

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

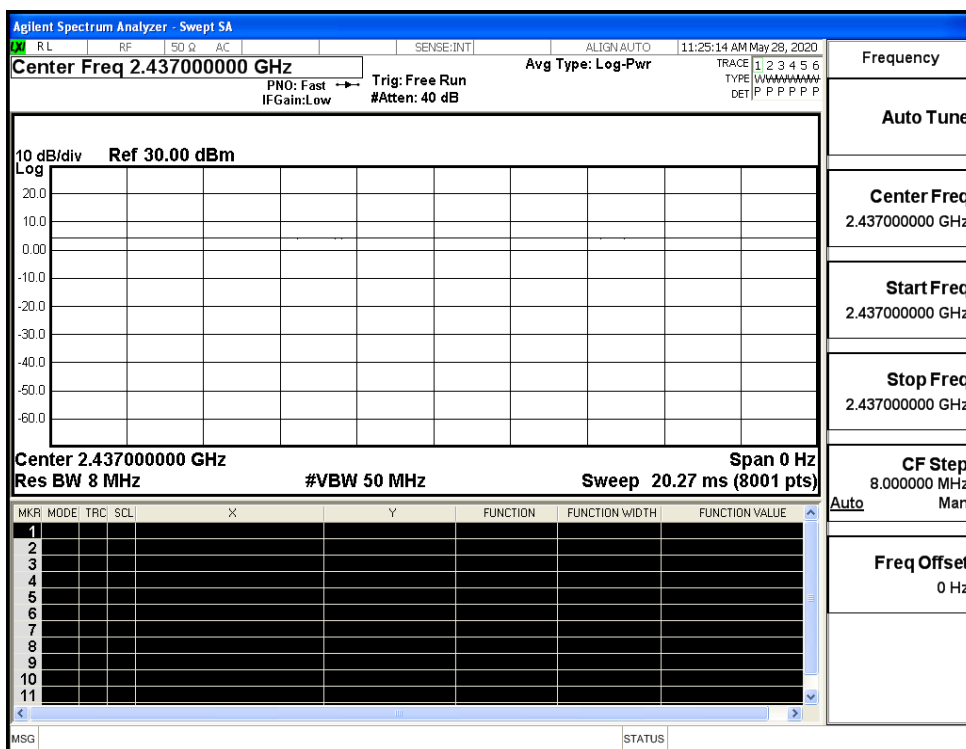
Temperature:	23.5 ° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	QUXIN
Supervised by:	Li Huan

C.1 Duty Cycle

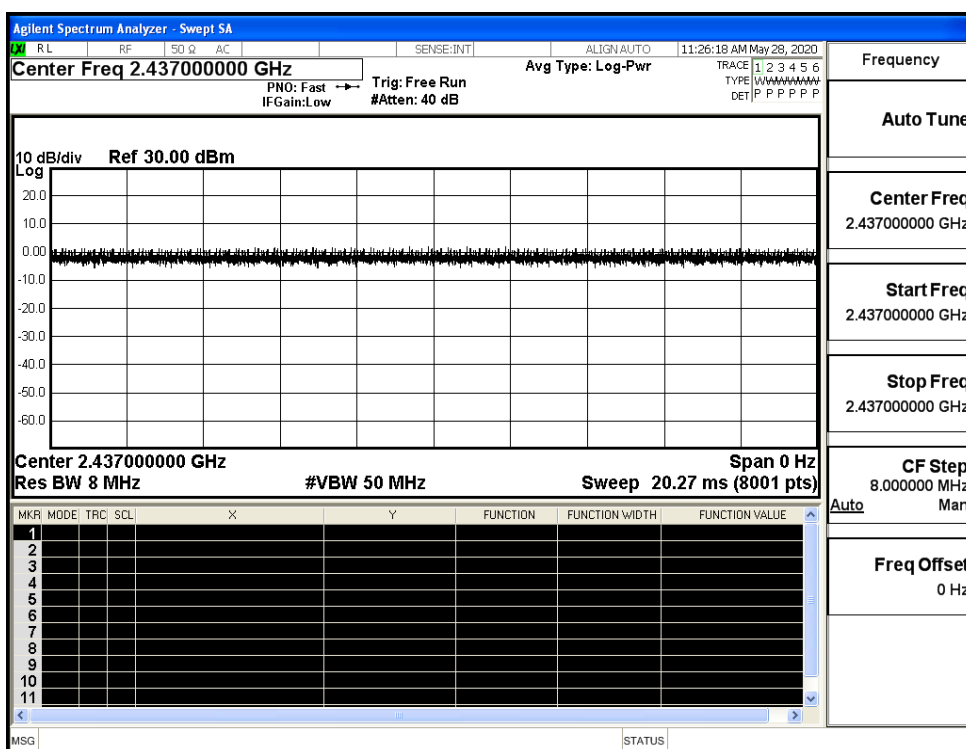
ANT0

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

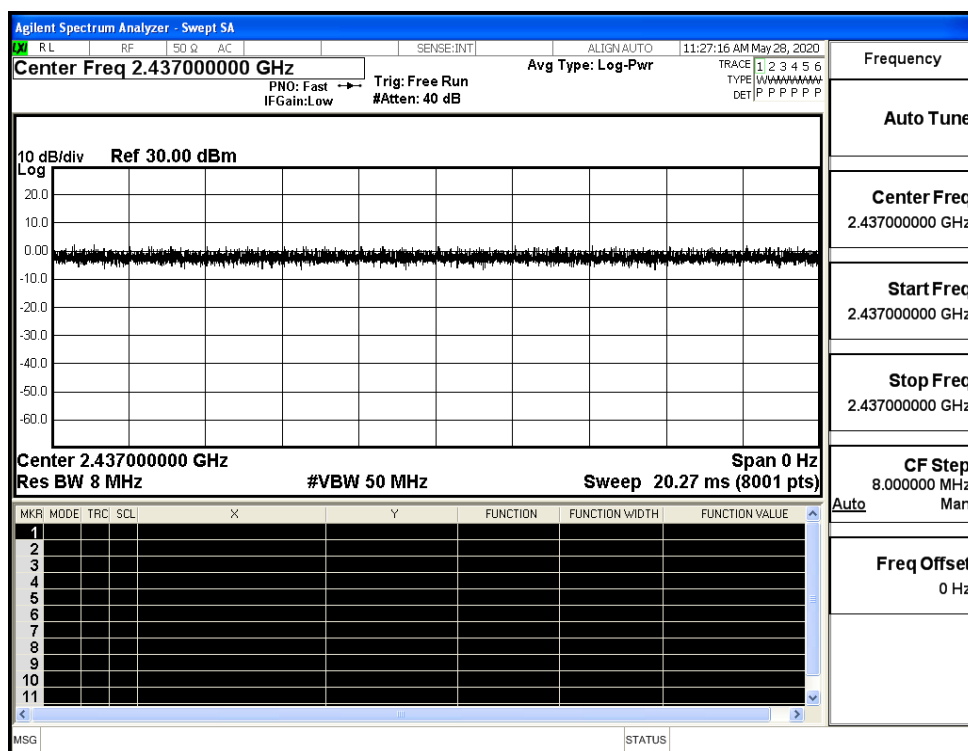
Duty Cycle_11B_2437_Ant1



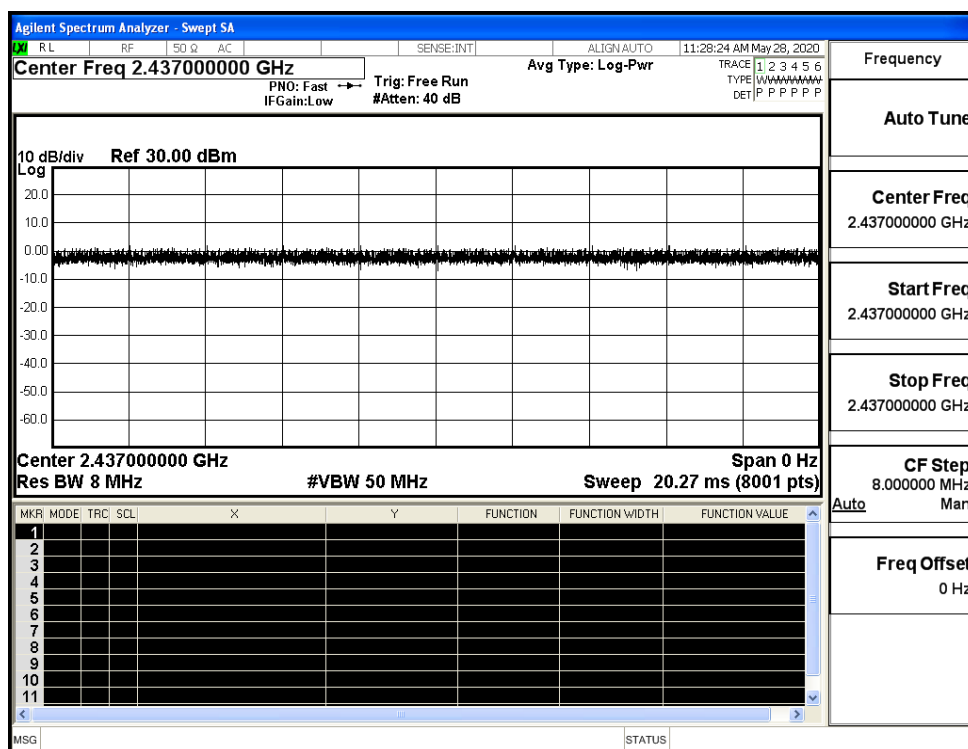
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1

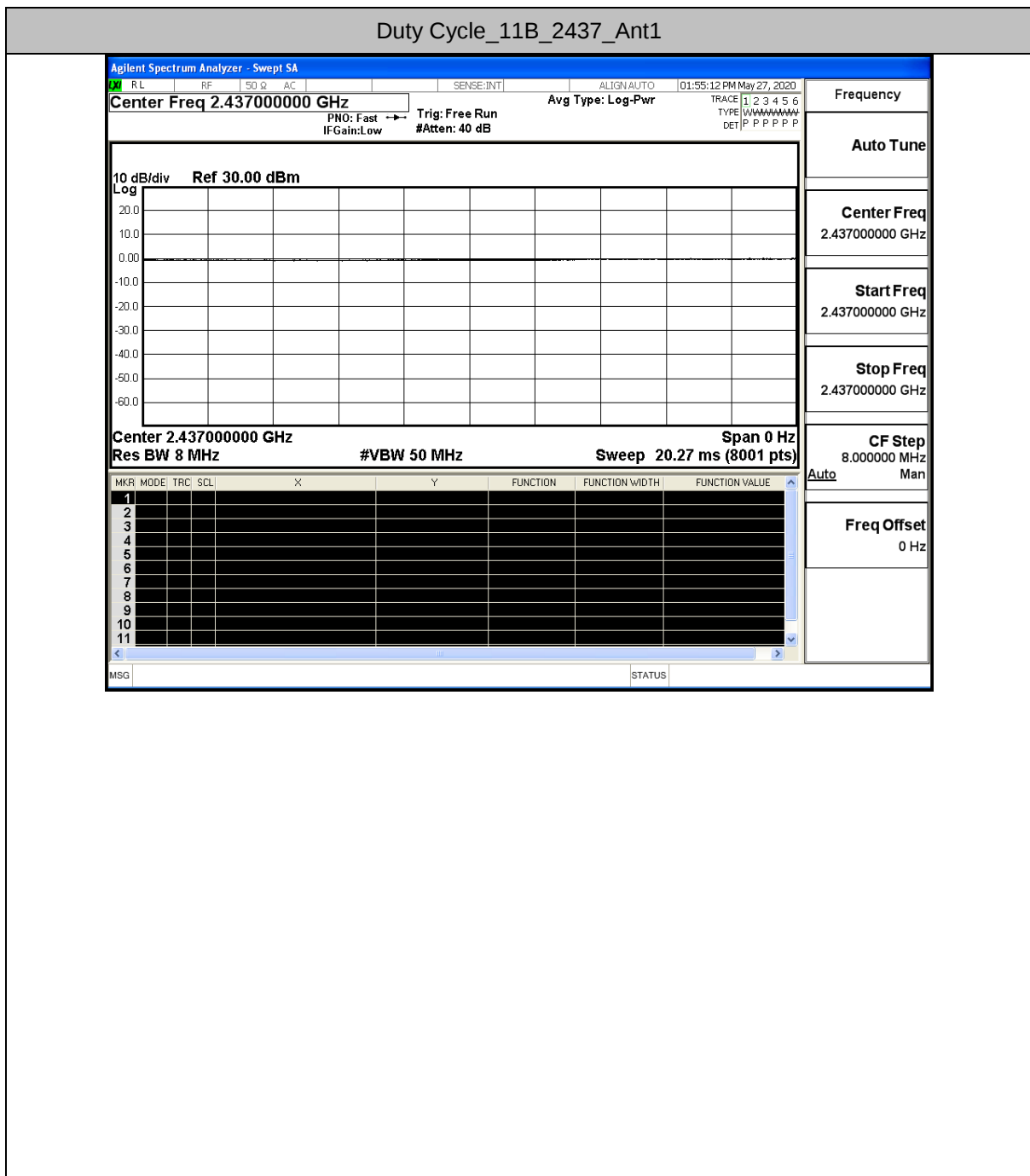


Duty Cycle_11N40SISO_2437_Ant1

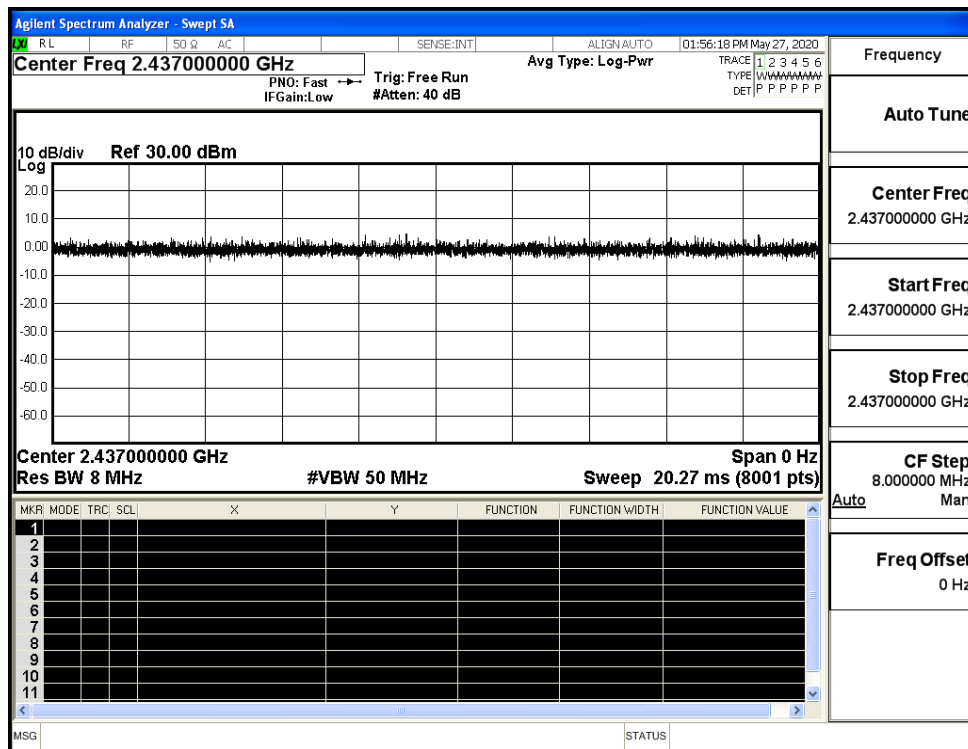


ANT1

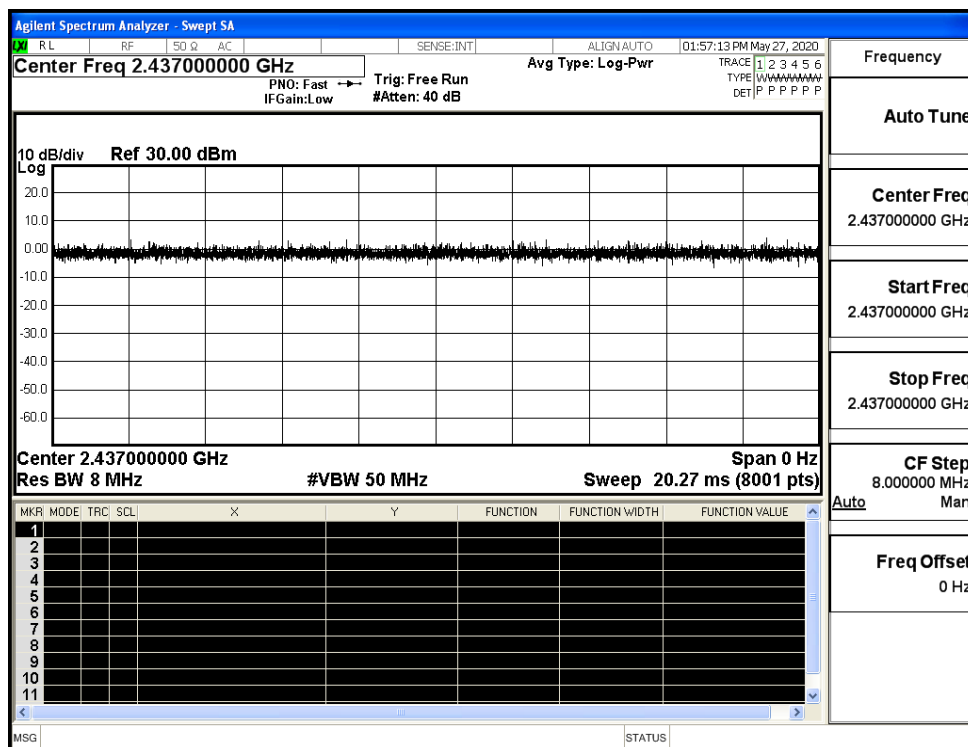
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS



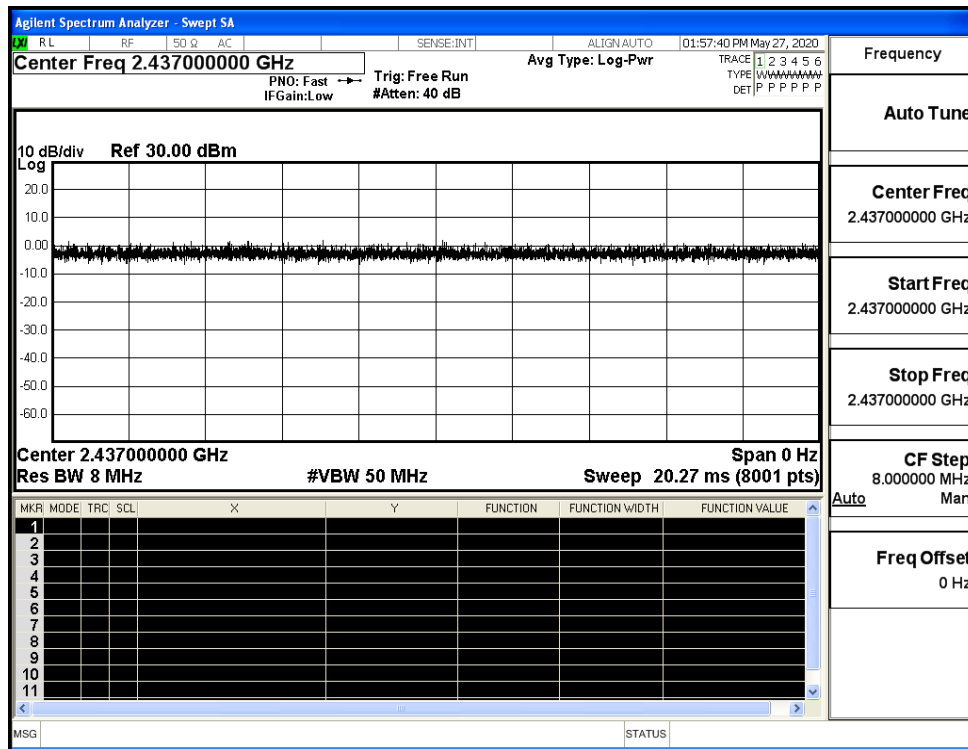
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



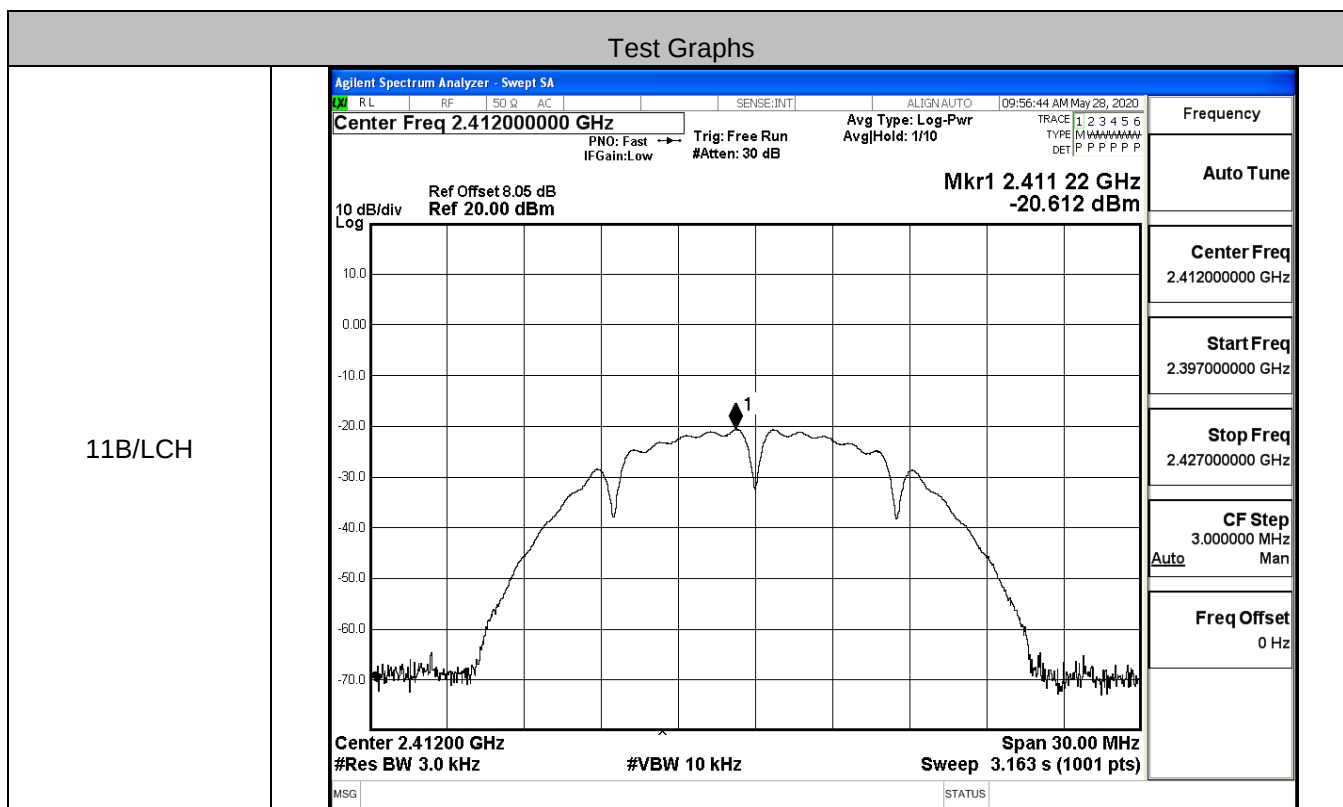
C.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	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

