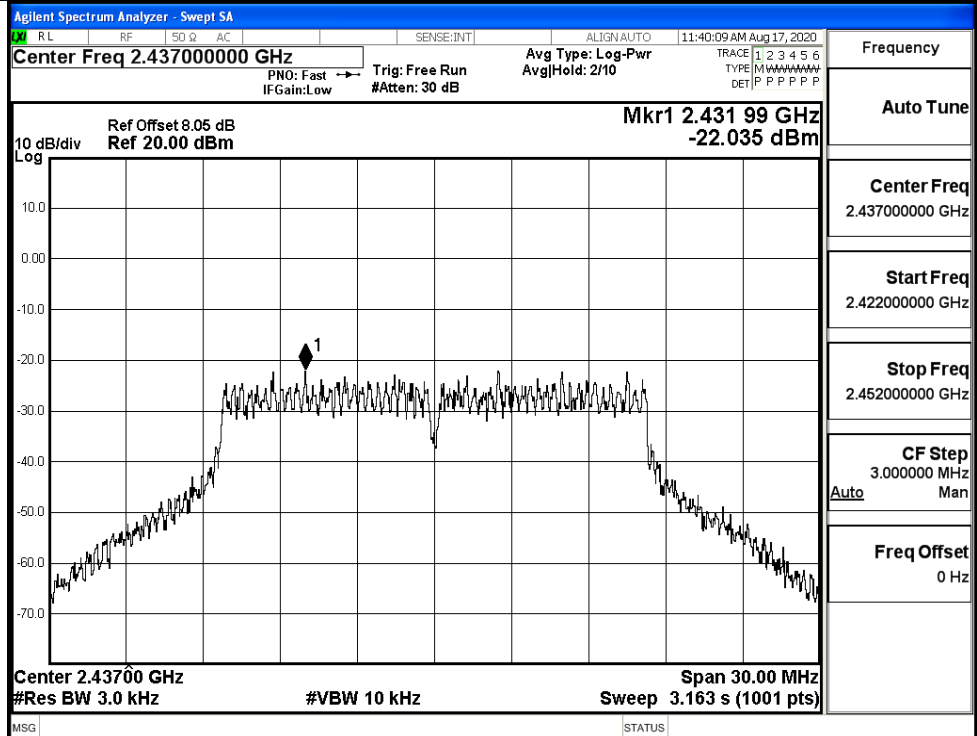
11B/HCH



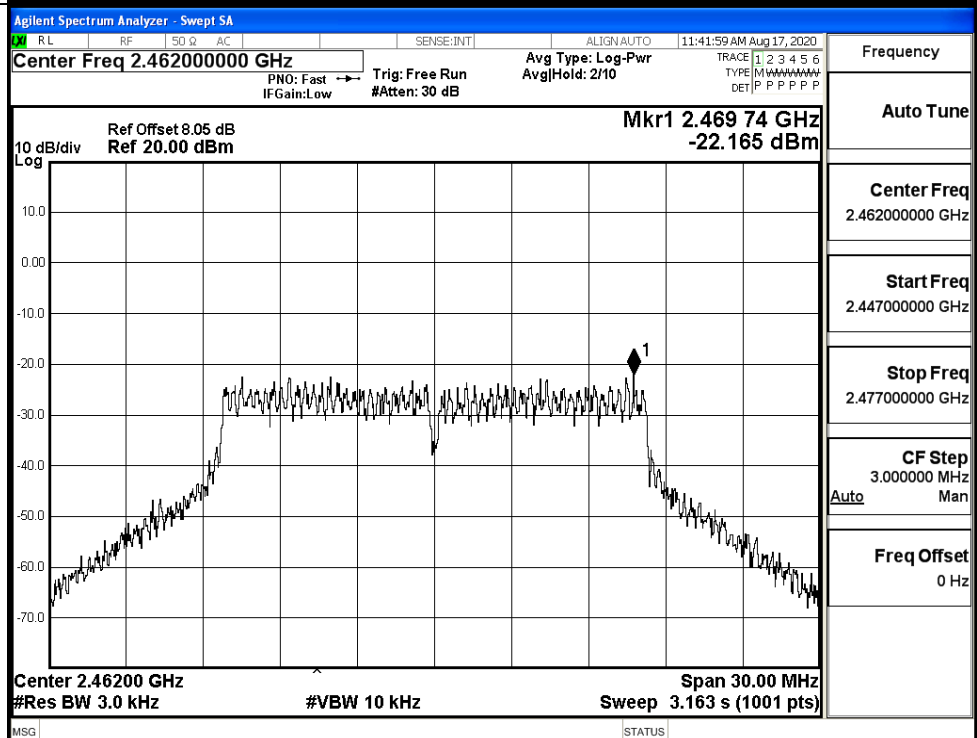
11G/LCH



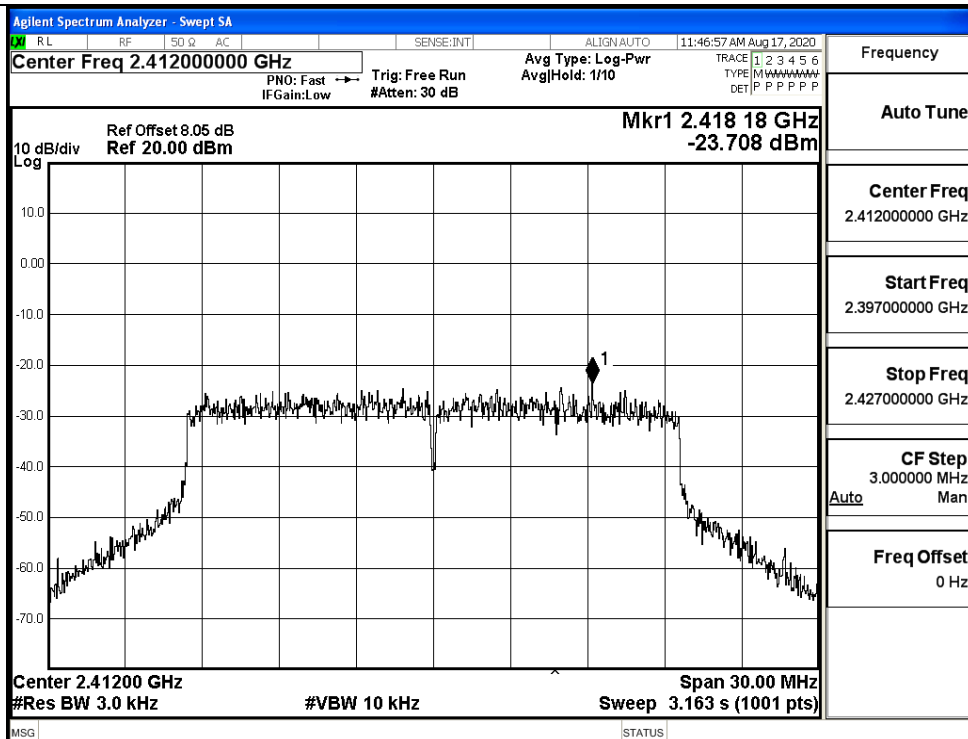
11G/MCH



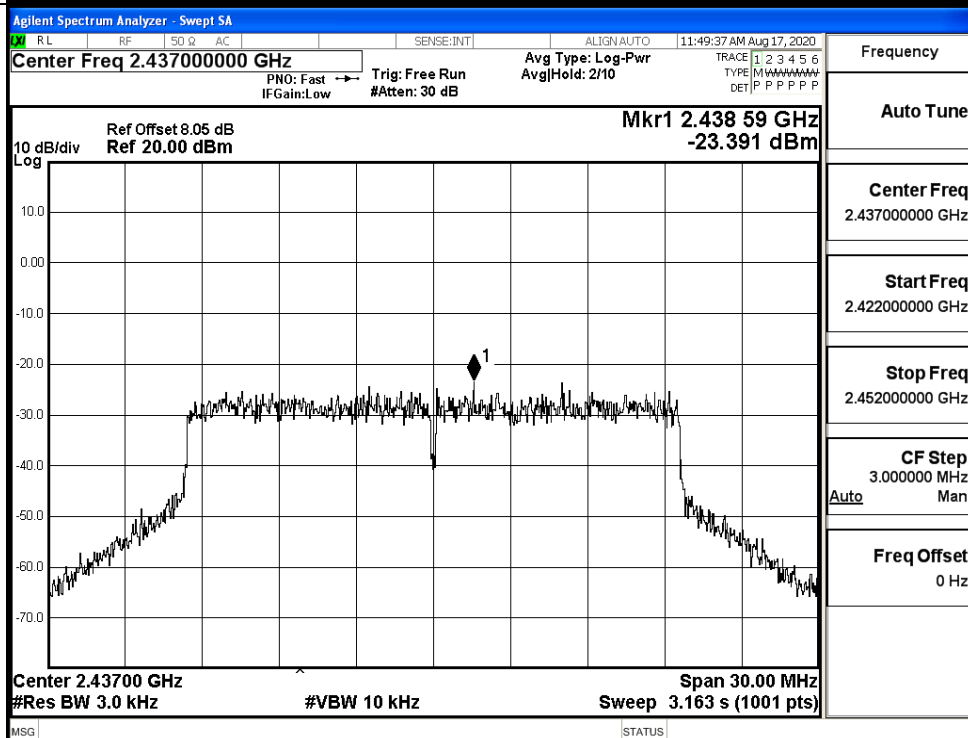
11G/HCH



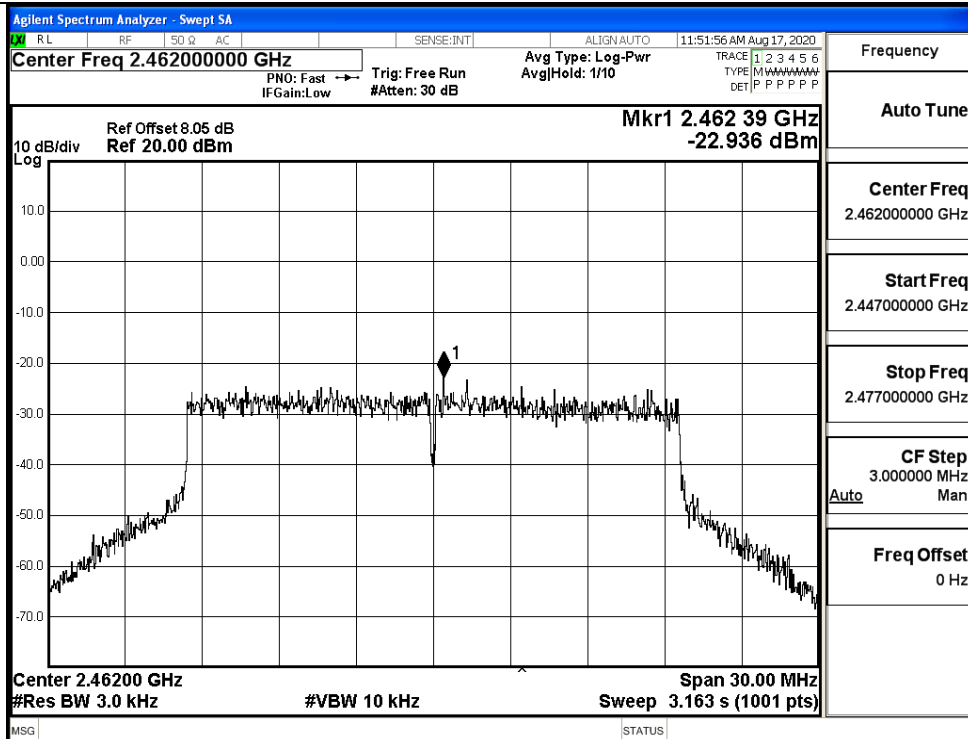
11N20 /LCH



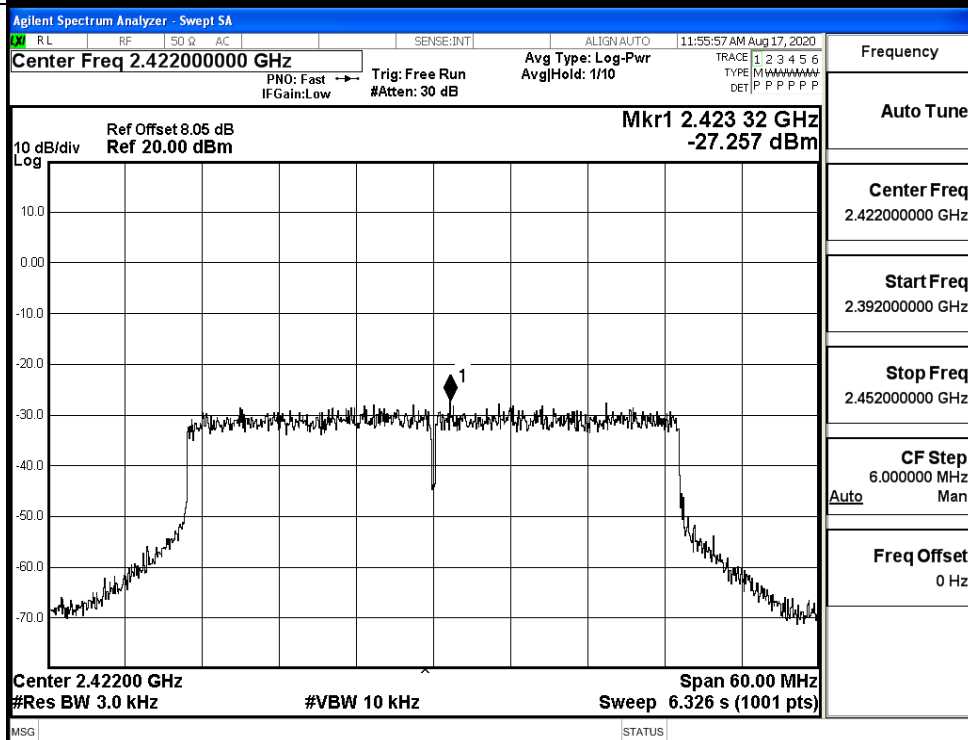
11N20 /MCH



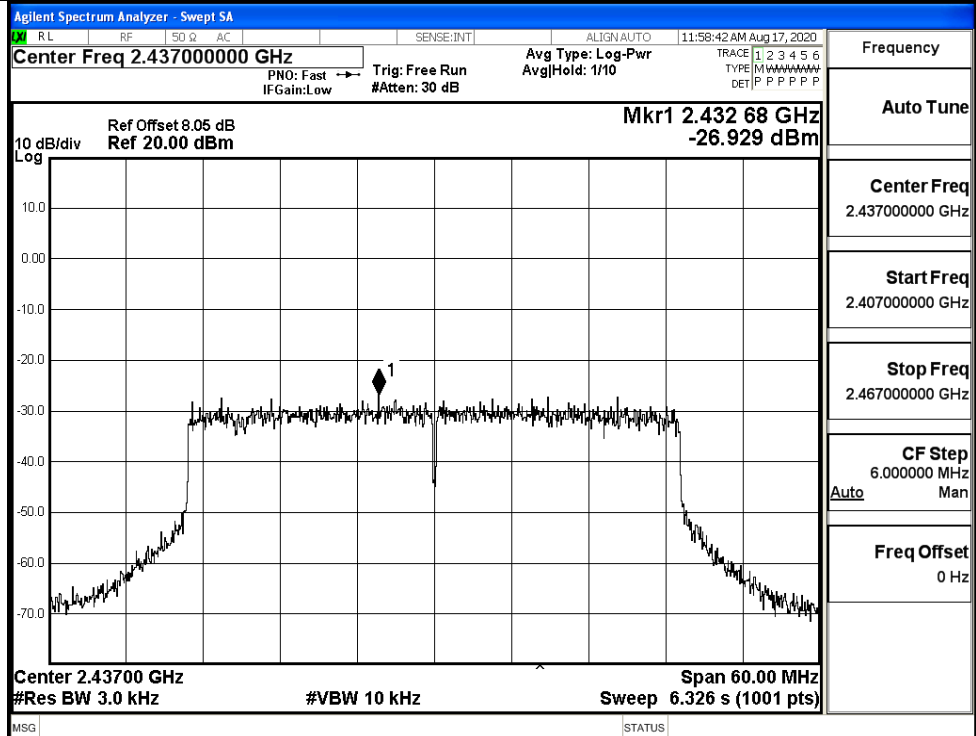
11N20 /HCH



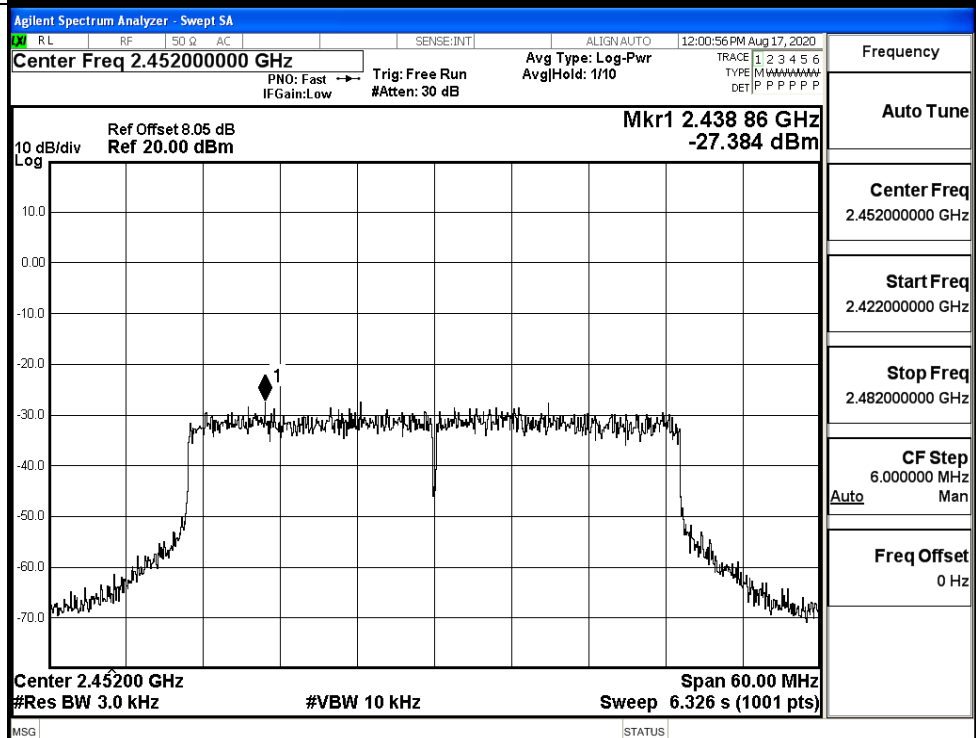
11N40 /LCH



11N40 /MCH



11N40 /HCH

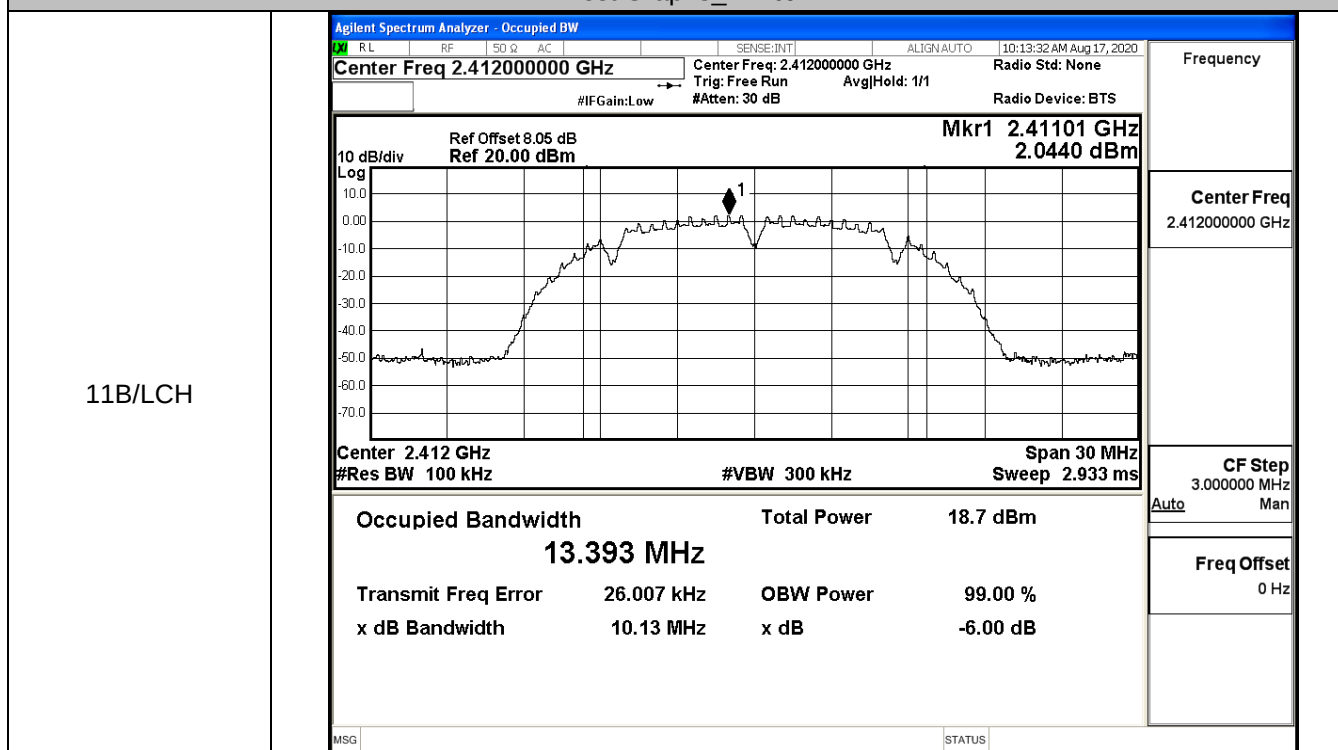


C.4 6dB Bandwidth

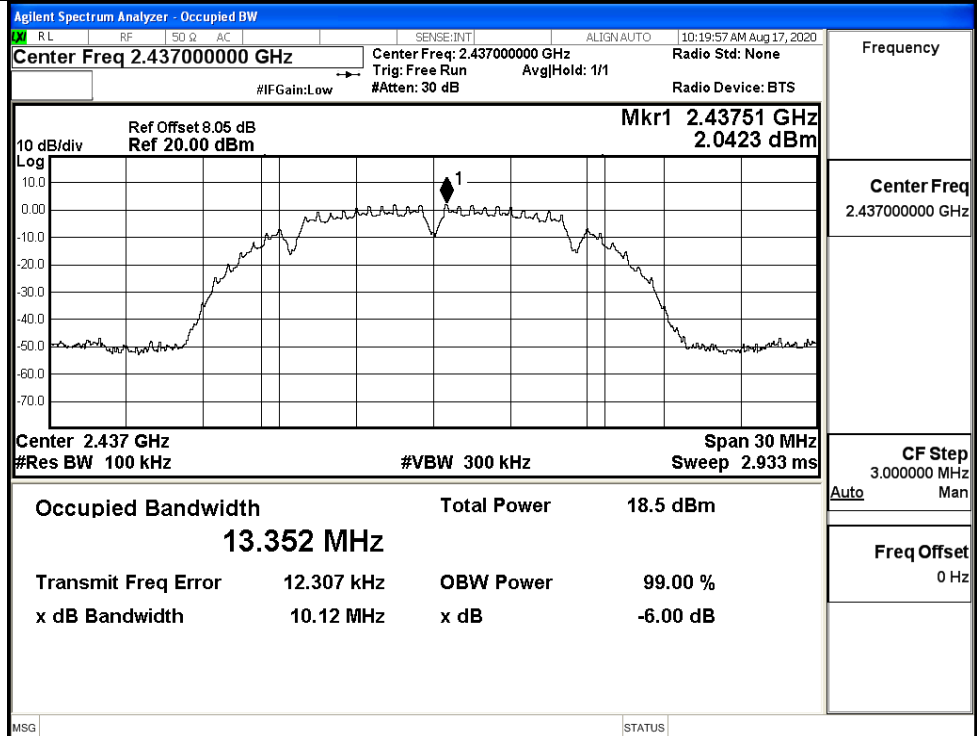
Ant0

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.13	≥ 0.5	PASS
	MCH	10.12	≥ 0.5	PASS
	HCH	10.11	≥ 0.5	PASS
11G	LCH	16.36	≥ 0.5	PASS
	MCH	16.36	≥ 0.5	PASS
	HCH	16.36	≥ 0.5	PASS
11N20	LCH	18.59	≥ 0.5	PASS
	MCH	18.85	≥ 0.5	PASS
	HCH	18.74	≥ 0.5	PASS
11N40	LCH	37.78	≥ 0.5	PASS
	MCH	37.86	≥ 0.5	PASS
	HCH	37.64	≥ 0.5	PASS

