

Appendix B

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: AIO PC

Trade Mark: Fusion5

Test Model: A7

Environmental Conditions

Temperature:	22.6 ° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom Liu
Supervised by:	Jayden Zhuo

B.1 Duty Cycle

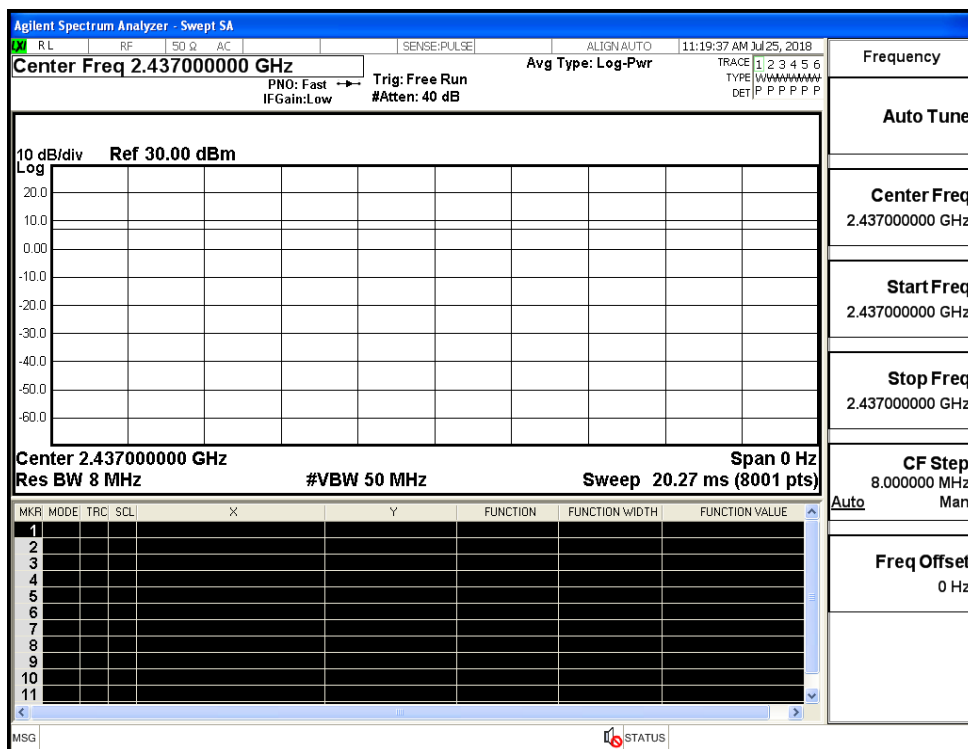
Antenna 0

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

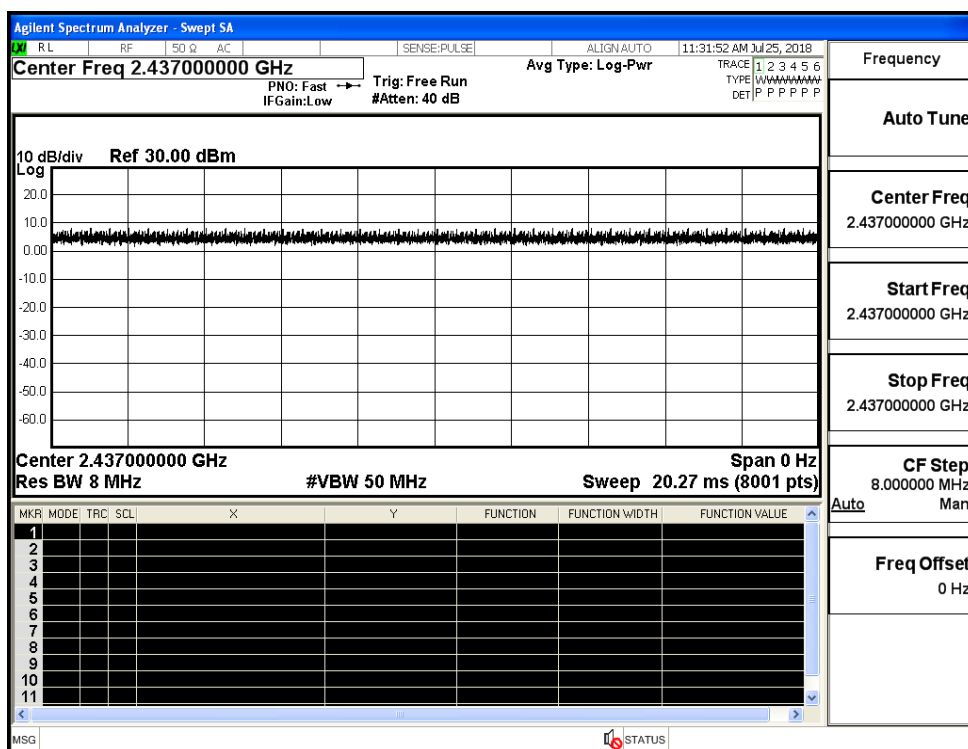
Antenna 1

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

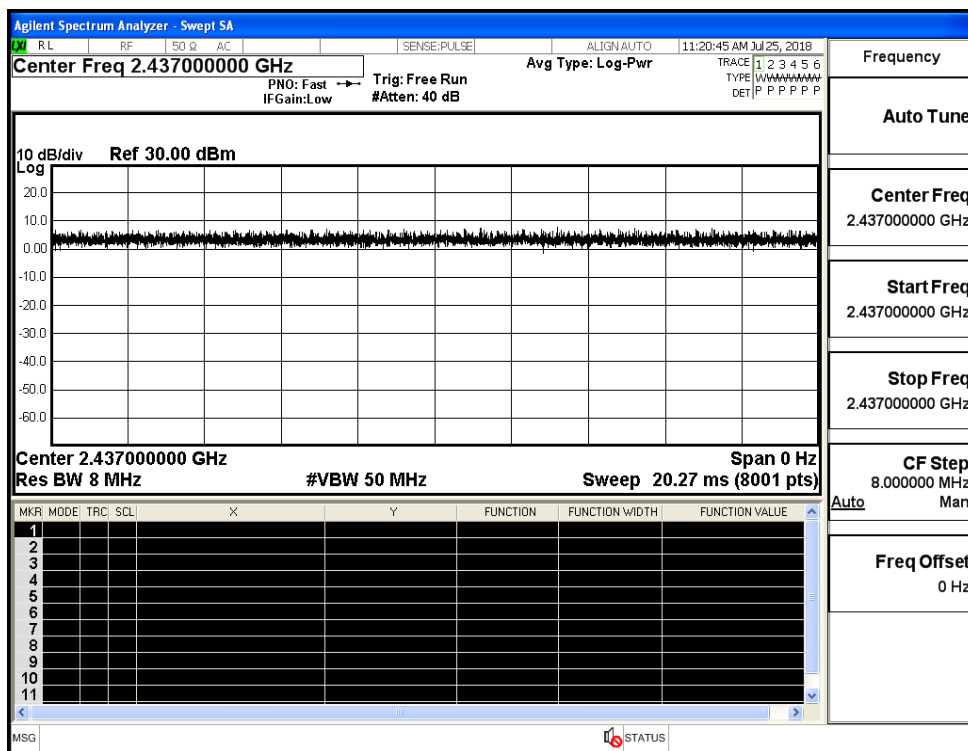
Duty Cycle_11B_2437_Ant0



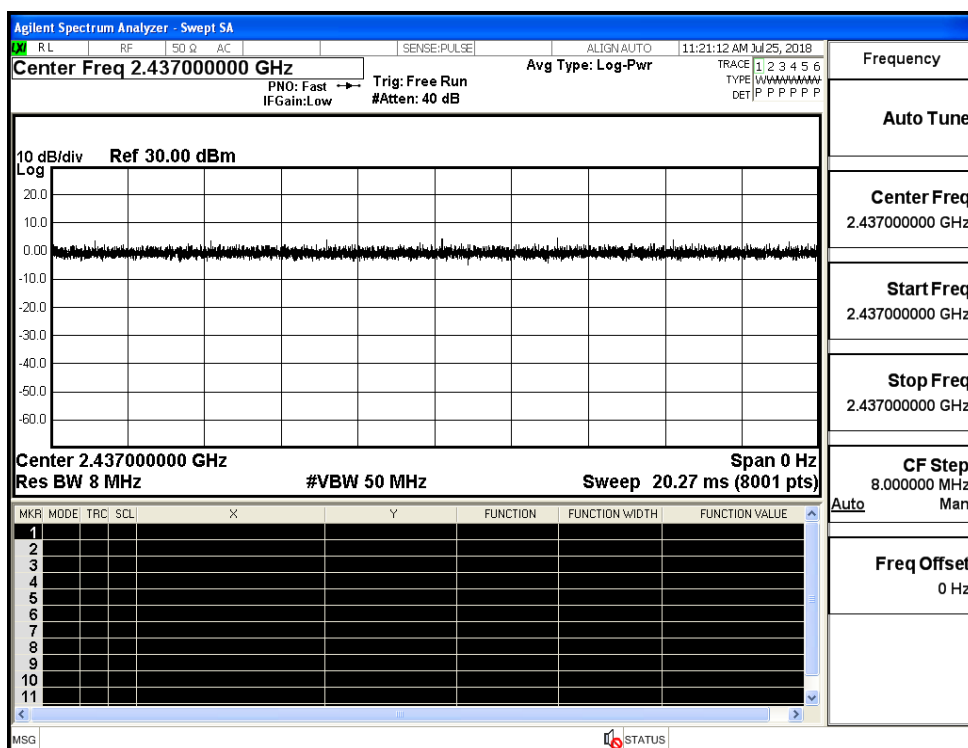
Duty Cycle_11G_2437_Ant0



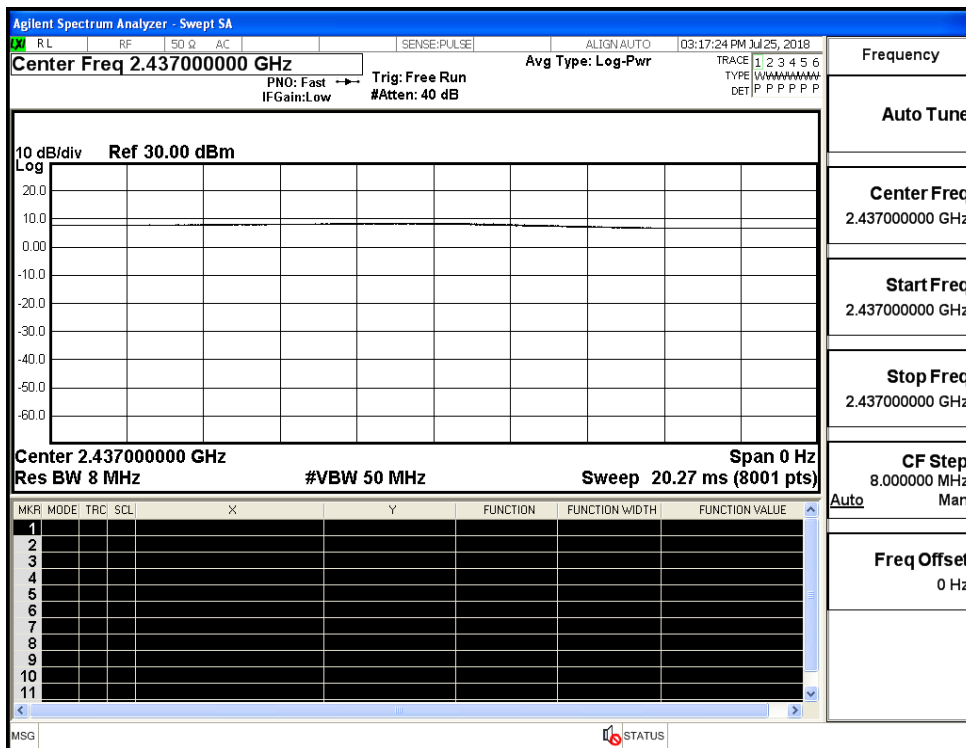
Duty Cycle_11N20_2437_Ant0



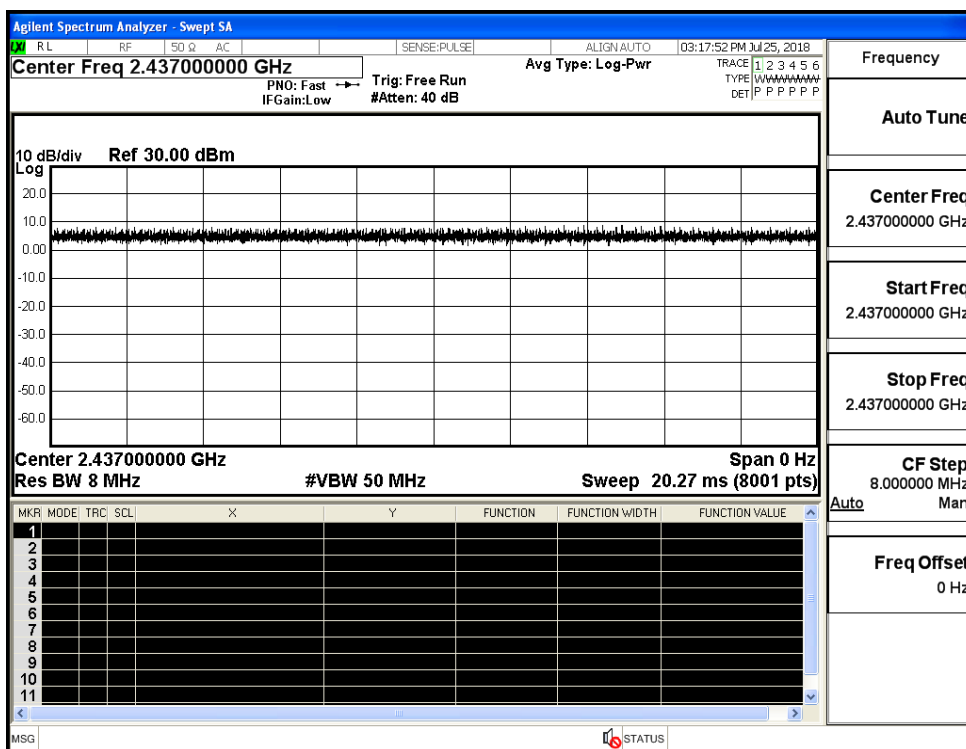
Duty Cycle_11N40_2437_Ant0



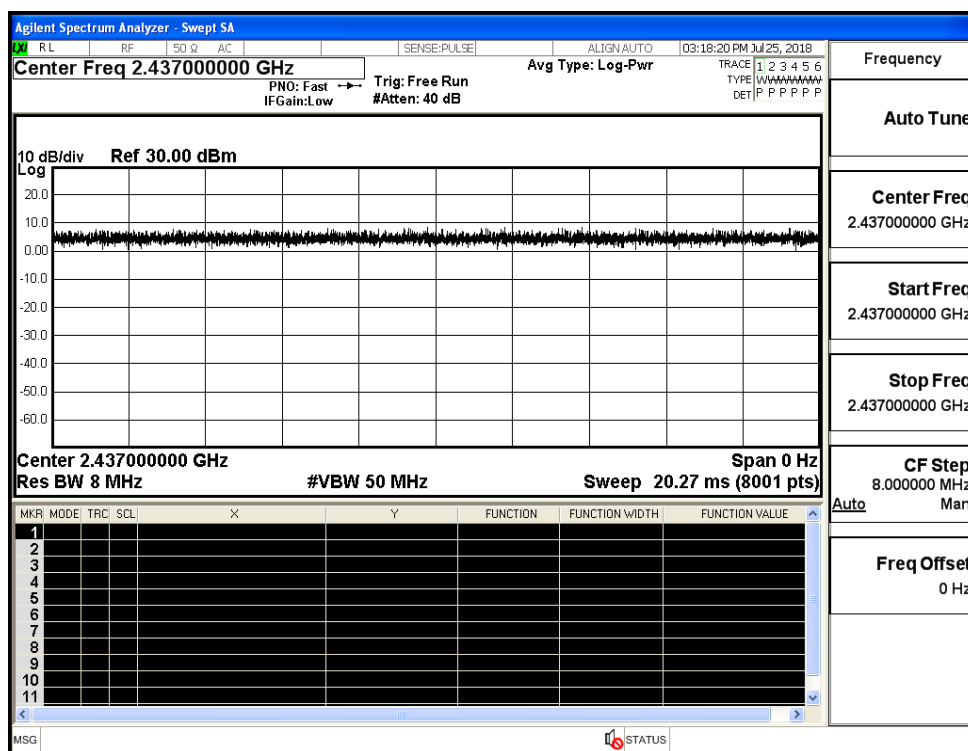
Duty Cycle_11B_2437_Ant1



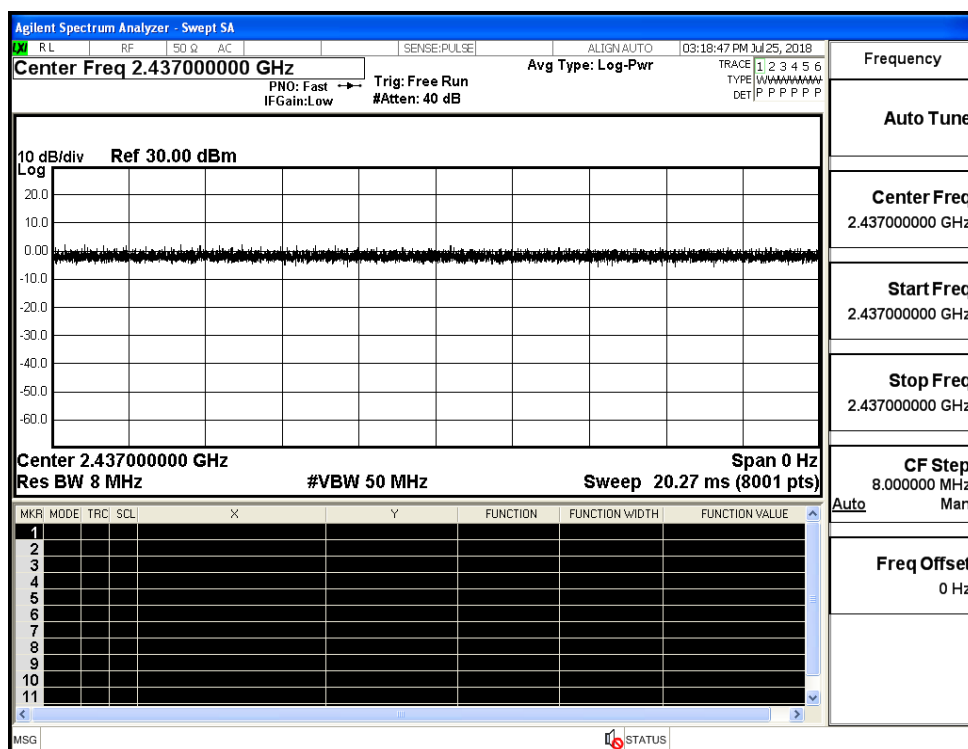
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20_2437_Ant1