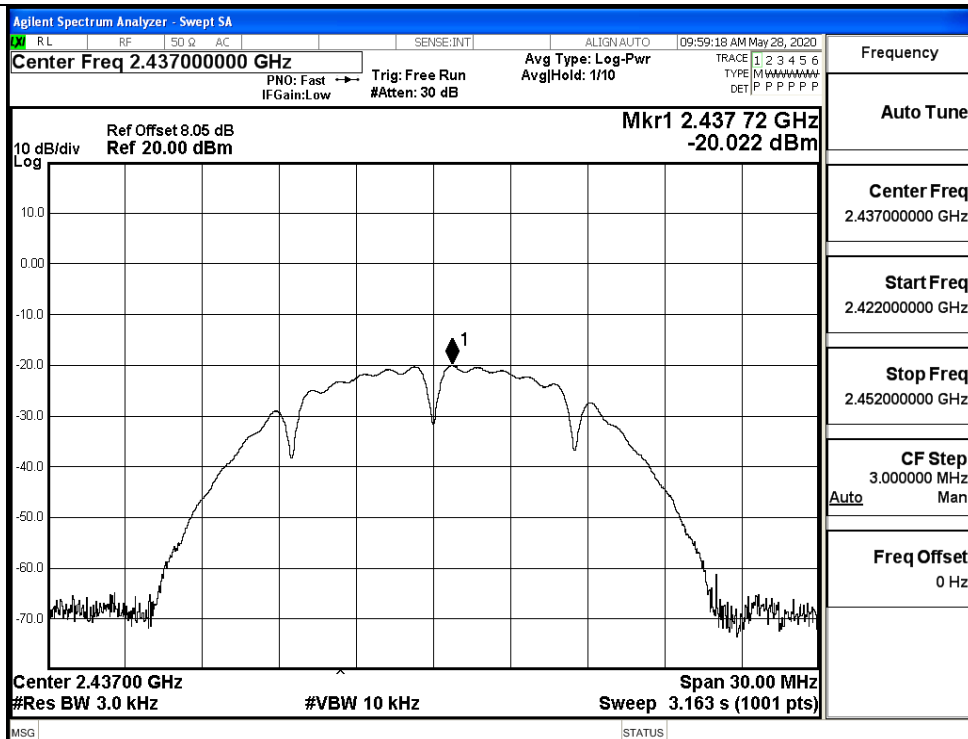
C.3 Maximum Power Spectral Density

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

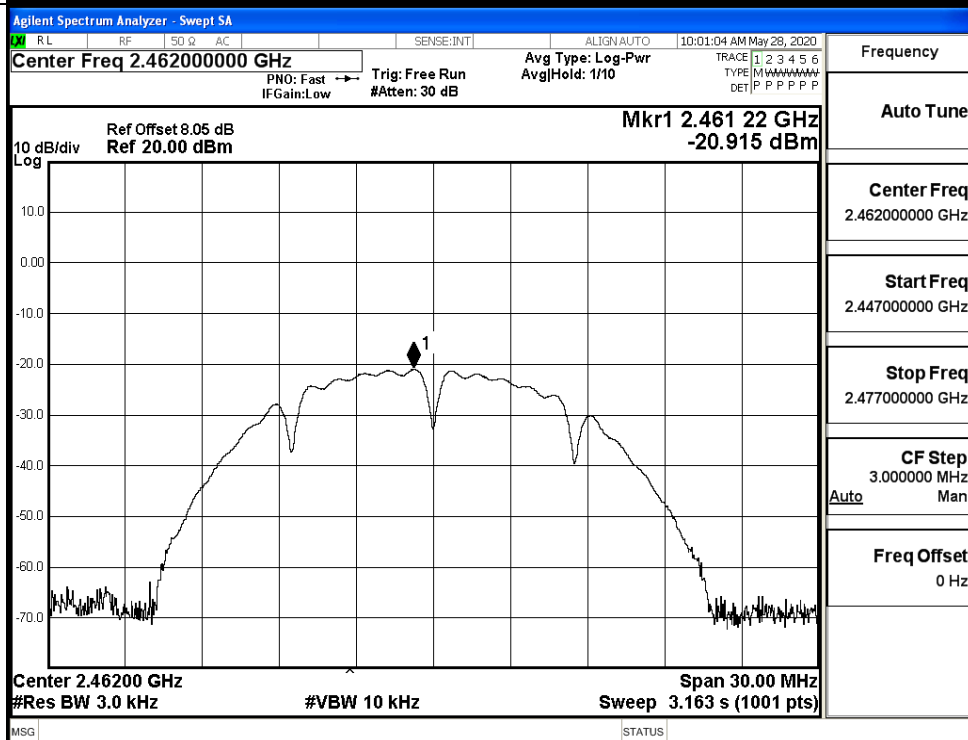
ANT0



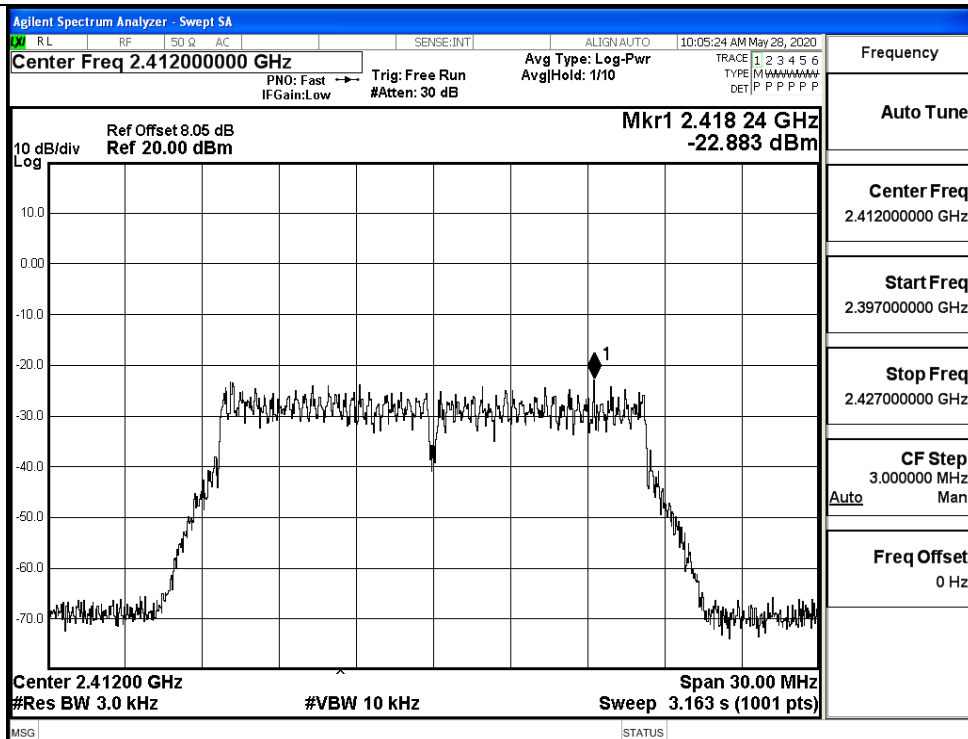
11B/MCH



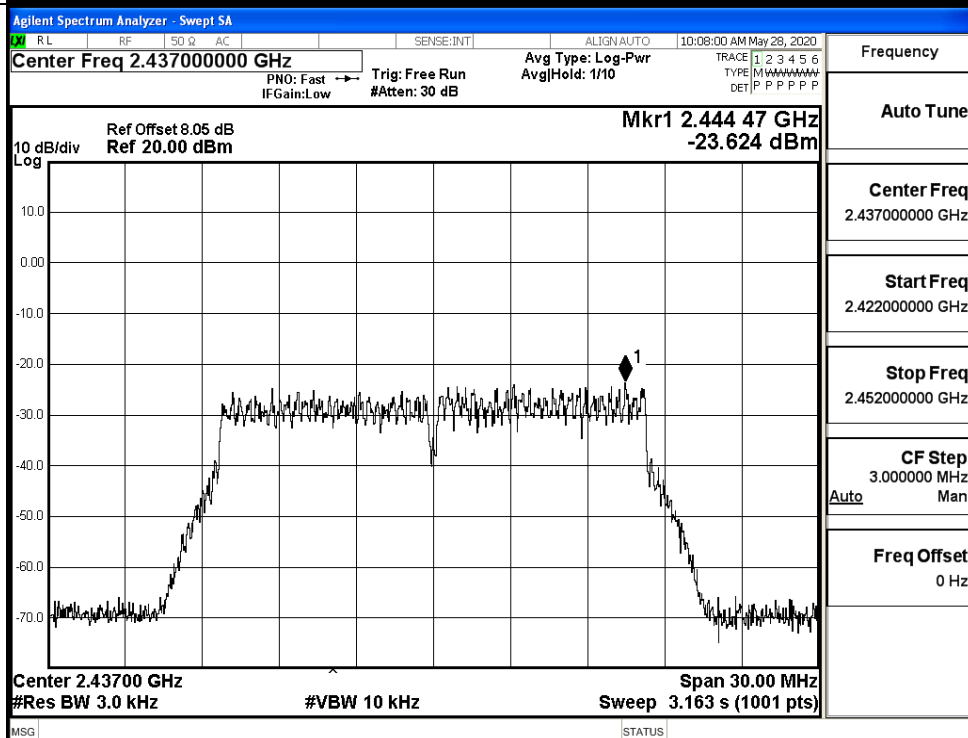
11B/HCH



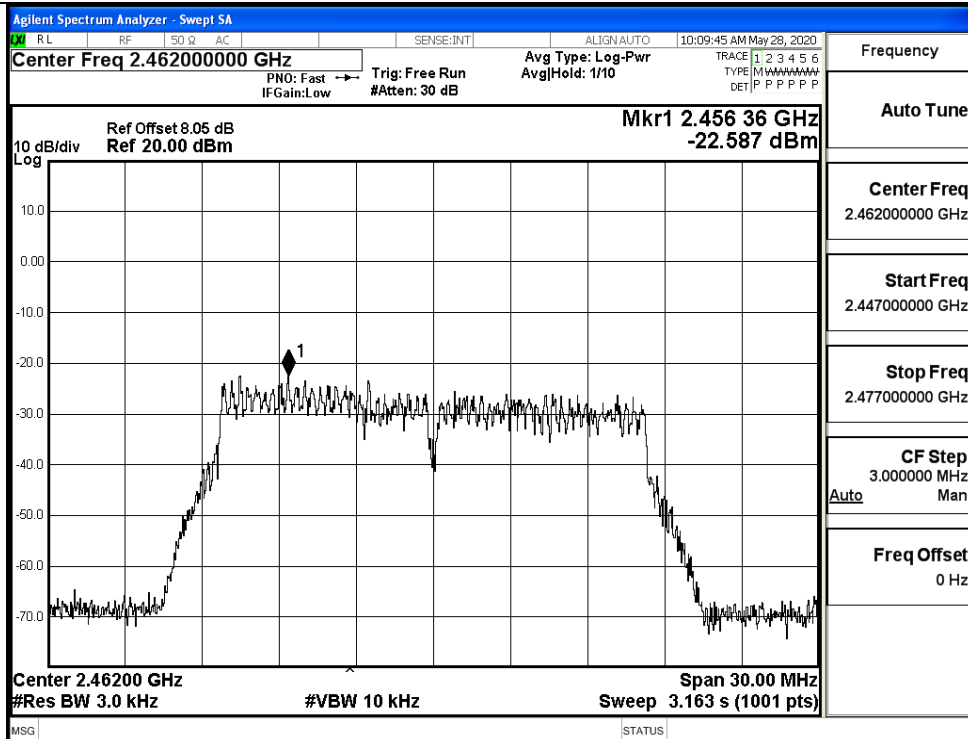
11G/LCH



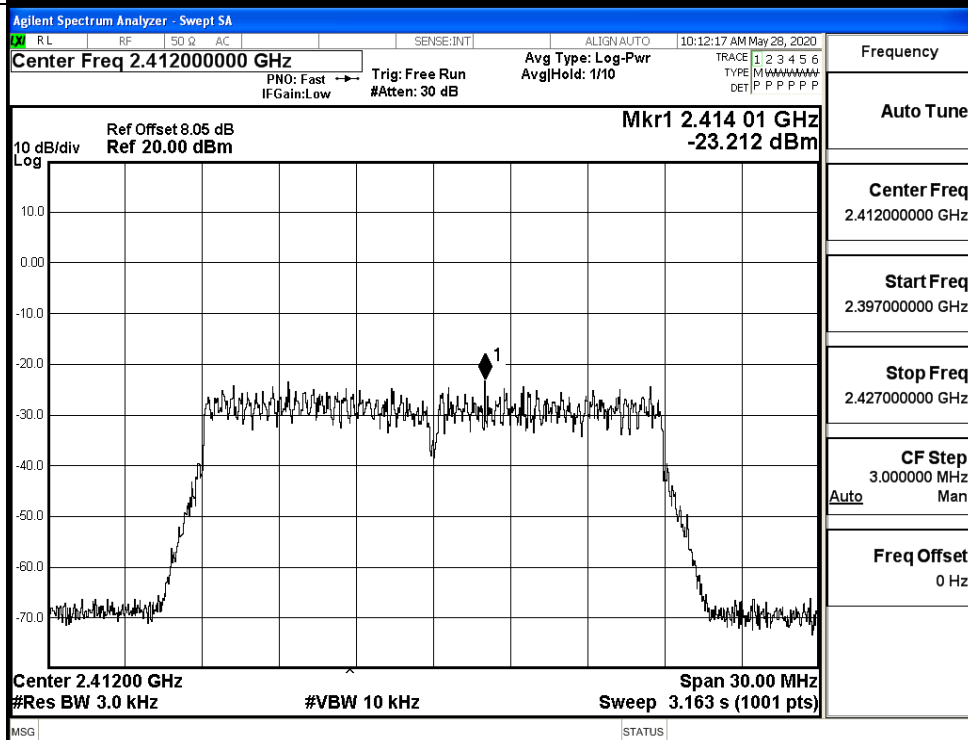
11G/MCH



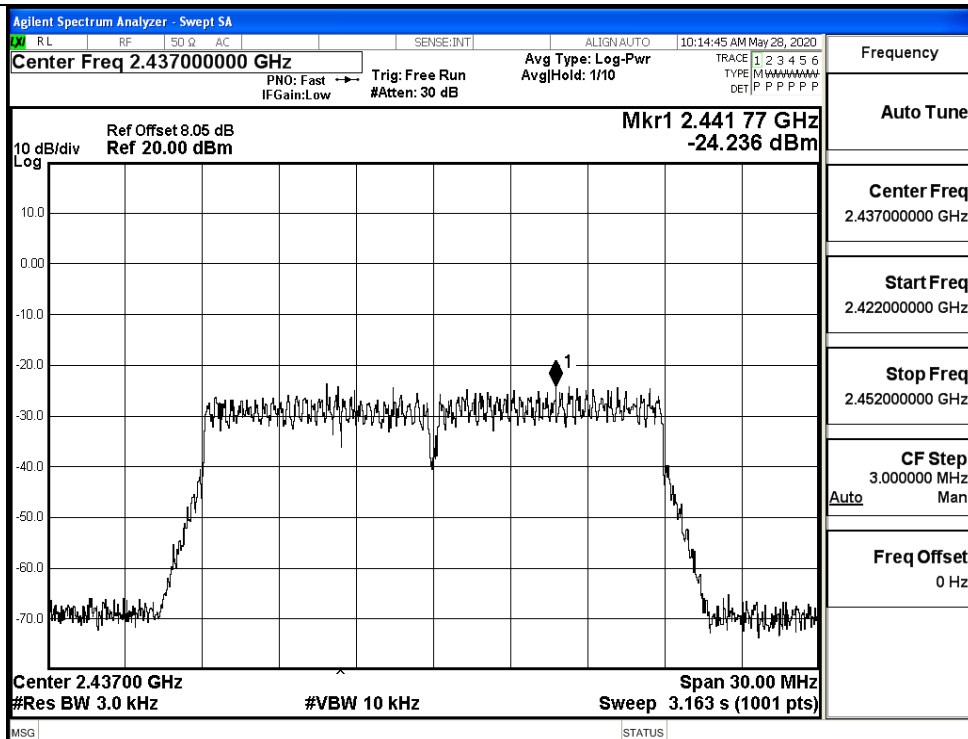
11G/HCH



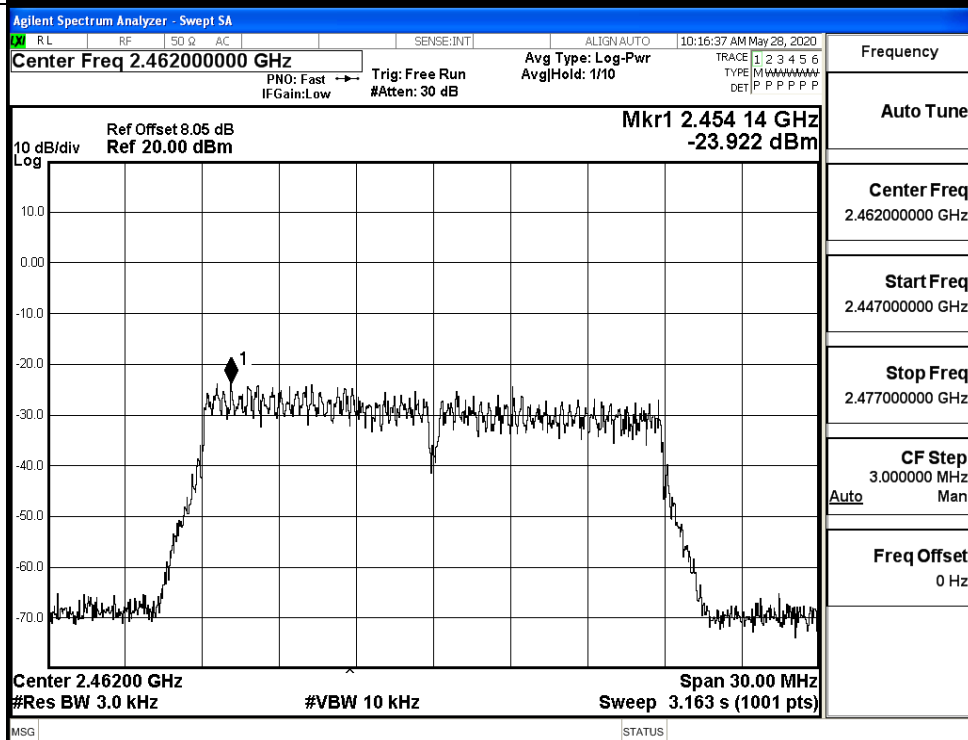
11N20SISO/LCH



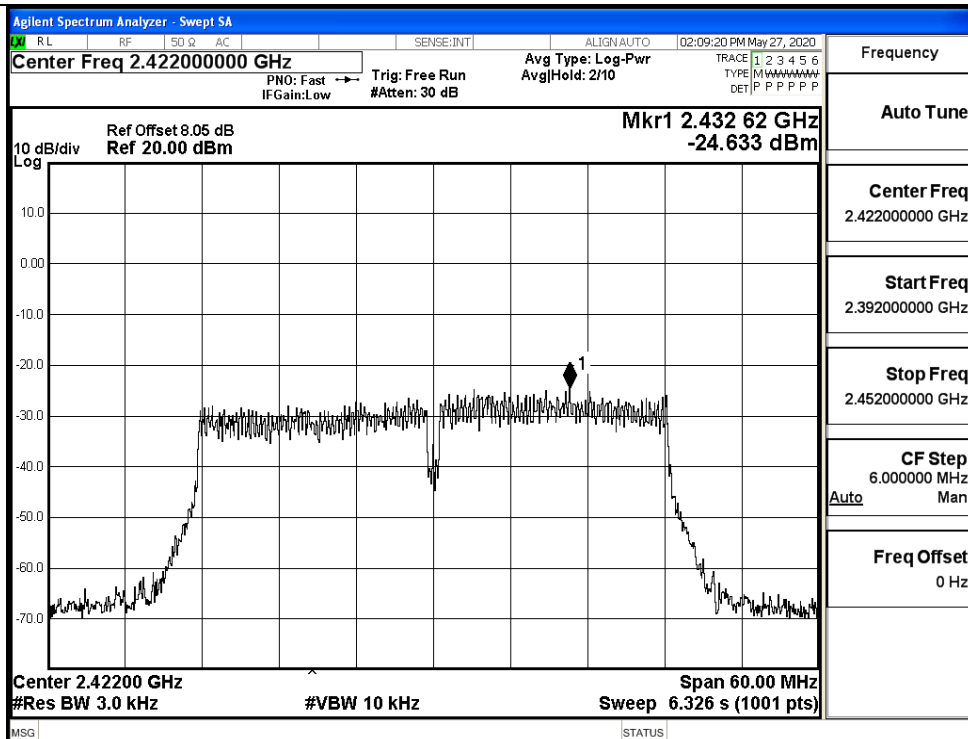
11N20SISO/MCH



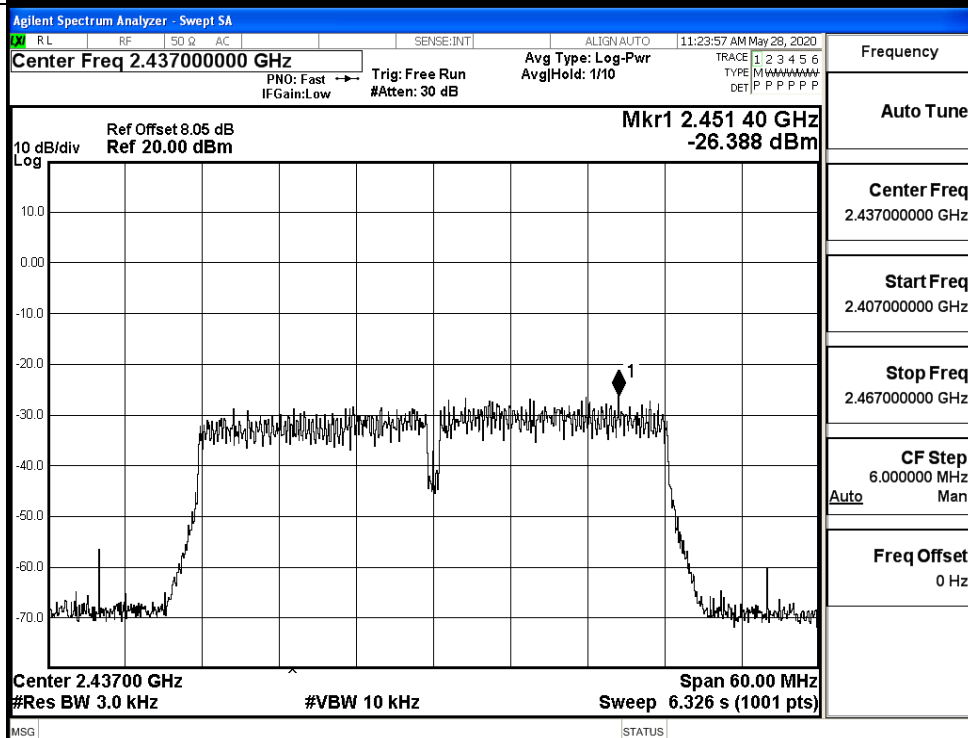
11N20SISO/HCH