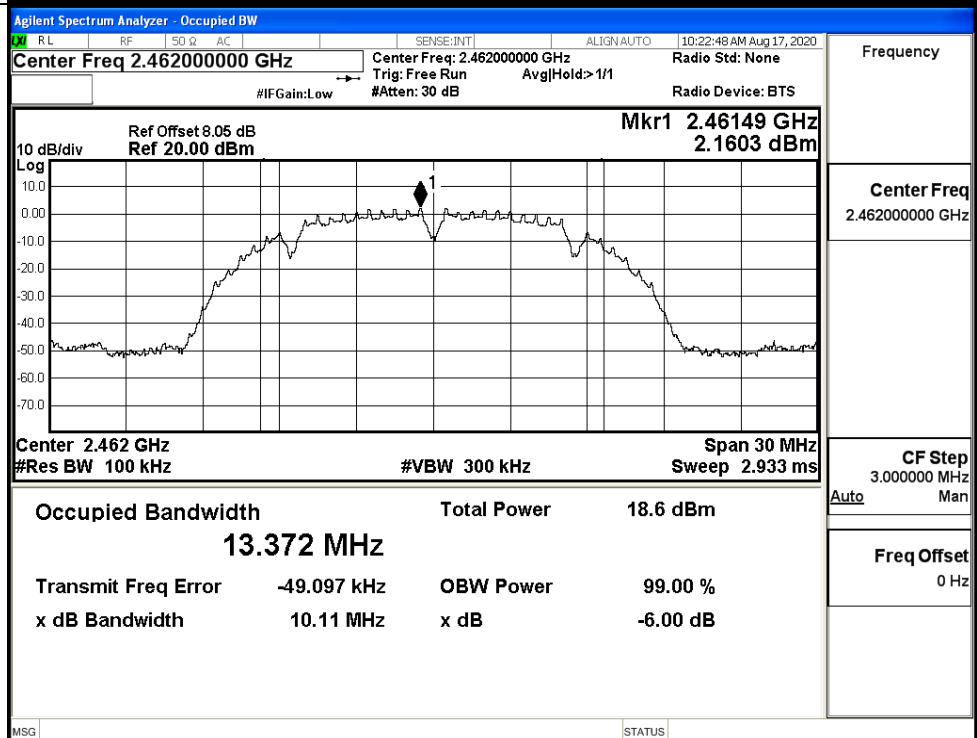
Test Graphs_ Ant0



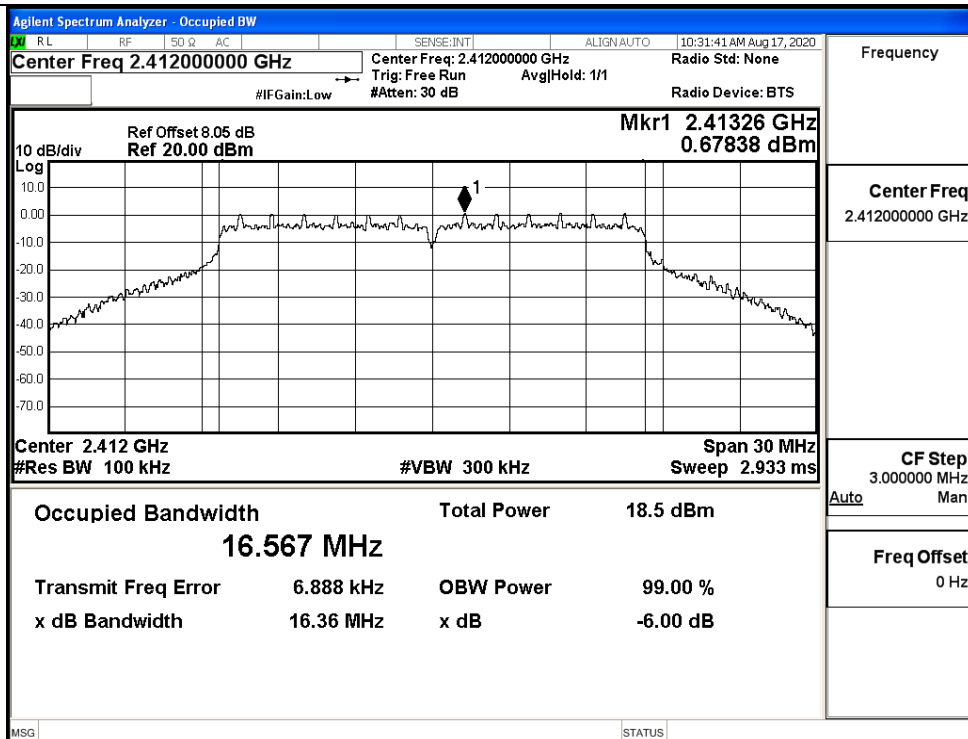
11B/MCH



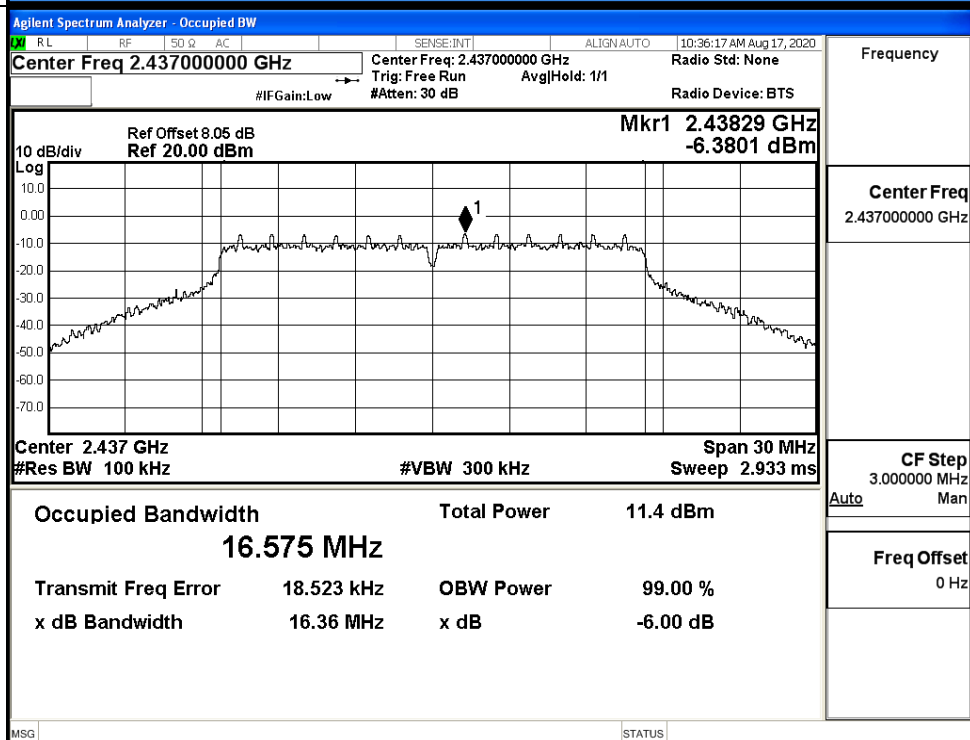
11B/HCH



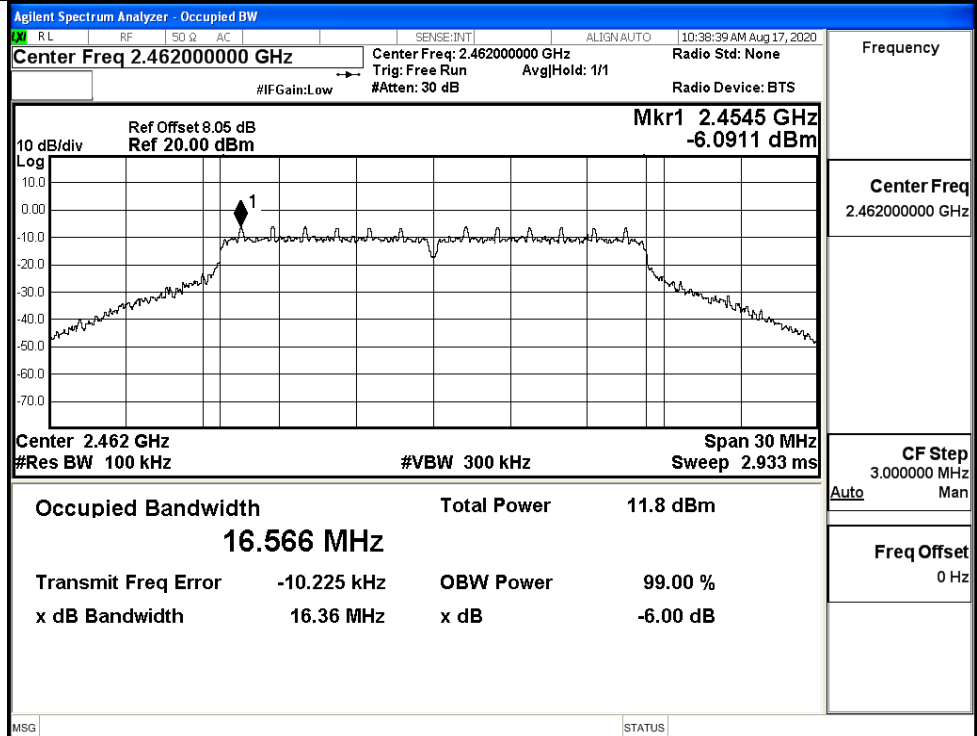
11G/LCH



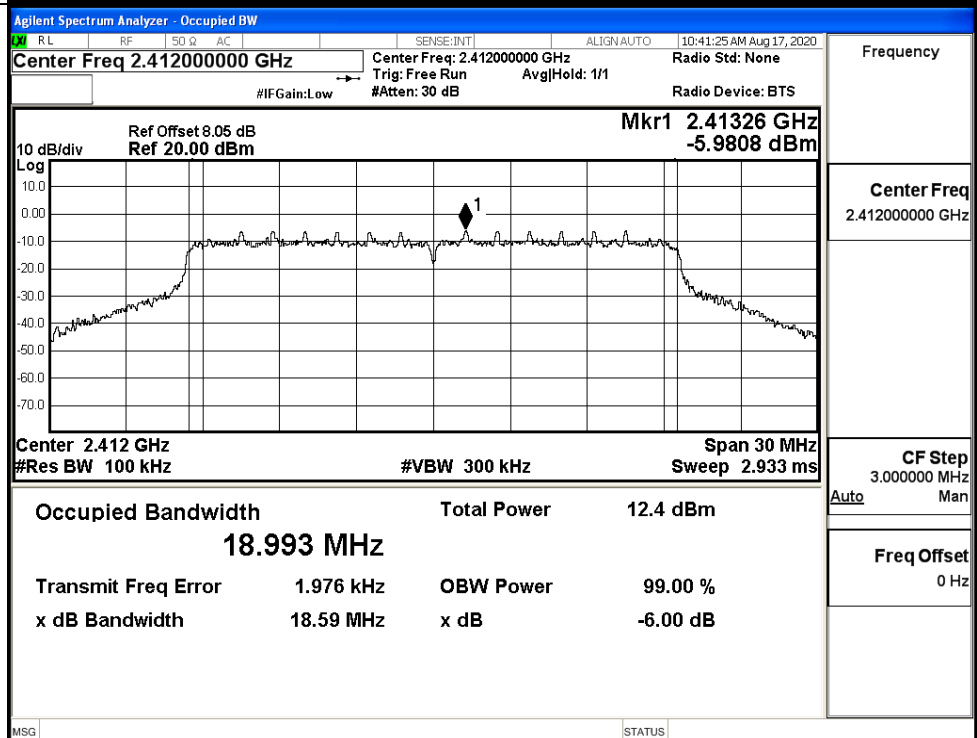
11G/MCH



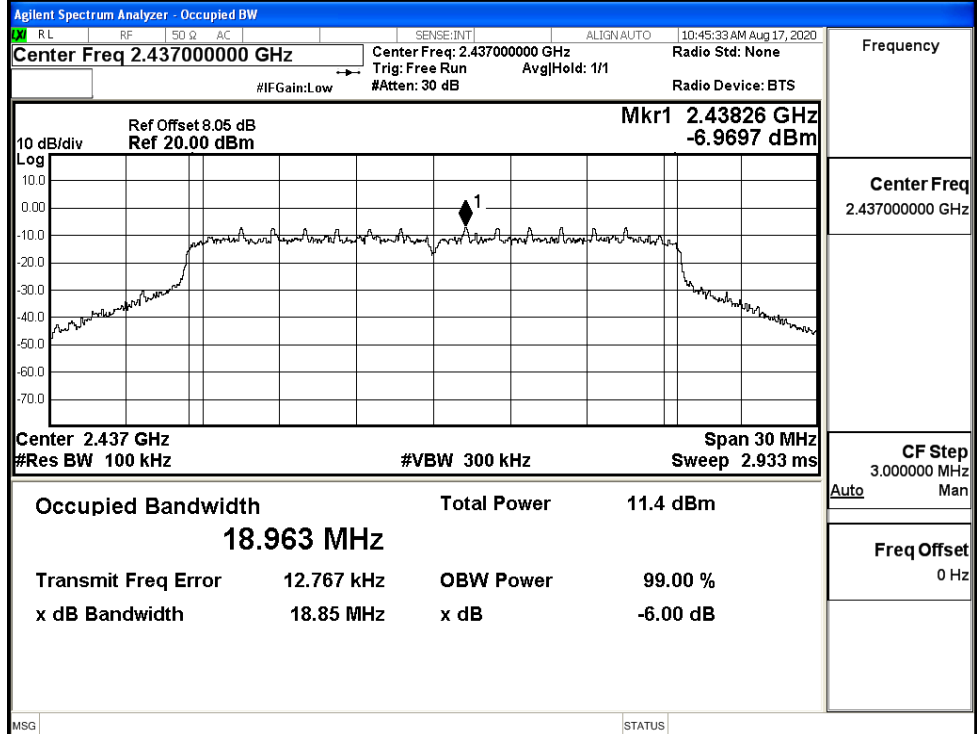
11G/HCH



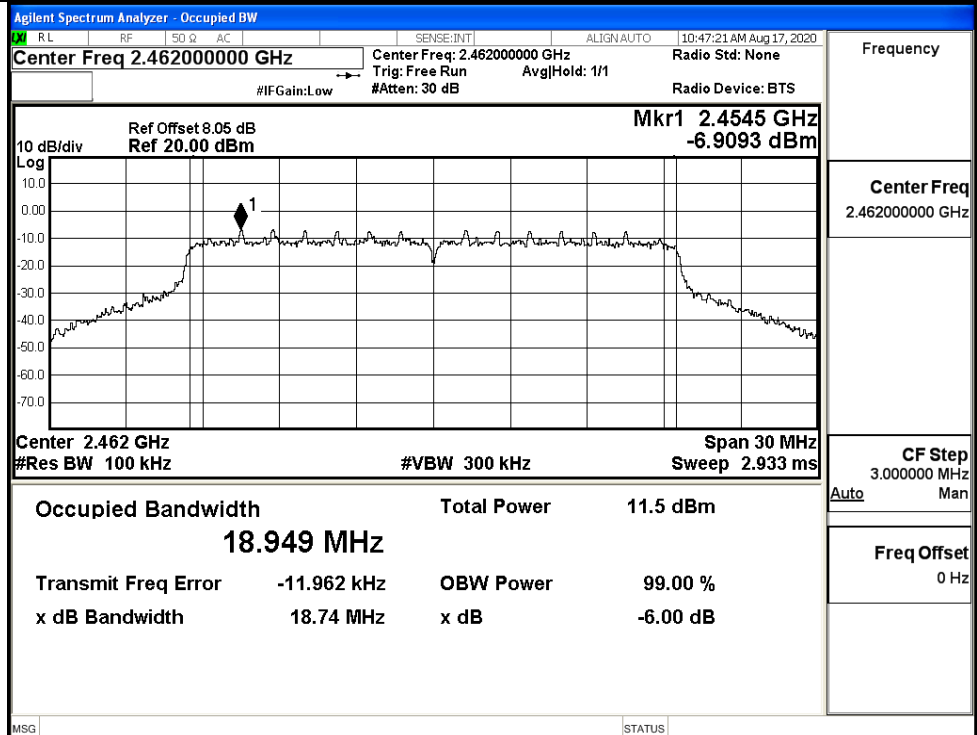
11N20 /LCH



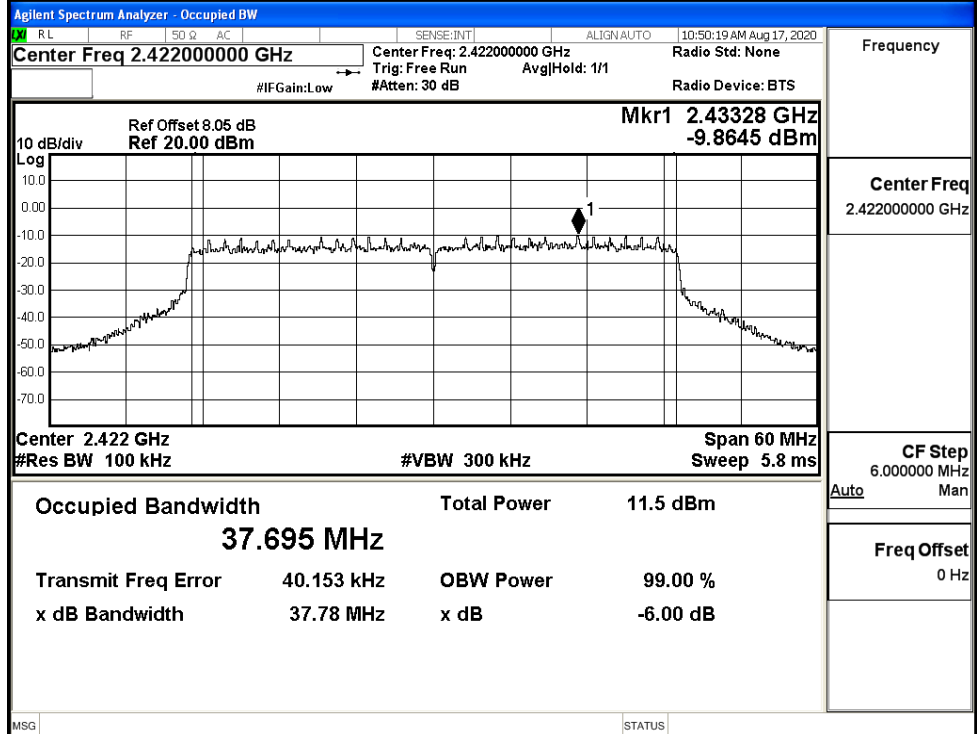
11N20 /MCH



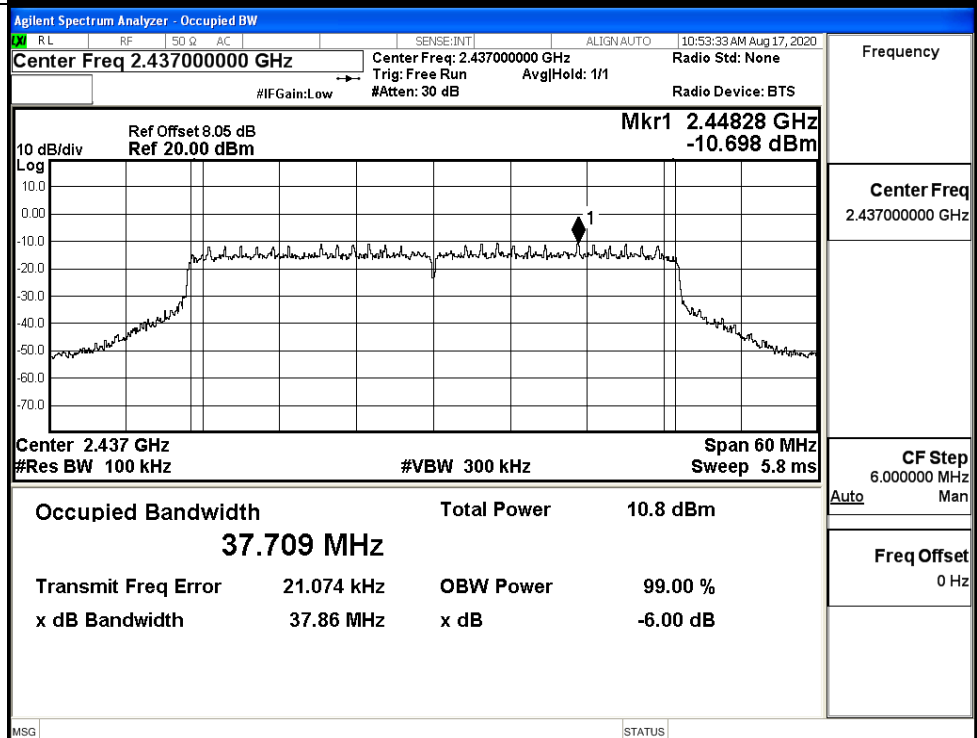
11N20 /HCH



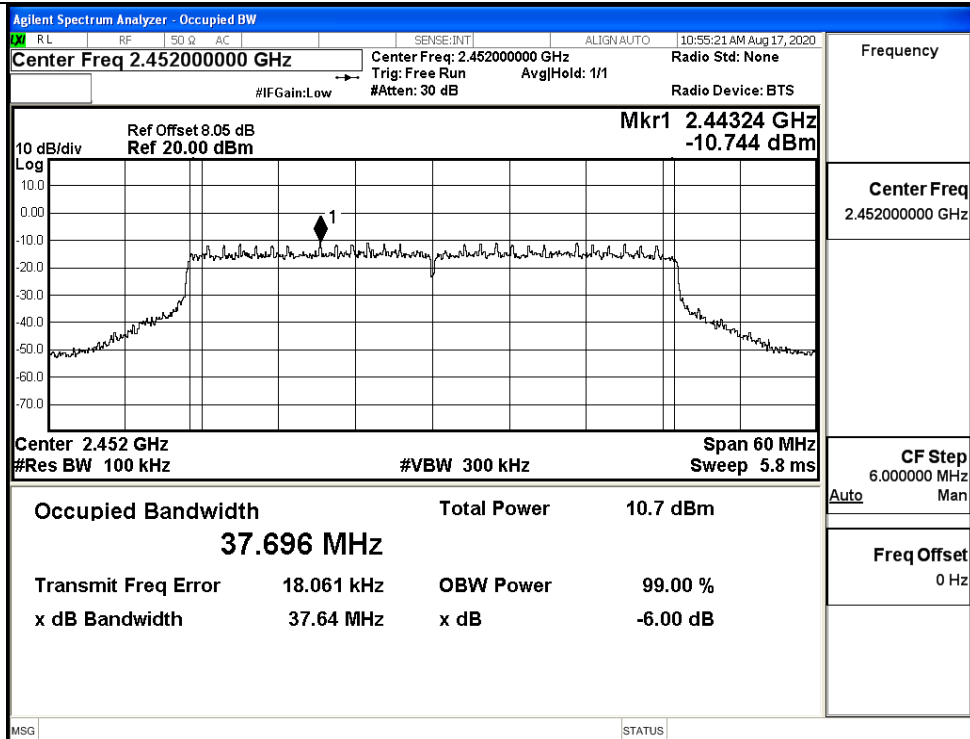
11N40 /LCH



11N40 /MCH

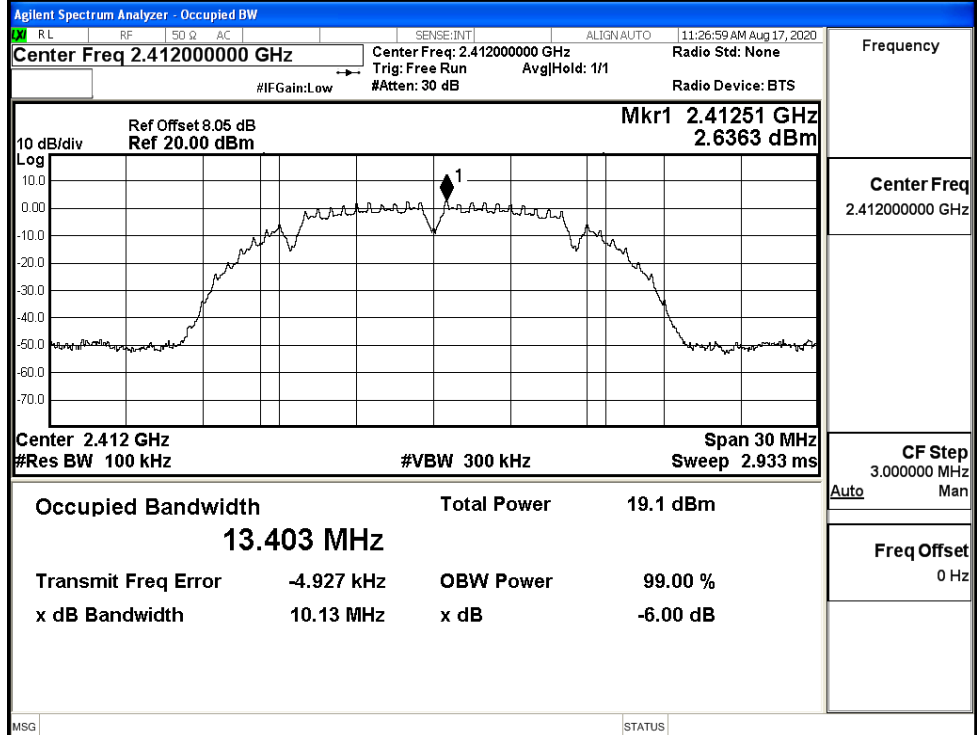


11N40 /HCH

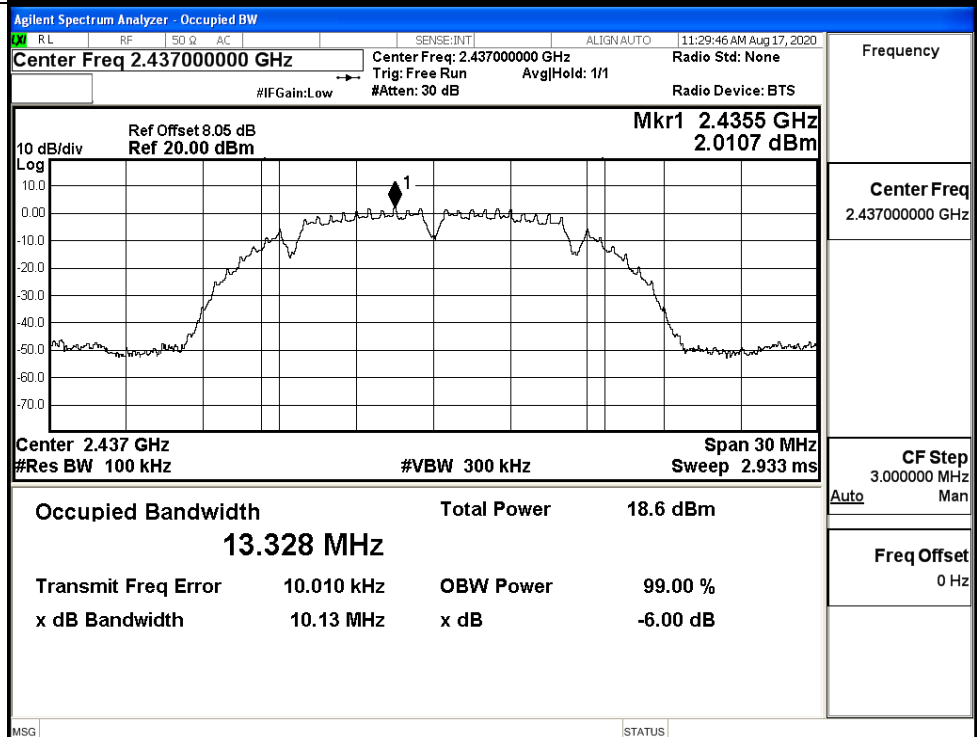


Test Graphs_ Ant1

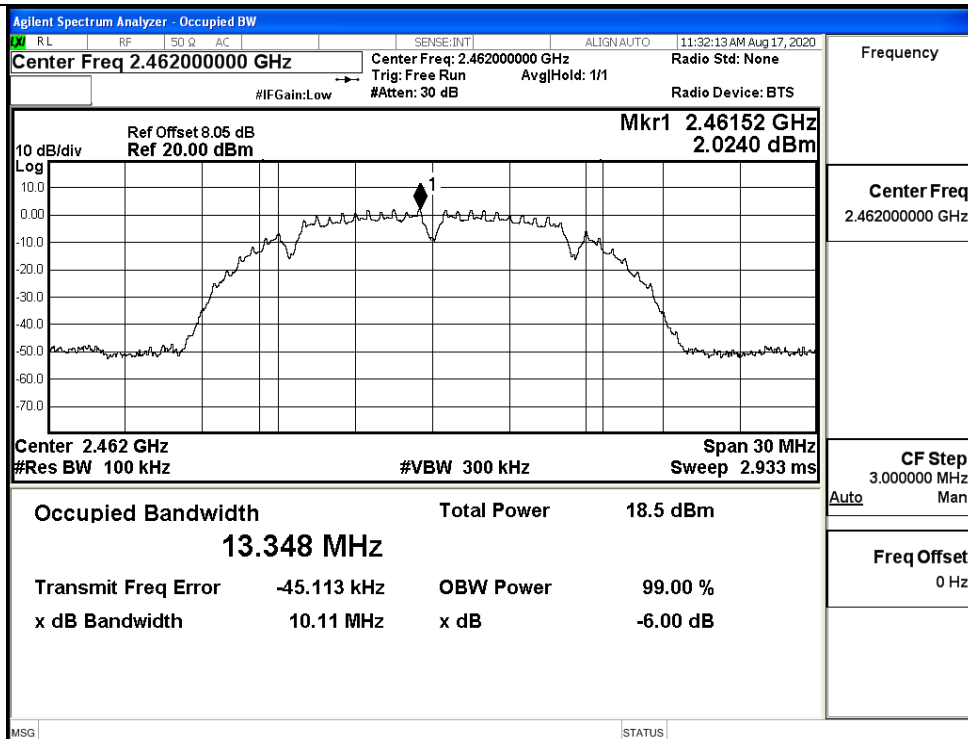
11B/LCH



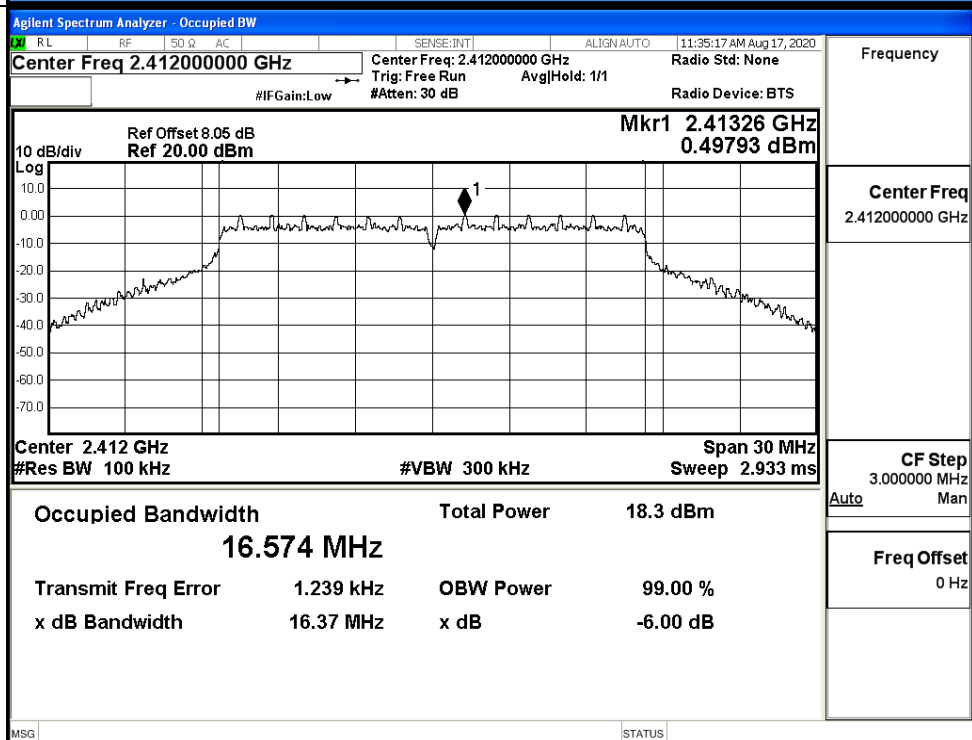
11B/MCH



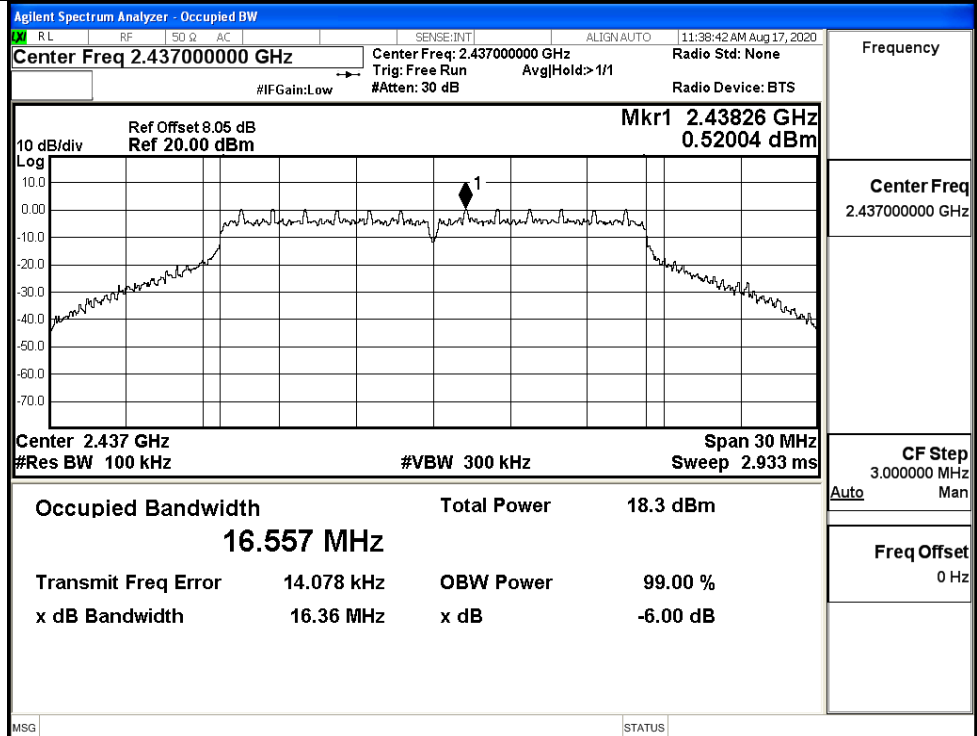
11B/HCH



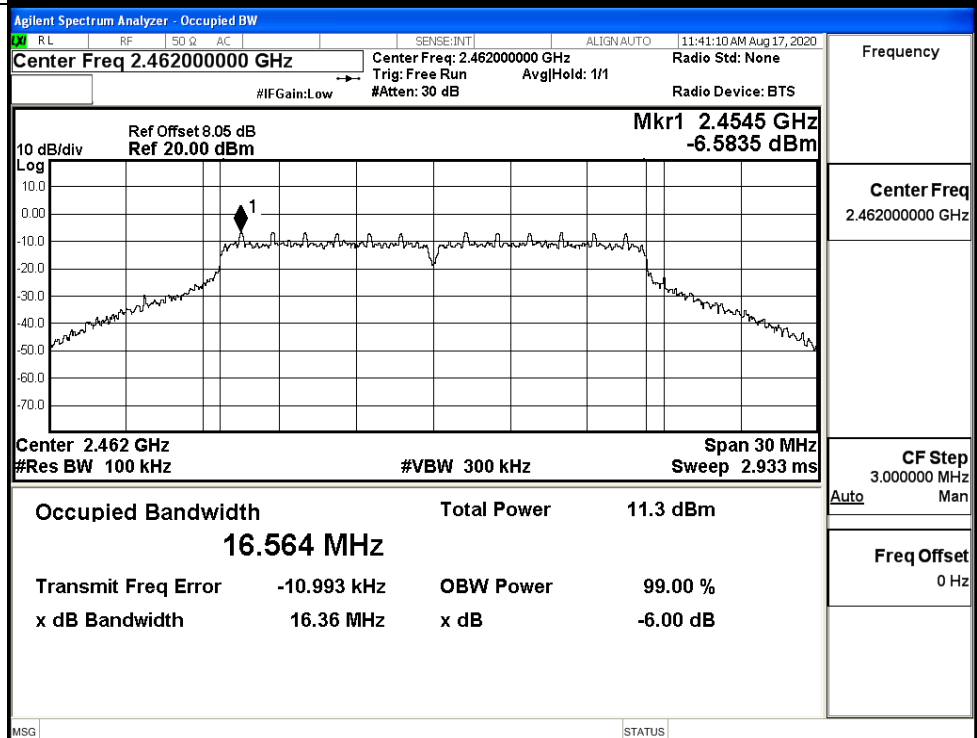
11G/LCH



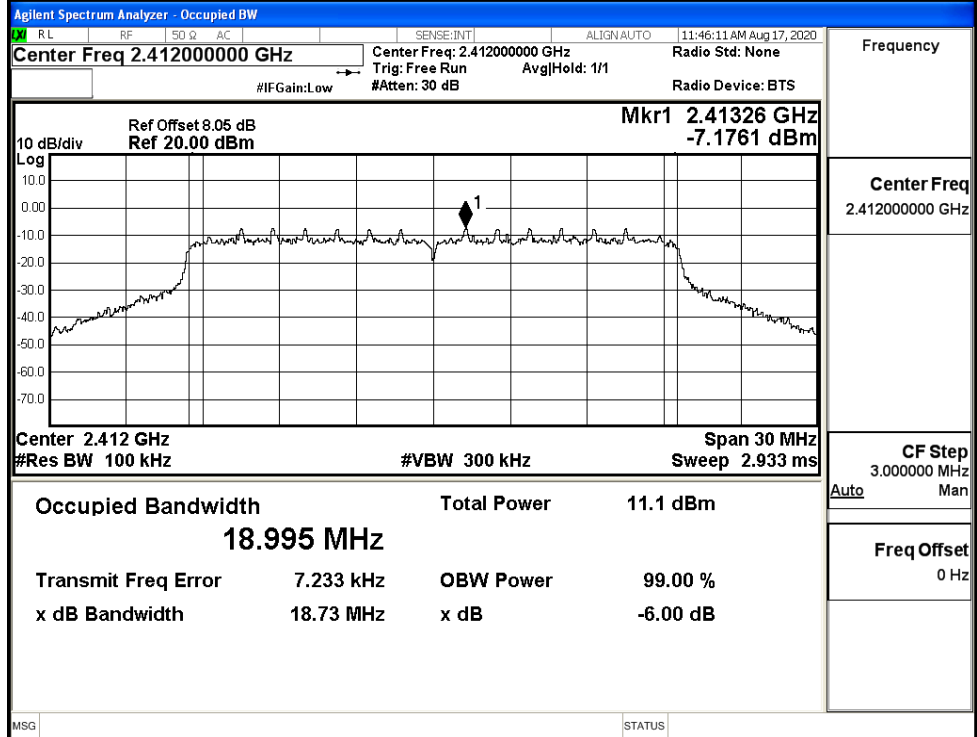
11G/MCH



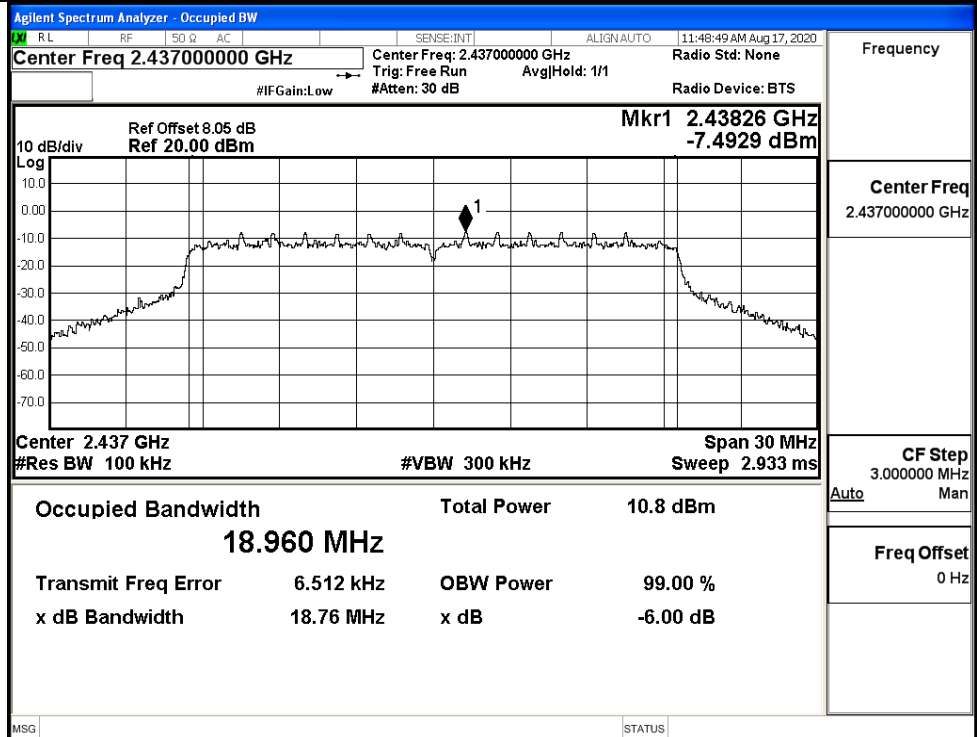
11G/HCH



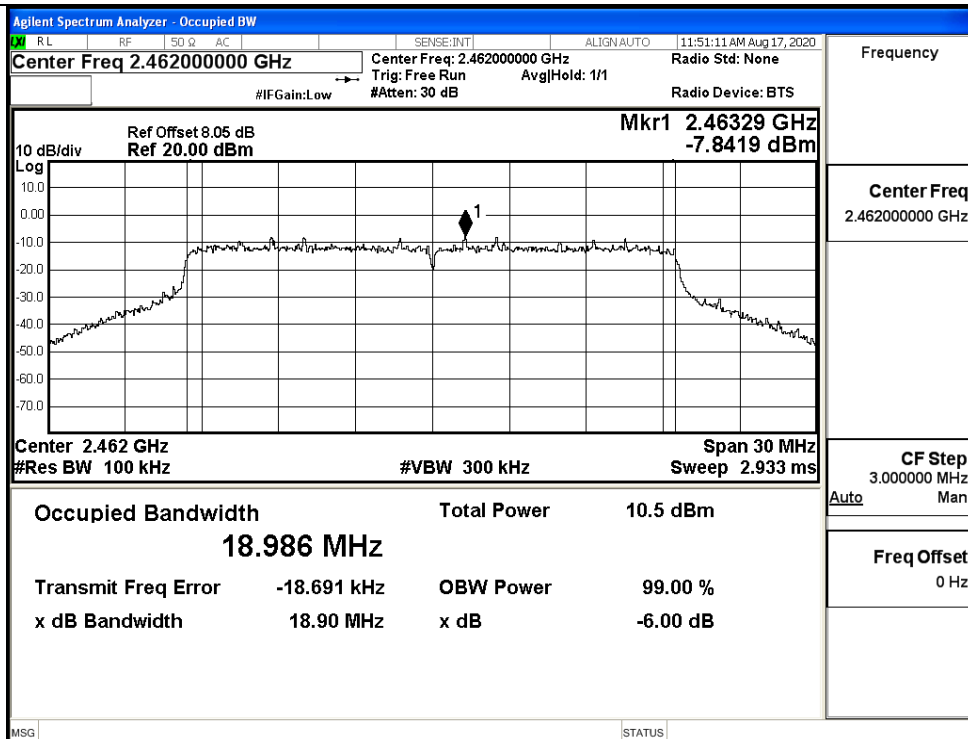
11N20 /LCH



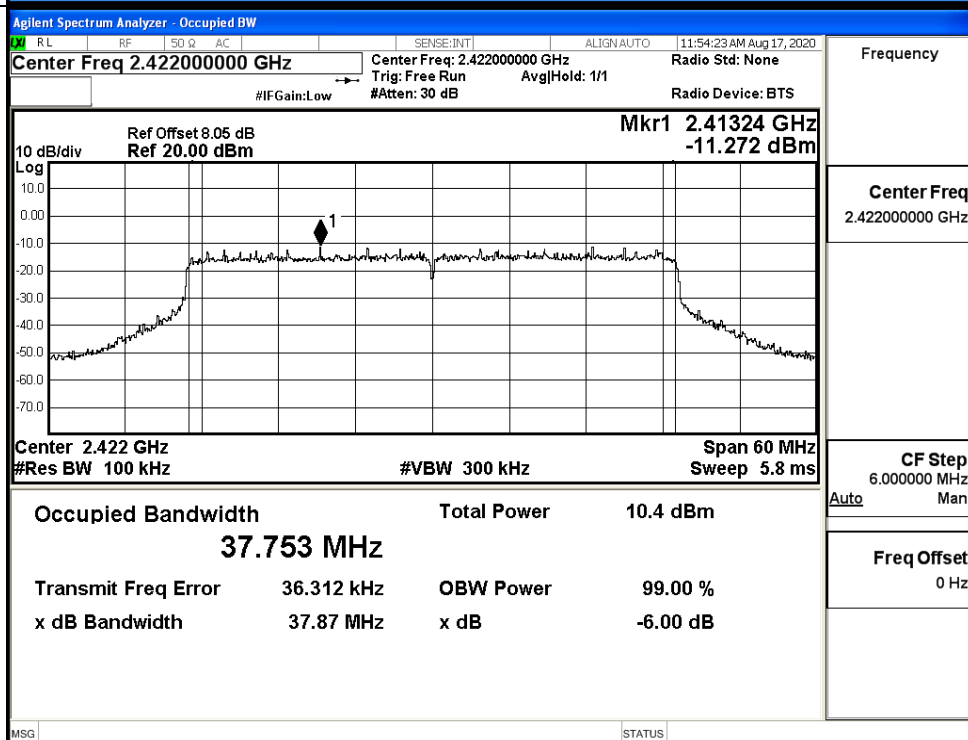
11N20 /MCH



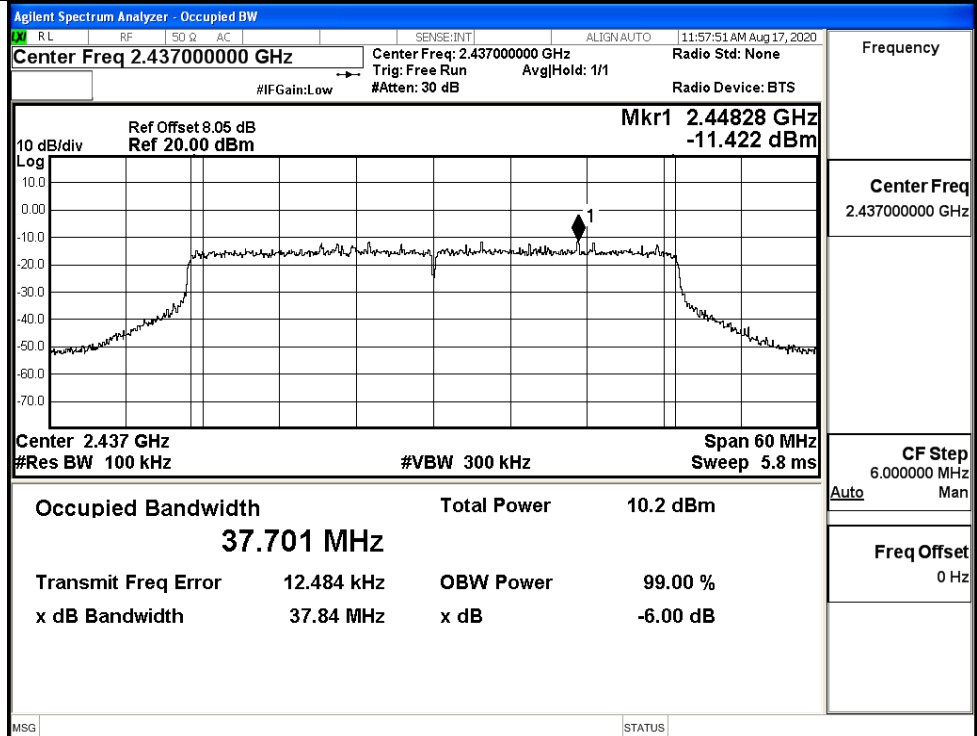