Duty Cycle_11N40_2437_Ant1



B.2 Maximum Conducted Output Power

Antenna 0

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	12.54	30	PASS
	MCH	12.87	30	PASS
	HCH	12.58	30	PASS
11G	LCH	13.49	30	PASS
	MCH	13.97	30	PASS
	HCH	14.24	30	PASS
11N20	LCH	12.71	30	PASS
	MCH	14.77	30	PASS
	HCH	14.72	30	PASS
11N40	LCH	14.63	30	PASS
	MCH	14.19	30	PASS
	HCH	14.57	30	PASS

Antenna 1

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	12.01	30	PASS
	MCH	11.64	30	PASS
	HCH	11.60	30	PASS
11G	LCH	11.98	30	PASS
	MCH	12.47	30	PASS
	HCH	13.91	30	PASS
11N20	LCH	13.33	30	PASS
	MCH	14.55	30	PASS
	HCH	14.83	30	PASS
11N40	LCH	16.78	30	PASS
	MCH	12.16	30	PASS
	HCH	15.46	30	PASS

Antenna 0 + Antenna 1

Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		Ant0	Ant1	Sum		
11N20	LCH	12.71	13.33	16.04	30	PASS
	MCH	14.77	14.55	17.67	30	PASS
	HCH	14.72	14.83	17.79	30	PASS
11N40	LCH	14.63	16.78	18.85	30	PASS
	MCH	14.19	12.16	16.30	30	PASS
	HCH	14.57	15.46	18.05	30	PASS