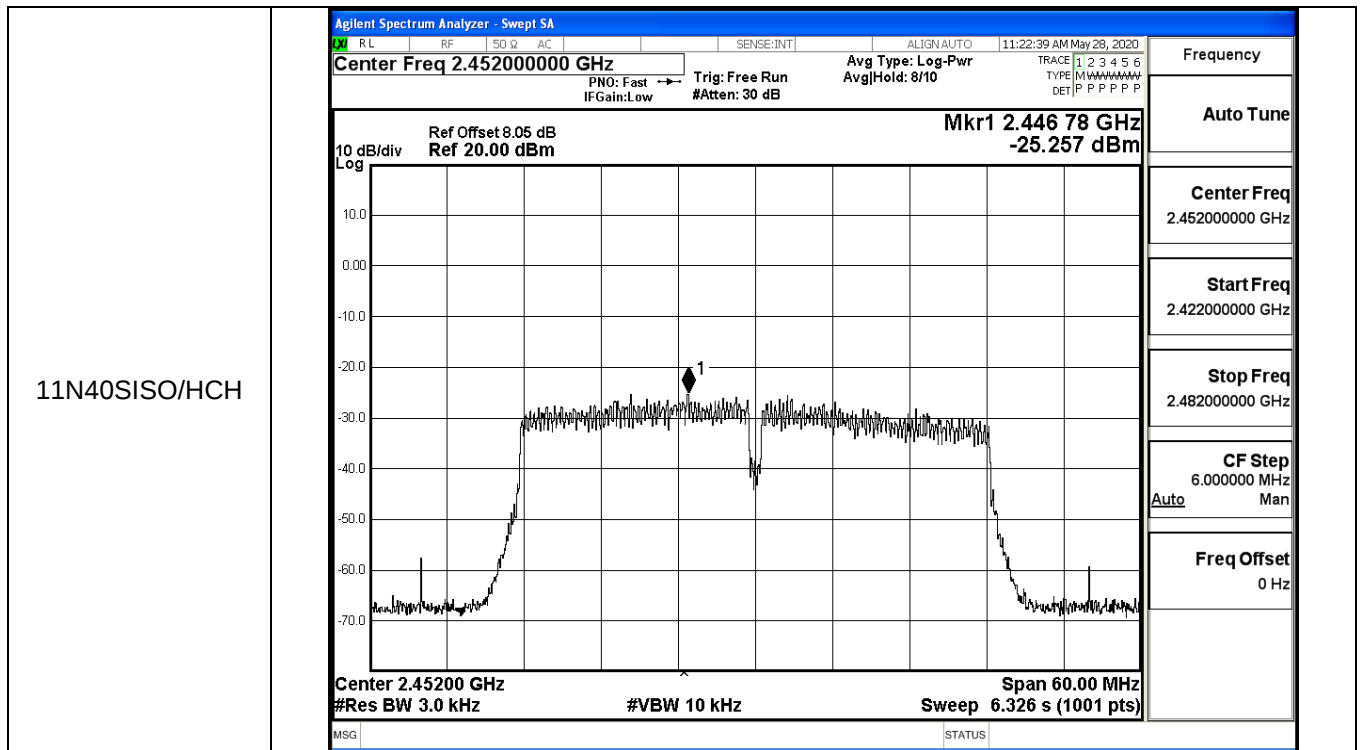


11N40SISO/LCH



11N40SISO/MCH

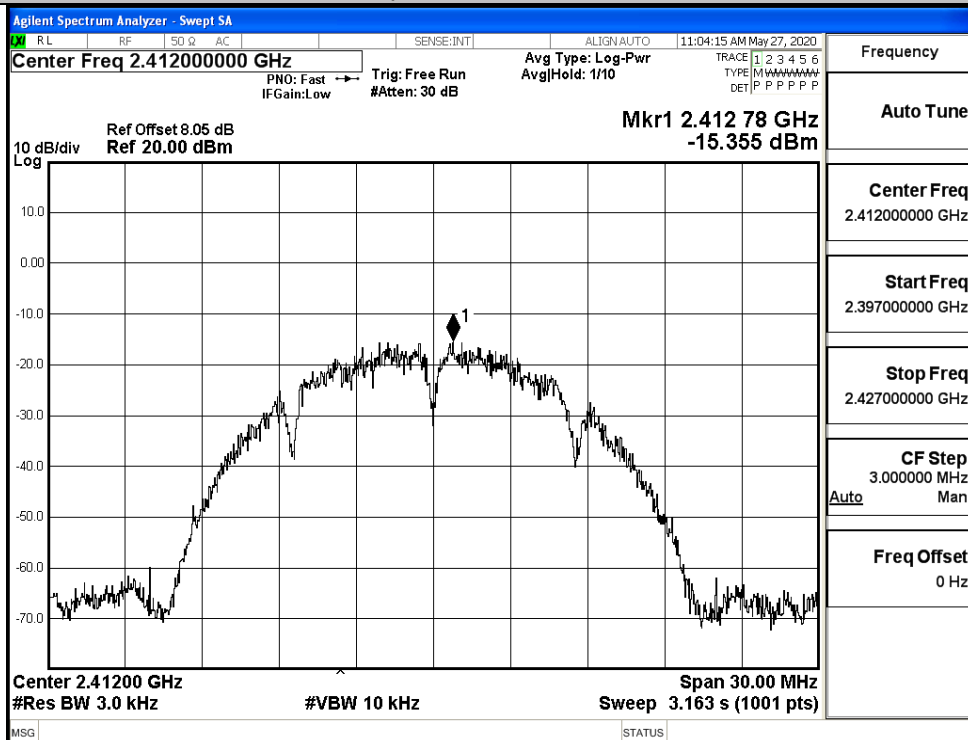




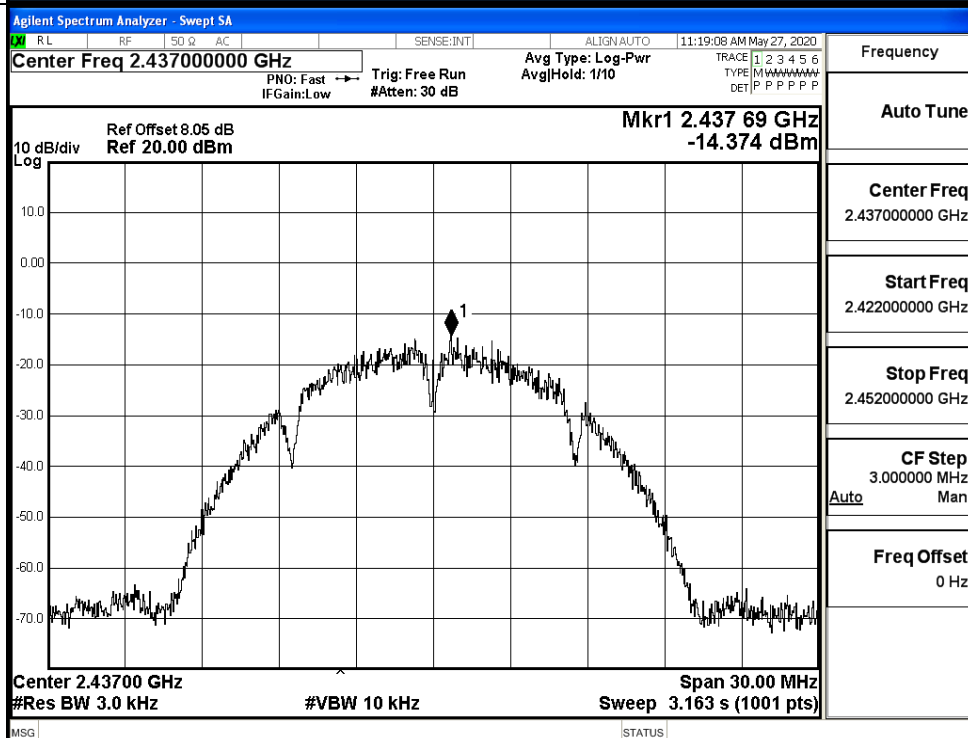
ANT1

Test Graphs

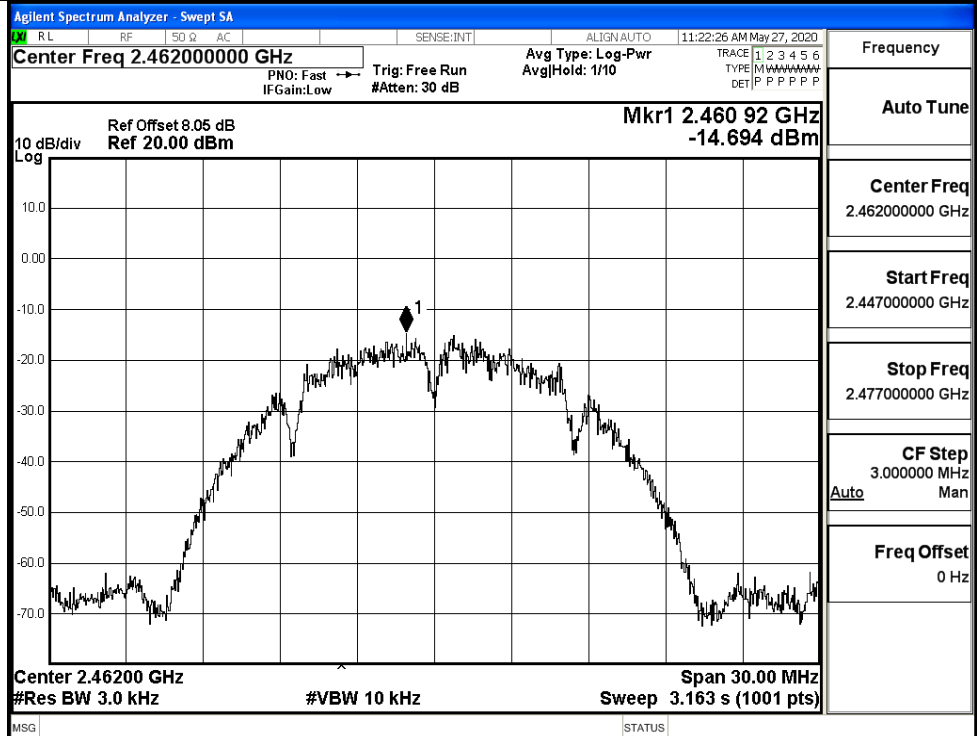
11B/LCH



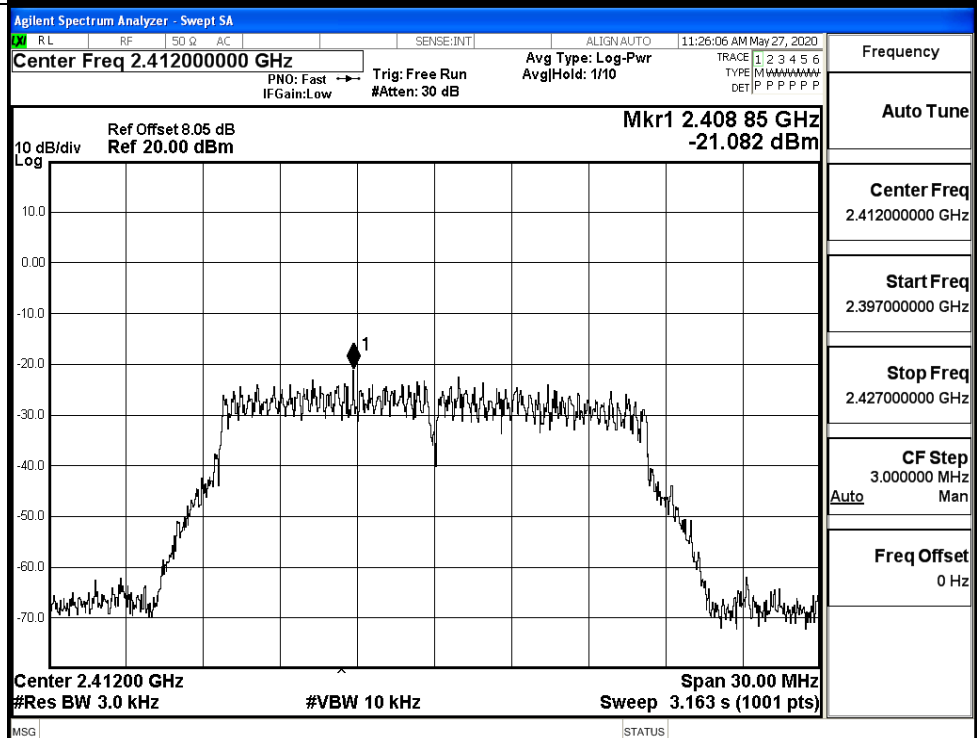
11B/MCH



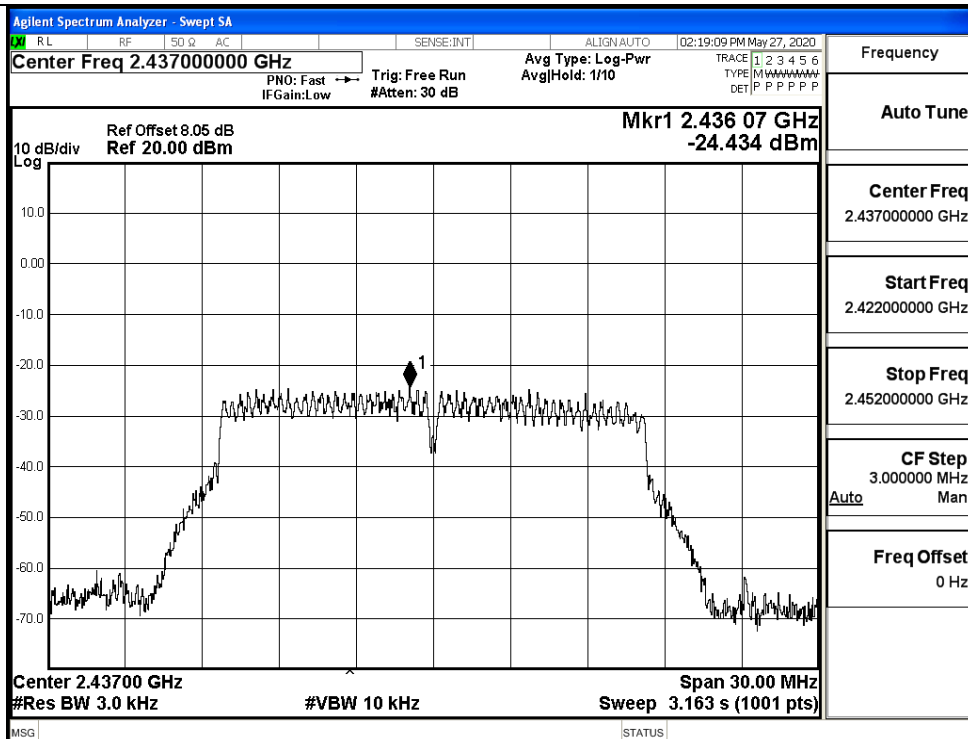
11B/HCH



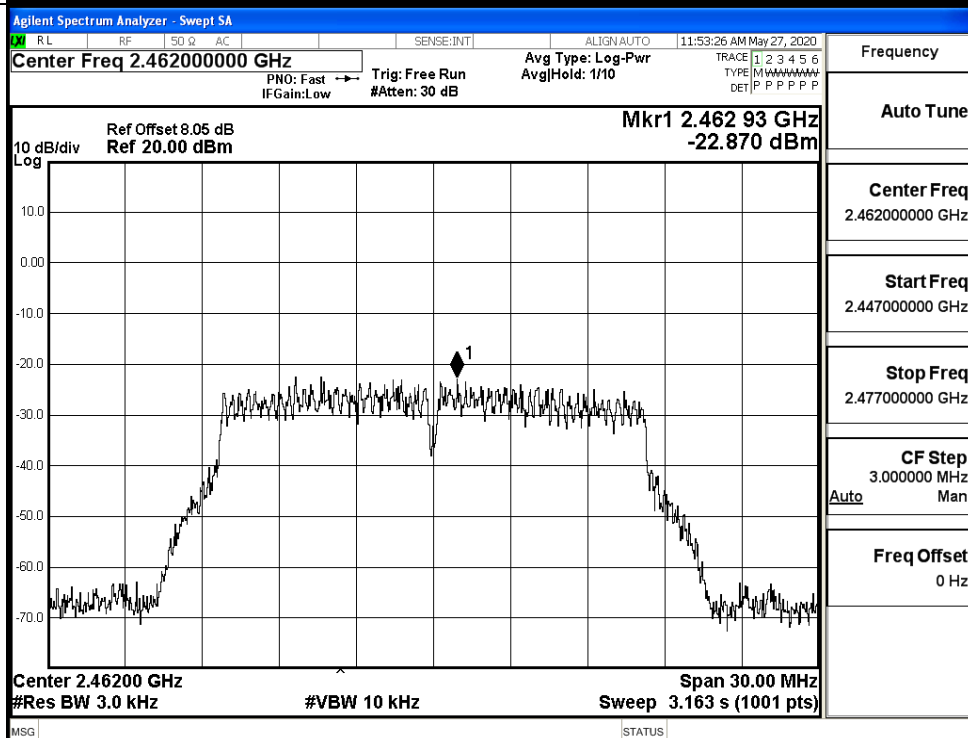
11G/LCH



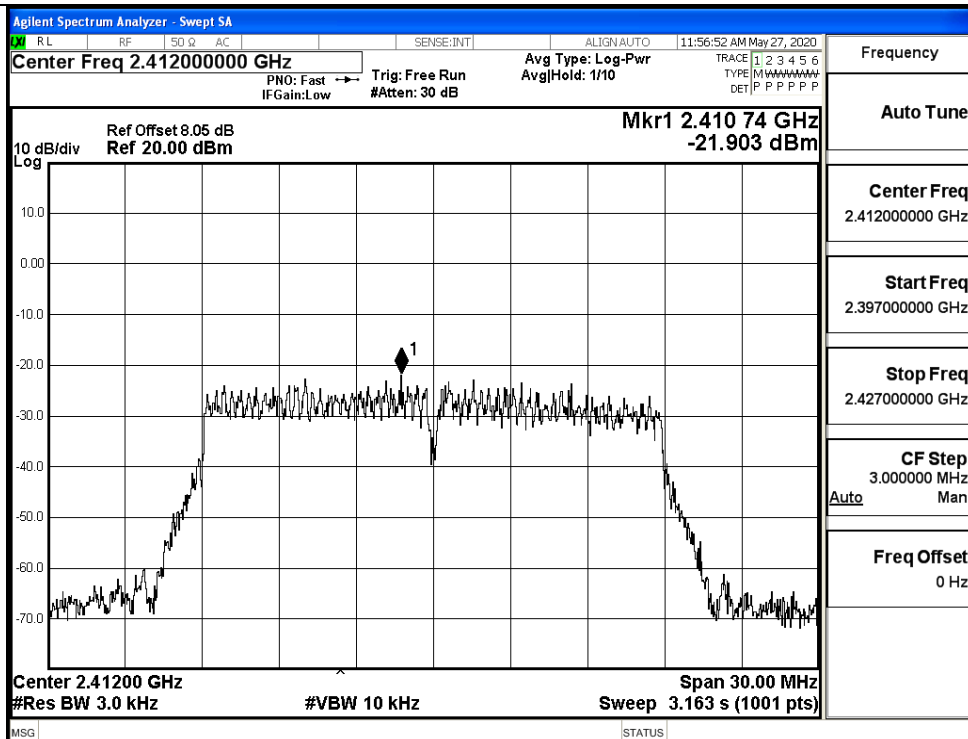
11G/MCH



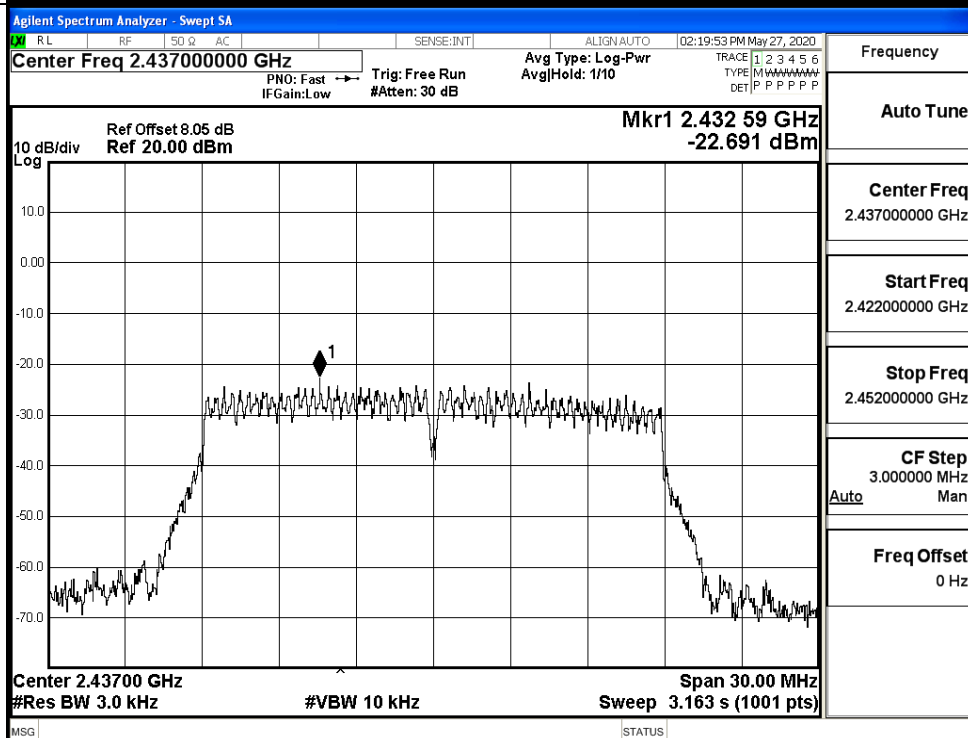
11G/HCH



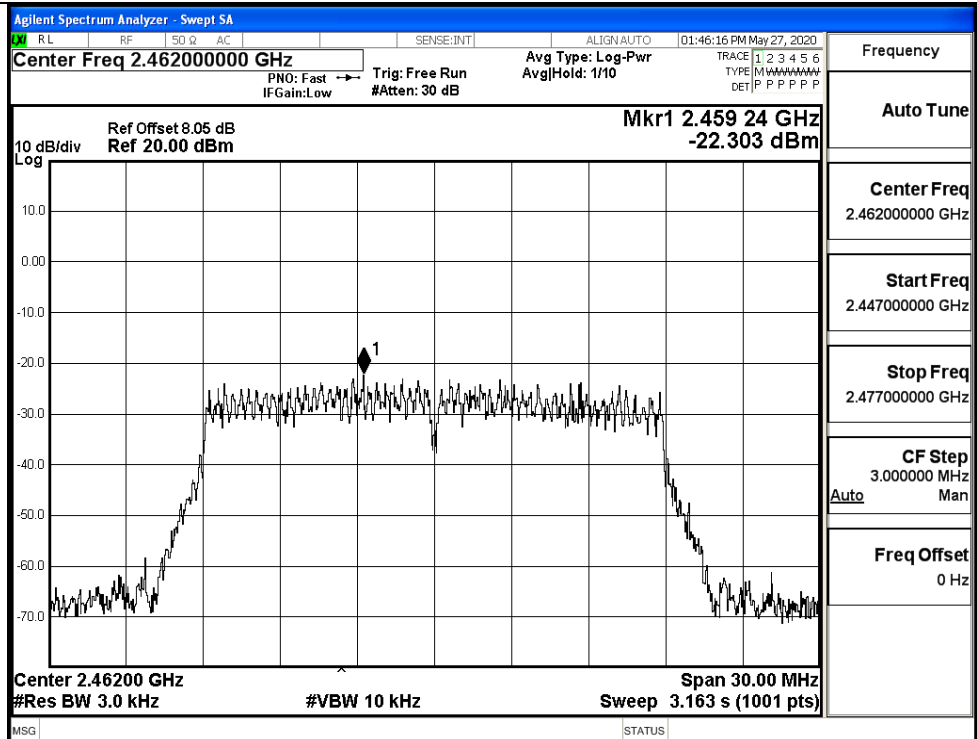
11N20SISO/LCH



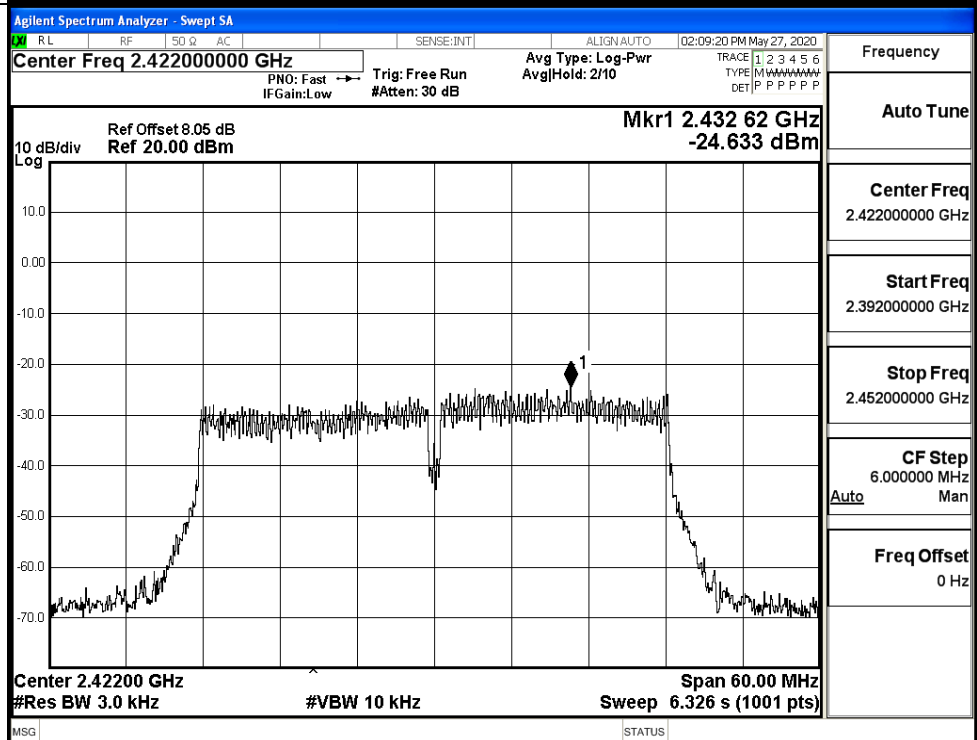
11N20SISO/MCH