11N20 /HCH



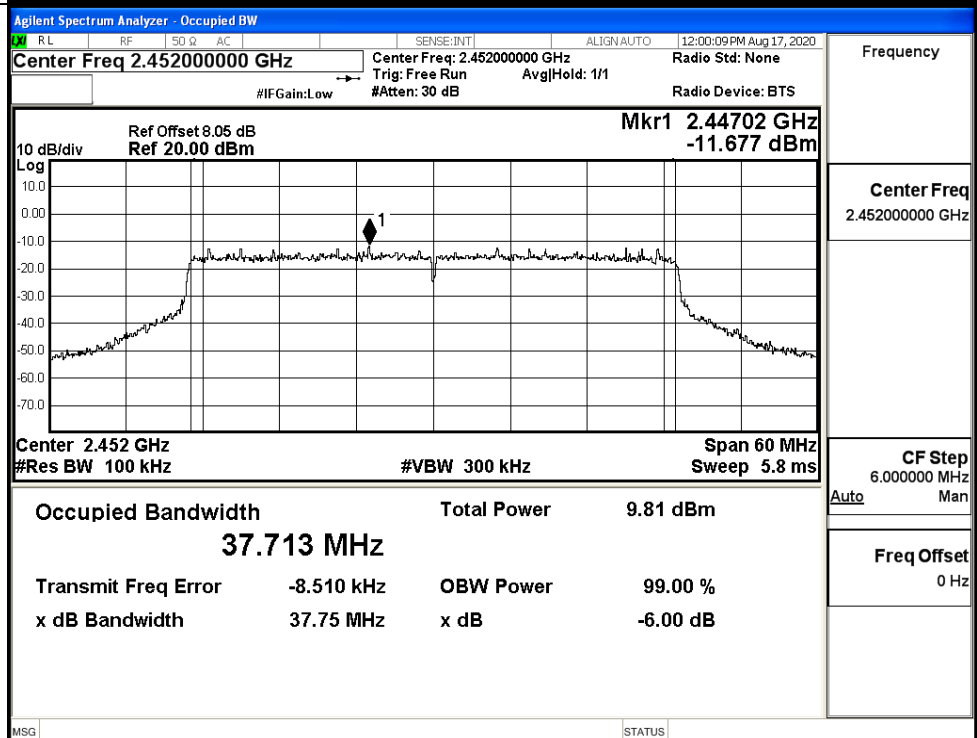
11N40 /LCH



11N40 /MCH



11N40 /HCH



C.5 RF Conducted Spurious Emissions

Ant0

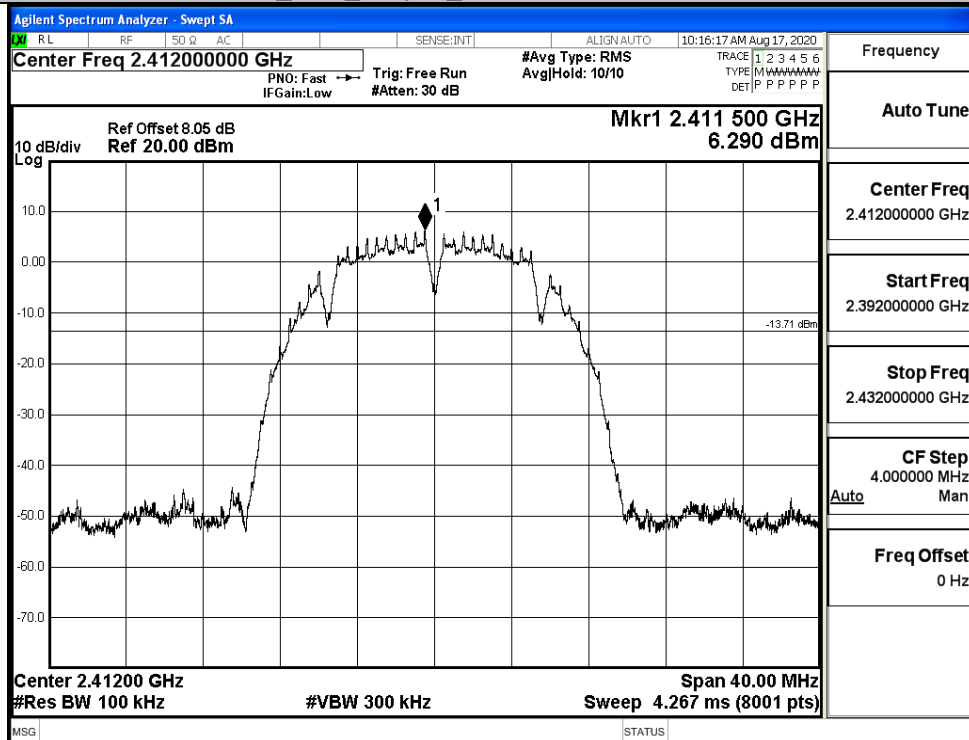
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.29	-37.277	-13.710	PASS
	MCH	6.102	-38.172	-13.898	PASS
	HCH	4.775	-37.713	-15.225	PASS
11G	LCH	-6.49	-37.882	-26.490	PASS
	MCH	-6.523	-37.914	-26.523	PASS
	HCH	-6.097	-38.289	-26.097	PASS
11N20	LCH	-6.687	-37.744	-26.687	PASS
	MCH	-7.067	-38.139	-27.067	PASS
	HCH	-7.042	-38.203	-27.042	PASS
11N40	LCH	-10.888	-37.495	-30.888	PASS
	MCH	-10.751	-38.064	-30.751	PASS
	HCH	-10.831	-36.591	-30.831	PASS

Ant1

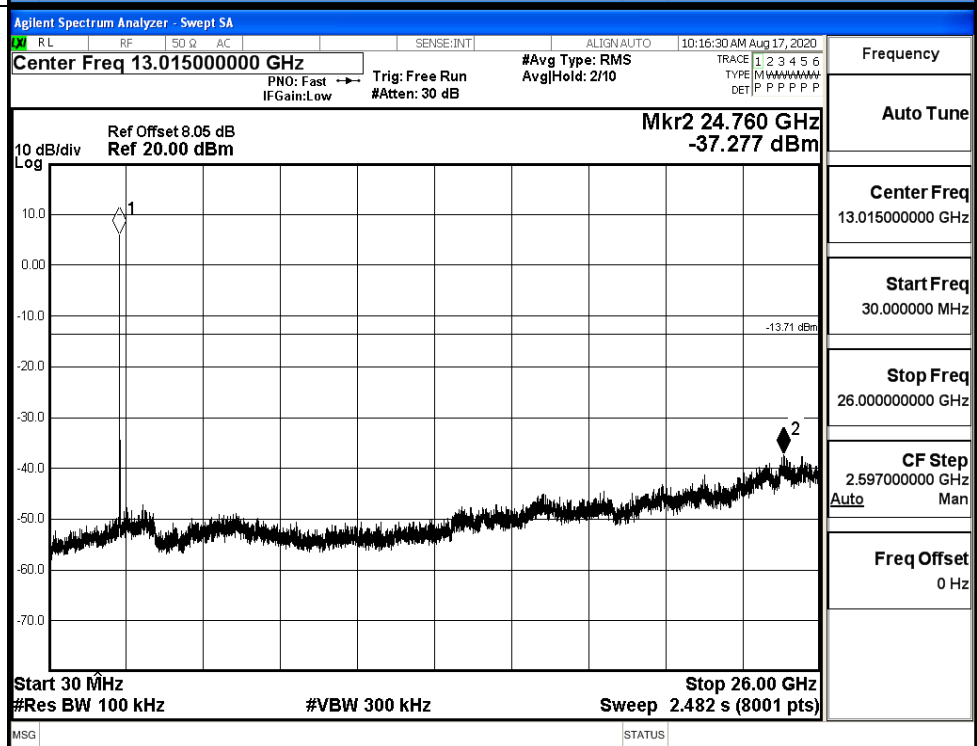
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.623	-37.776	-17.377	PASS
	MCH	1.727	-37.399	-18.273	PASS
	HCH	2.09	-38.472	-17.910	PASS
11G	LCH	0.437	-37.699	-19.563	PASS
	MCH	-6.733	-38.363	-26.733	PASS
	HCH	-6.661	-38.132	-26.661	PASS
11N20	LCH	-7.391	-36.901	-27.391	PASS
	MCH	-7.639	-37.921	-27.639	PASS
	HCH	-8.004	-38.244	-28.004	PASS
11N40	LCH	-11.602	-37.853	-31.602	PASS
	MCH	-11.618	-37.611	-31.618	PASS
	HCH	-11.597	-38.196	-31.597	PASS