B.3 Maximum Power Spectral Density

Antenna 0

Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-6.040	8	PASS
	MCH	-7.103	8	PASS
	HCH	-5.277	8	PASS
11G	LCH	-9.834	8	PASS
	MCH	-11.320	8	PASS
	HCH	-8.298	8	PASS
11N20	LCH	-9.252	8	PASS
	MCH	-10.956	8	PASS
	HCH	-8.662	8	PASS
11N40	LCH	-10.577	8	PASS
	MCH	-11.404	8	PASS
	HCH	-10.884	8	PASS

Antenna 1

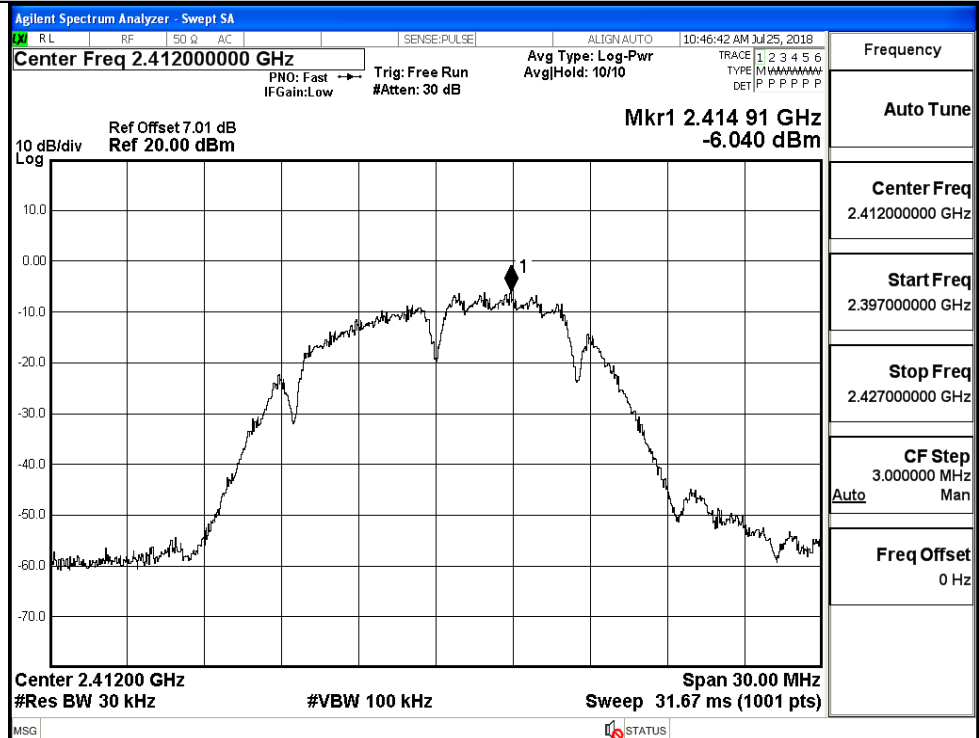
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-6.468	8	PASS
	MCH	-8.162	8	PASS
	HCH	-7.305	8	PASS
11G	LCH	-9.797	8	PASS
	MCH	-12.395	8	PASS
	HCH	-8.710	8	PASS
11N20	LCH	-9.580	8	PASS
	MCH	-11.589	8	PASS
	HCH	-8.915	8	PASS
11N40	LCH	-10.470	8	PASS
	MCH	-11.568	8	PASS
	HCH	-7.007	8	PASS

Antenna 0+Antenna 1

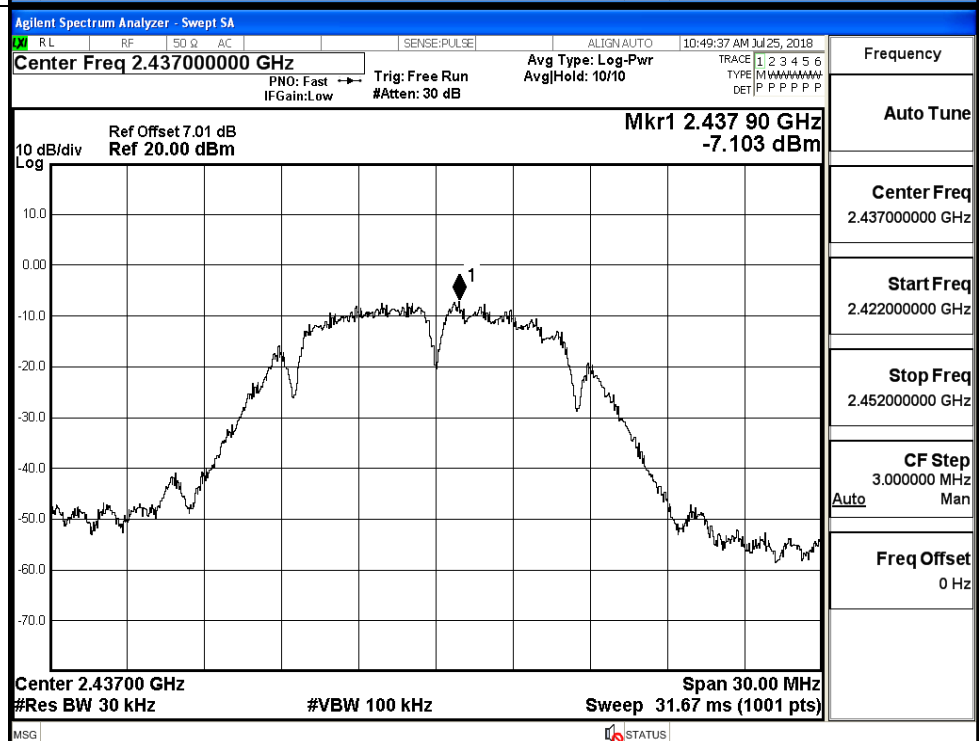
Mode	Channel	Meas.Level [dBm/30KHz]			Limit [dBm/3KHz]	Verdict
		Ant0	Ant1	Sum		
11N20	LCH	-9.252	-9.580	-6.403	8	PASS
	MCH	-10.956	-11.589	-8.251	8	PASS
	HCH	-8.662	-8.915	-5.776	8	PASS
11N40	LCH	-10.577	-10.470	-7.513	8	PASS
	MCH	-11.404	-11.568	-8.475	8	PASS
	HCH	-10.884	-7.007	-5.516	8	PASS