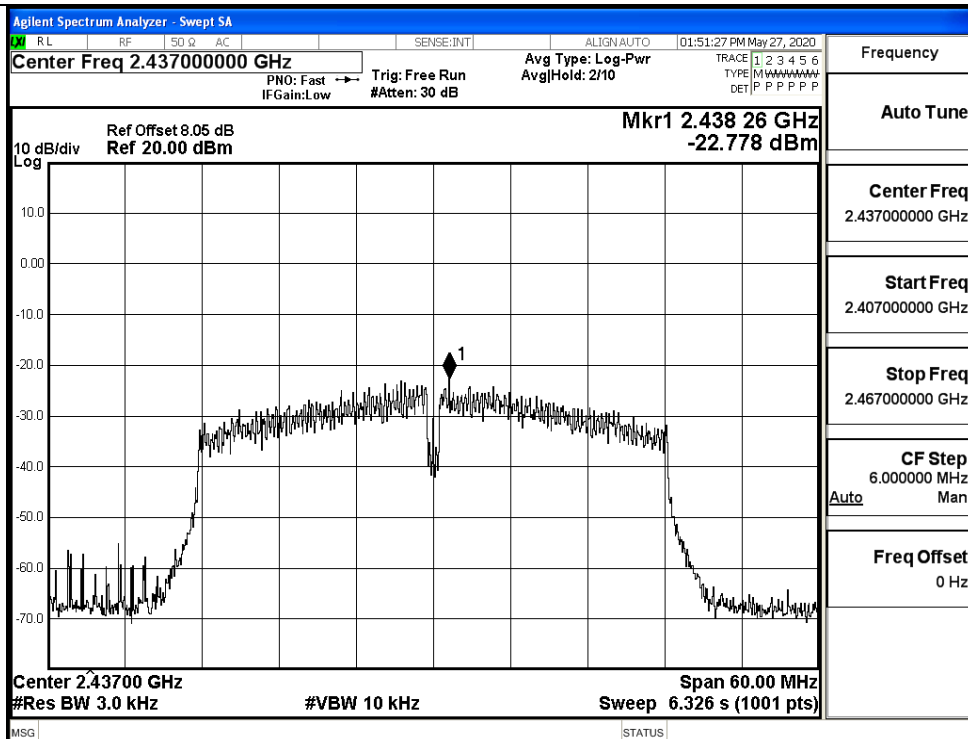
11N20SISO/HCH



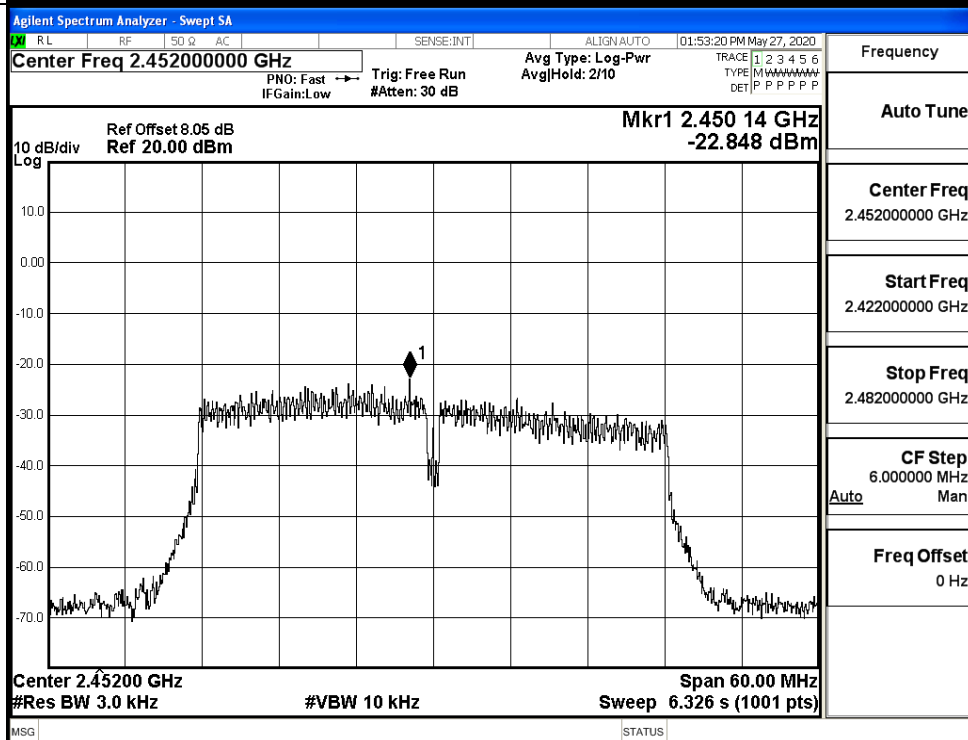
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH



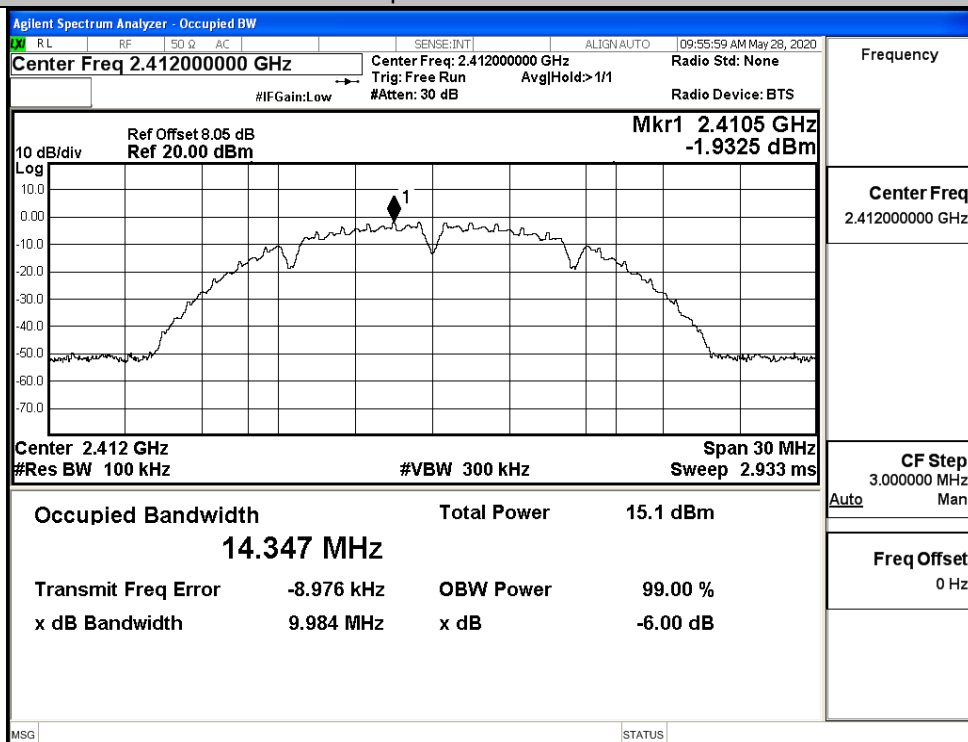
C.4 6dB Bandwidth

ANTO

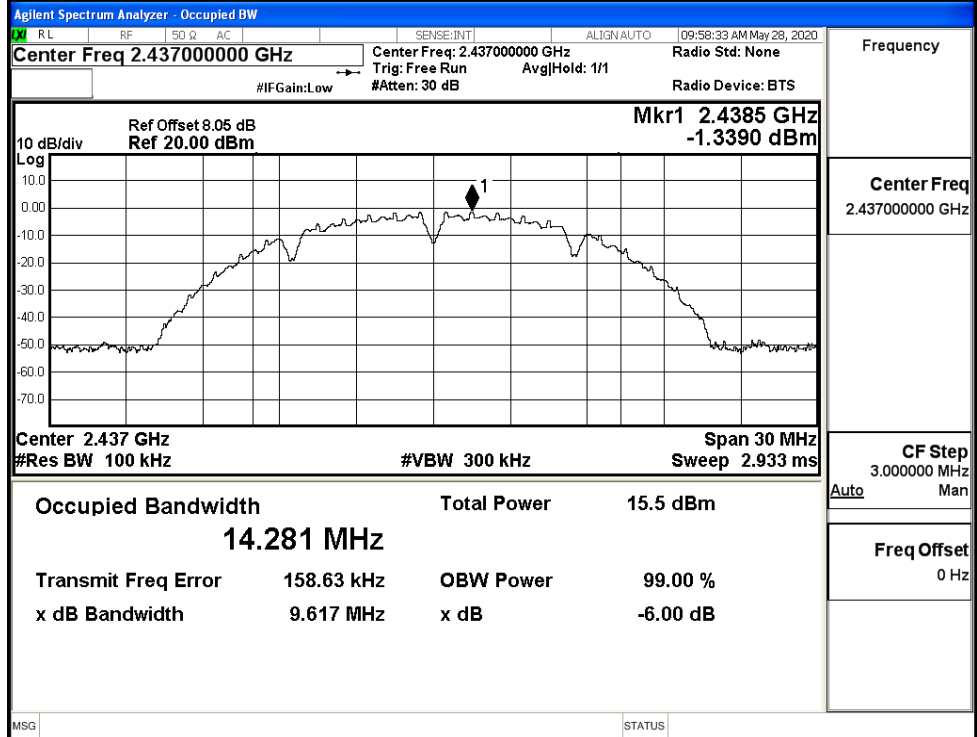
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.984	≥ 0.5	PASS
	MCH	9.617	≥ 0.5	PASS
	HCH	9.615	≥ 0.5	PASS
11G	LCH	16.39	≥ 0.5	PASS
	MCH	16.13	≥ 0.5	PASS
	HCH	15.80	≥ 0.5	PASS
11N20SISO	LCH	17.64	≥ 0.5	PASS
	MCH	17.36	≥ 0.5	PASS
	HCH	16.42	≥ 0.5	PASS
11N40SISO	LCH	35.81	≥ 0.5	PASS
	MCH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