11B_LCH_Graphs_Ant0

Pref/11B/LCH

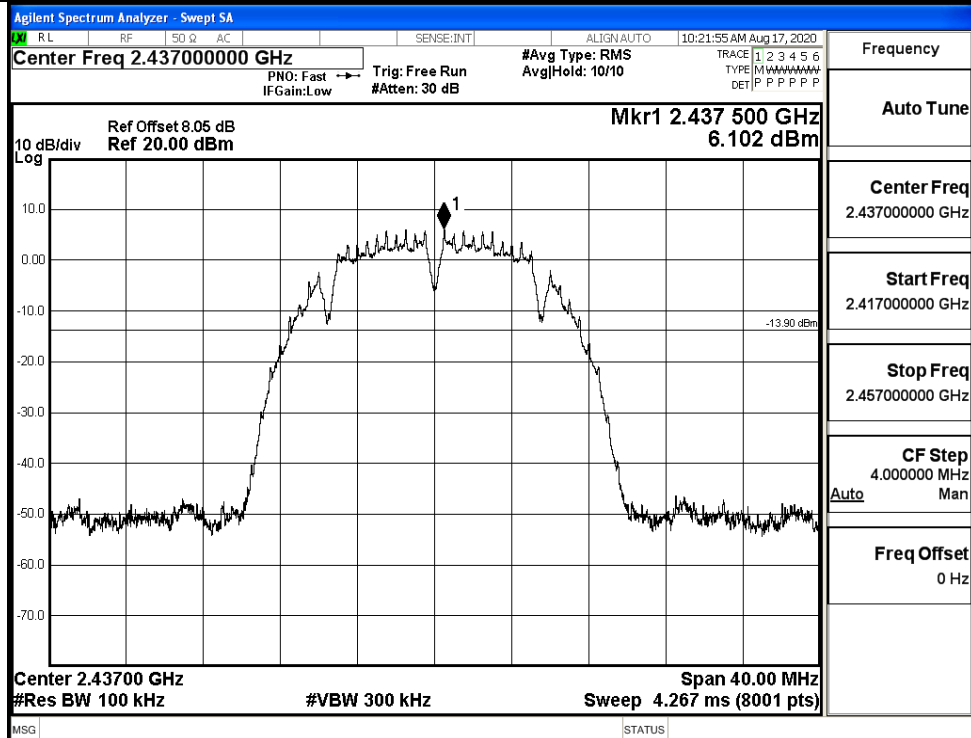


Puw/11B/LCH

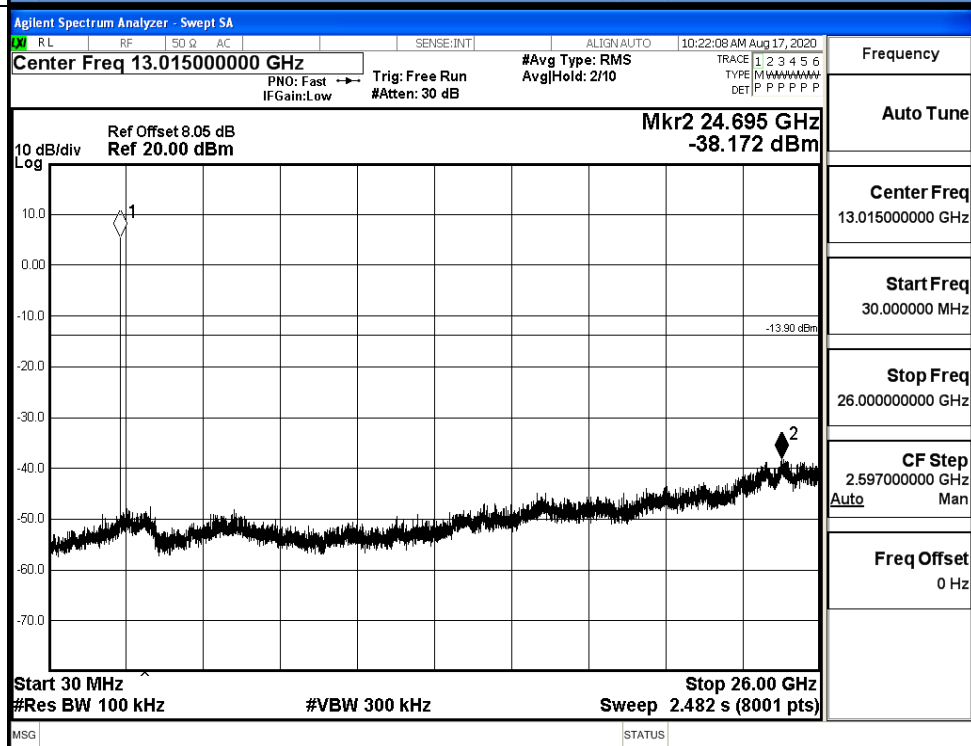


11B MCH Graphs

Pref/11B/MCH

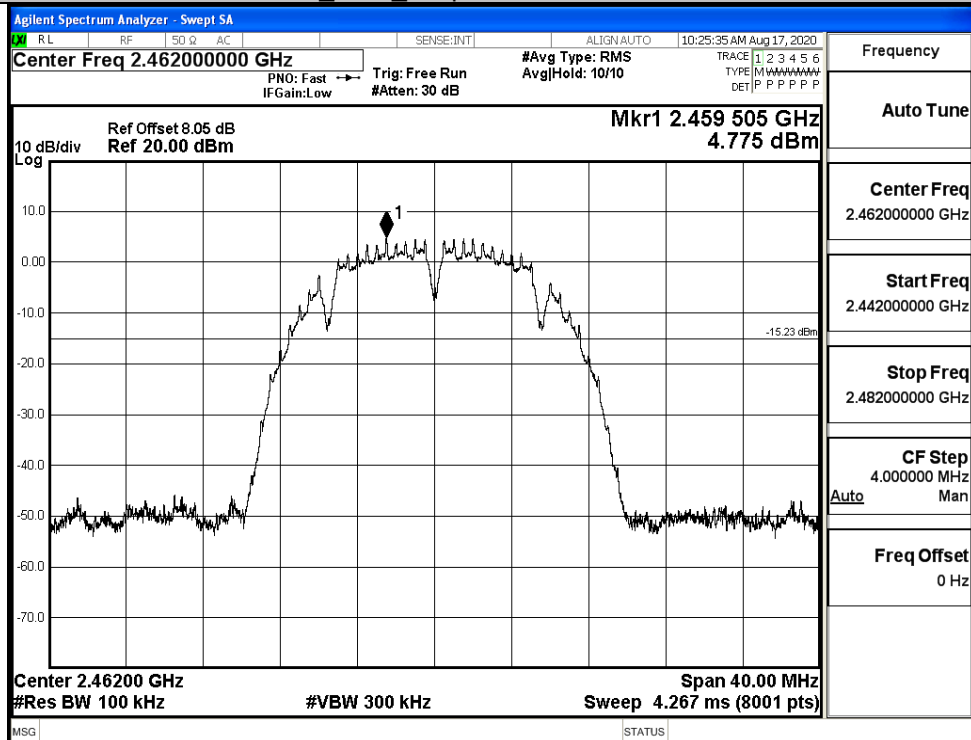


Puw/11B/MCH

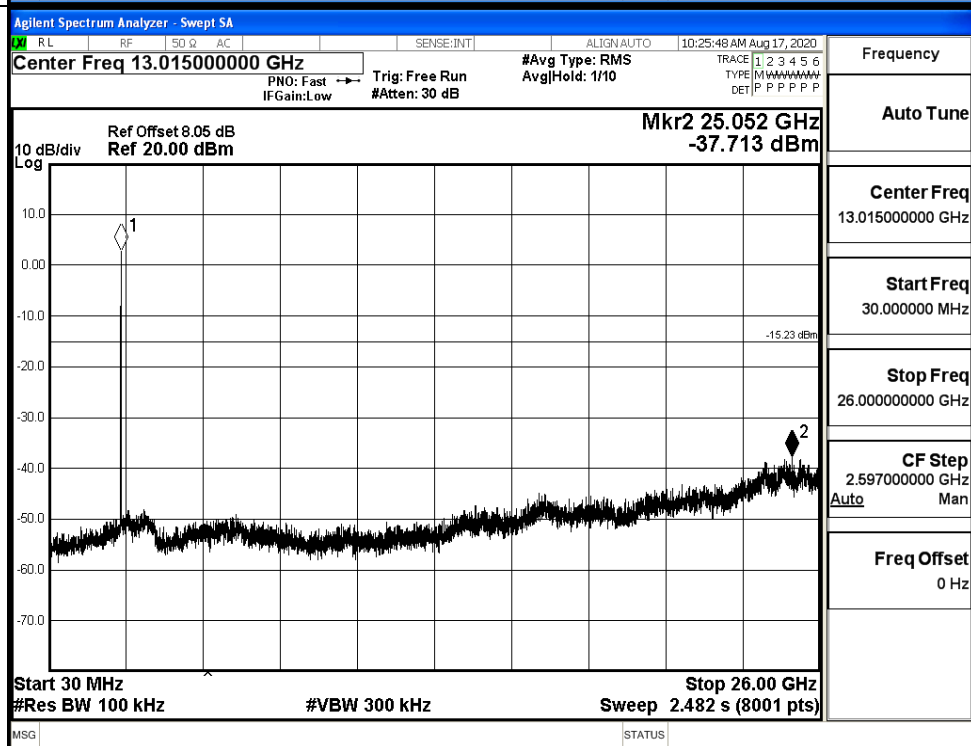


11B HCH Graphs

Pref/11B/HCH

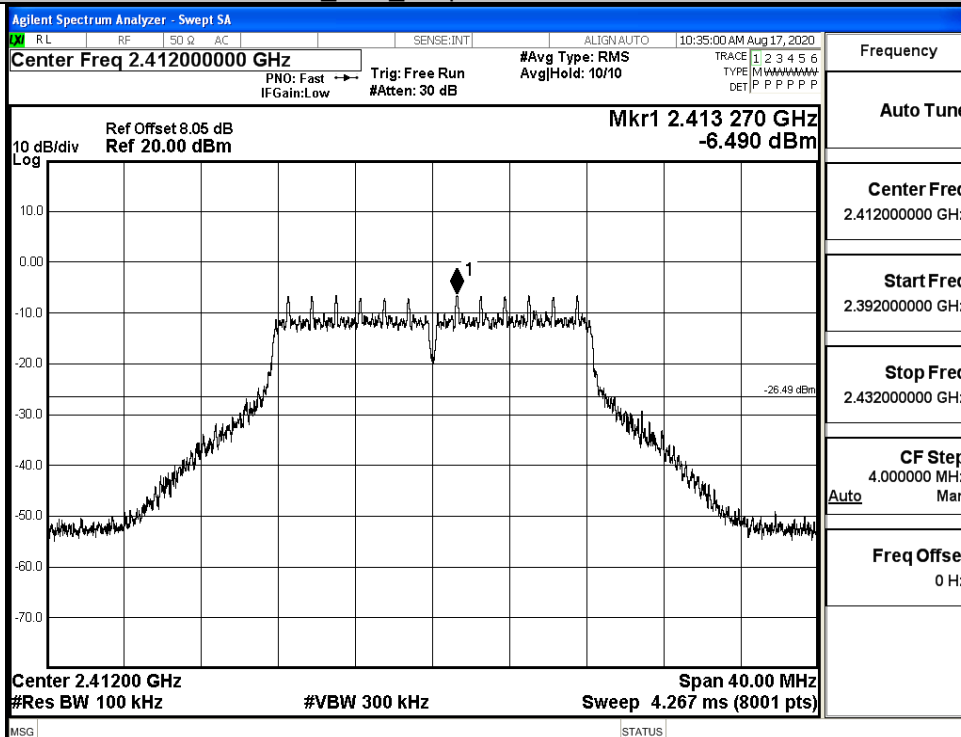


Puw/11B/HCH

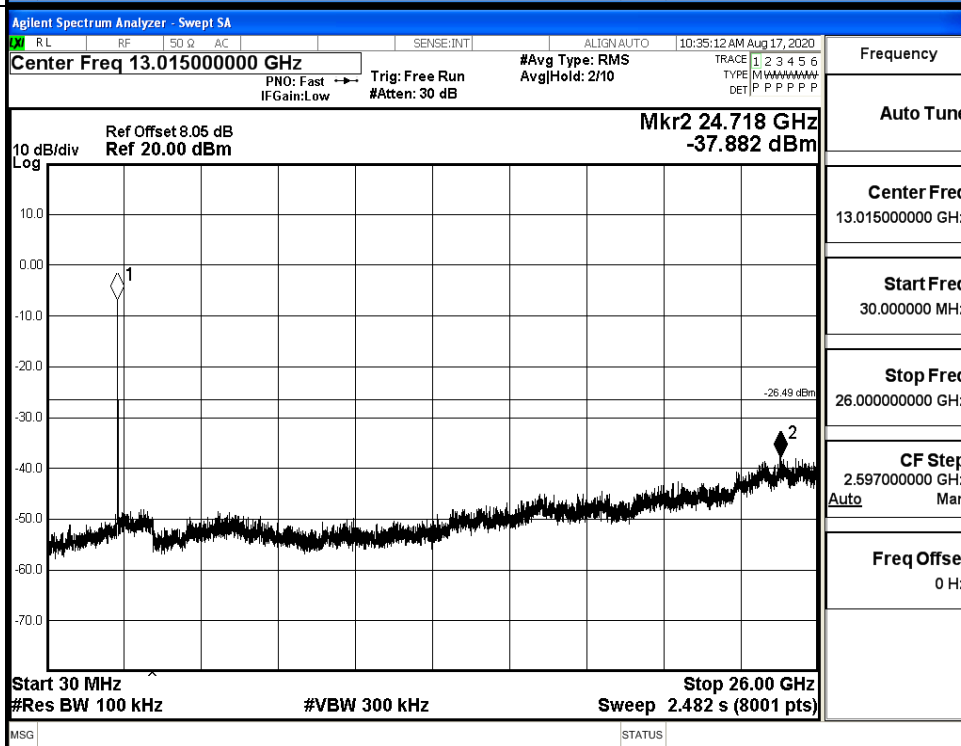


11G LCH Graphs

Pref/11G/LCH

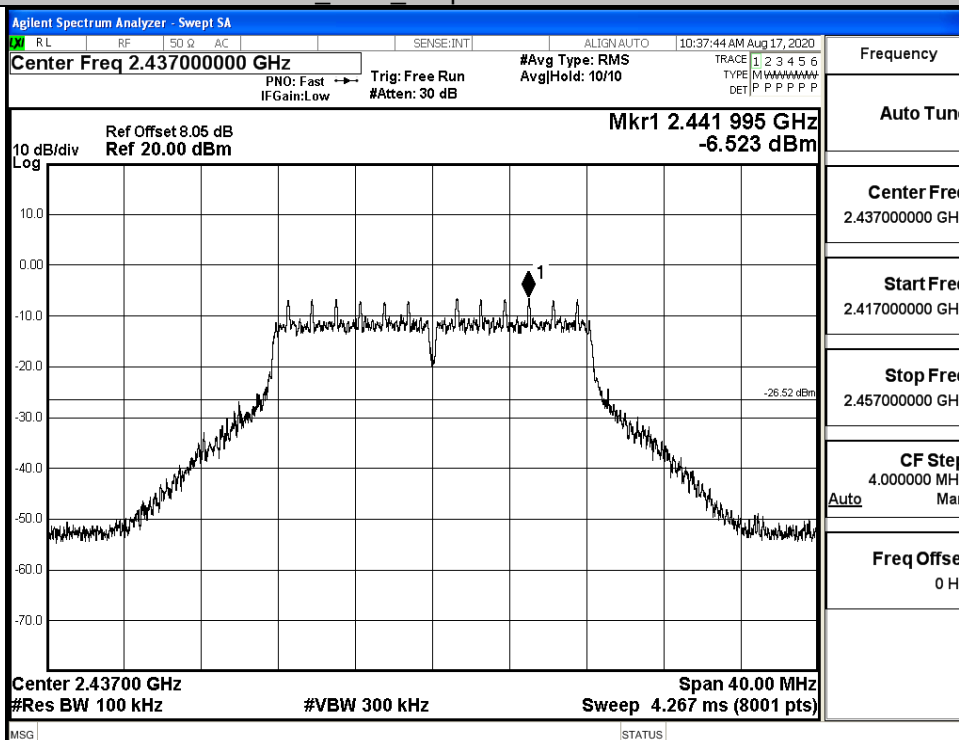


Puw/11G/LCH