Test Graphs_Ant0

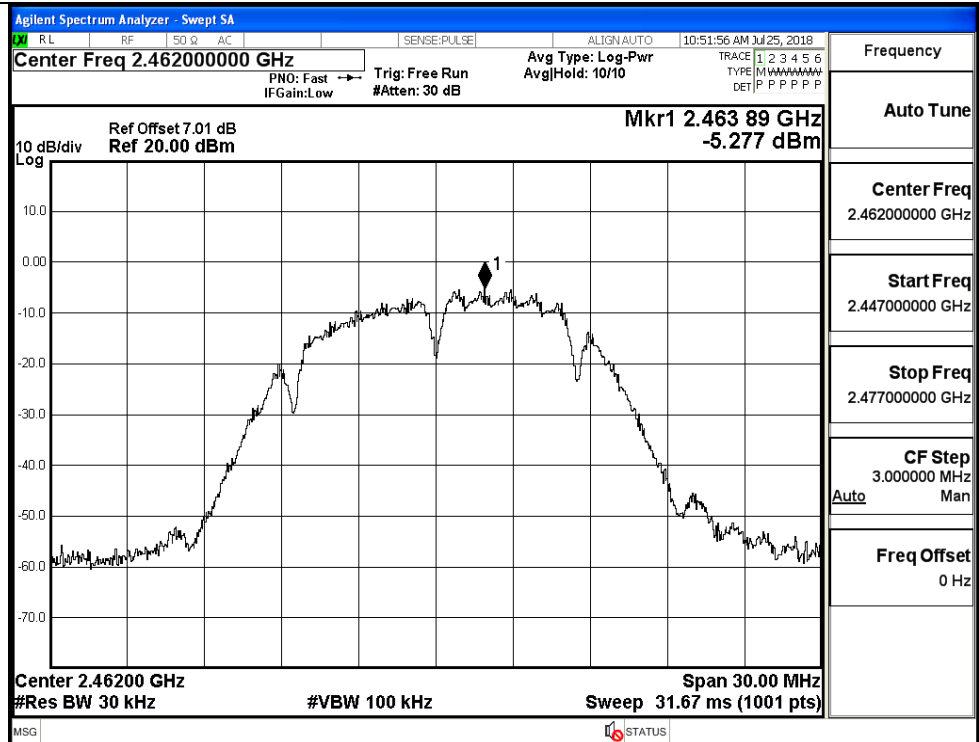
11B/LCH



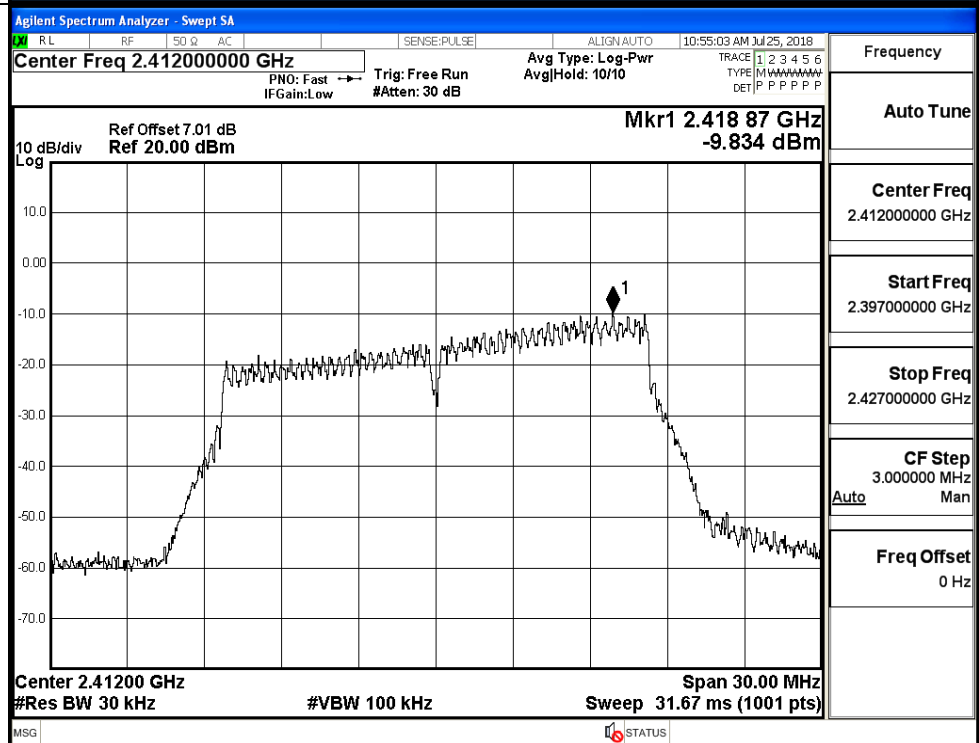
11B/MCH



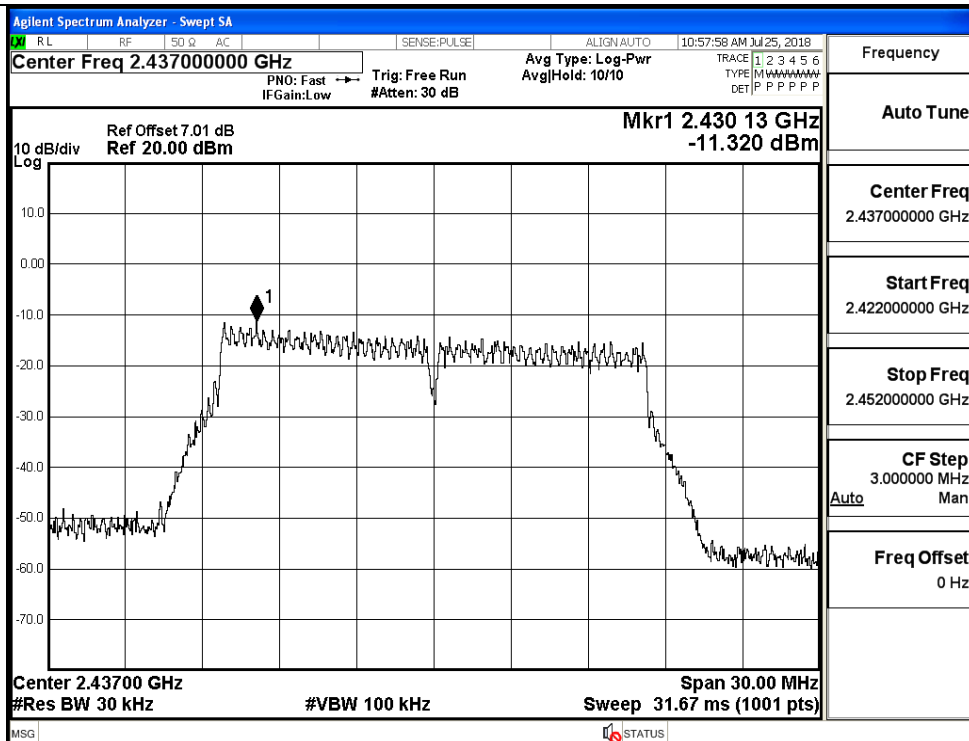
11B/HCH



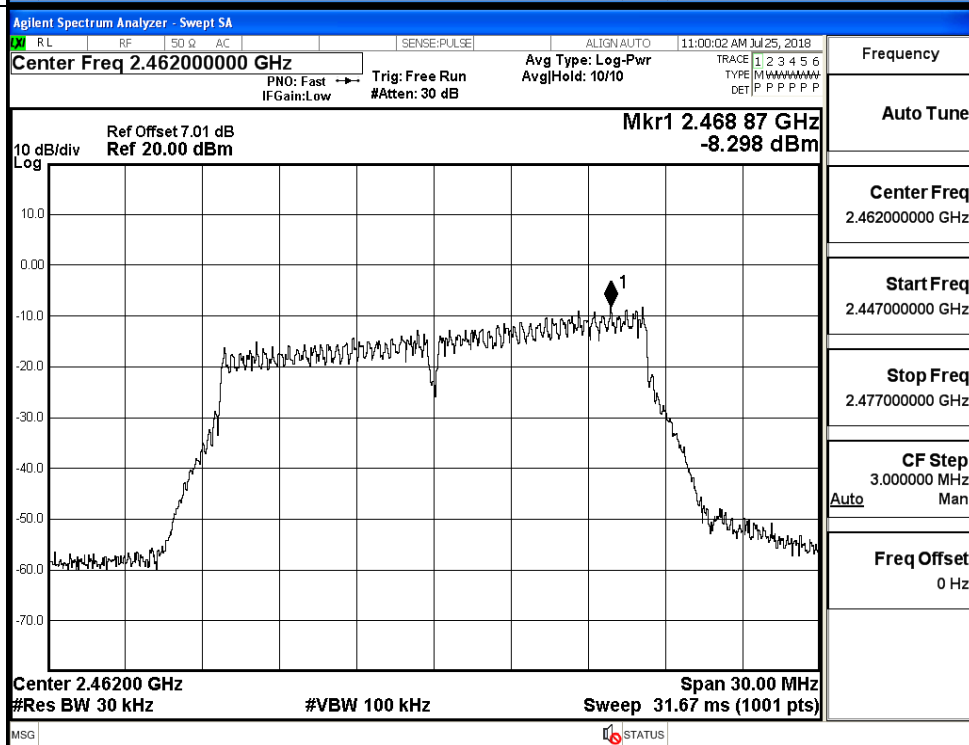
11G/LCH



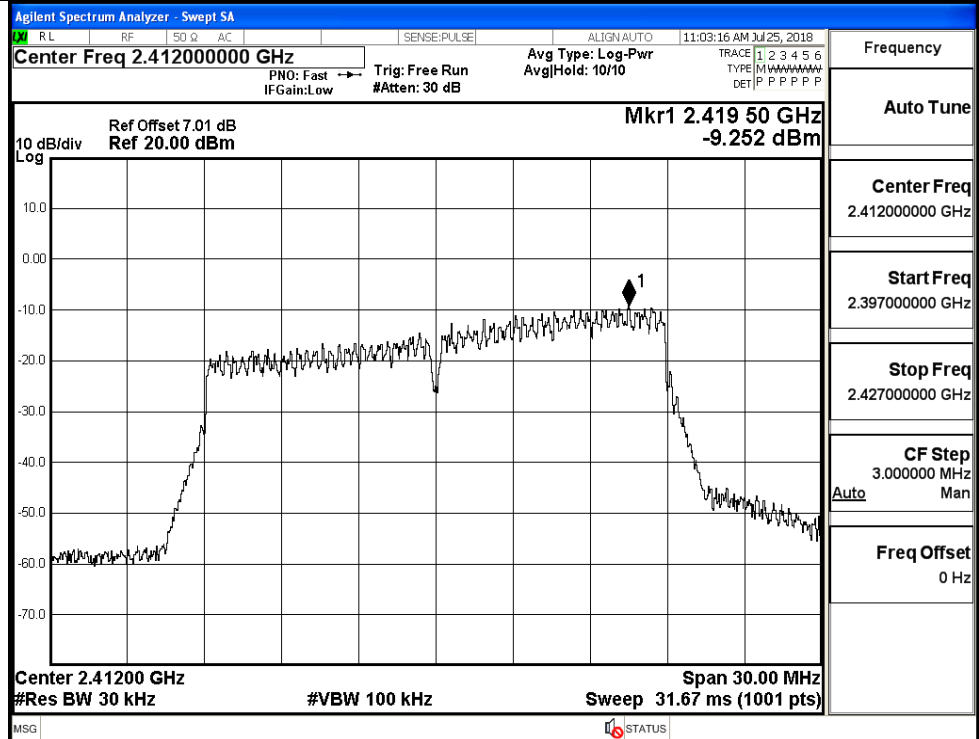
11G/MCH



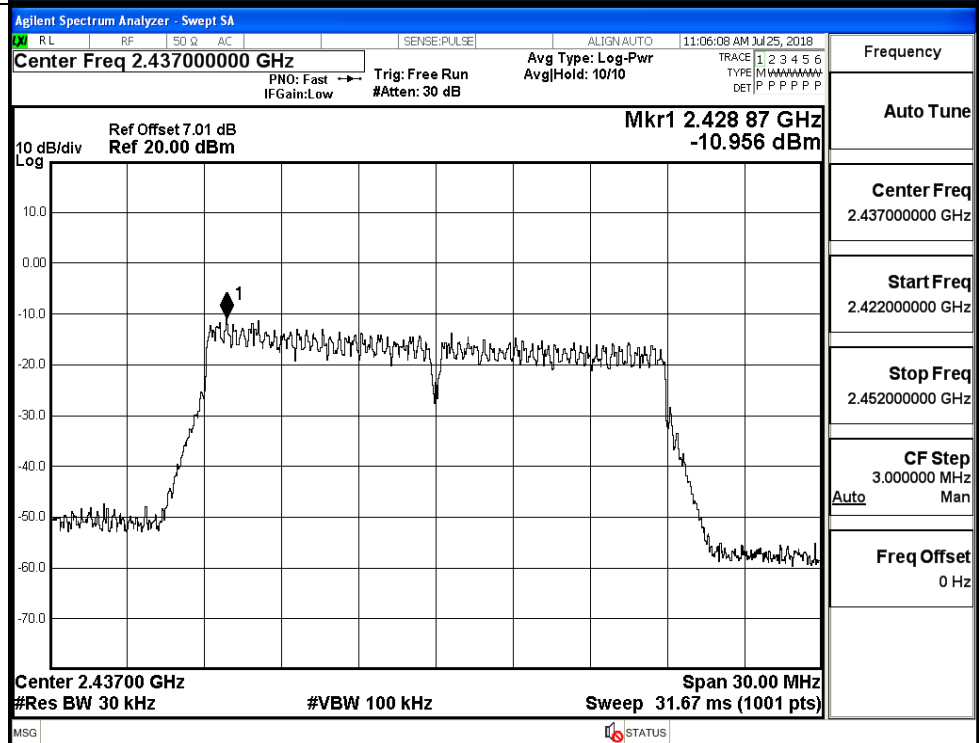
11G/HCH