Test Graphs

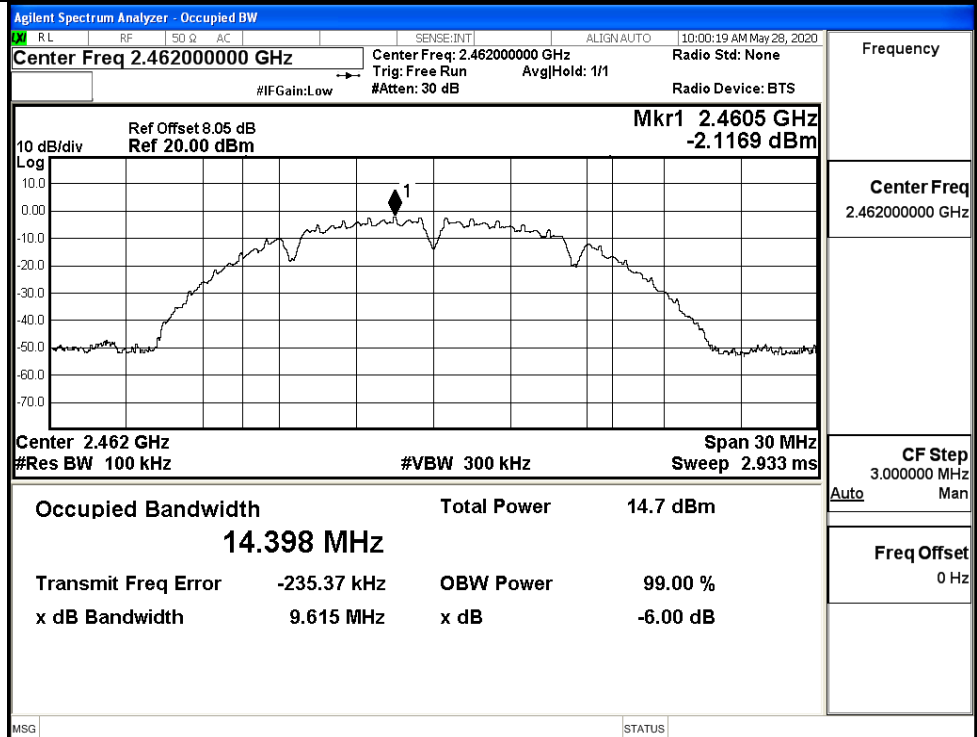
11B/LCH



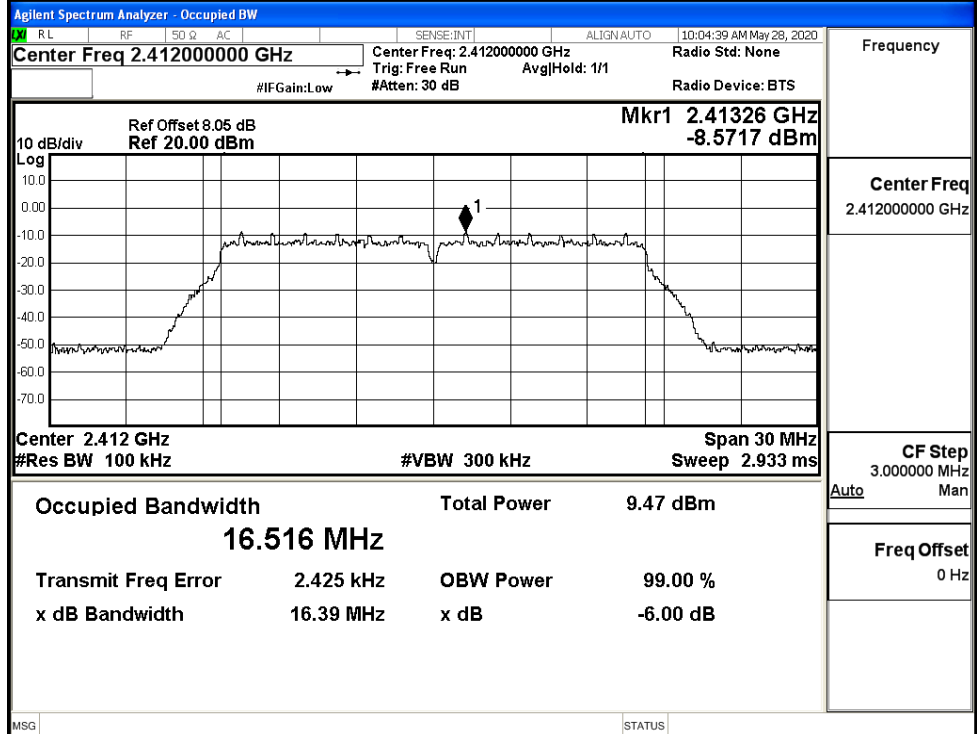
11B/MCH



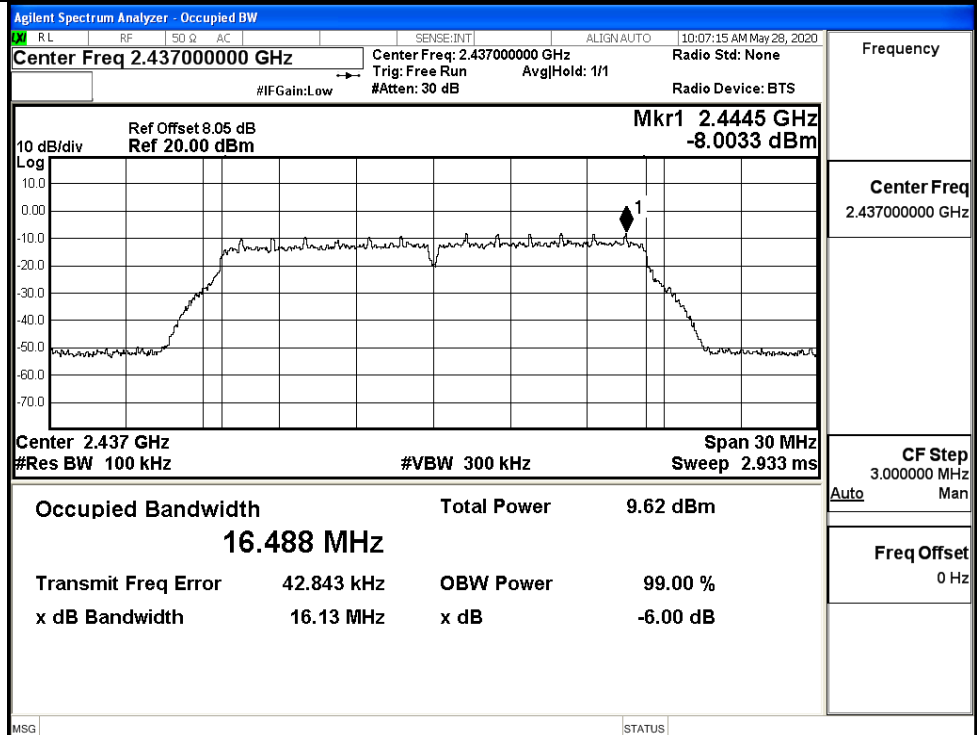
11B/HCH



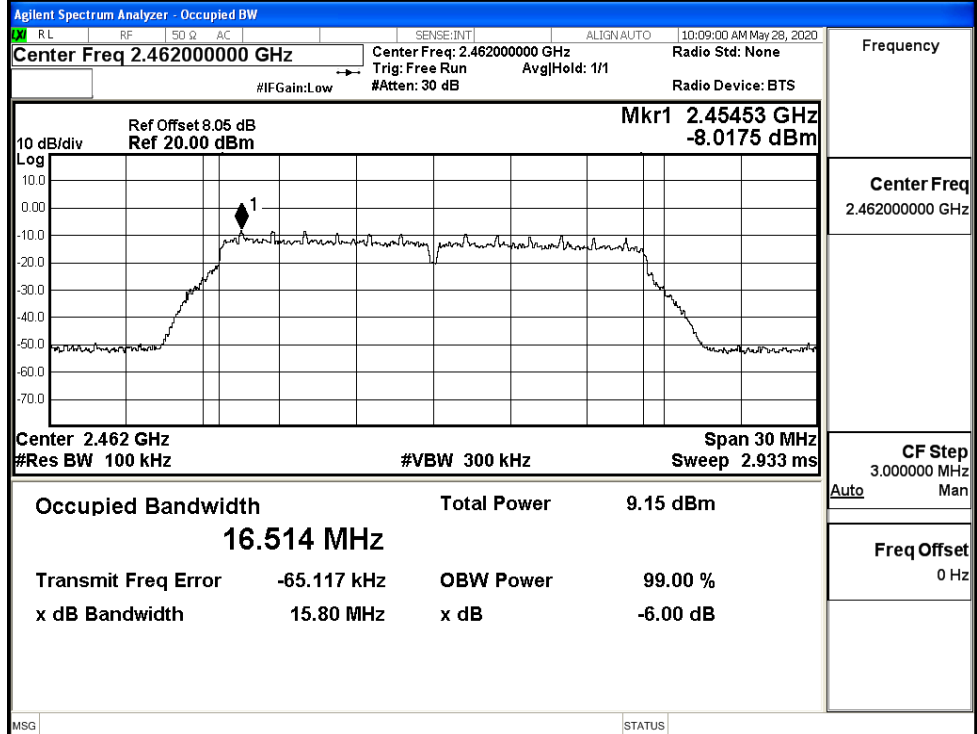
11G/LCH



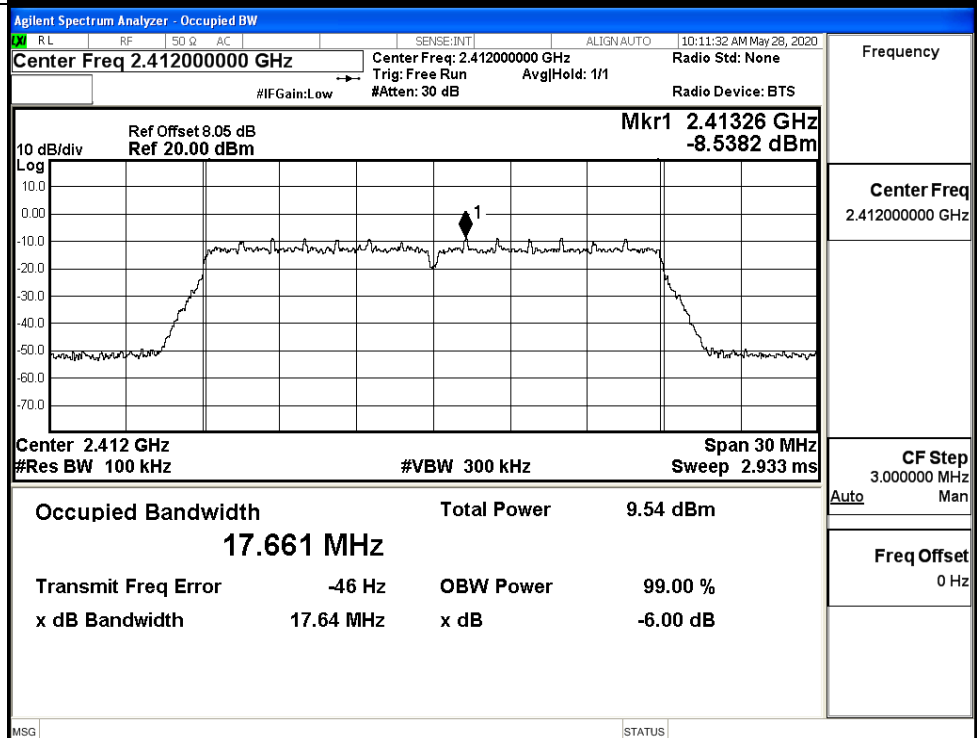
11G/MCH



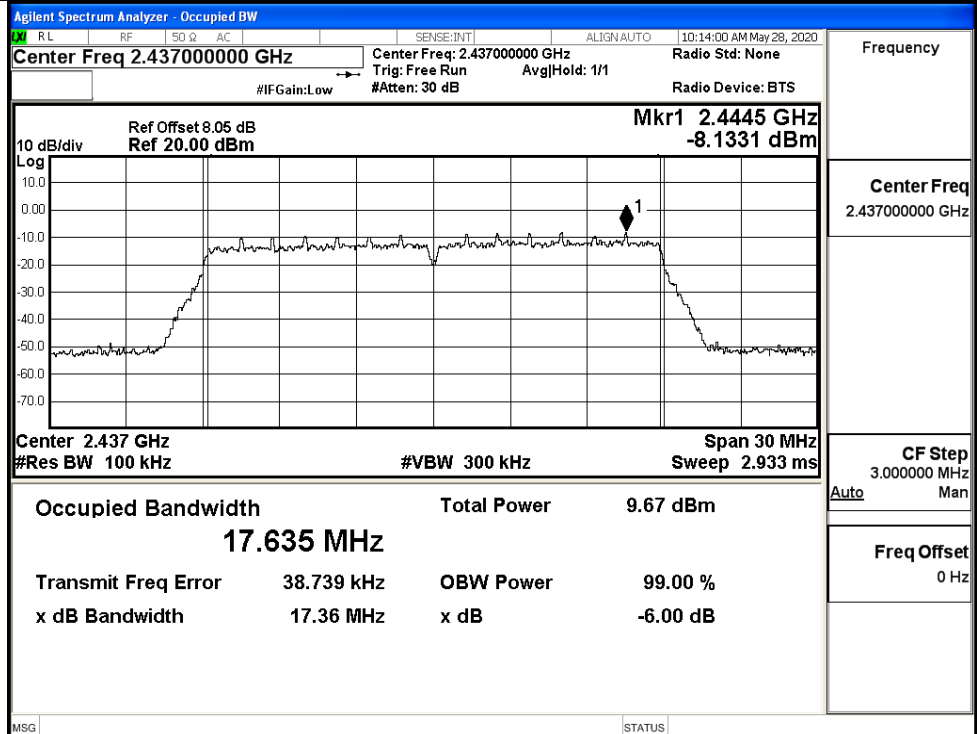
11G/HCH



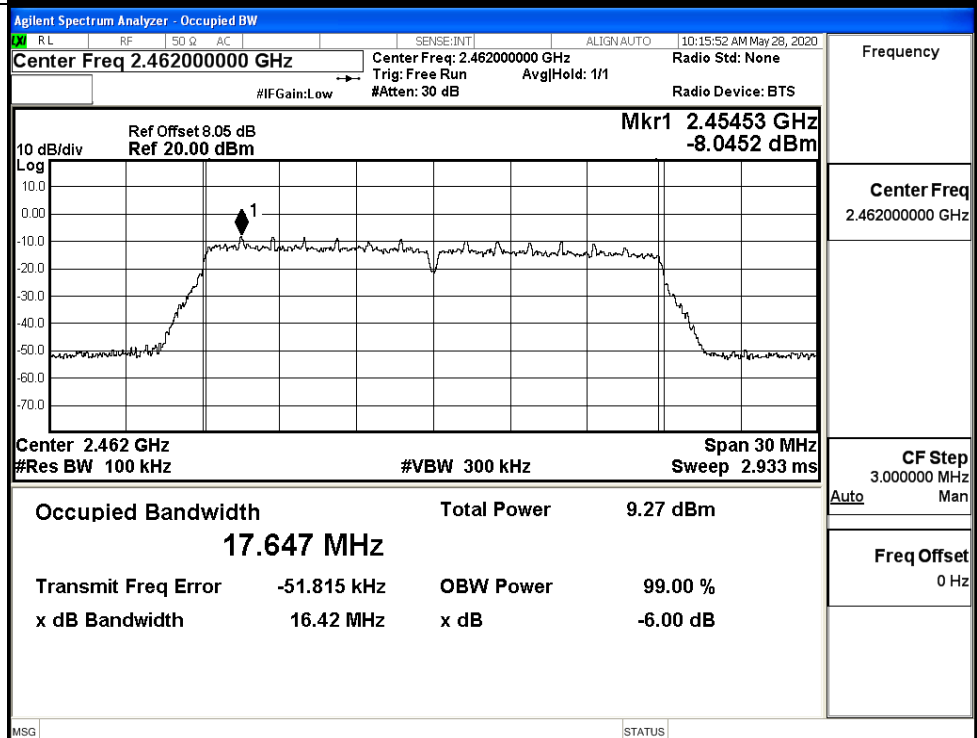
11N20SISO/LCH



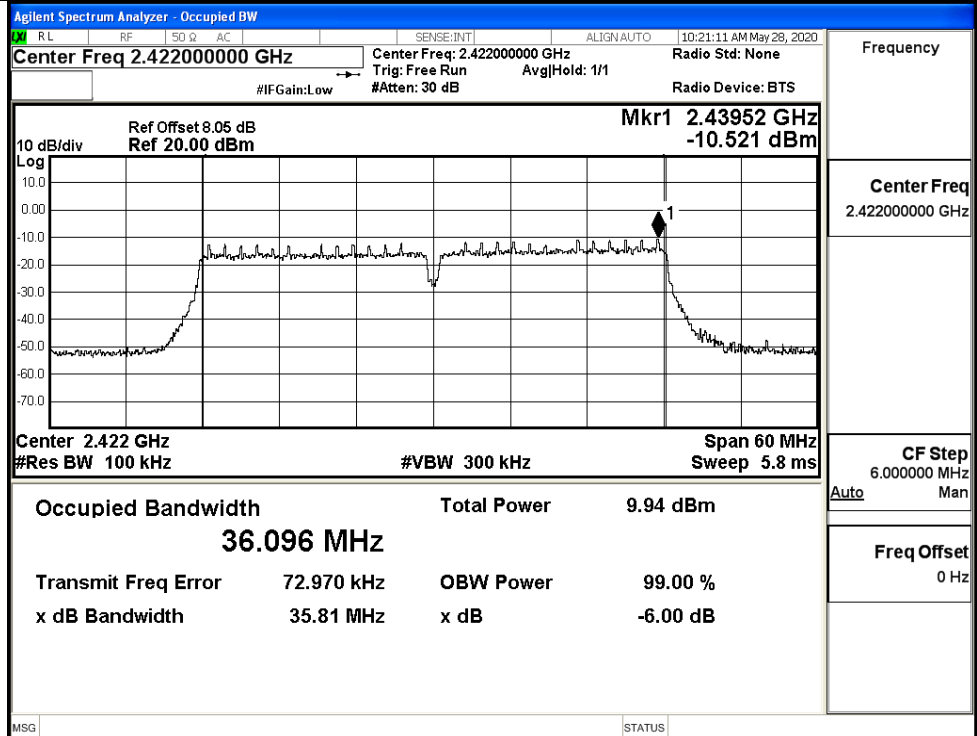
11N20SISO/MCH



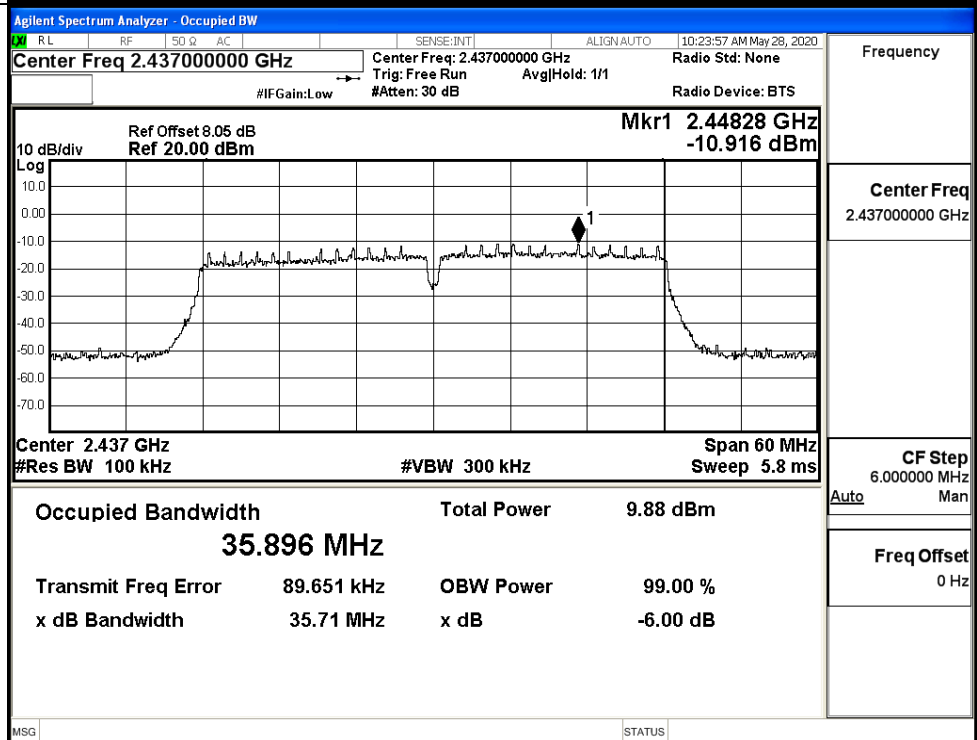
11N20SISO/HCH

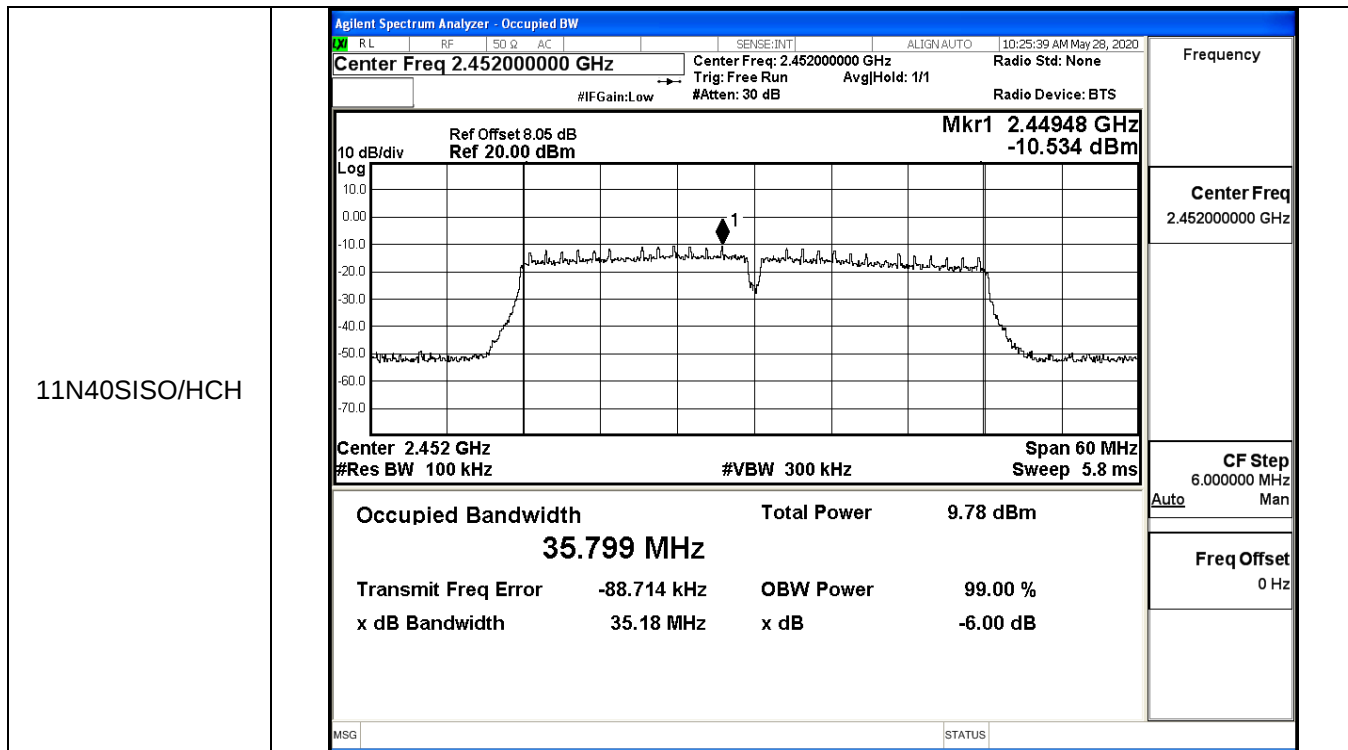


11N40SISO/LCH



11N40SISO/MCH

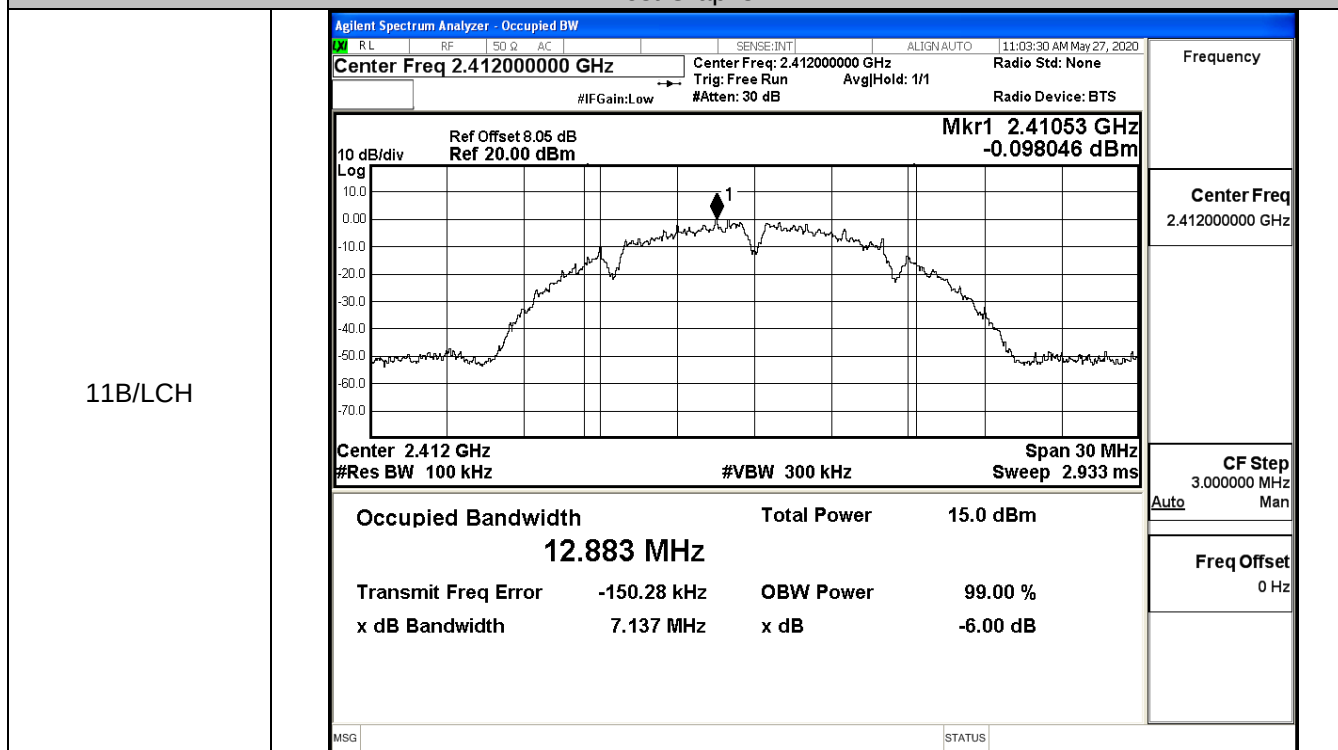




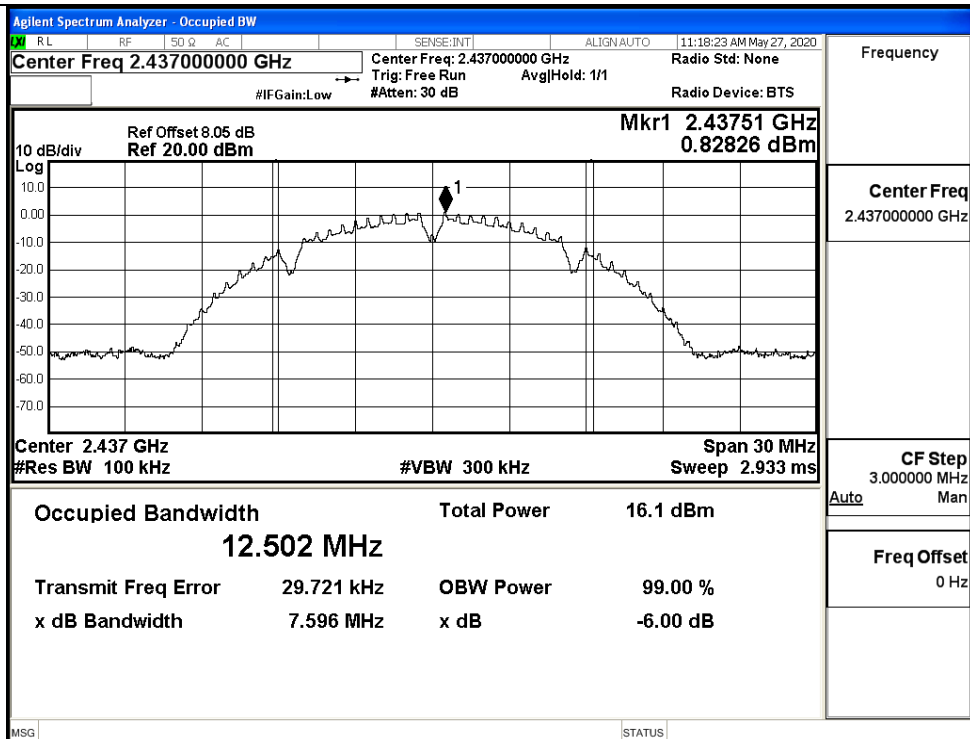