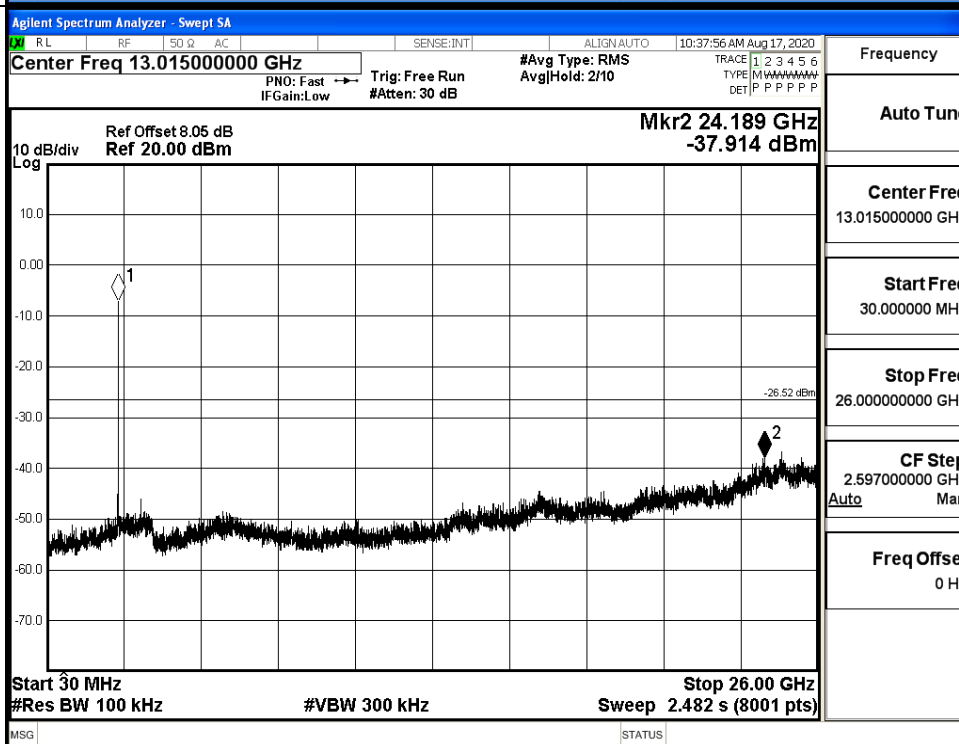


11G MCH Graphs

Pref/11G/MCH

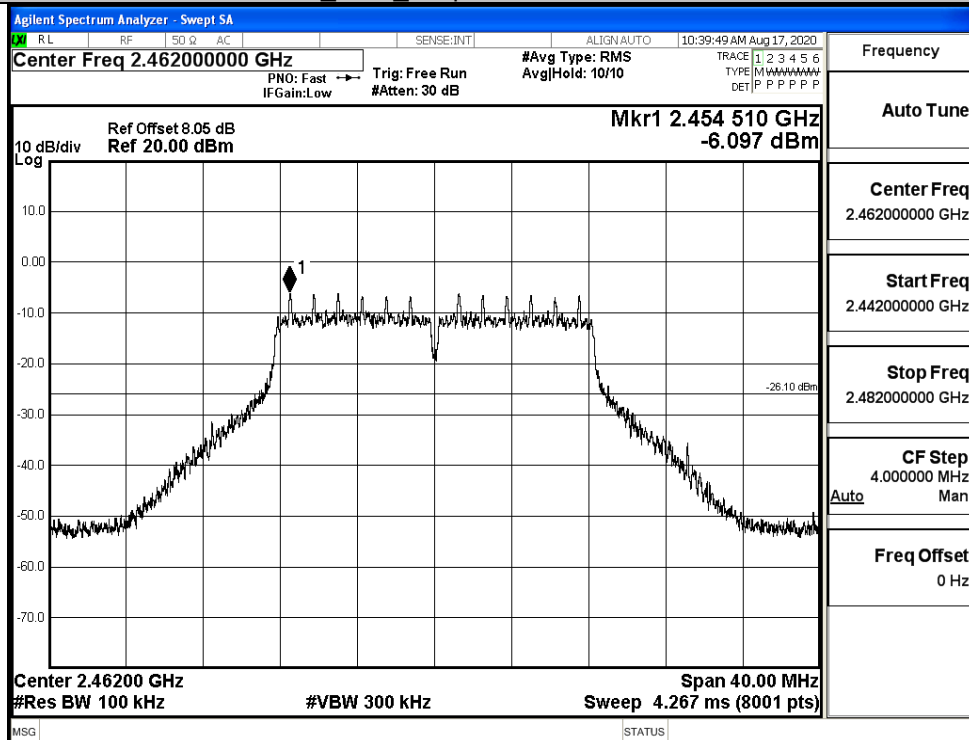


Puw/11G/MCH

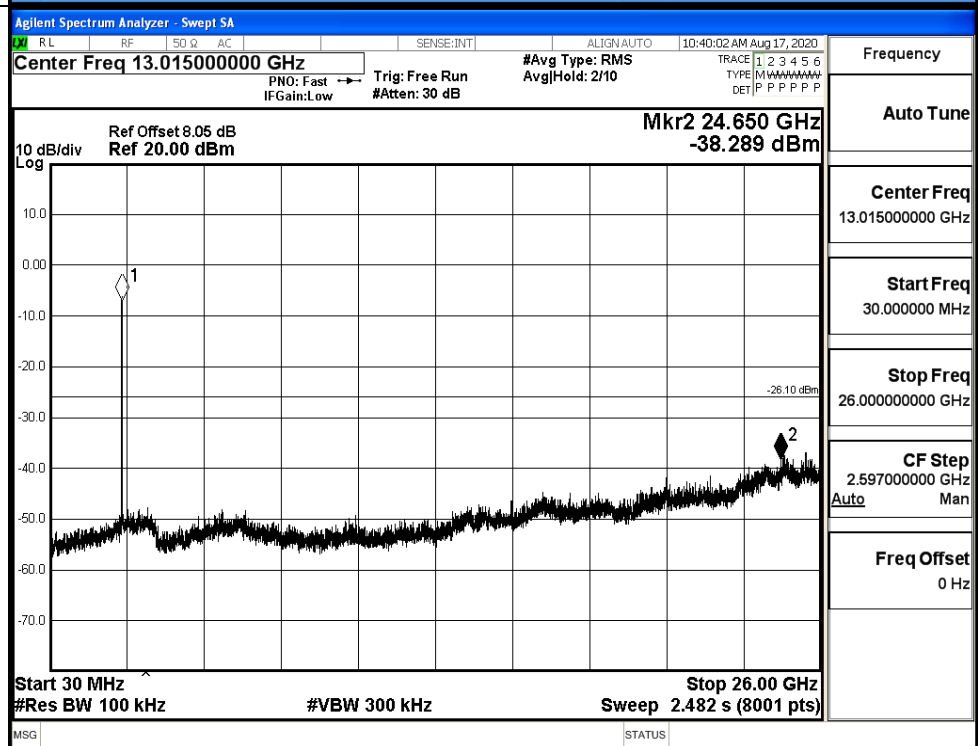


11G HCH Graphs

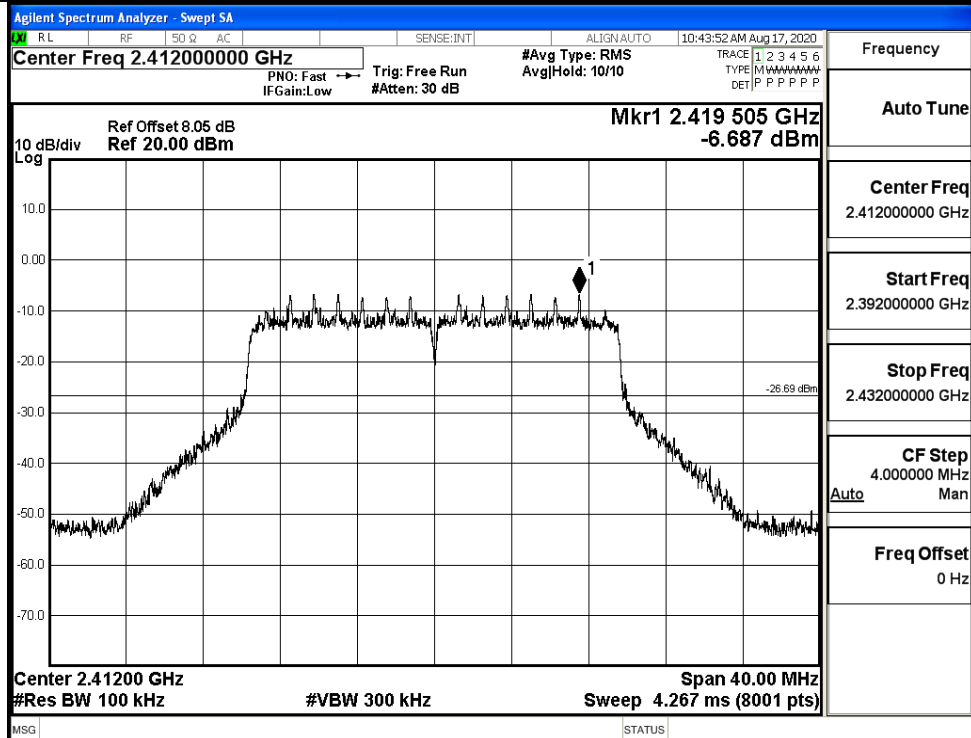
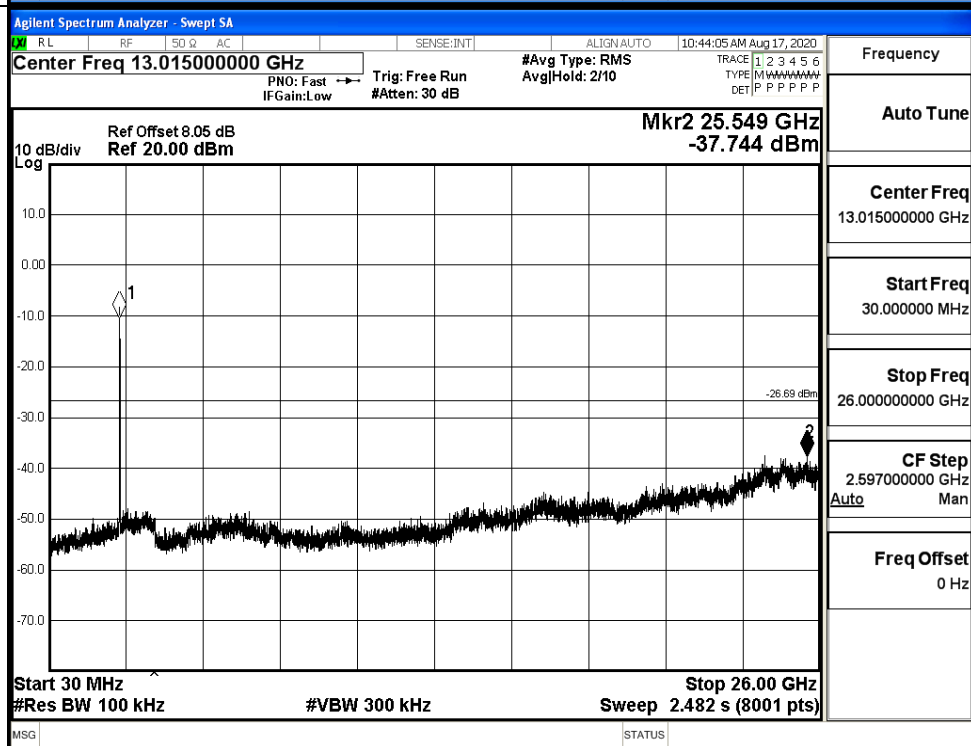
Pref/11G/HCH



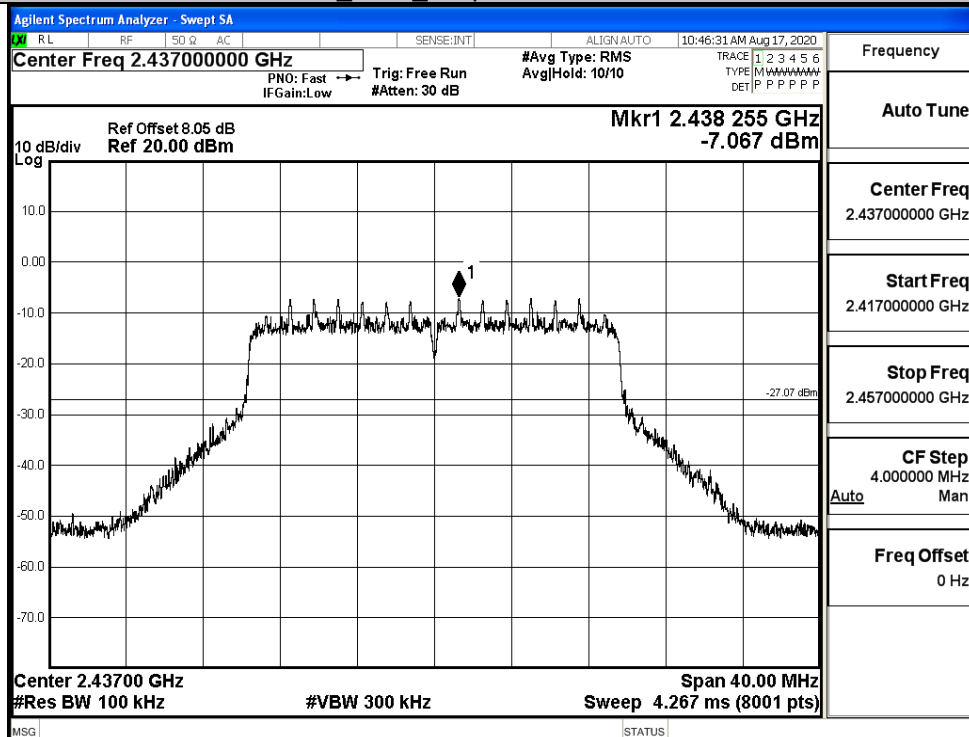
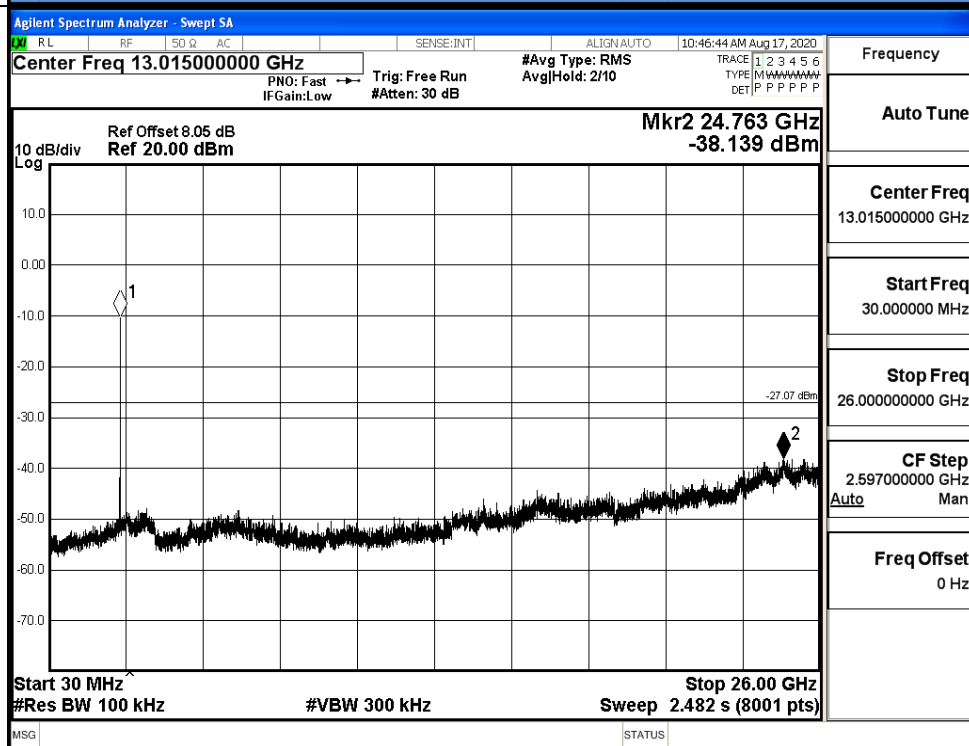
Puw/11G/HCH



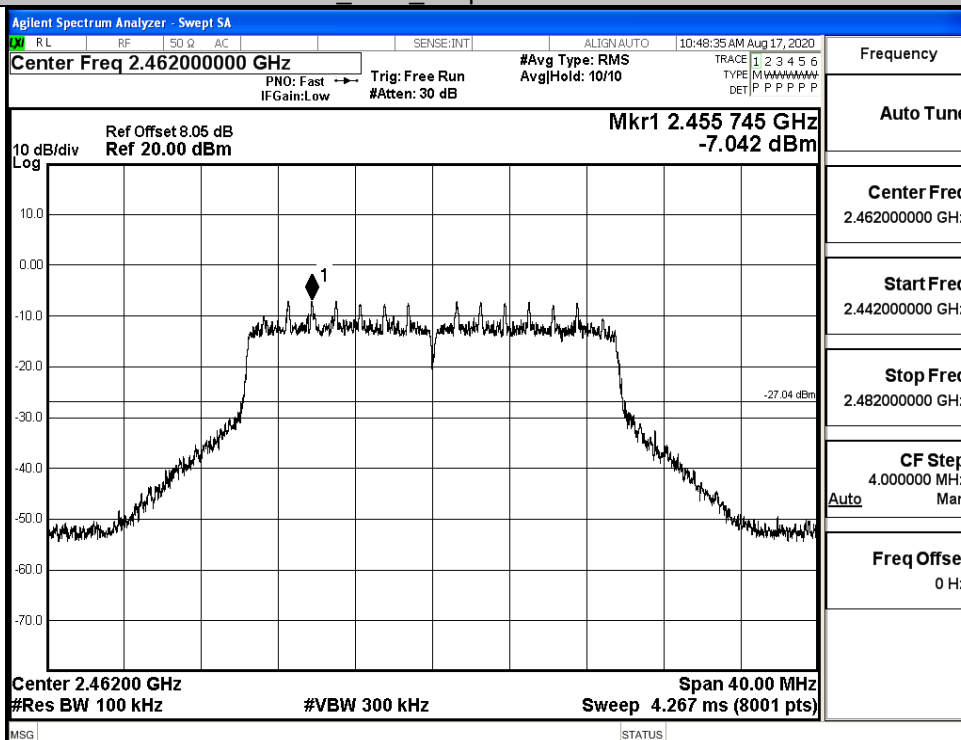
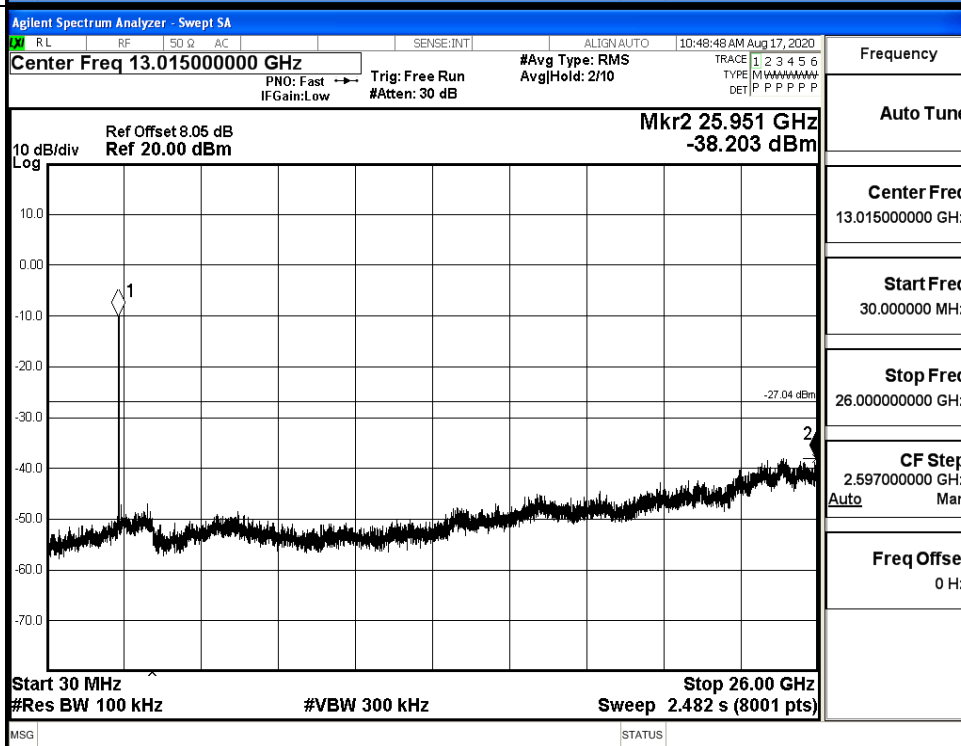
11N20_LCH_Graphs