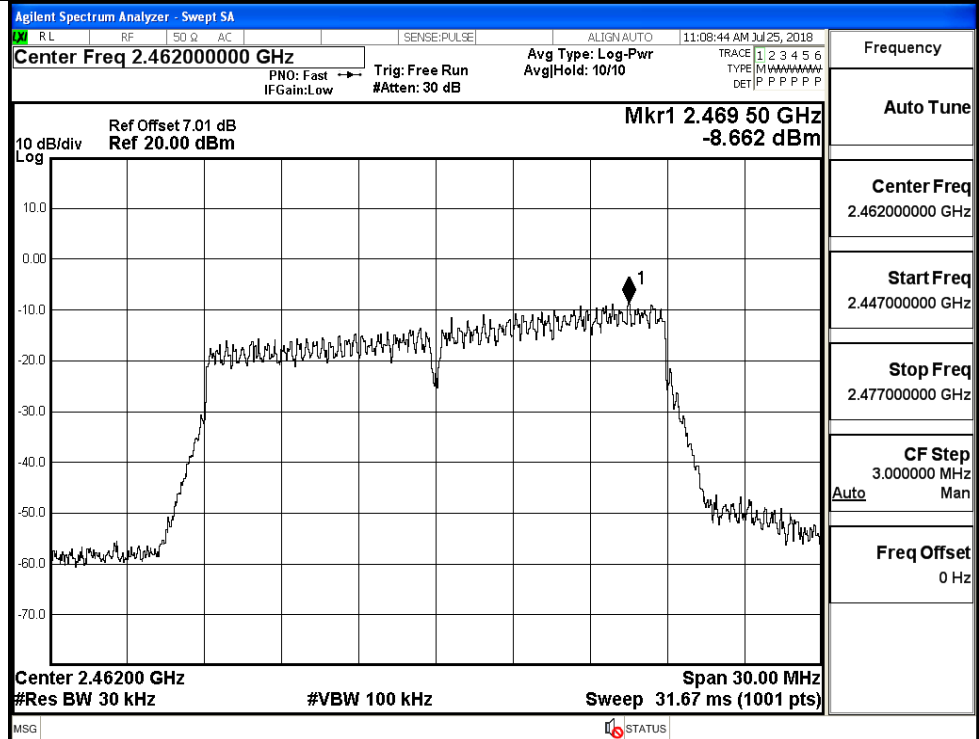
11N20/LCH



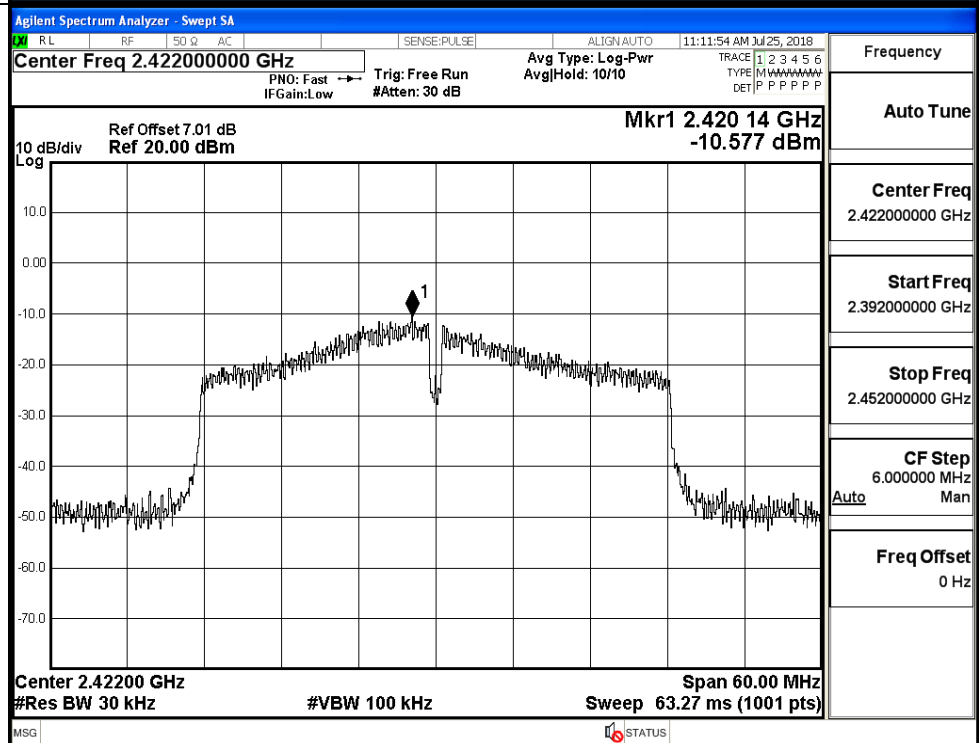
11N20/MCH



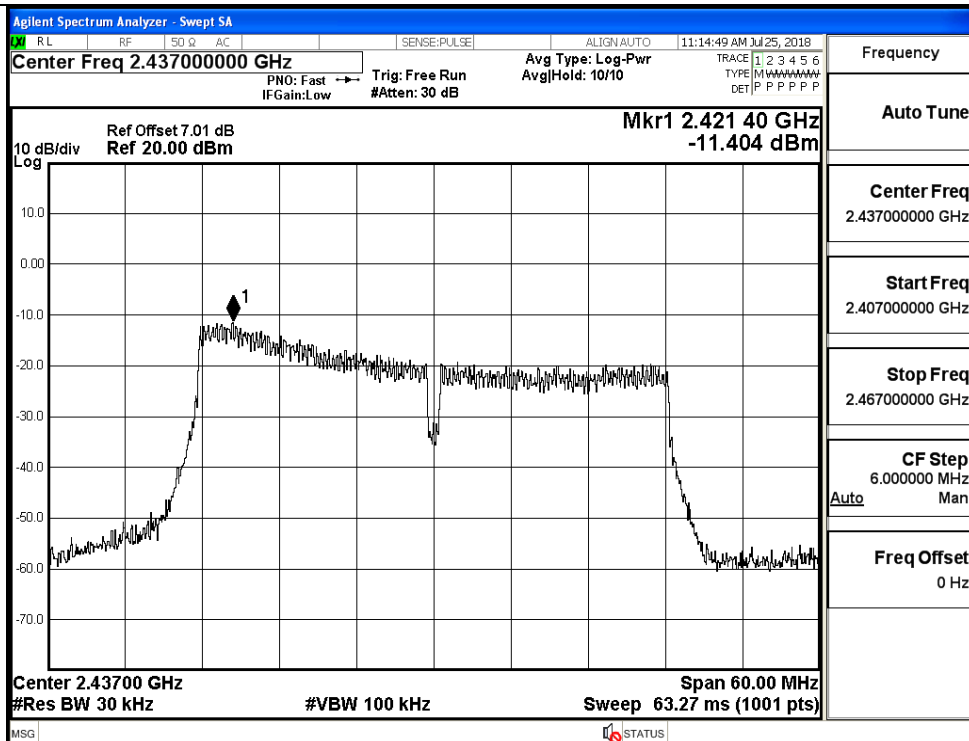
11N20/HCH



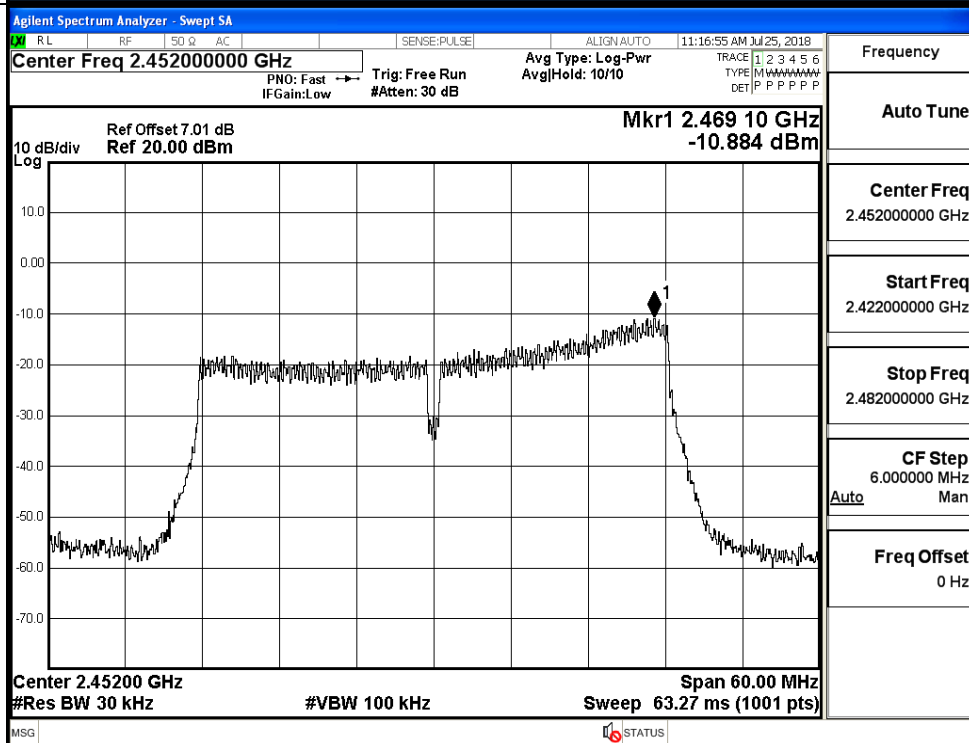
11N40/LCH



11N40/MCH

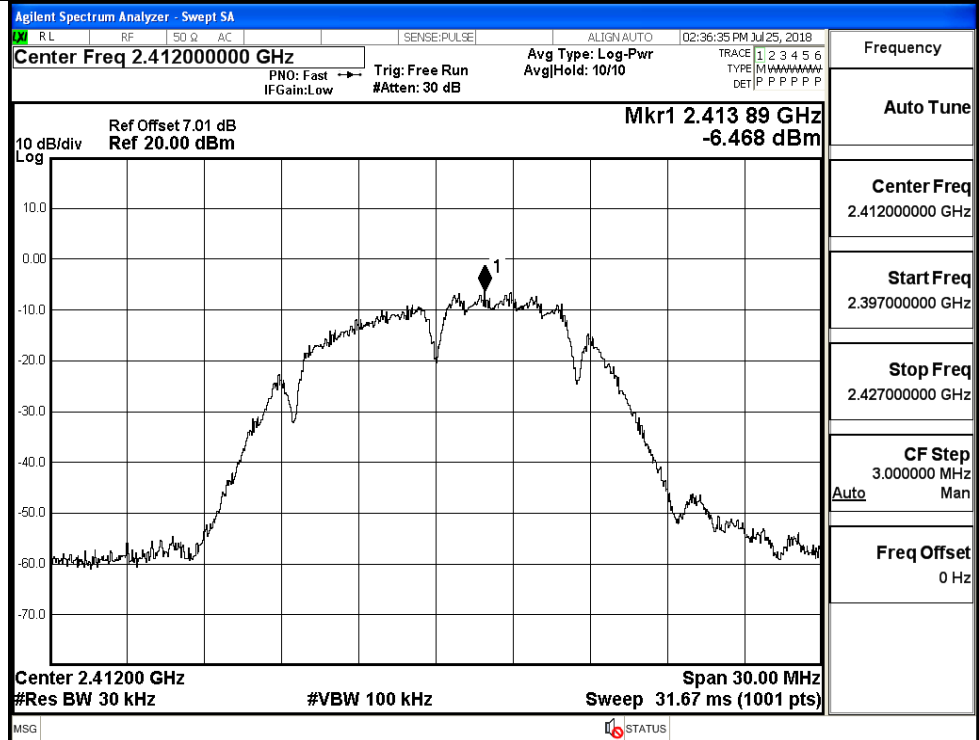


11N40/HCH

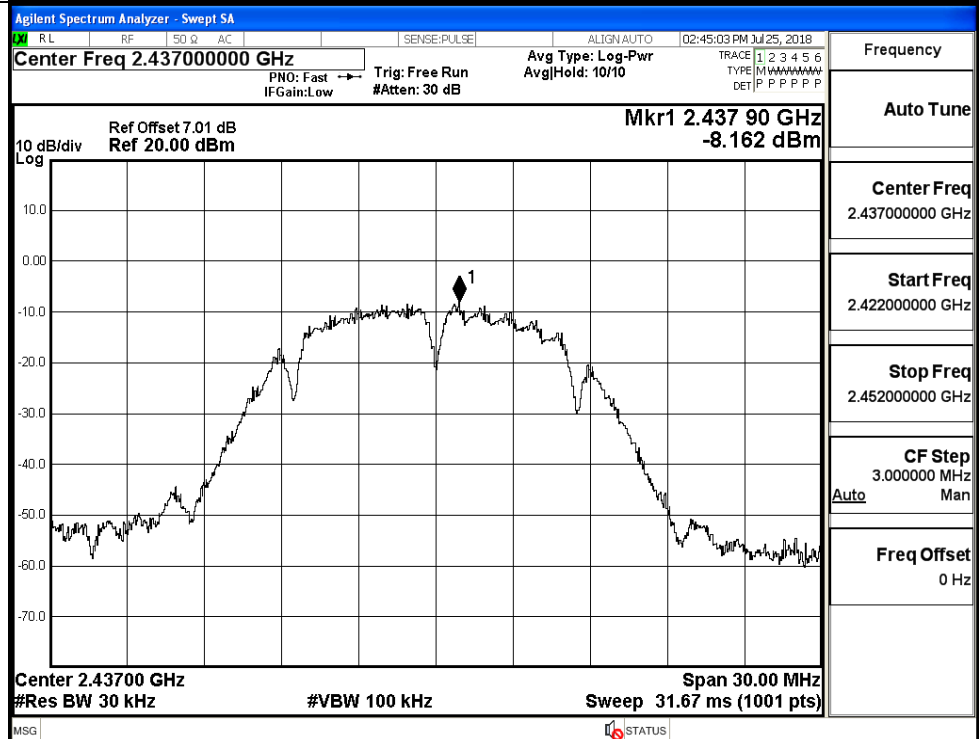