ANT1

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

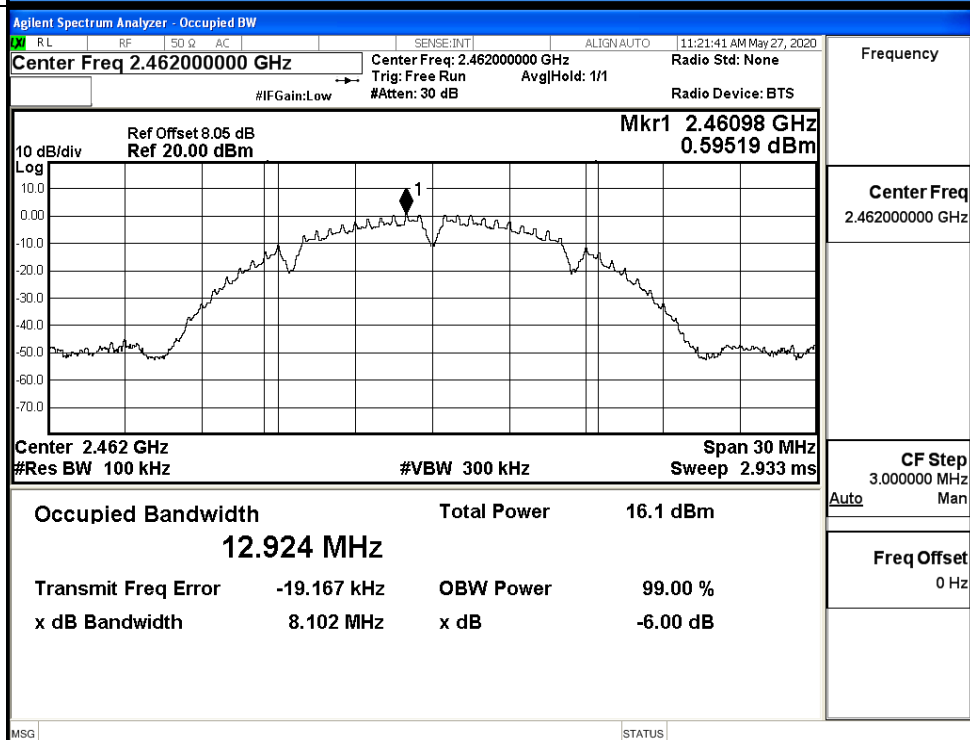
Test Graphs



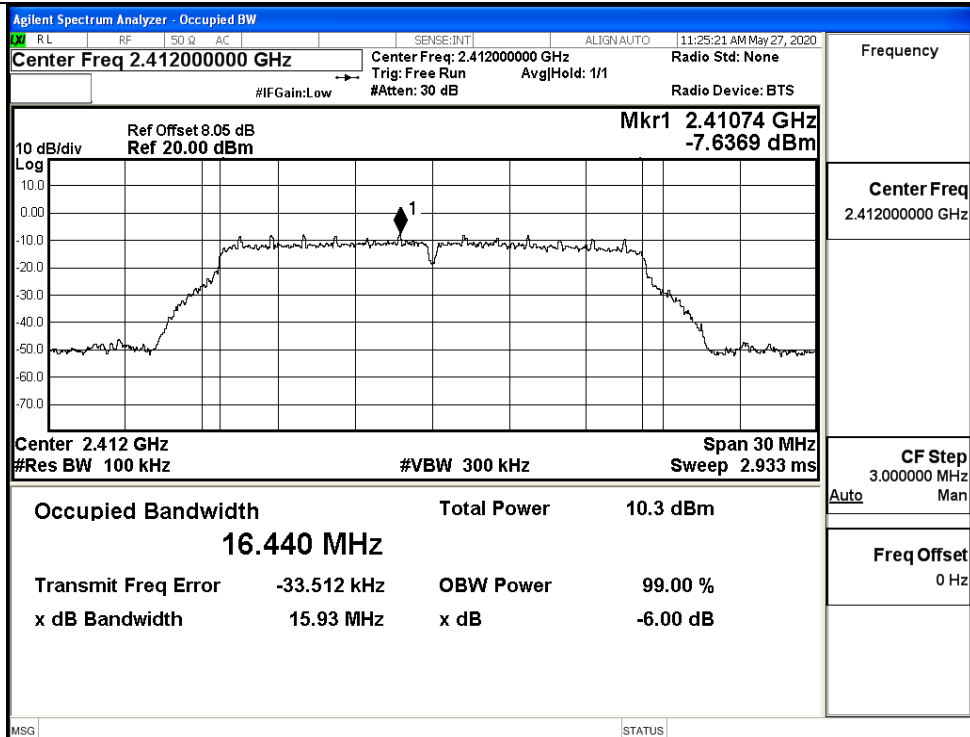
11B/MCH



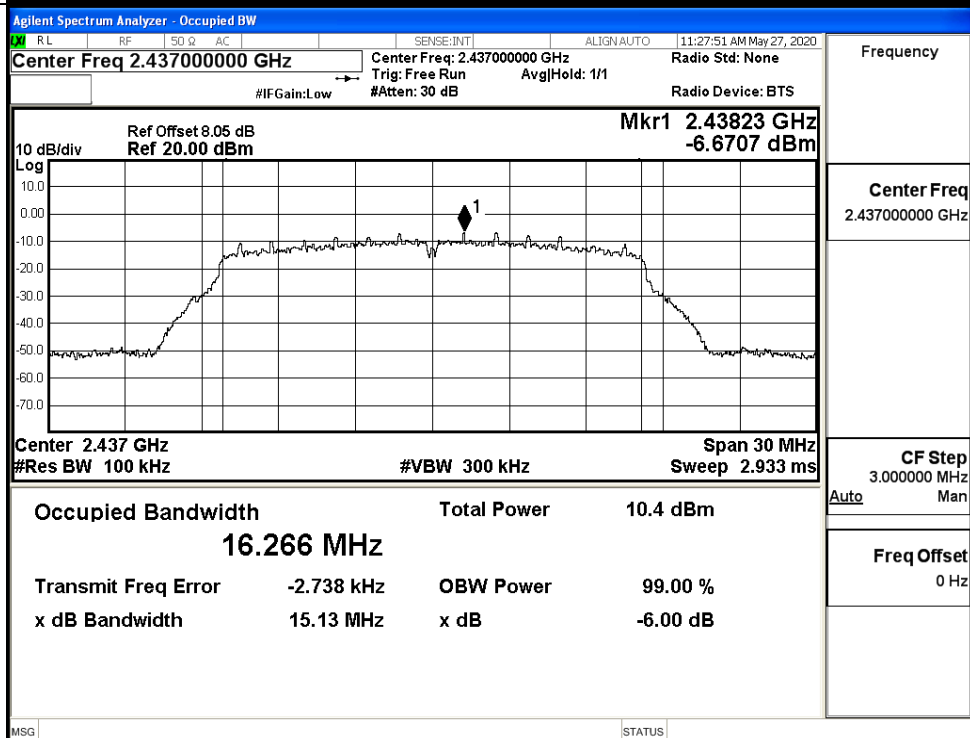
11B/HCH



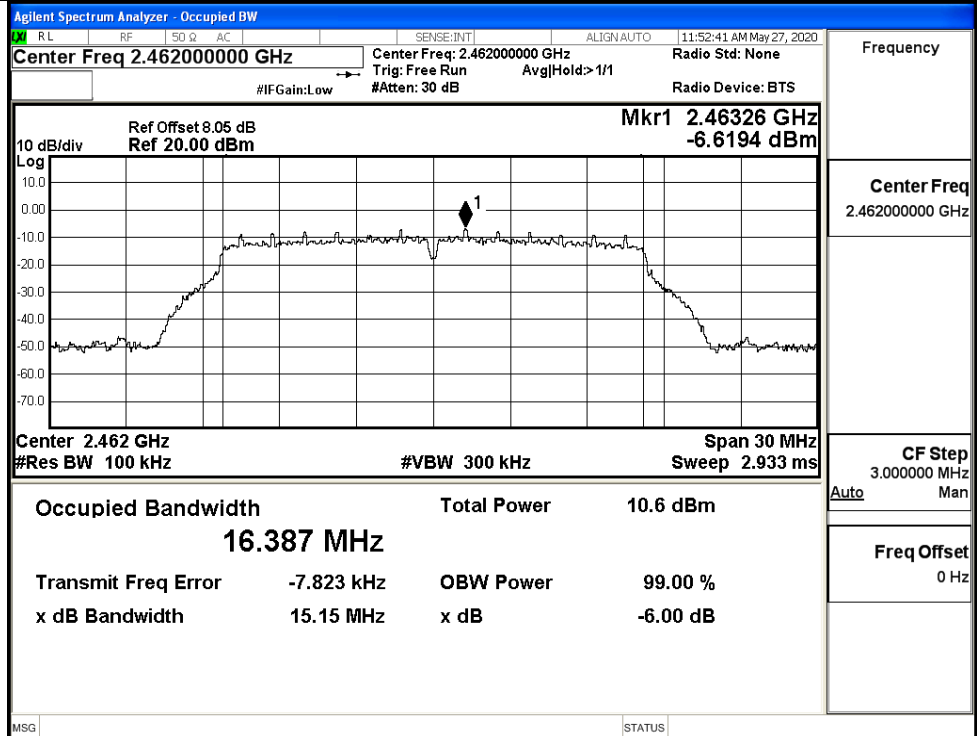
11G/LCH



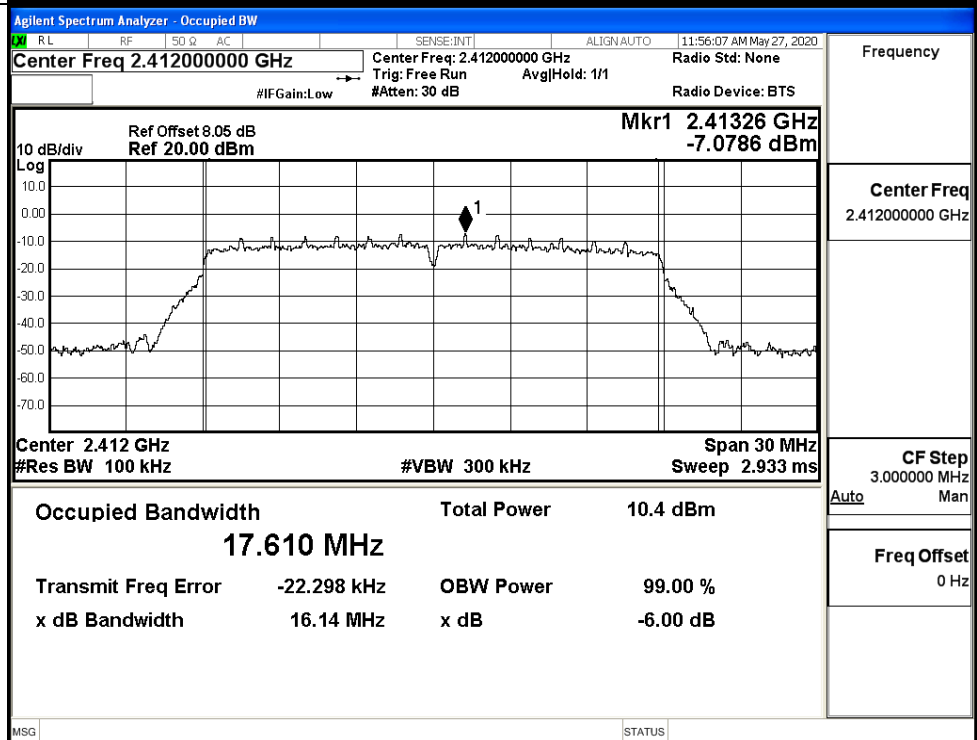
11G/MCH



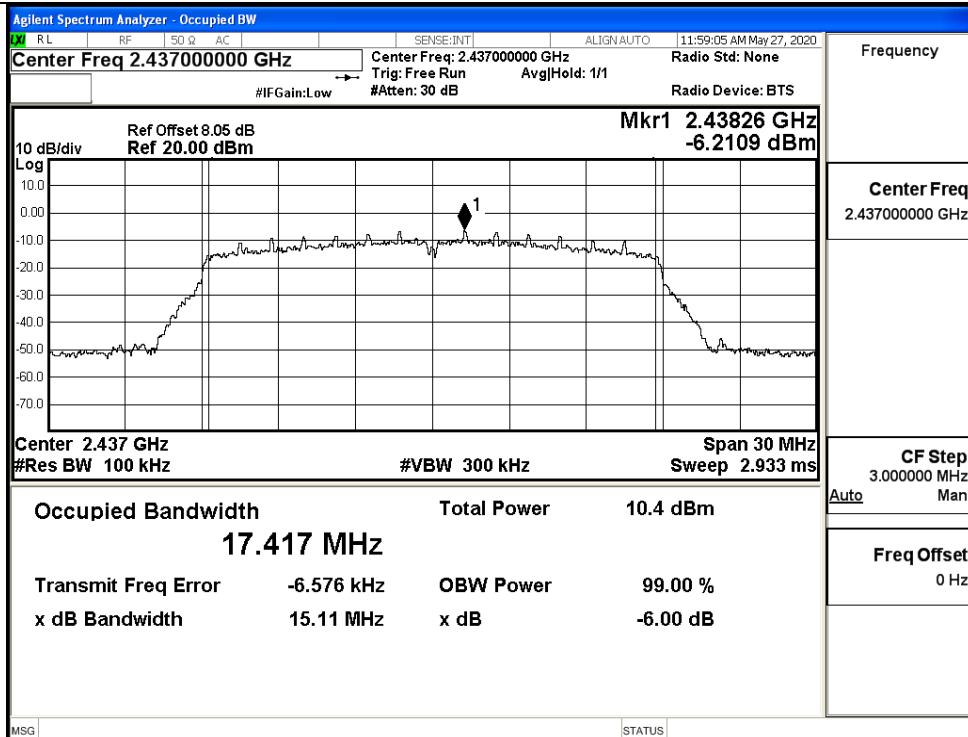
11G/HCH



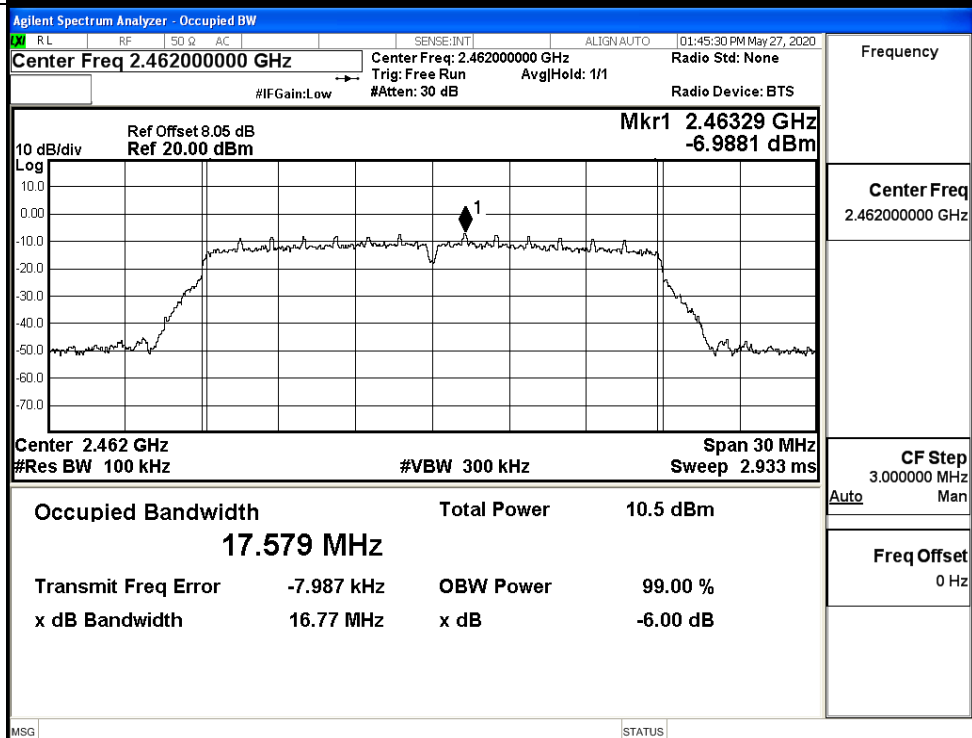
11N20SISO/LCH



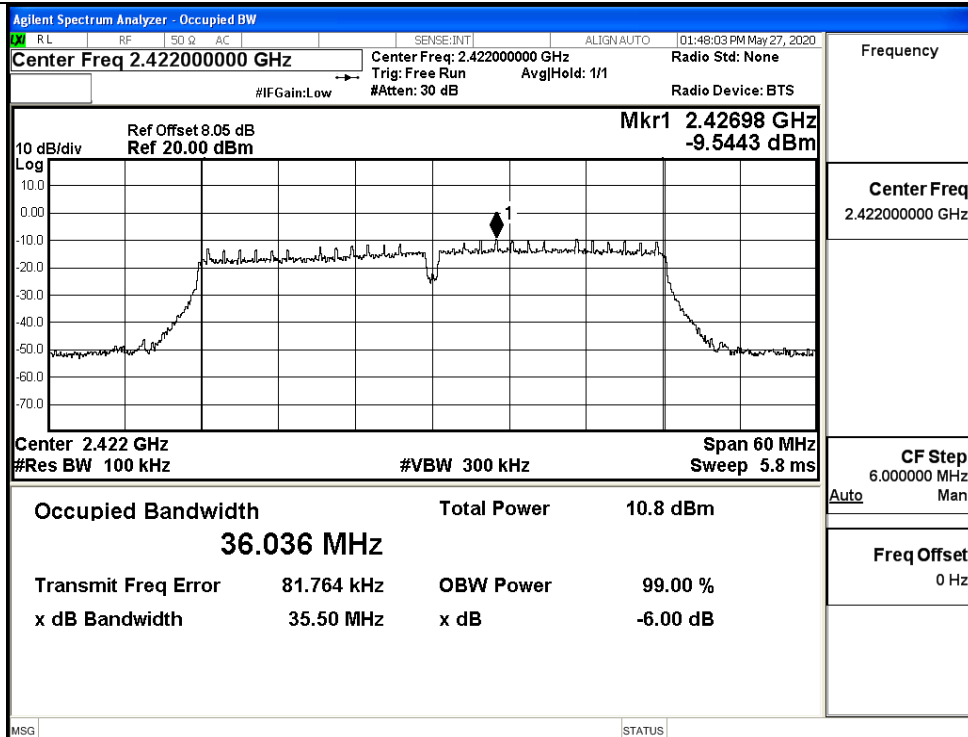
11N20SISO/MCH



11N20SISO/HCH



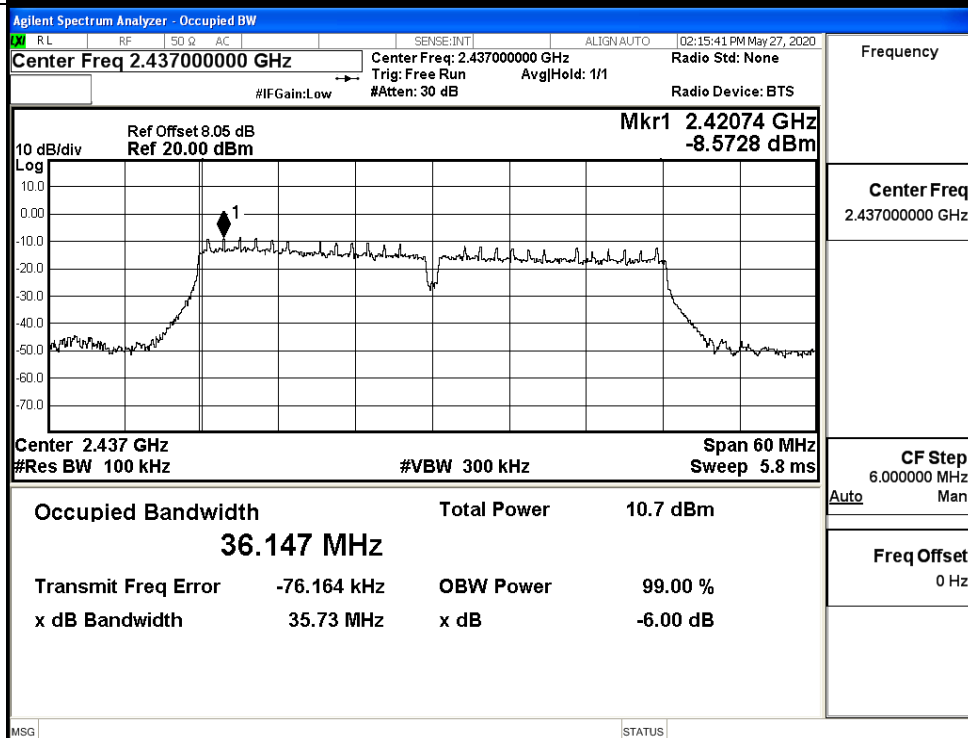
11N40SISO/LCH



Frequency

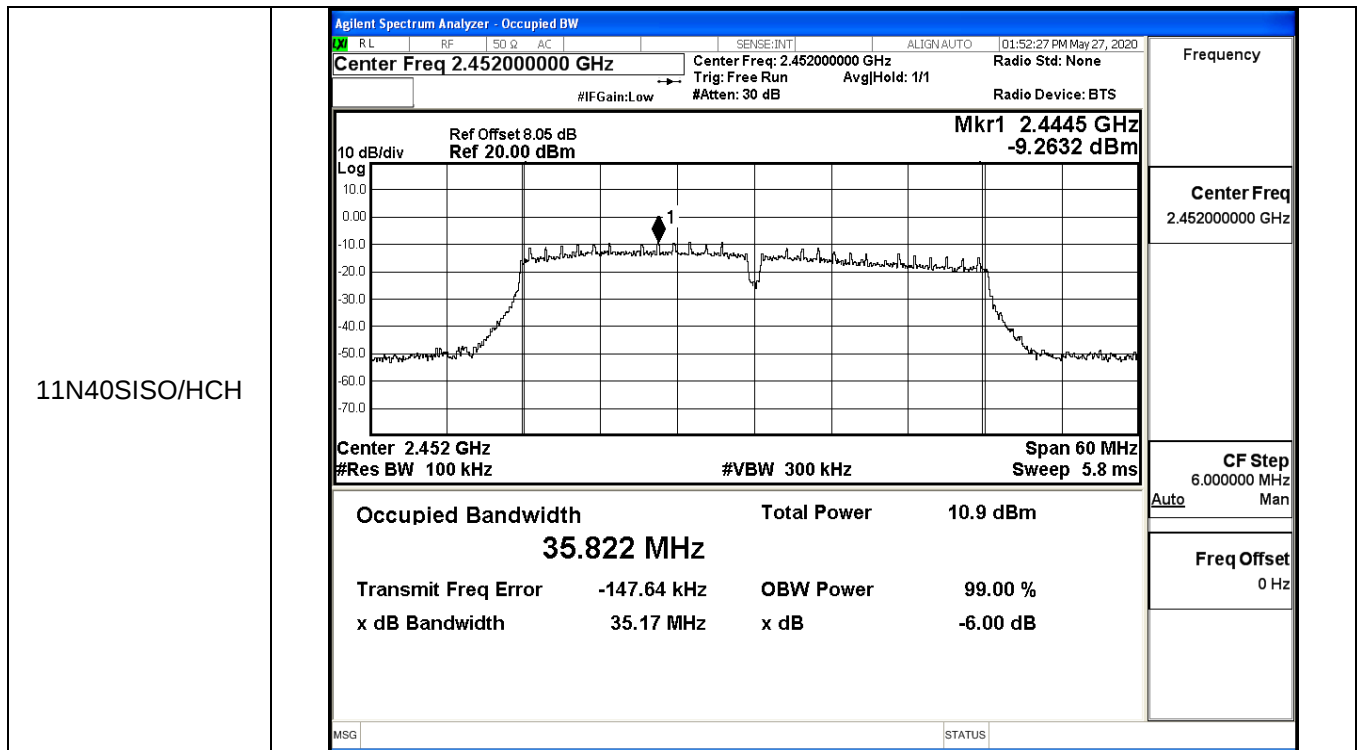
Center Freq