Pref/11N20
/LCHPuw/11N20
/LCH

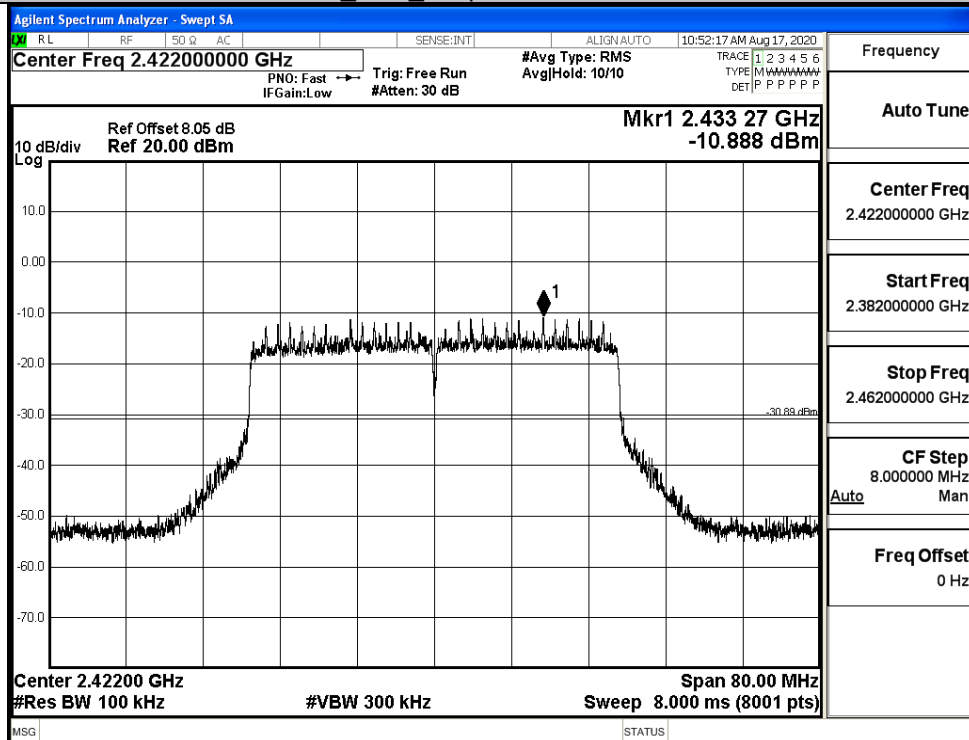
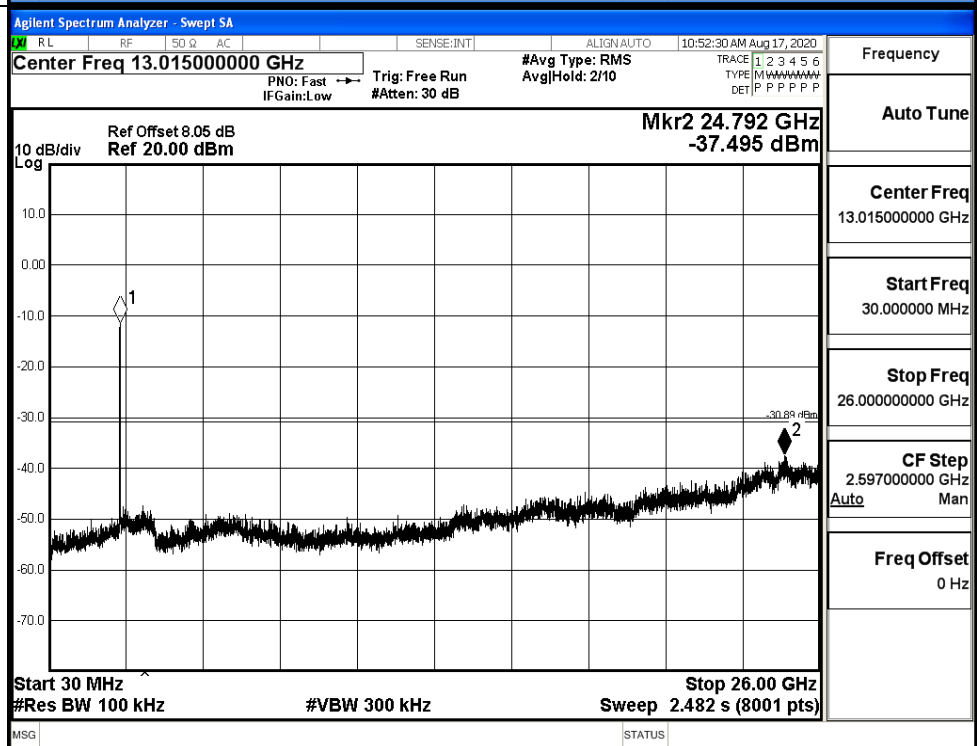
11N20 MCH Graphs

Pref/11N20
/MCHPuw/11N20
/MCH

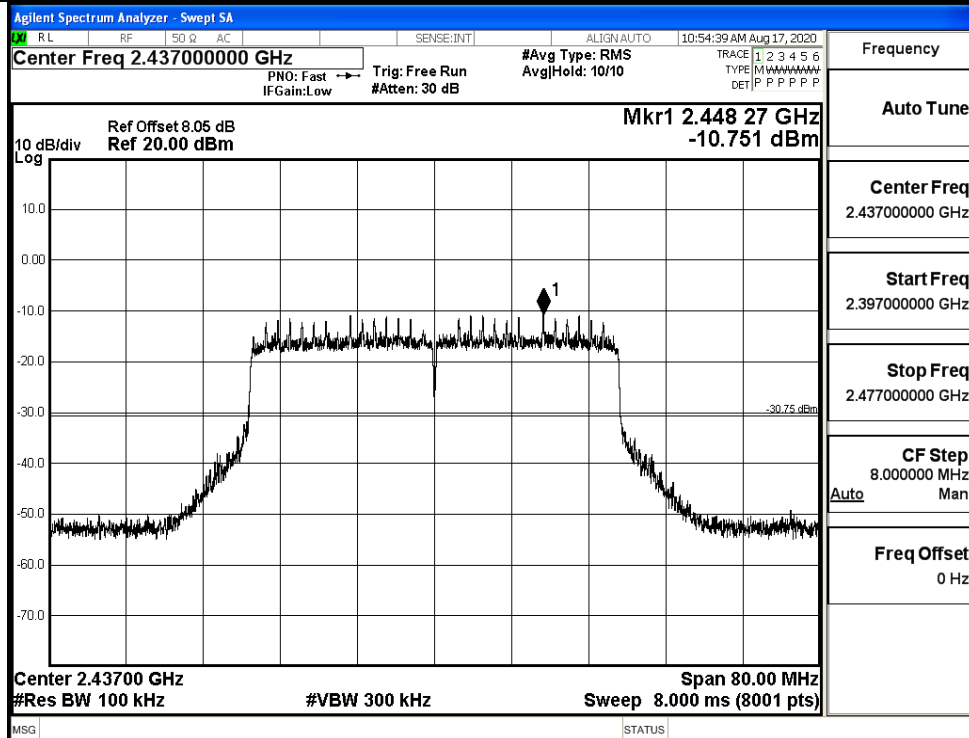
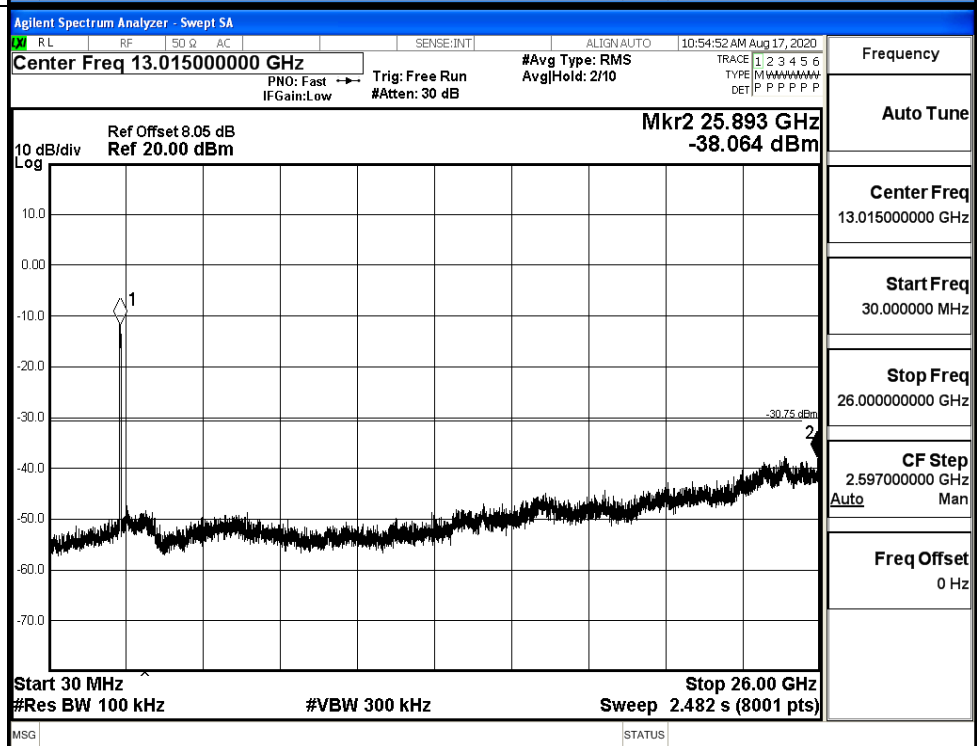
11N20 HCH Graphs

Pref/11N20
/HCHPuw/11N20
/HCH

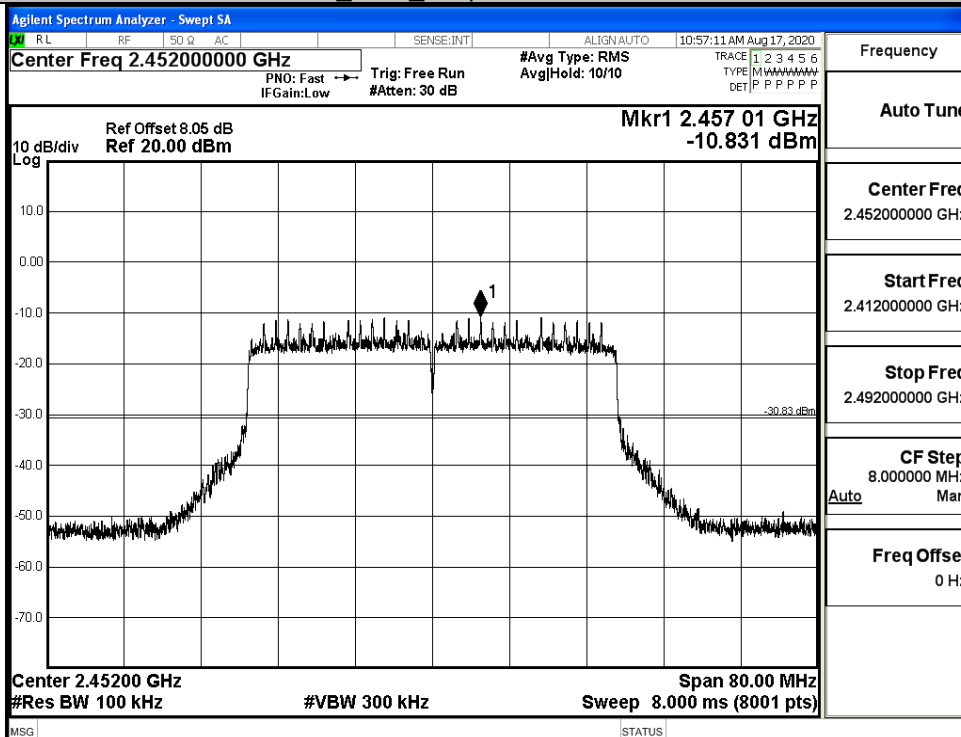
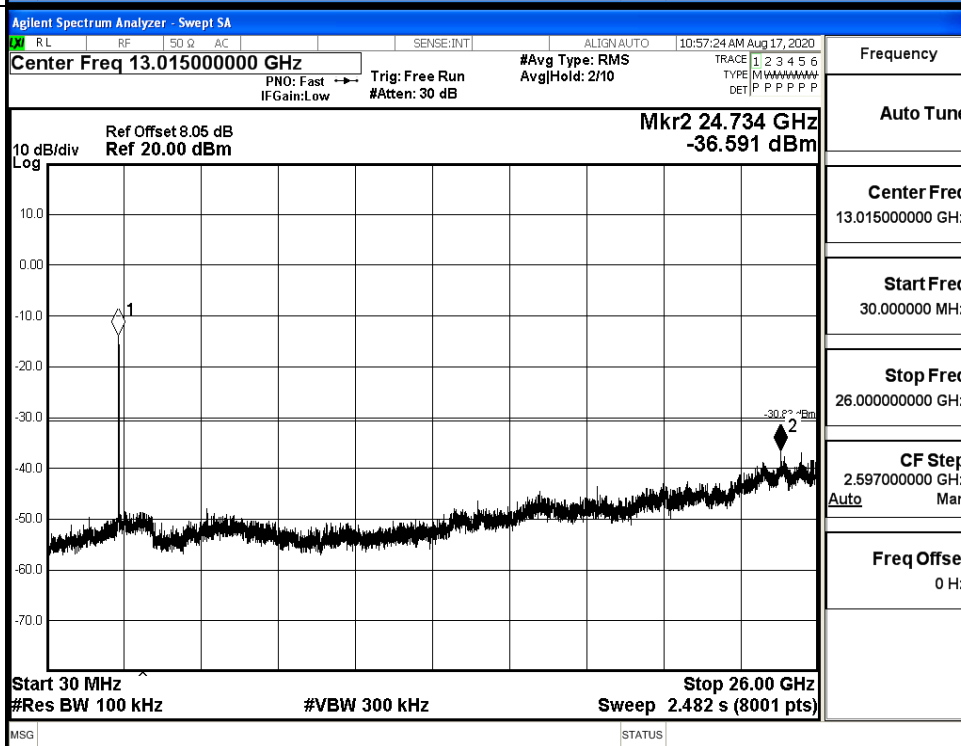
11N40 LCH Graphs