Test Graphs_Ant1

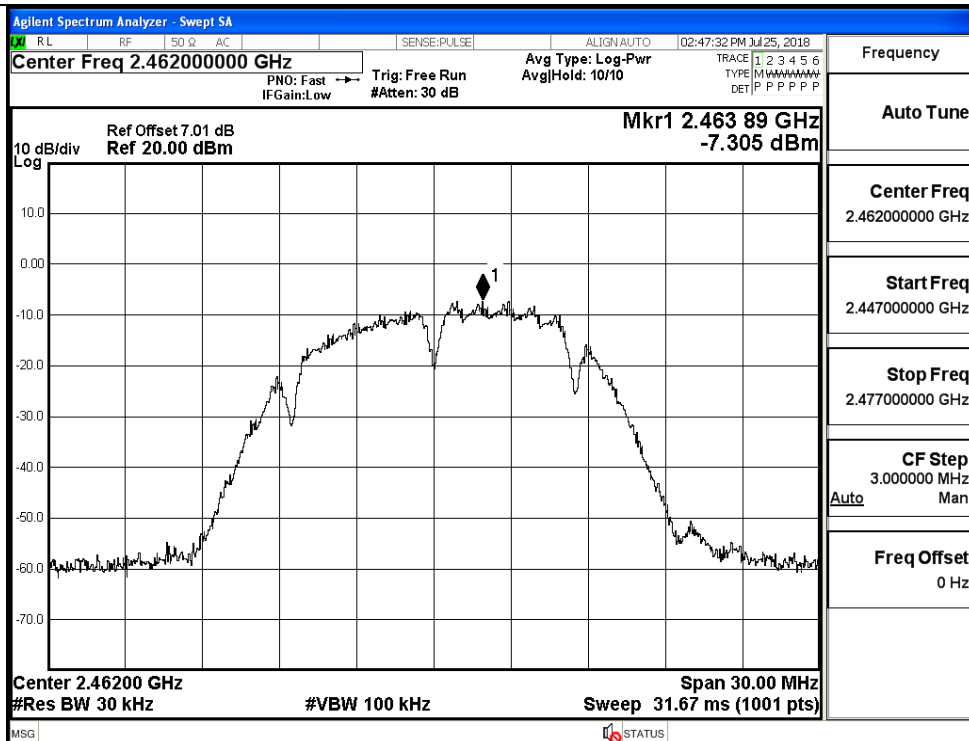
11B/LCH



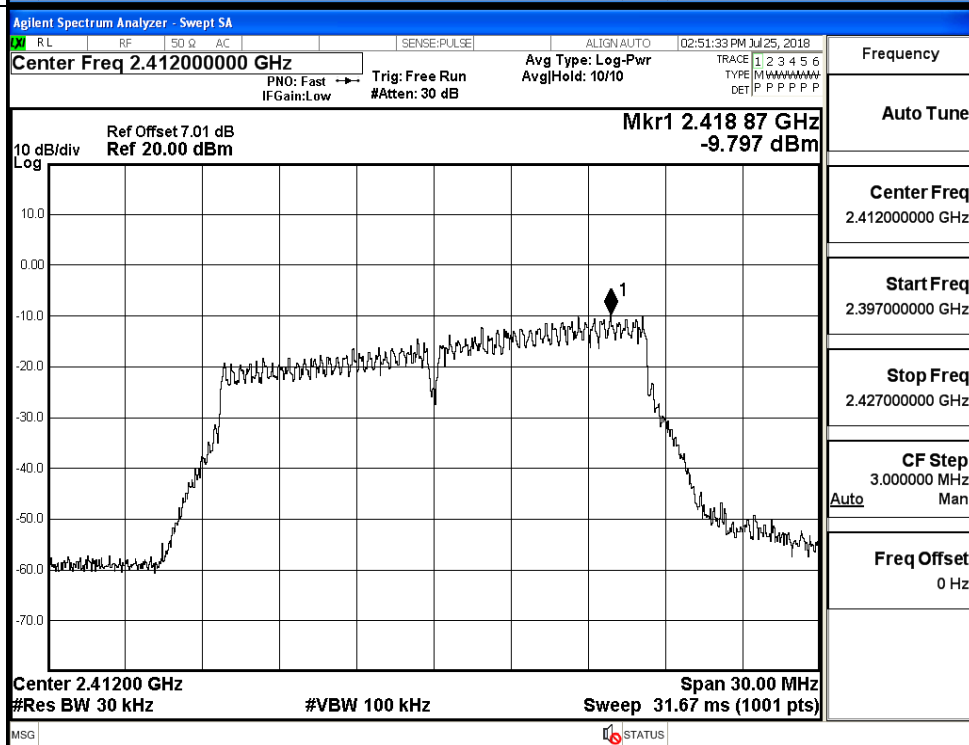
11B/MCH



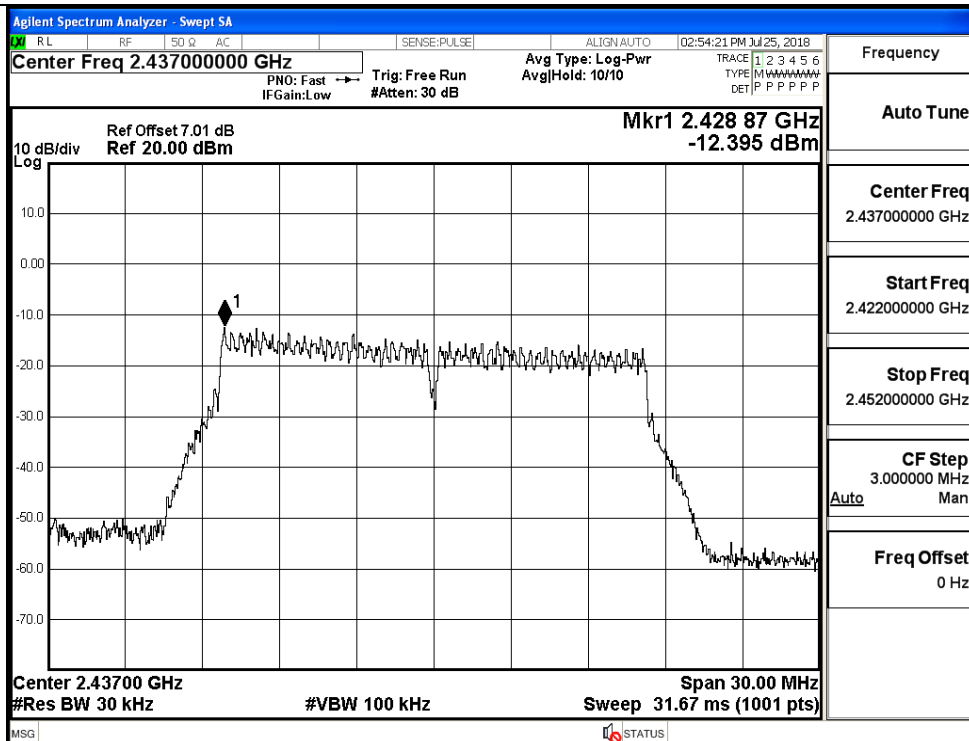
11B/HCH



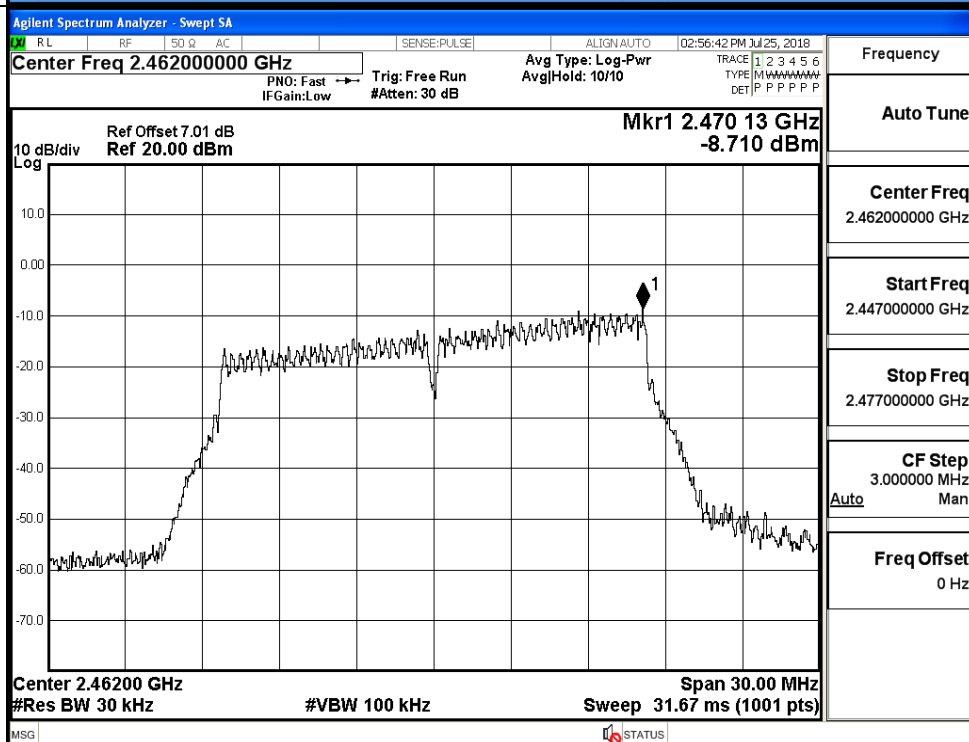
11G/LCH



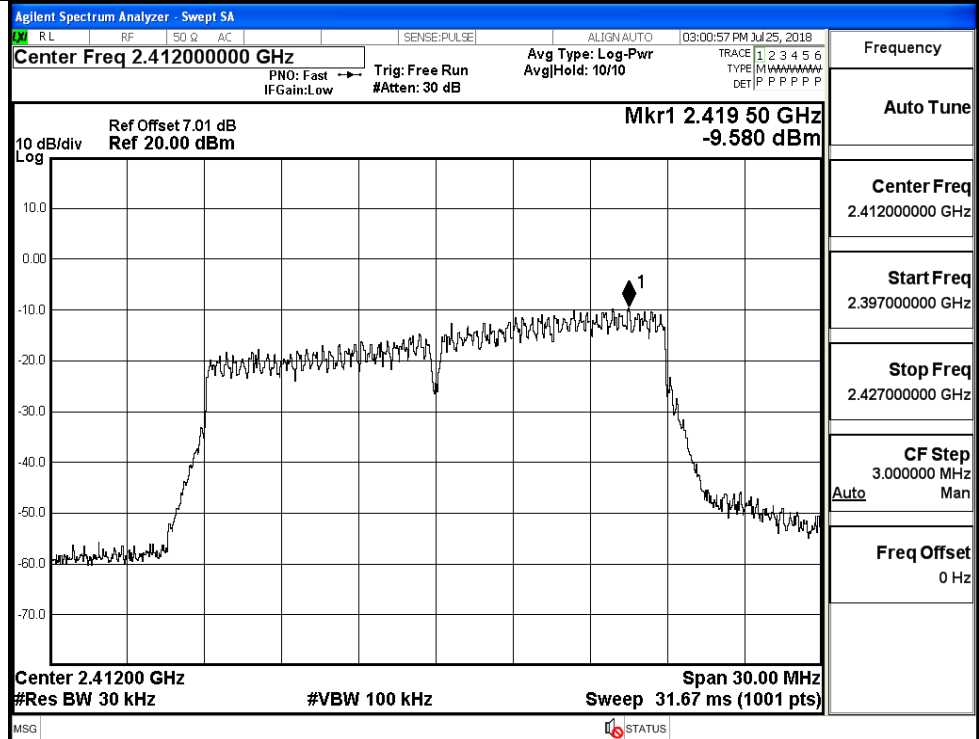
11G/MCH



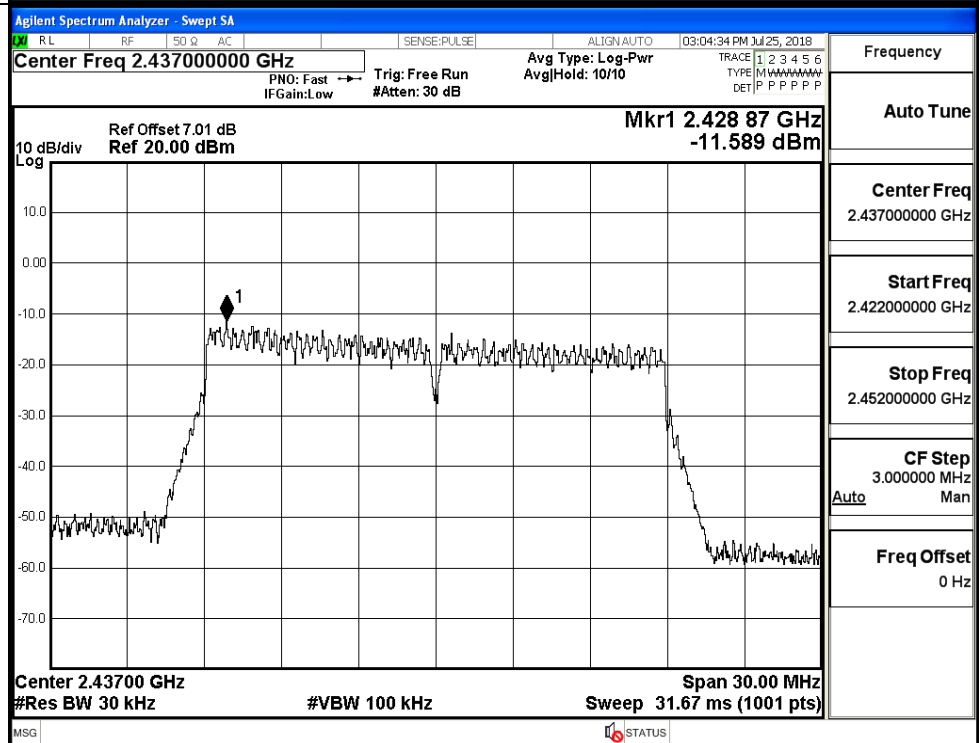
11G/HCH