2.422000000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

11N40SISO/MCH



Frequency

Center Freq
2.437000000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz



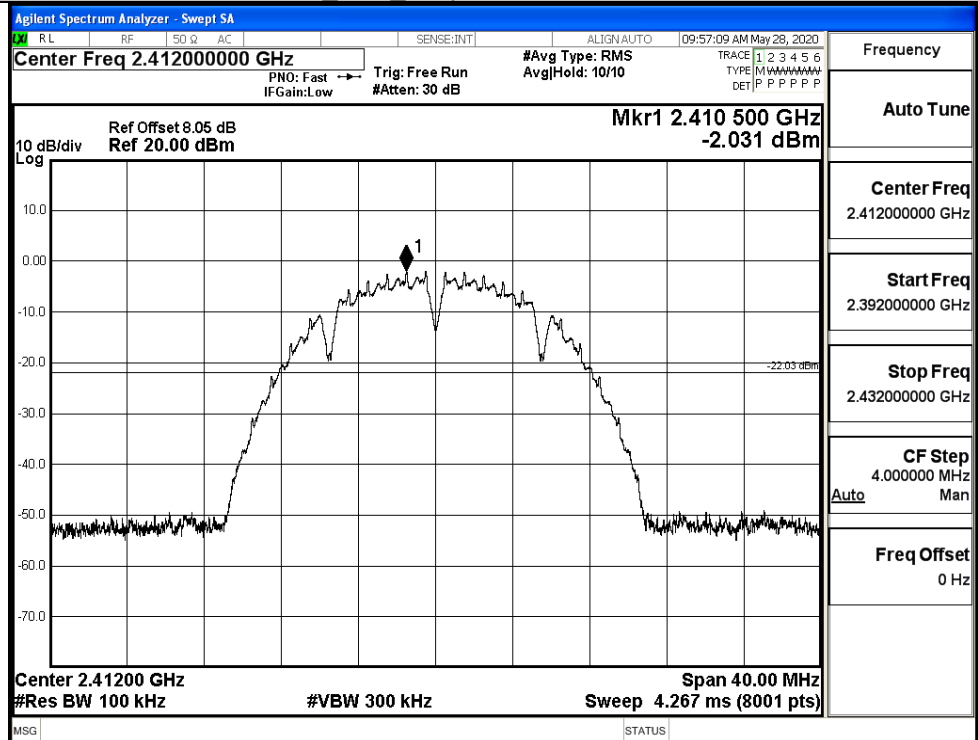
C.5 RF Conducted Spurious Emissions

ANT0

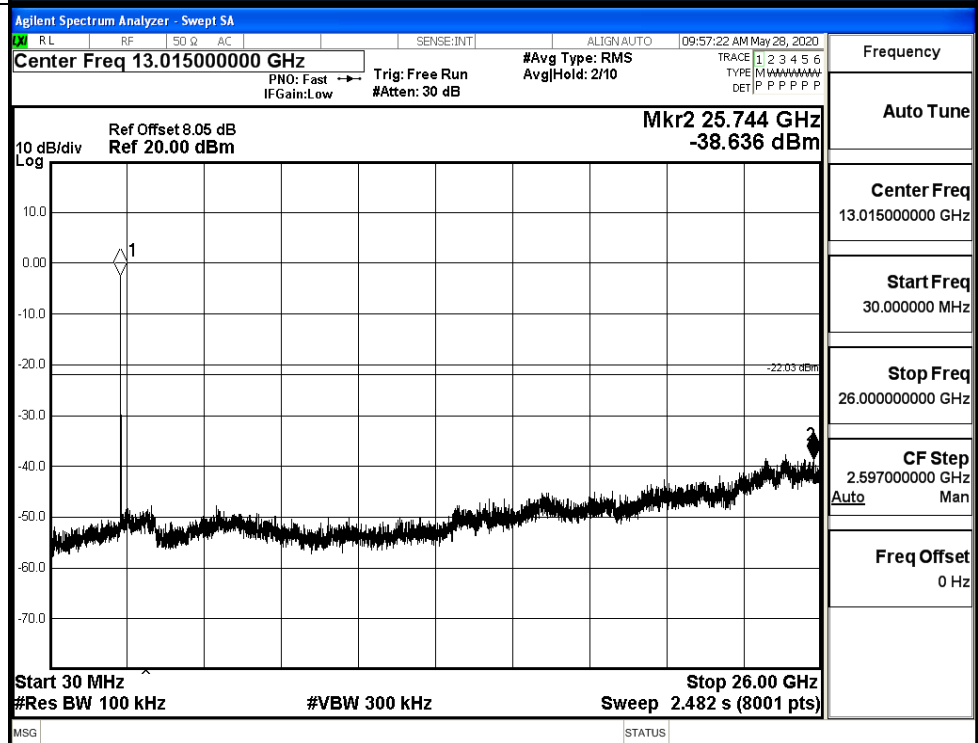
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.031	-38.636	-22.031	PASS
	MCH	-1.398	-38.018	-21.398	PASS
	HCH	-2.214	-37.927	-22.214	PASS
11G	LCH	-8.645	-38.482	-28.645	PASS
	MCH	-8.113	-38.275	-28.113	PASS
	HCH	-7.904	-37.897	-27.904	PASS
11N20 SISO	LCH	-8.914	-38.181	-28.914	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