Pref/11N40
/LCHPuw/11N40
/LCH

11N40 MCH Graphs

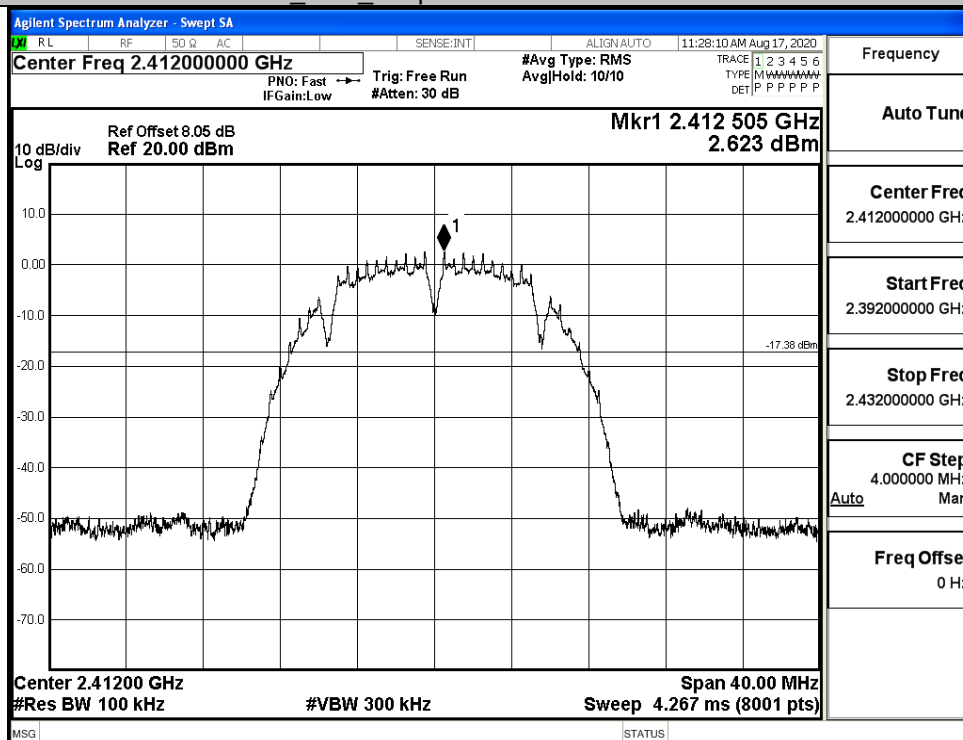
Pref/11N40
/MCHPuw/11N40
/MCH

11N40 HCH Graphs

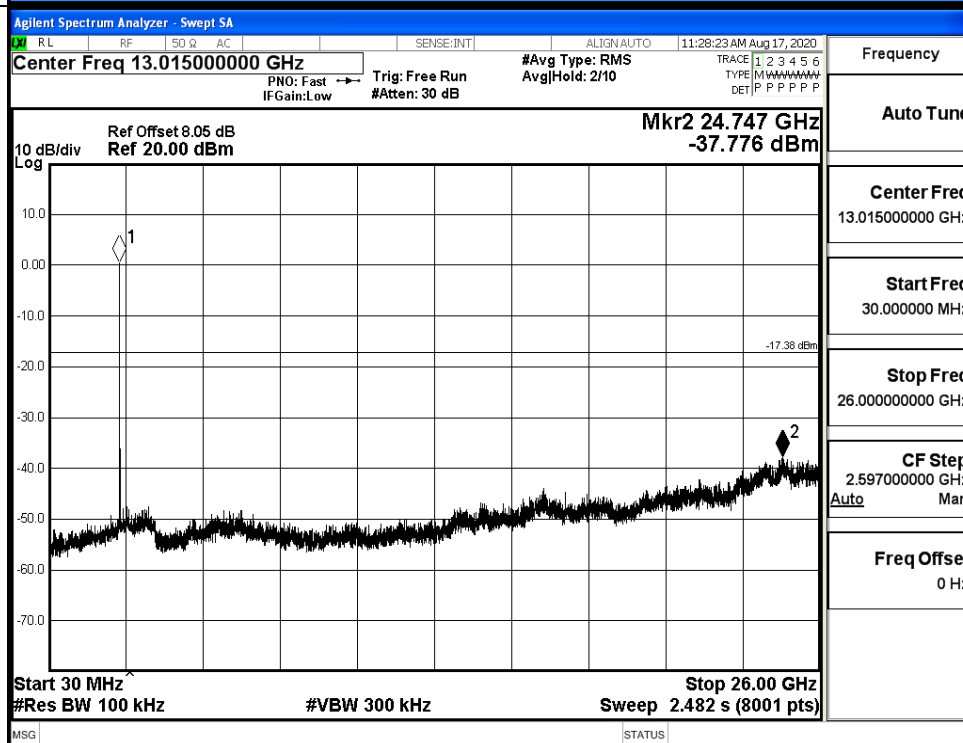
Pref/11N40
/HCHPuw/11N40
/HCH

11B LCH Graphs Ant1

Pref/11B/LCH

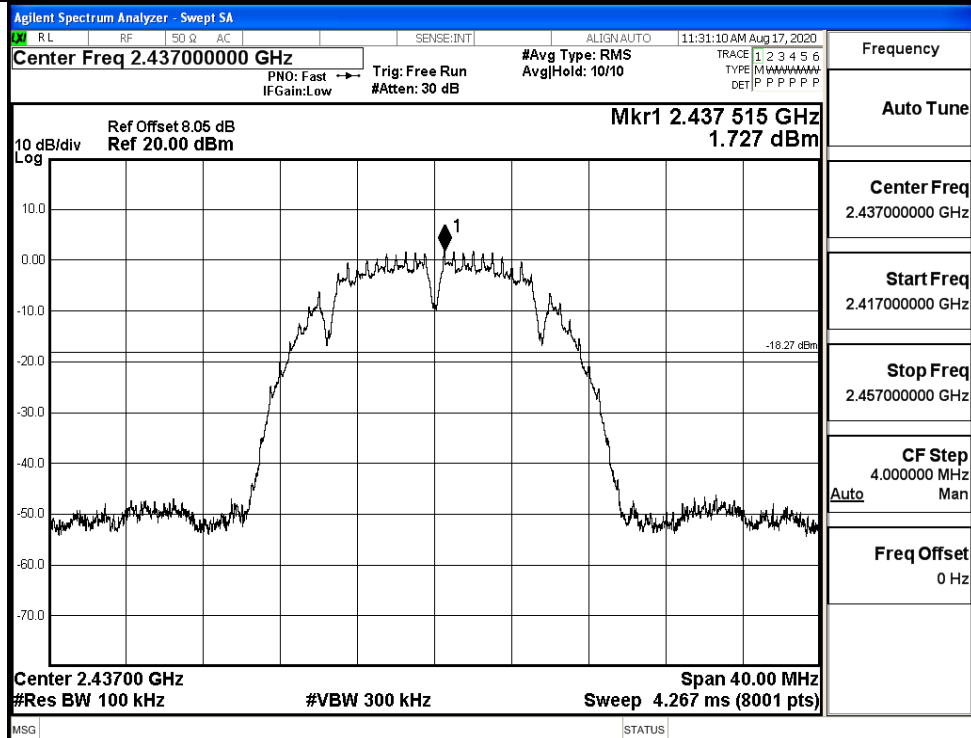


Puw/11B/LCH

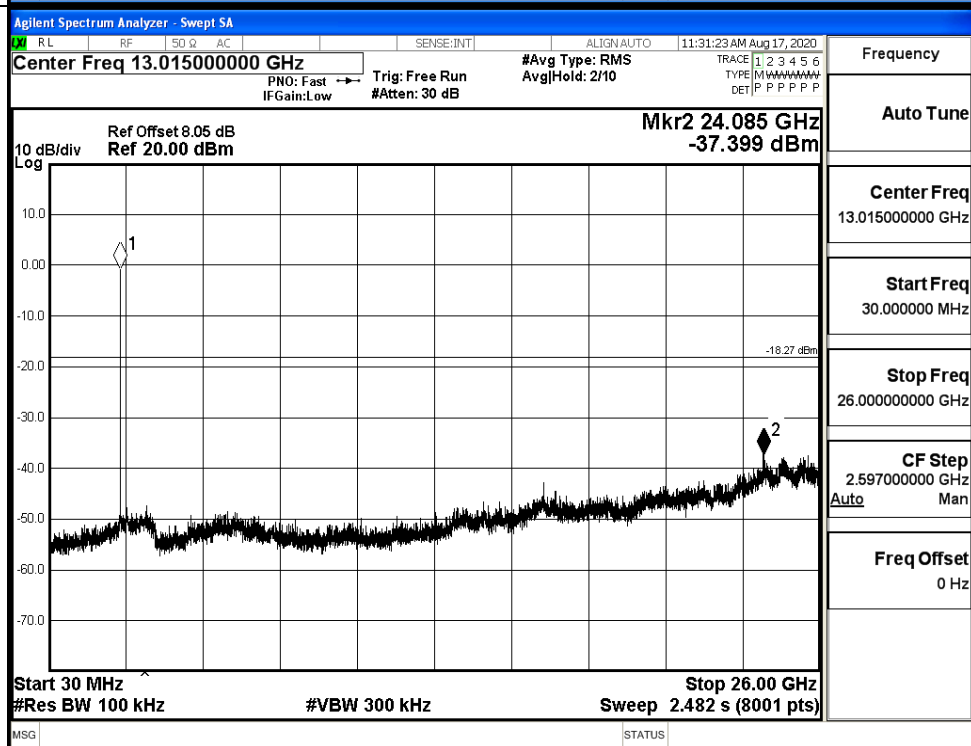


11B MCH Graphs

Pref/11B/MCH

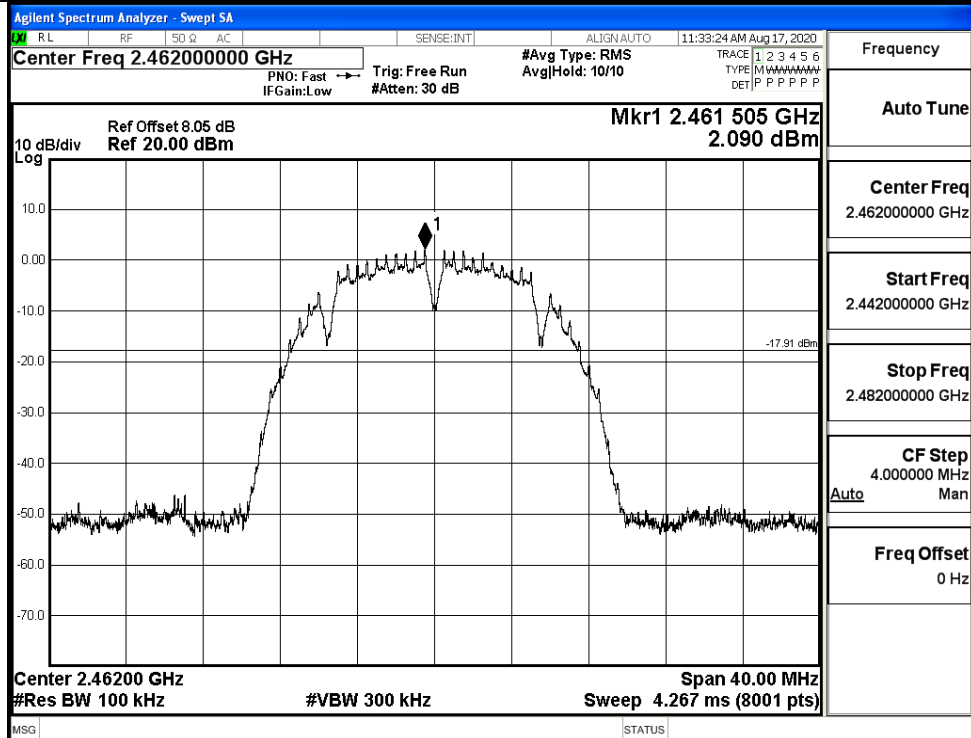


Puw/11B/MCH

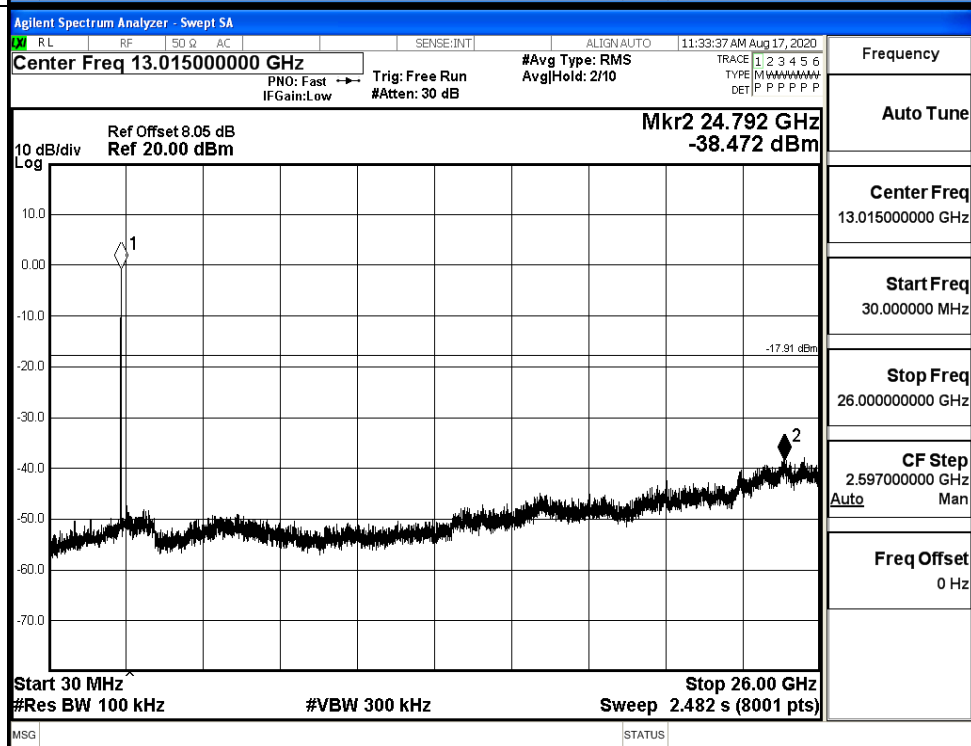


11B HCH Graphs

Pref/11B/HCH

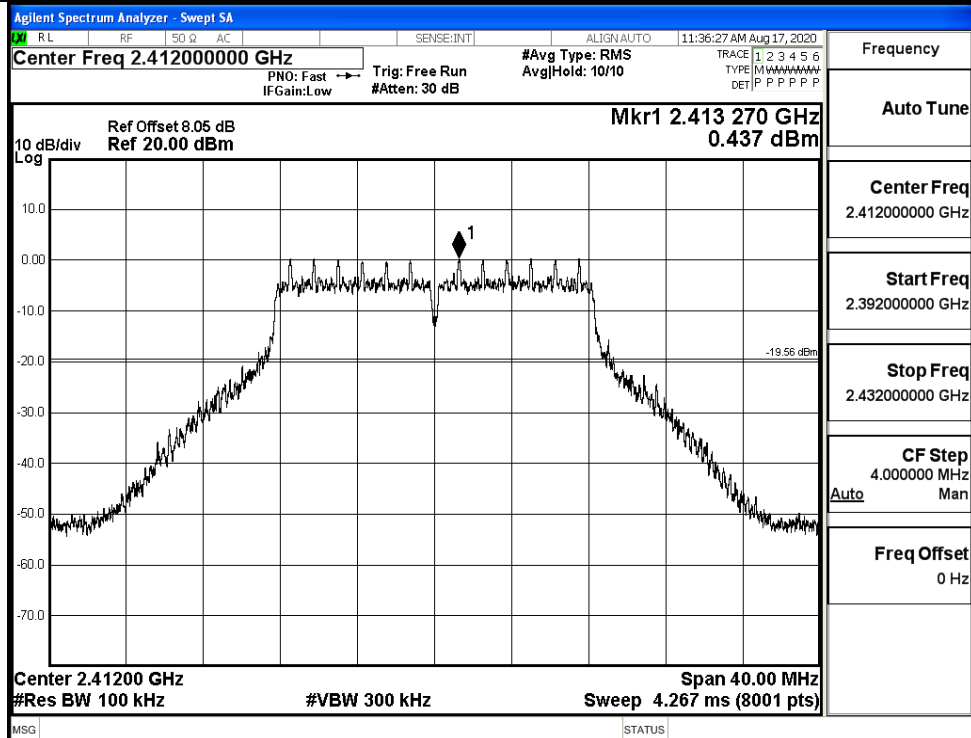


Puw/11B/HCH

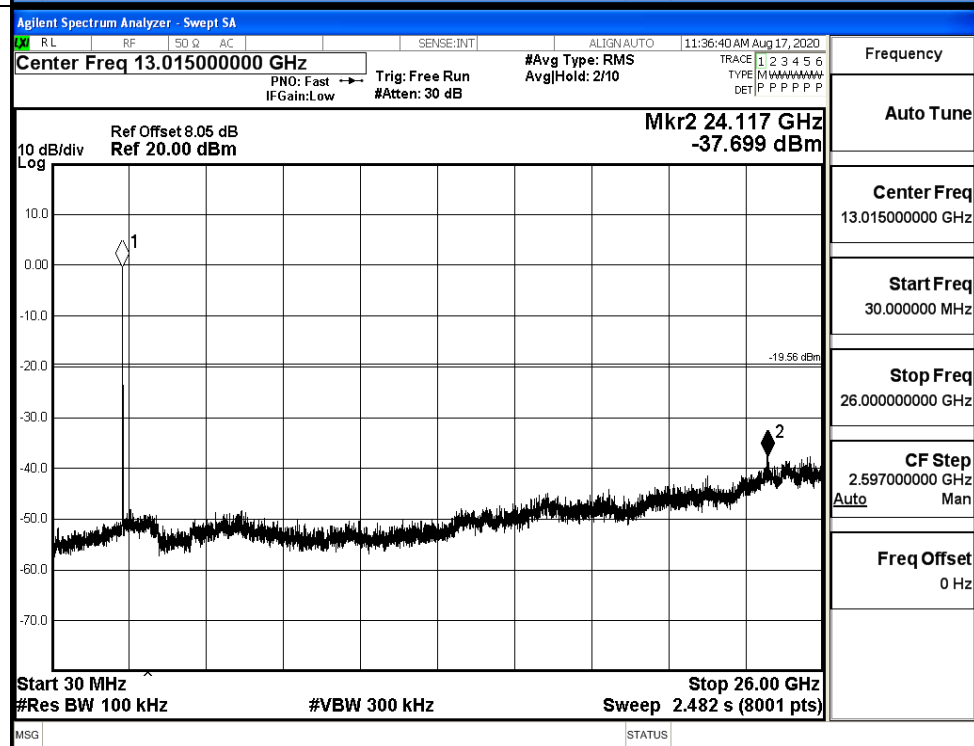


11G LCH Graphs

Pref/11G/LCH

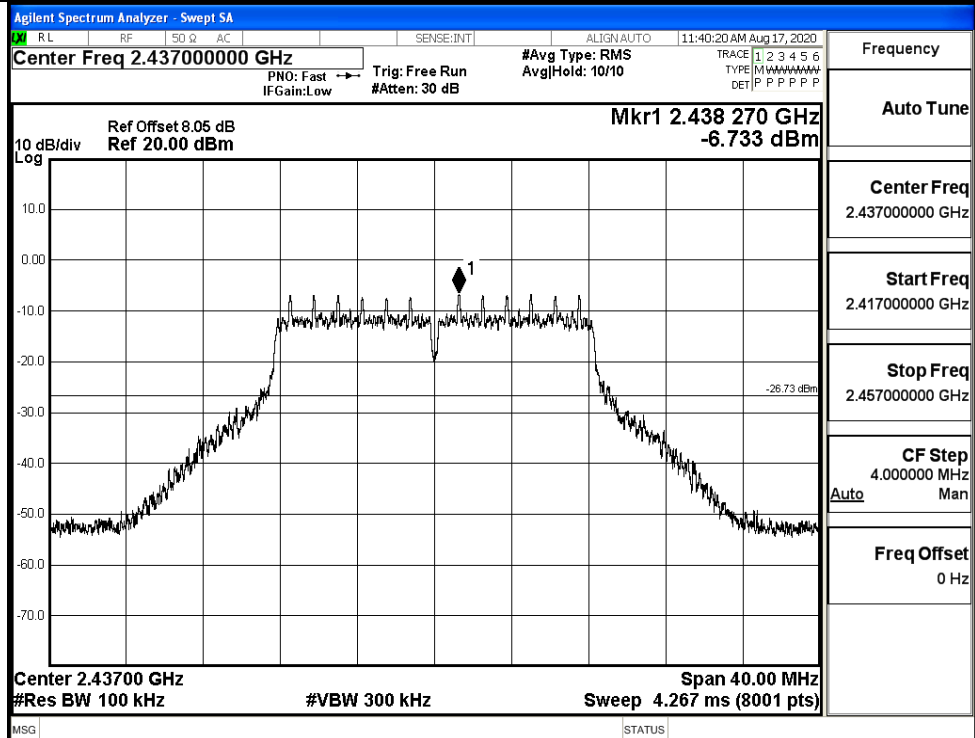


Puw/11G/LCH

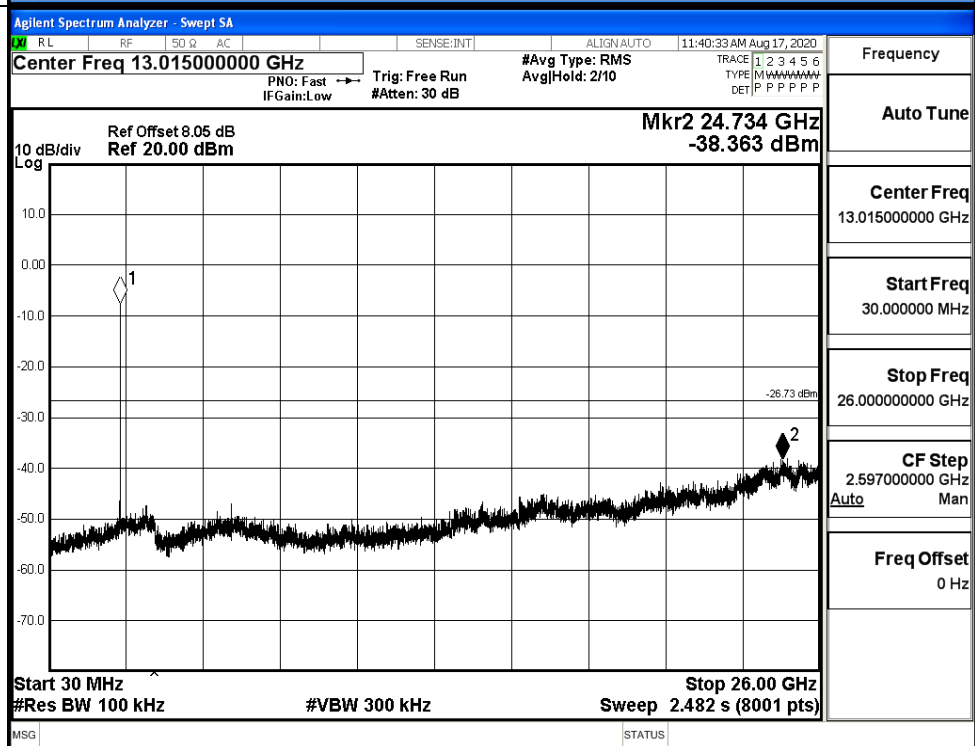


11G MCH Graphs

Pref/11G/MCH

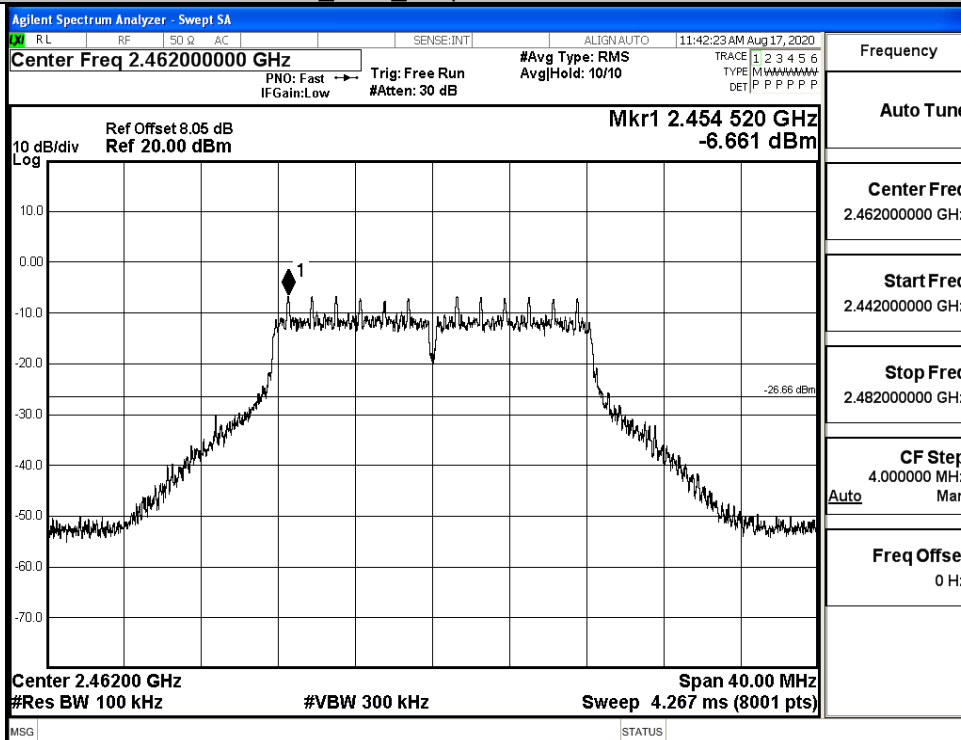


Puw/11G/MCH

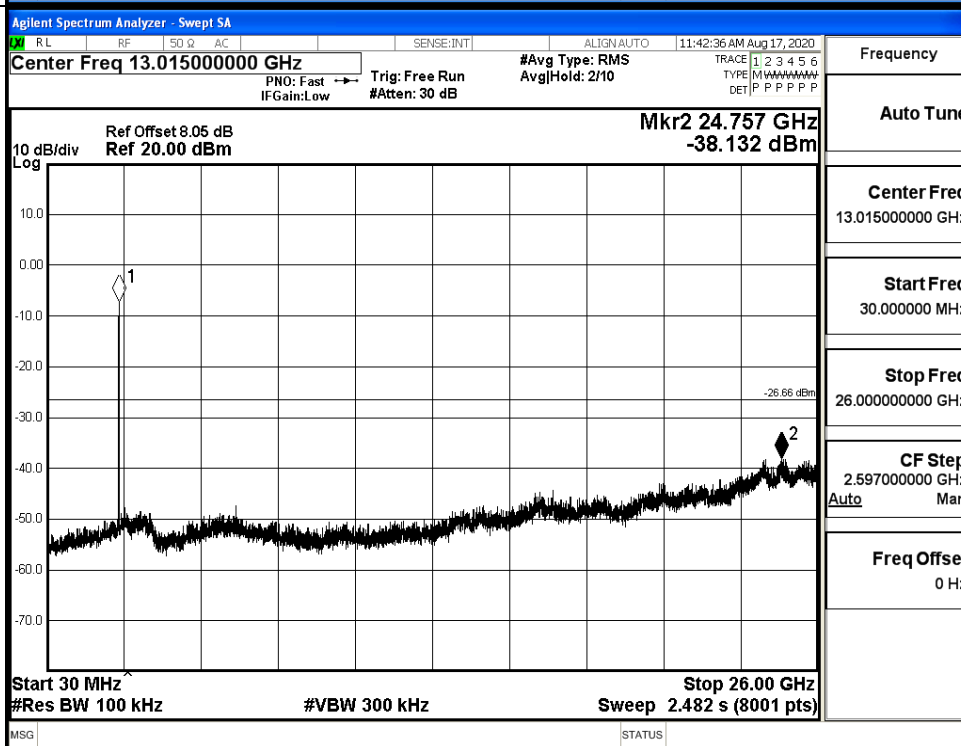


11G HCH Graphs

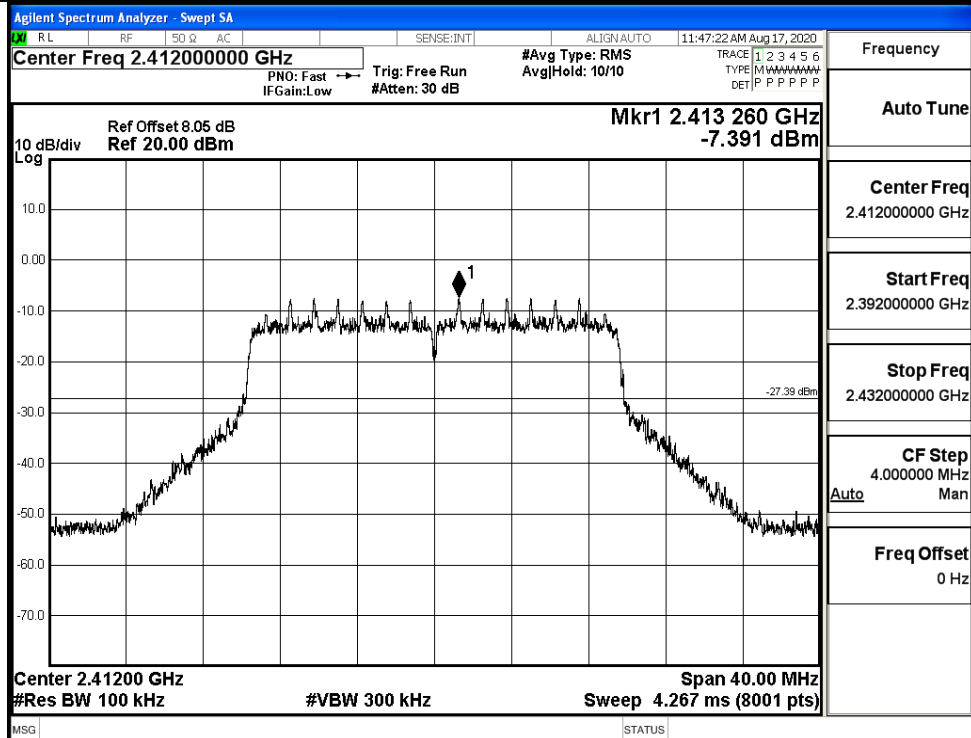
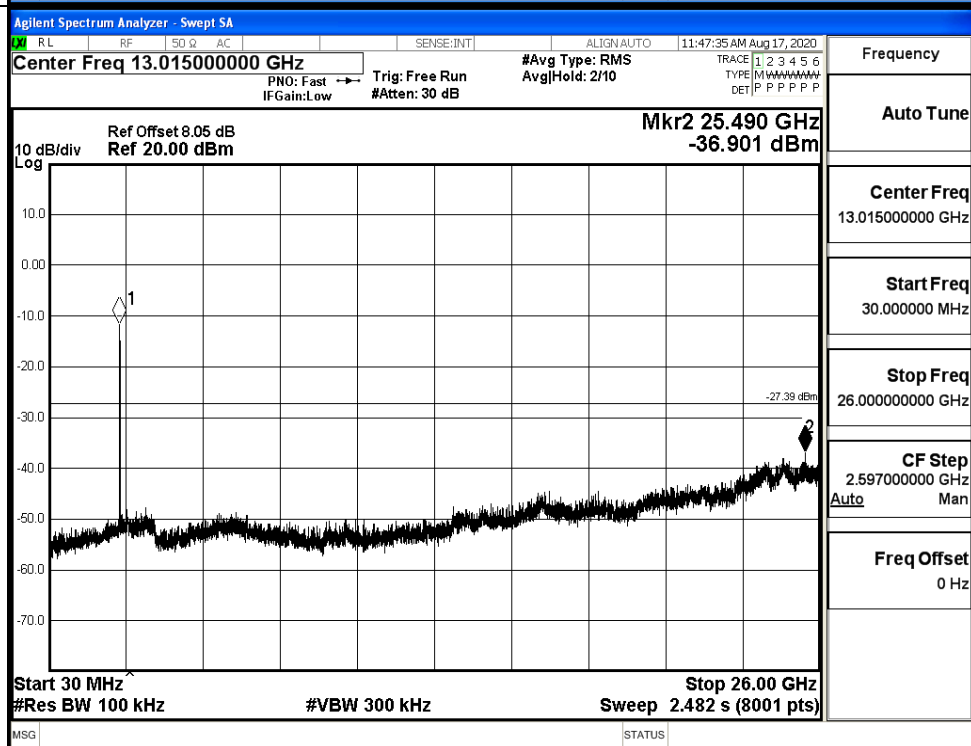
Pref/11G/HCH



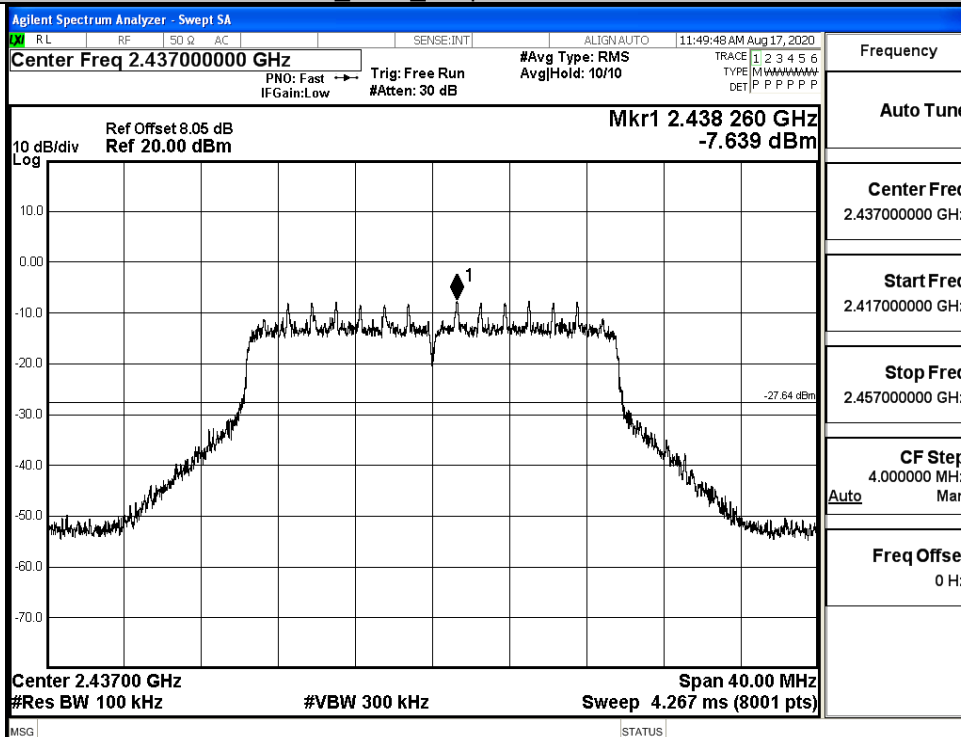
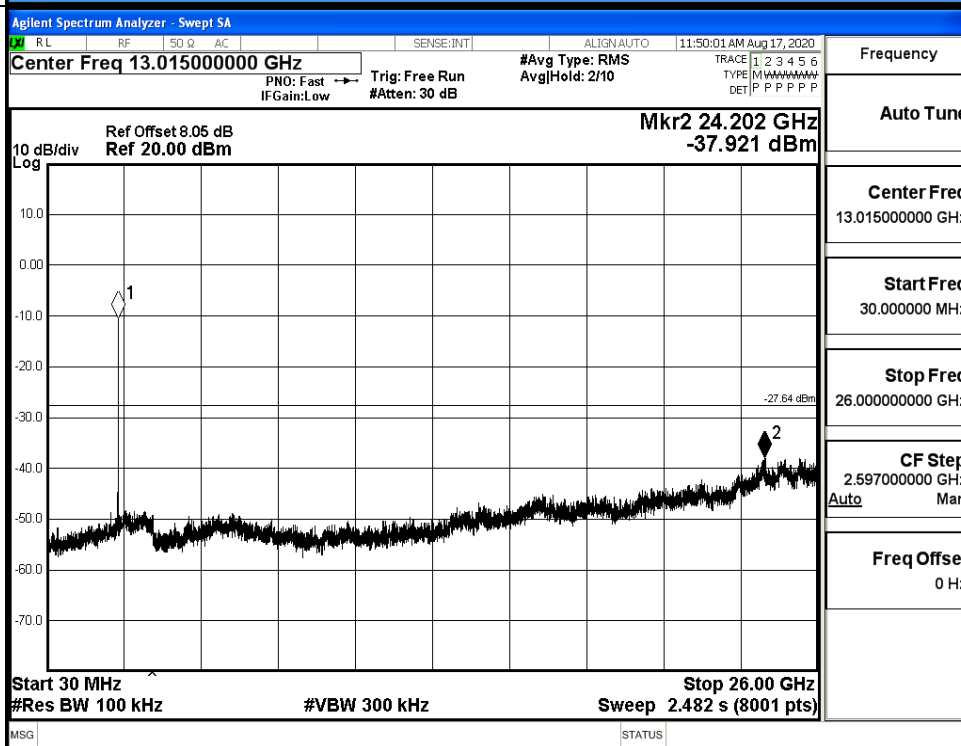
Puw/11G/HCH



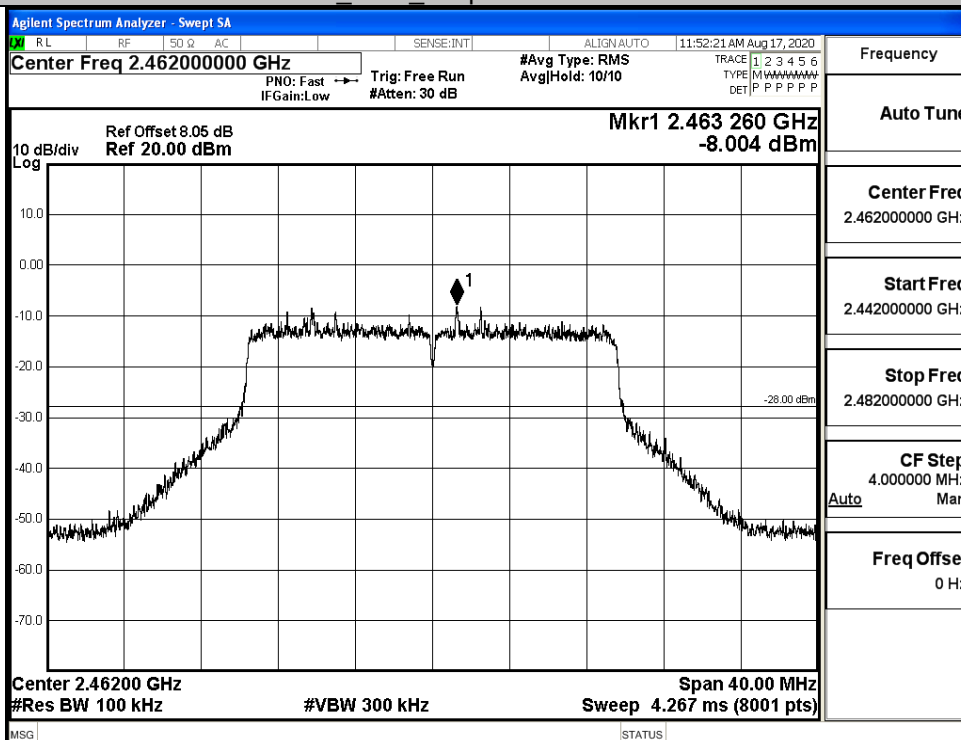
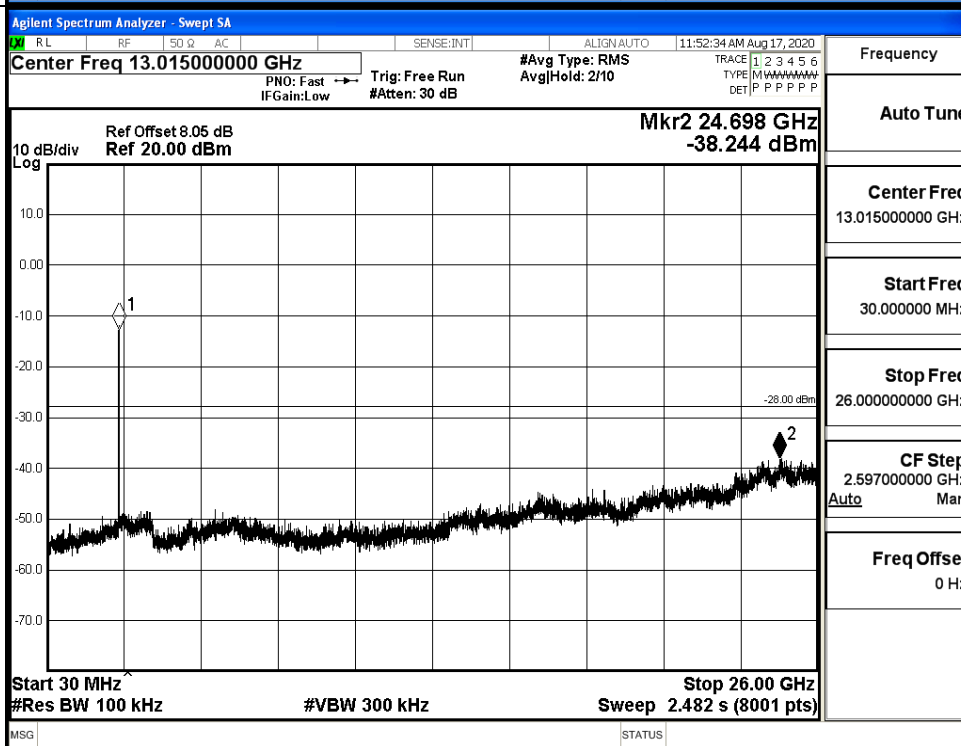
11N20_LCH_Graphs

Pref/11N20
/LCHPuw/11N20
/LCH

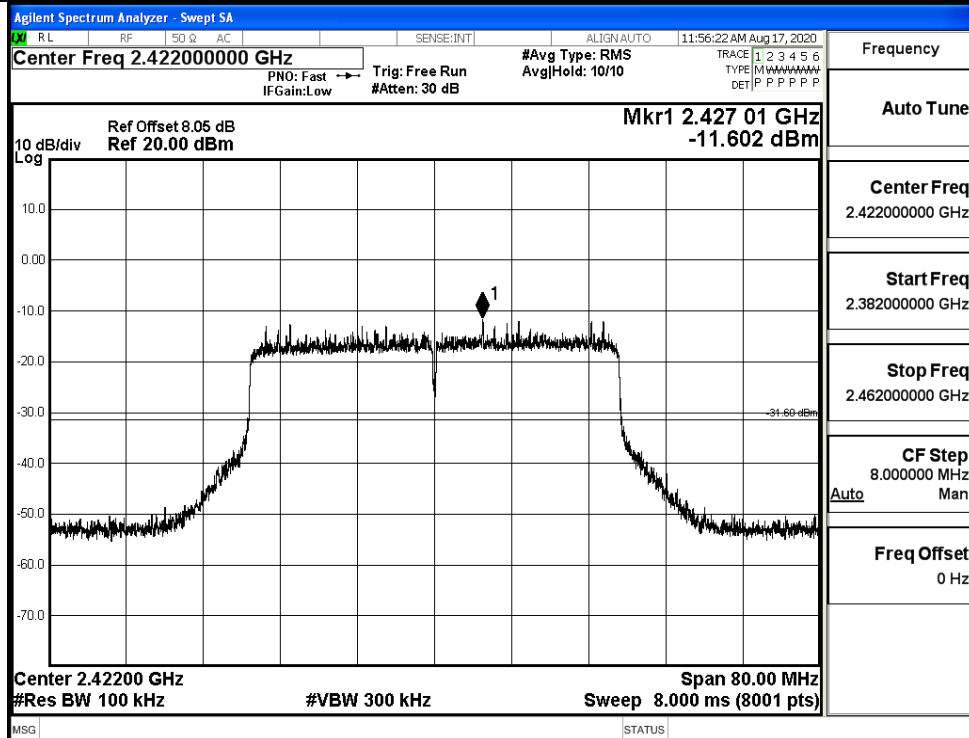
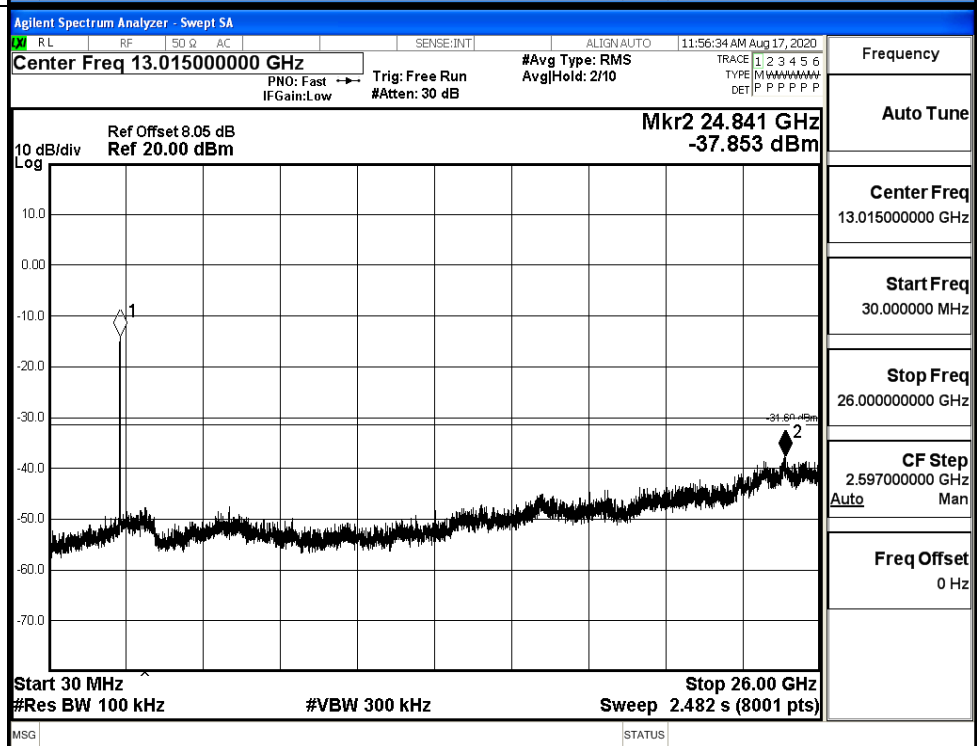
11N20 MCH Graphs

Pref/11N20
/MCHPuw/11N20
/MCH

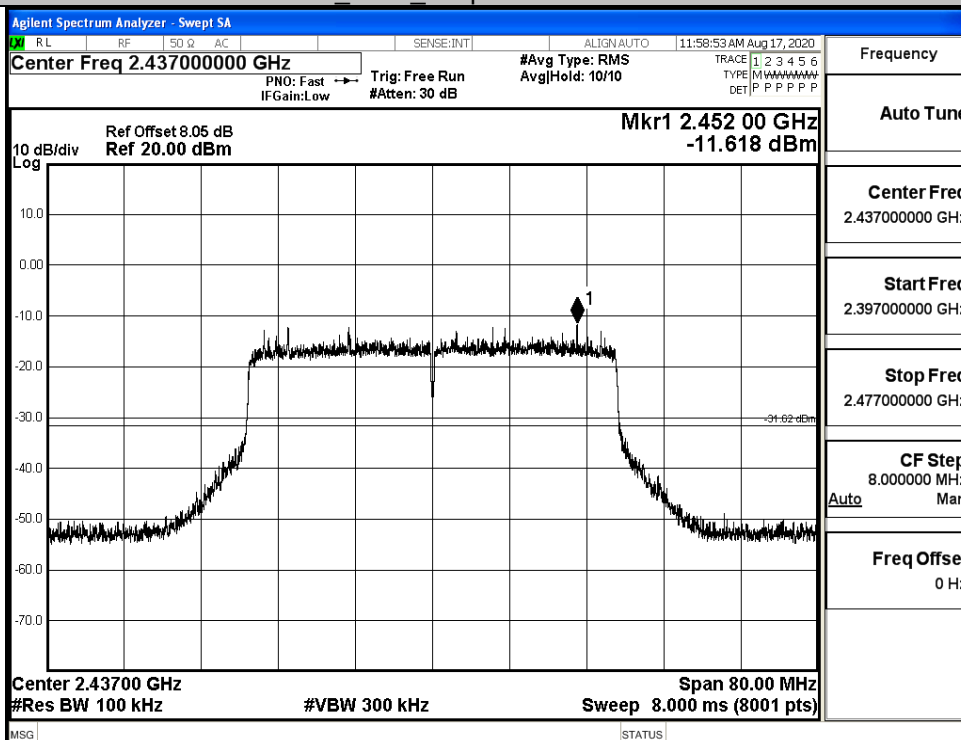
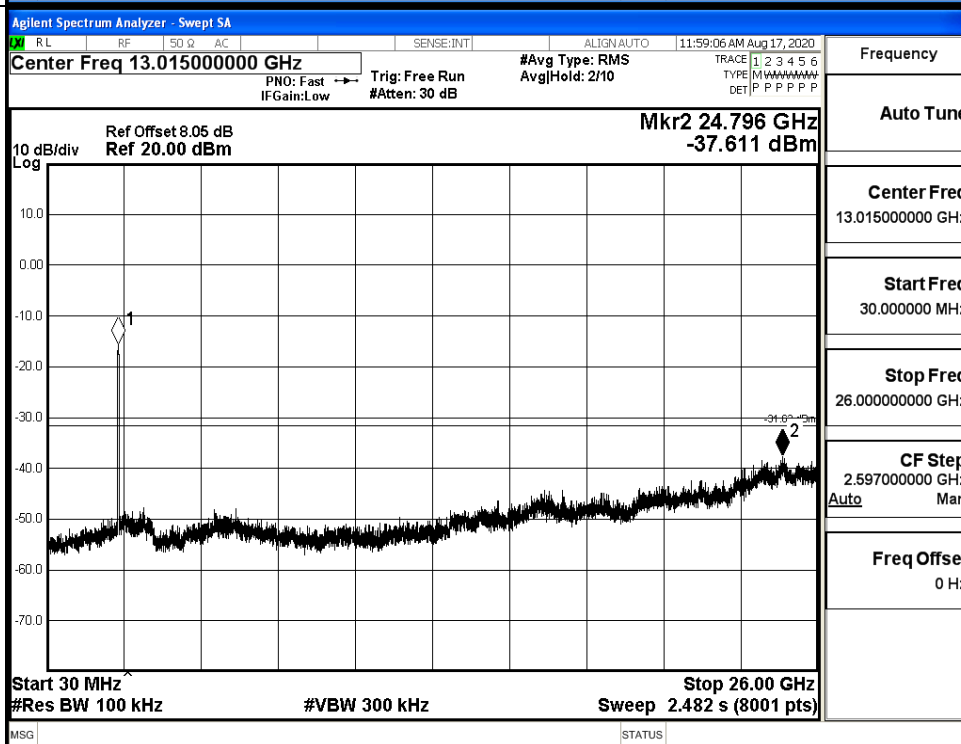
11N20 HCH Graphs

Pref/11N20
/HCHPuw/11N20
/HCH

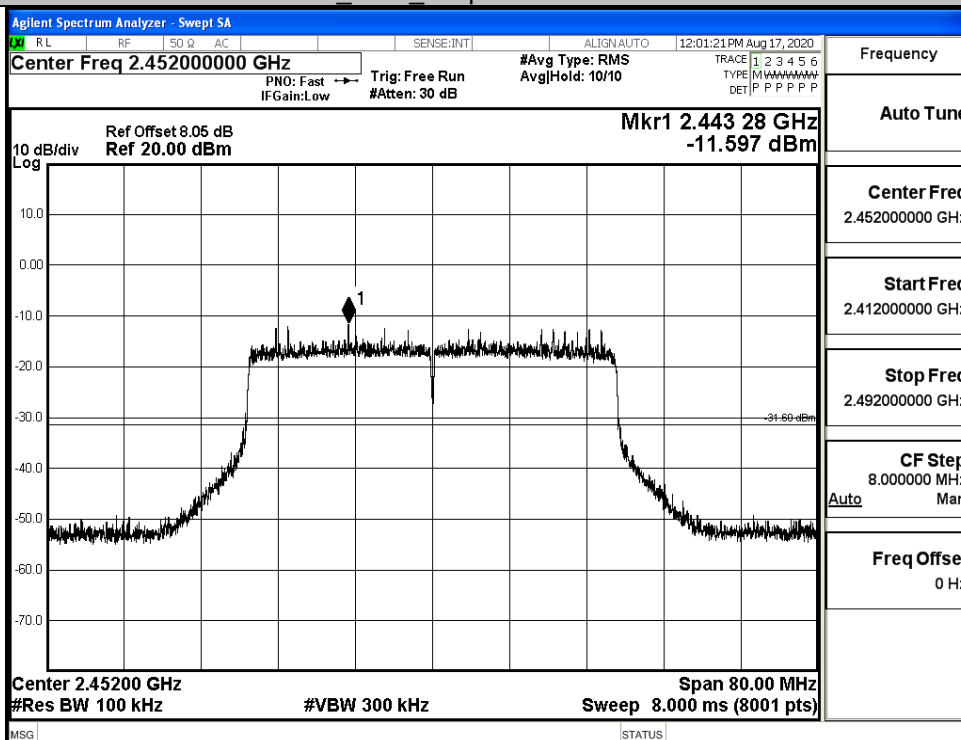
11N40 LCH Graphs

Pref/11N40
/LCHPuw/11N40
/LCH

11N40 MCH Graphs

Pref/11N40
/MCHPuw/11N40
/MCH

11N40 HCH Graphs

Pref/11N40
/HCHPuw/11N40
/HCH