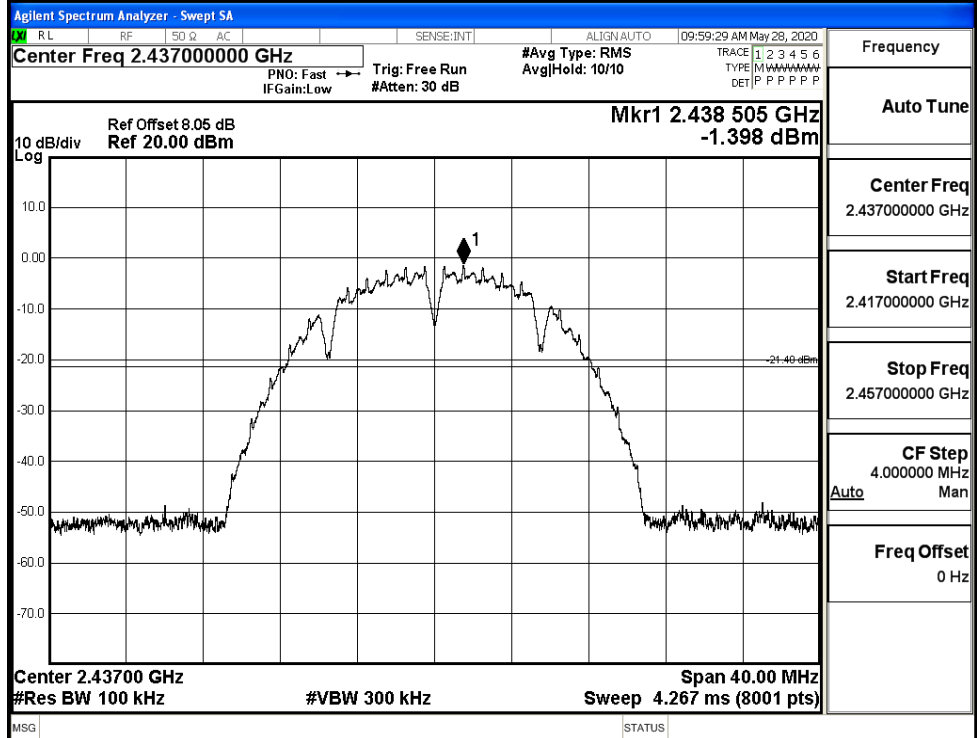


Puw/11B/LCH

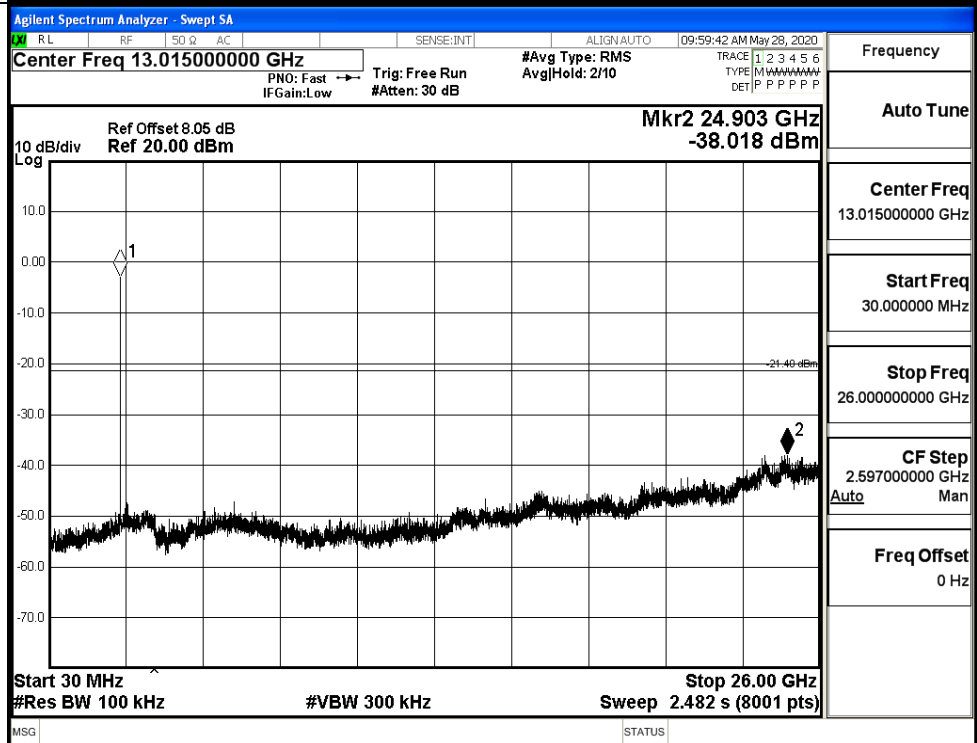


11B MCH Graphs

Pref/11B/MCH

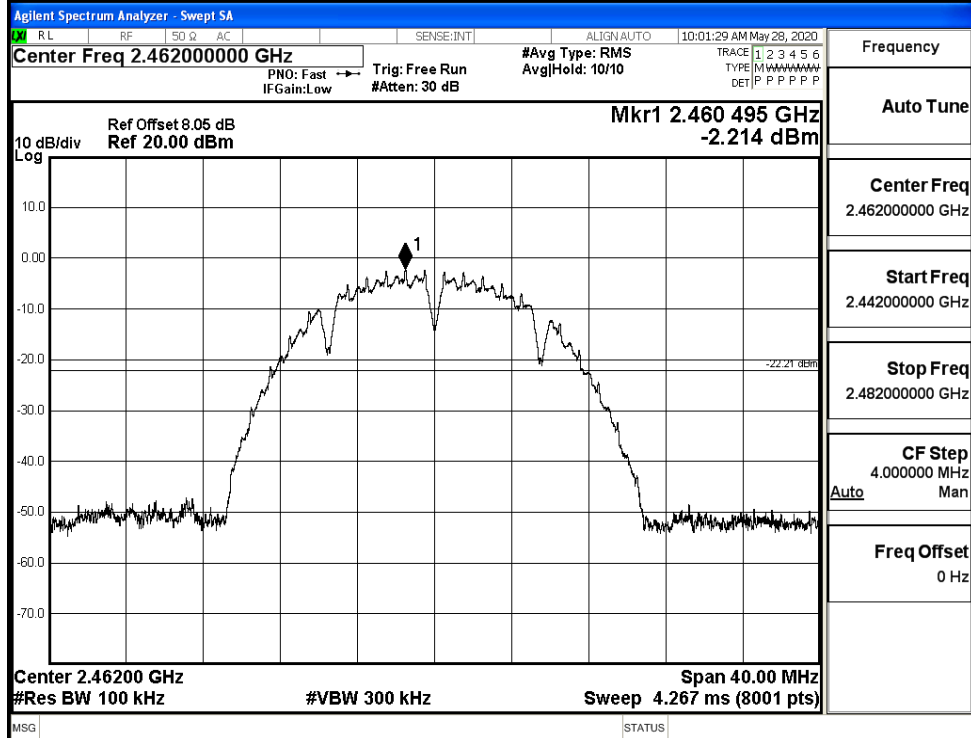


Puw/11B/MCH

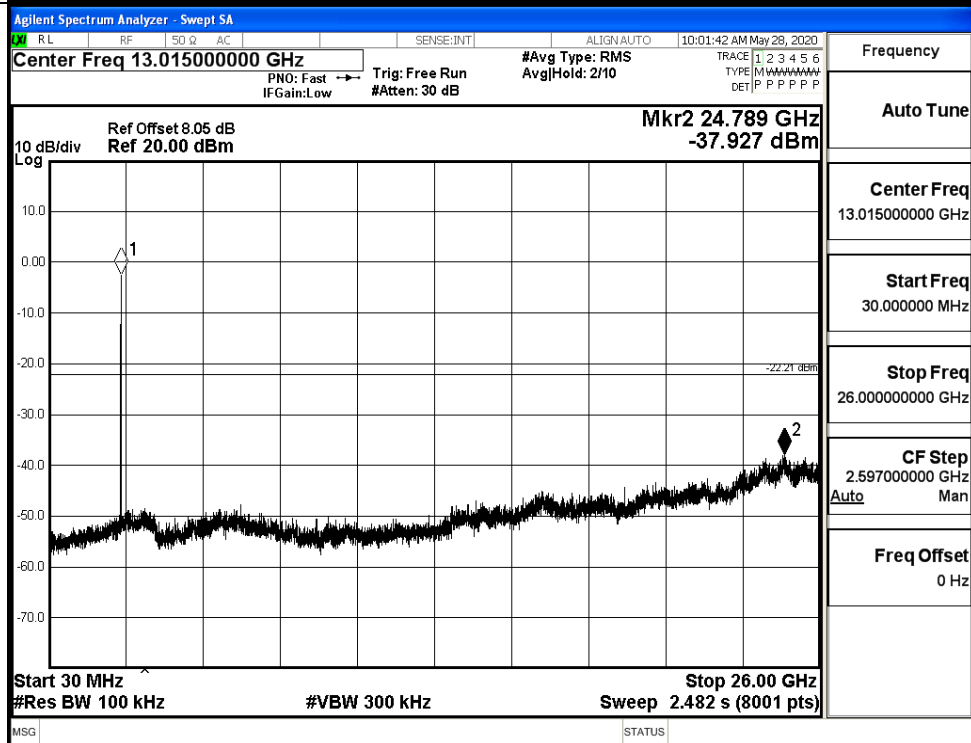


11B HCH Graphs

Pref/11B/HCH

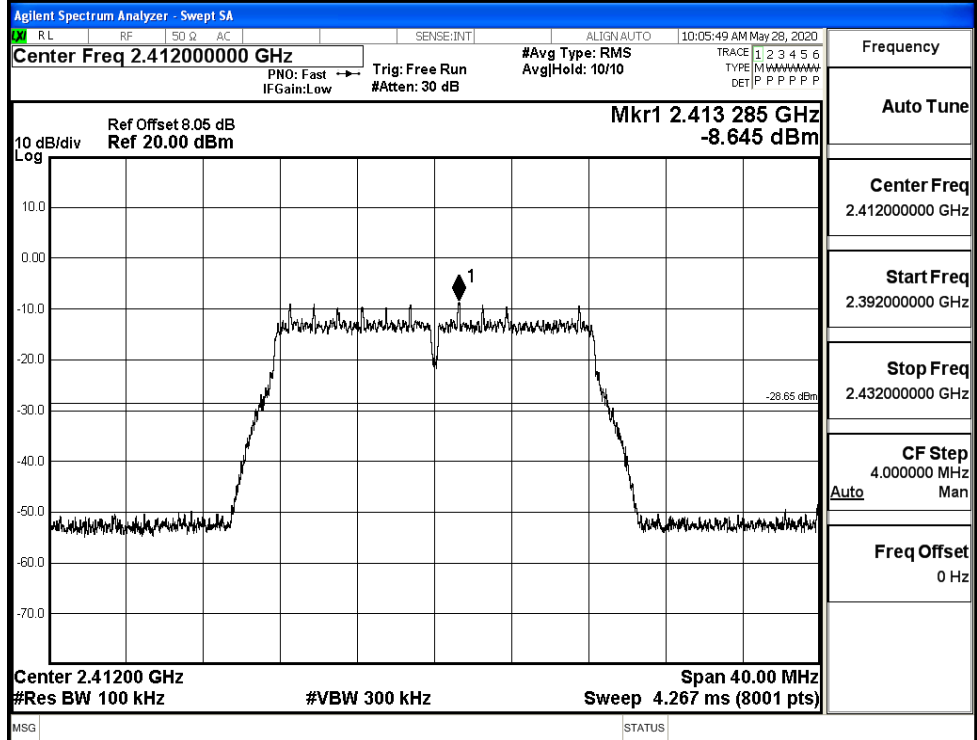


Puw/11B/HCH

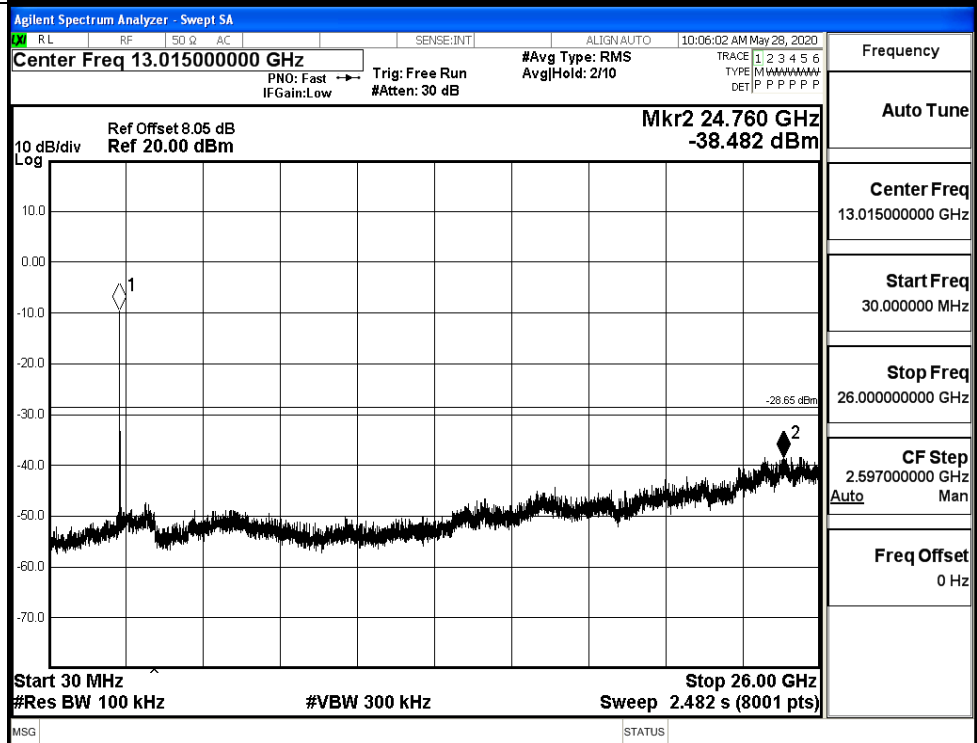


11G LCH Graphs

Pref/11G/LCH

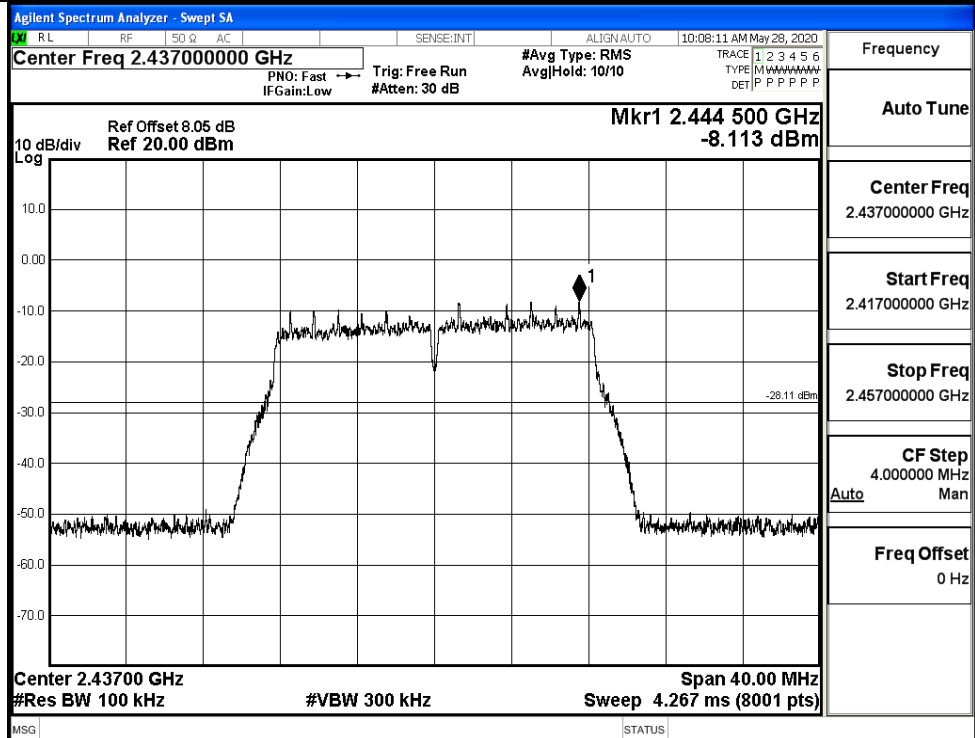


Puw/11G/LCH

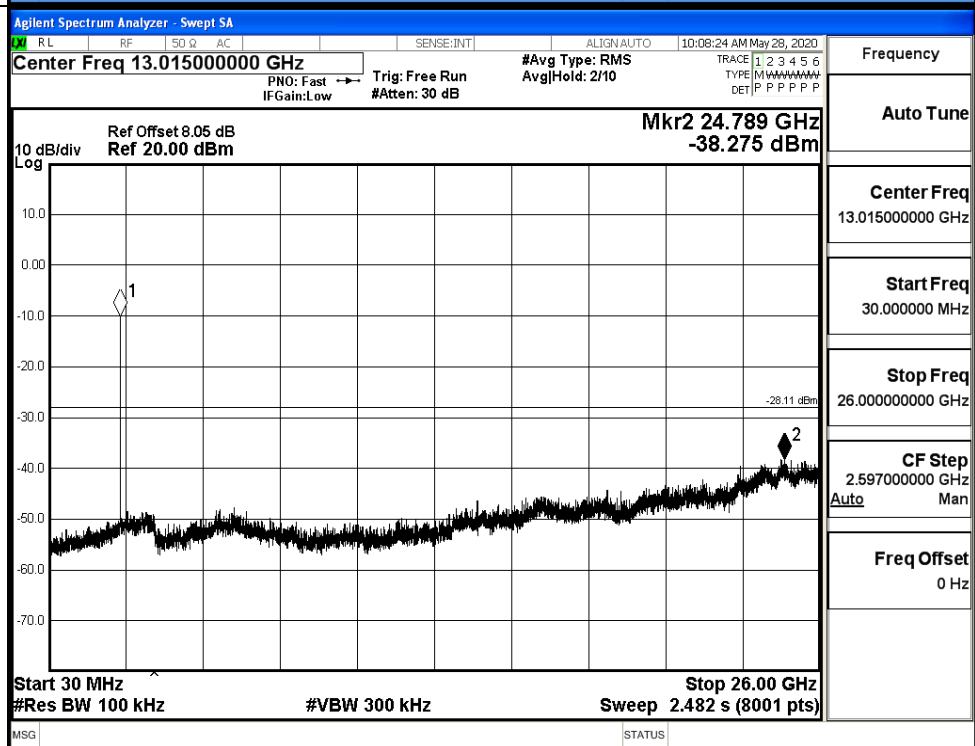


11G MCH Graphs

Pref/11G/MCH

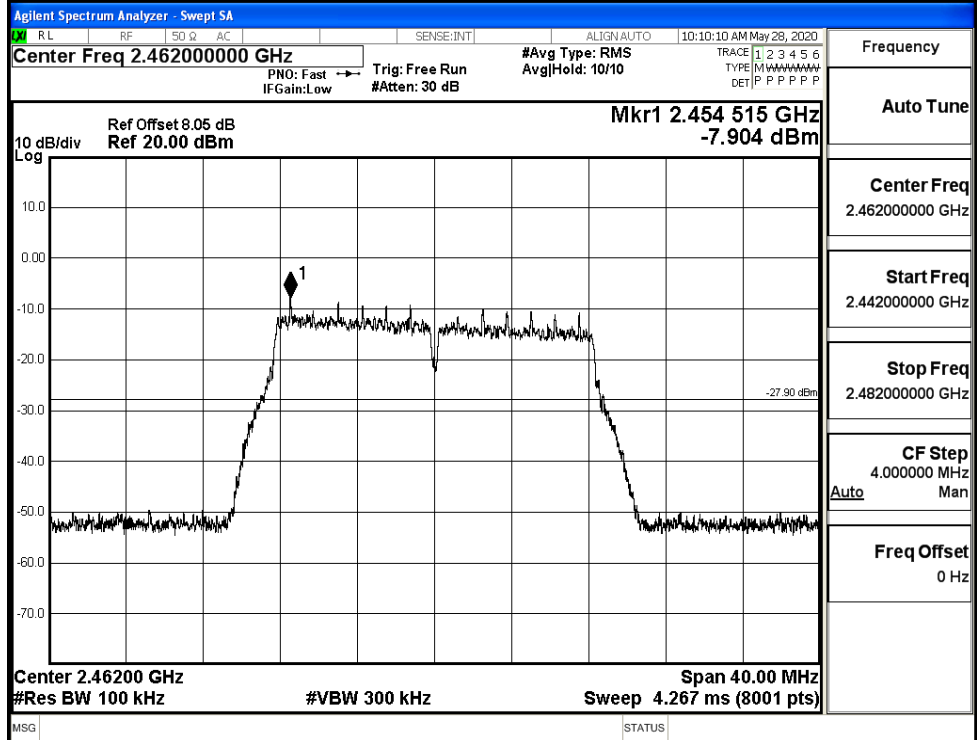


Puw/11G/MCH

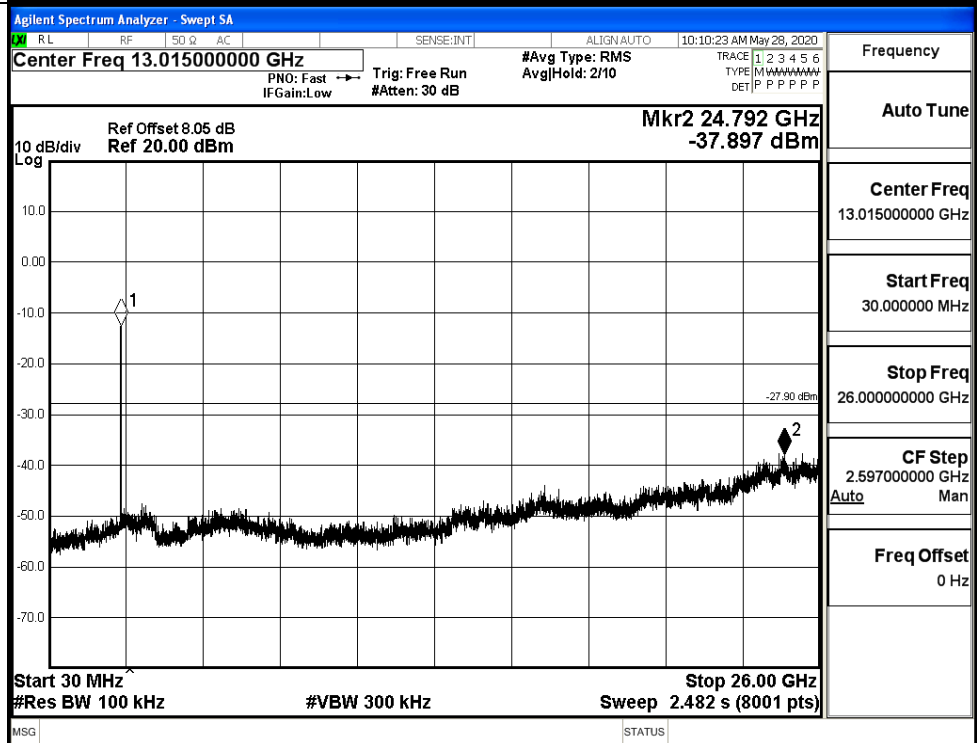


11G HCH Graphs

Pref/11G/HCH

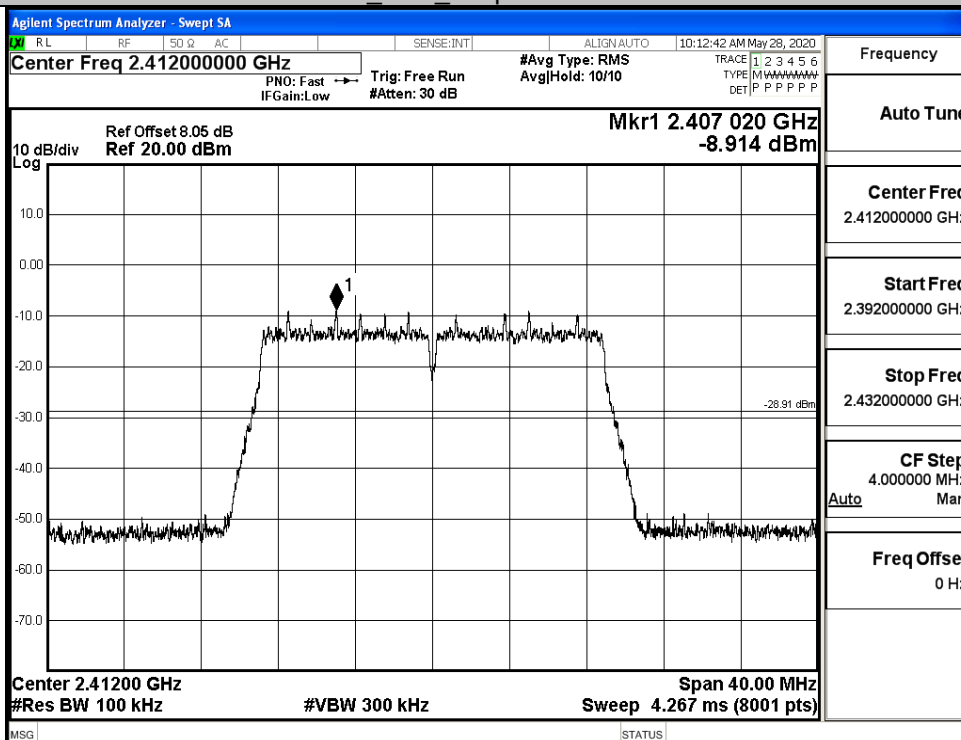


Puw/11G/HCH

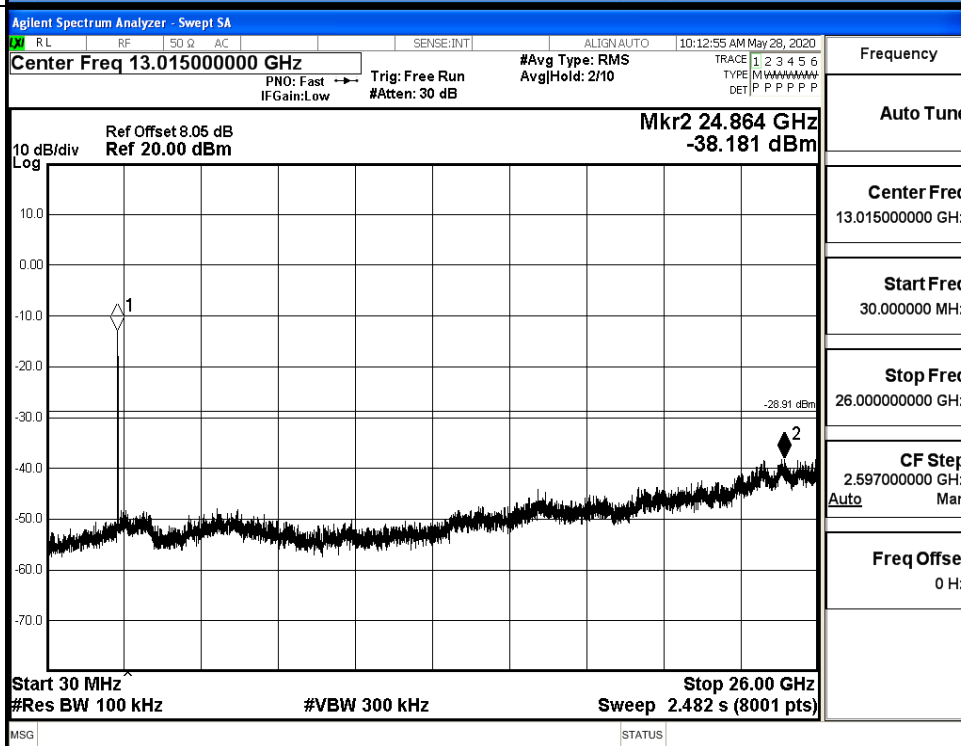


11N20SISO LCH Graphs

Pref/11N20SIS
O/LCH

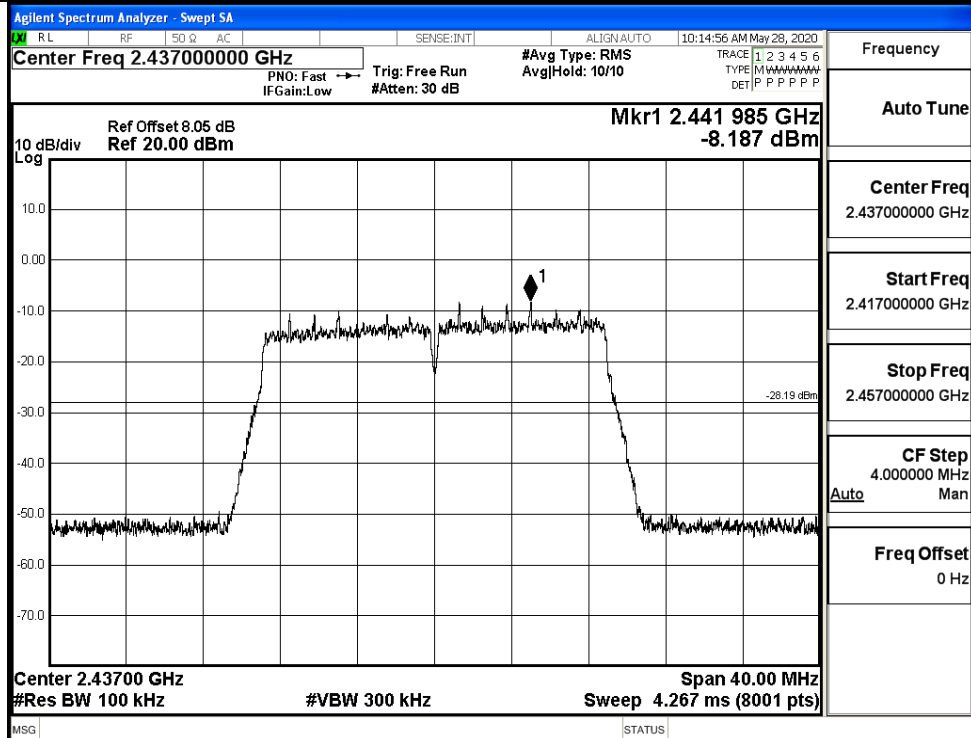


Puw/11N20
SISO/LCH

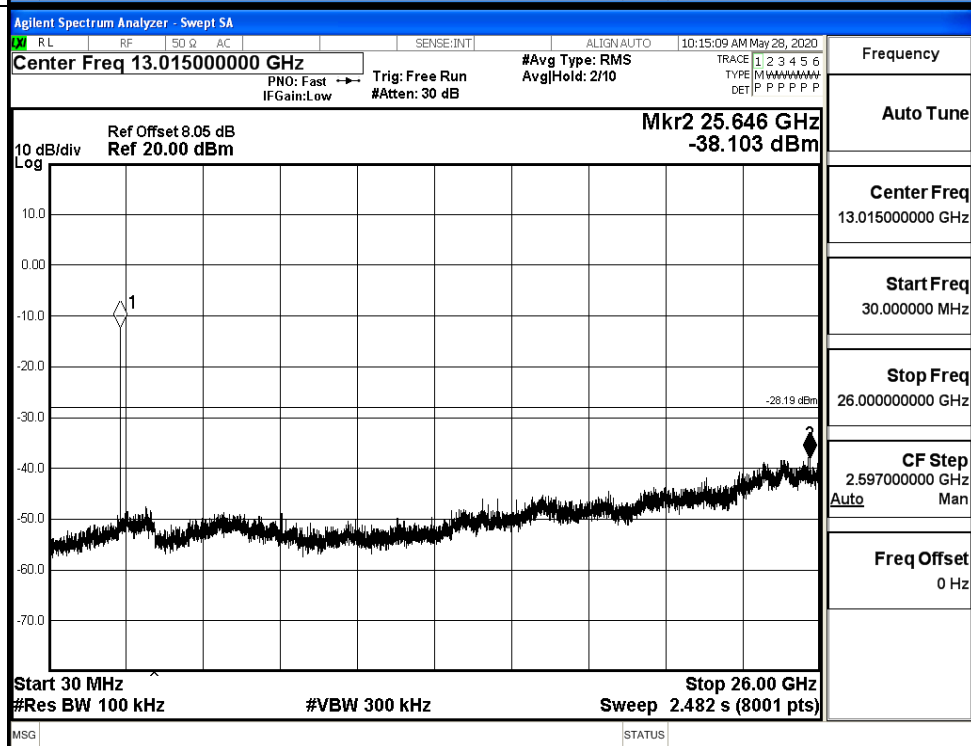


11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCH

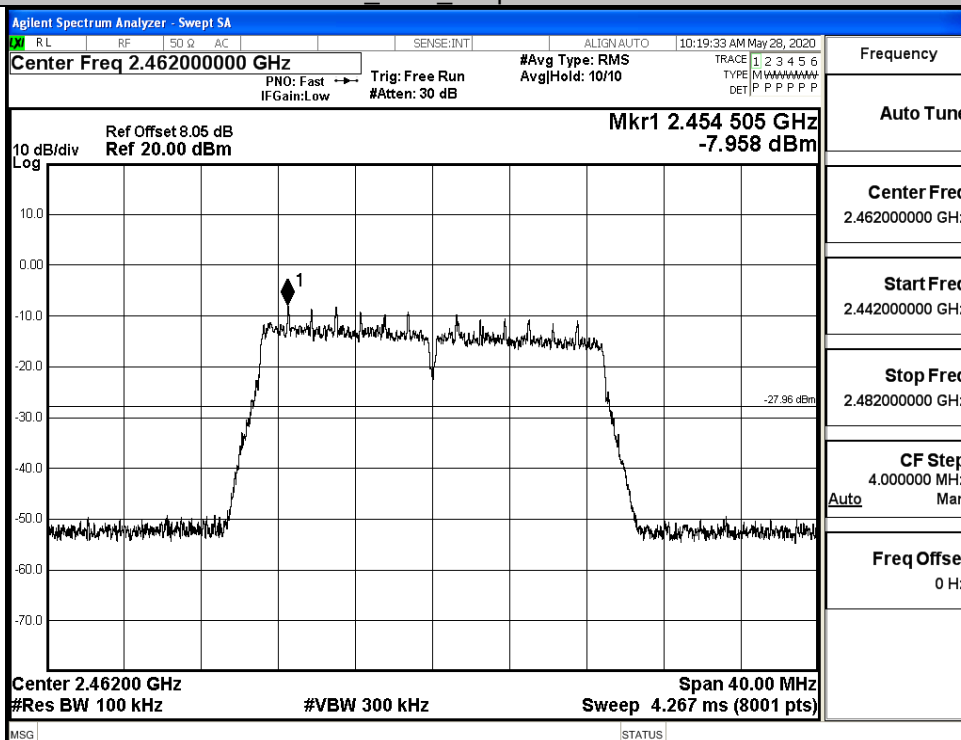


Puw/11N20
SISO/MCH



11N20SISO HCH Graphs

Pref/11N20
SISO/HCH



Puw/11N20
SISO/HCH