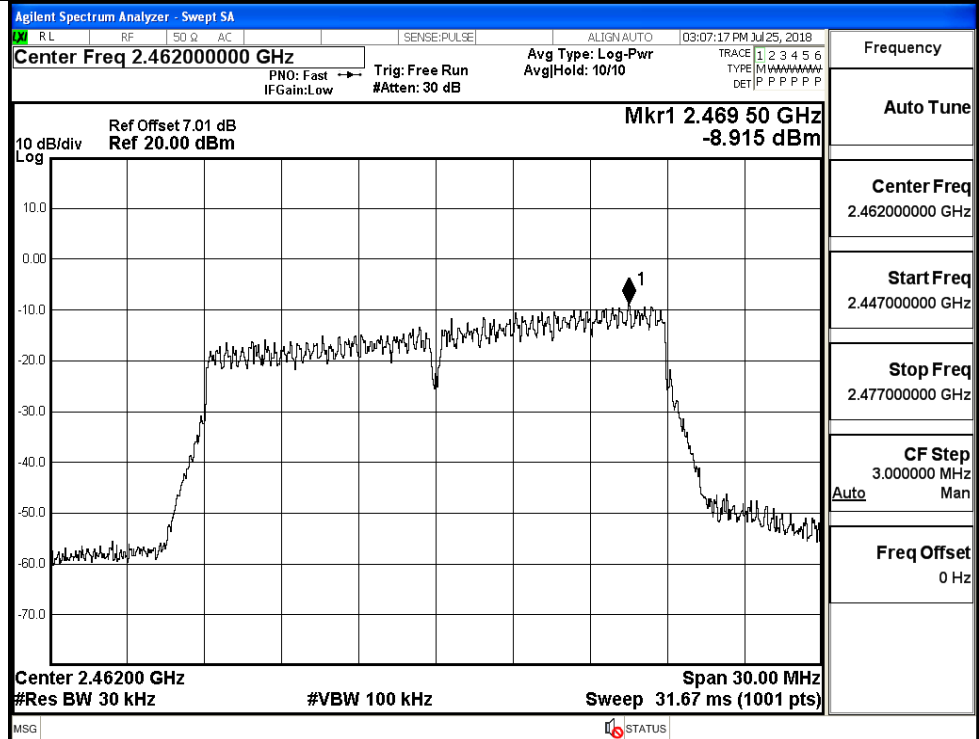
11N20/LCH



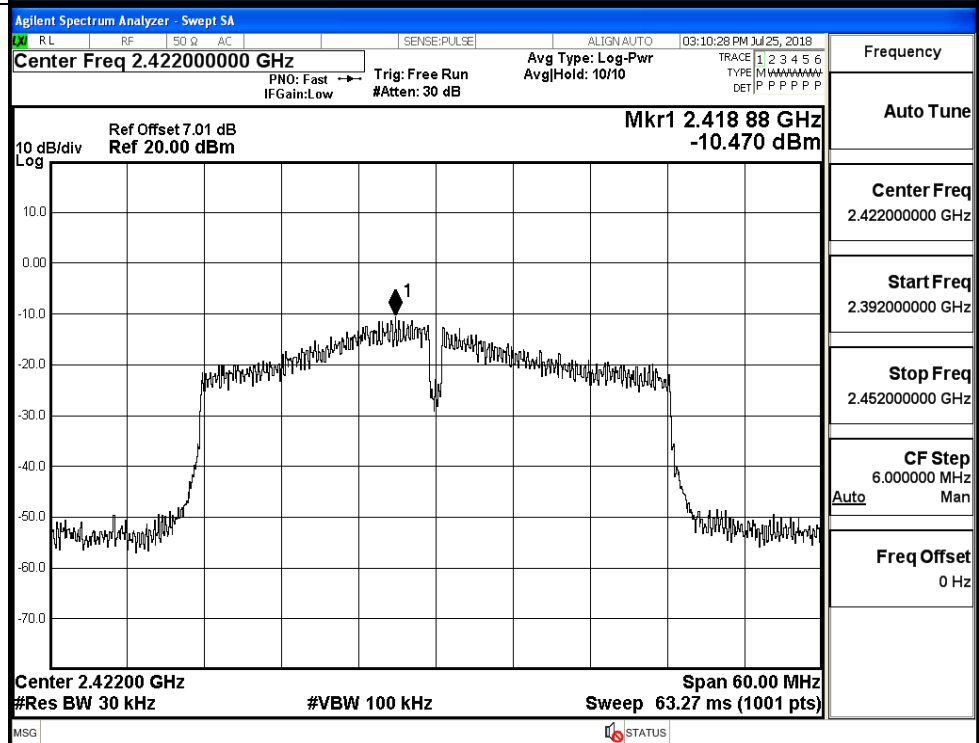
11N20/MCH



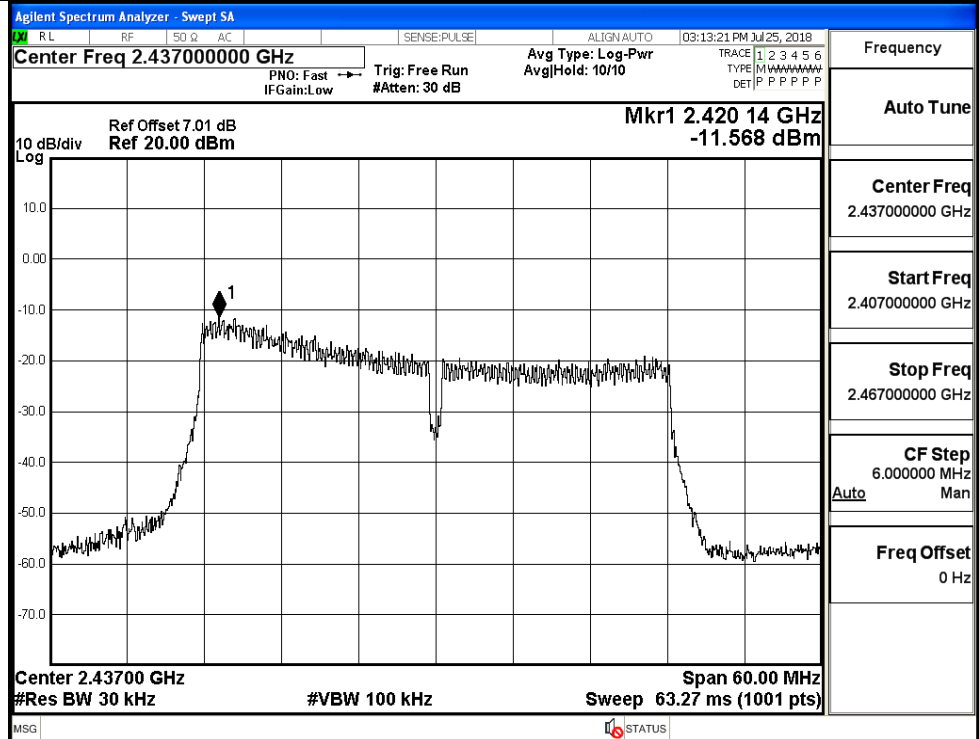
11N20/HCH



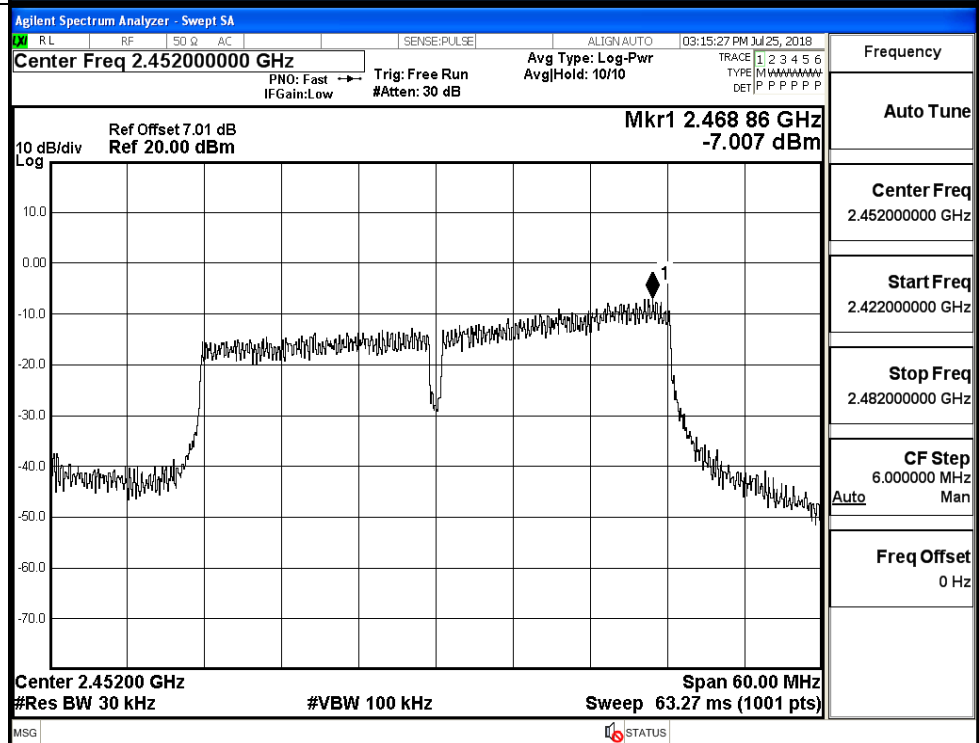
11N40/LCH



11N40/MCH



11N40/HCH



B.4 6dB Bandwidth

Antenna 0

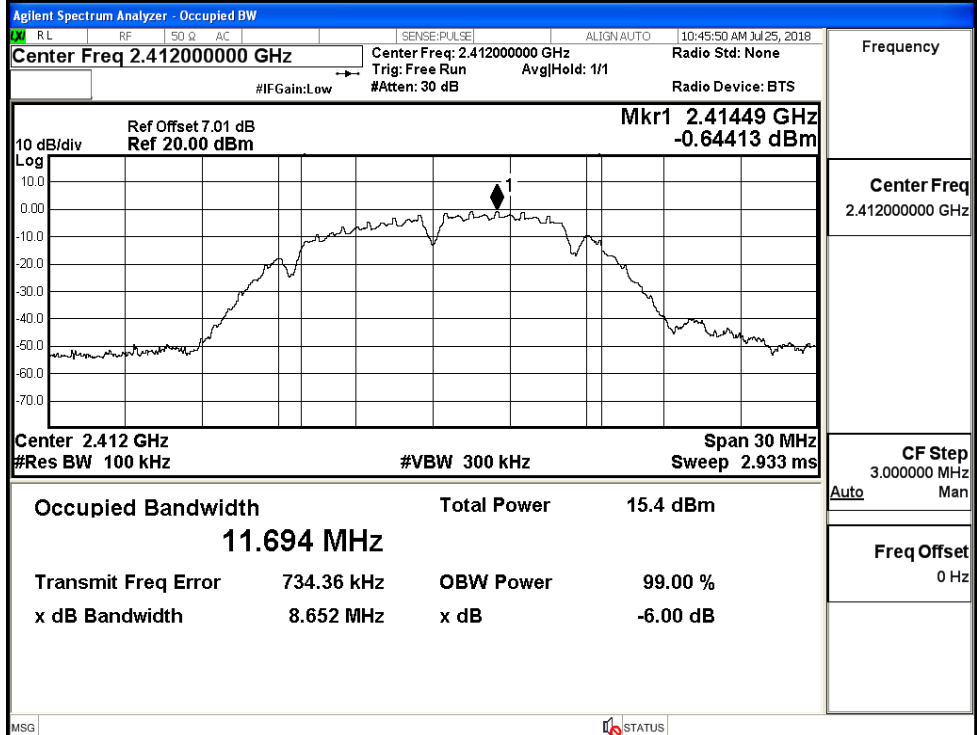
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.652	≥ 0.5	PASS
	MCH	9.565	≥ 0.5	PASS
	HCH	8.668	≥ 0.5	PASS
11G	LCH	16.47	≥ 0.5	PASS
	MCH	16.51	≥ 0.5	PASS
	HCH	16.57	≥ 0.5	PASS
11N20	LCH	17.52	≥ 0.5	PASS
	MCH	17.75	≥ 0.5	PASS
	HCH	17.58	≥ 0.5	PASS
11N40	LCH	36.27	≥ 0.5	PASS
	MCH	36.10	≥ 0.5	PASS
	HCH	36.23	≥ 0.5	PASS

Antenna 1

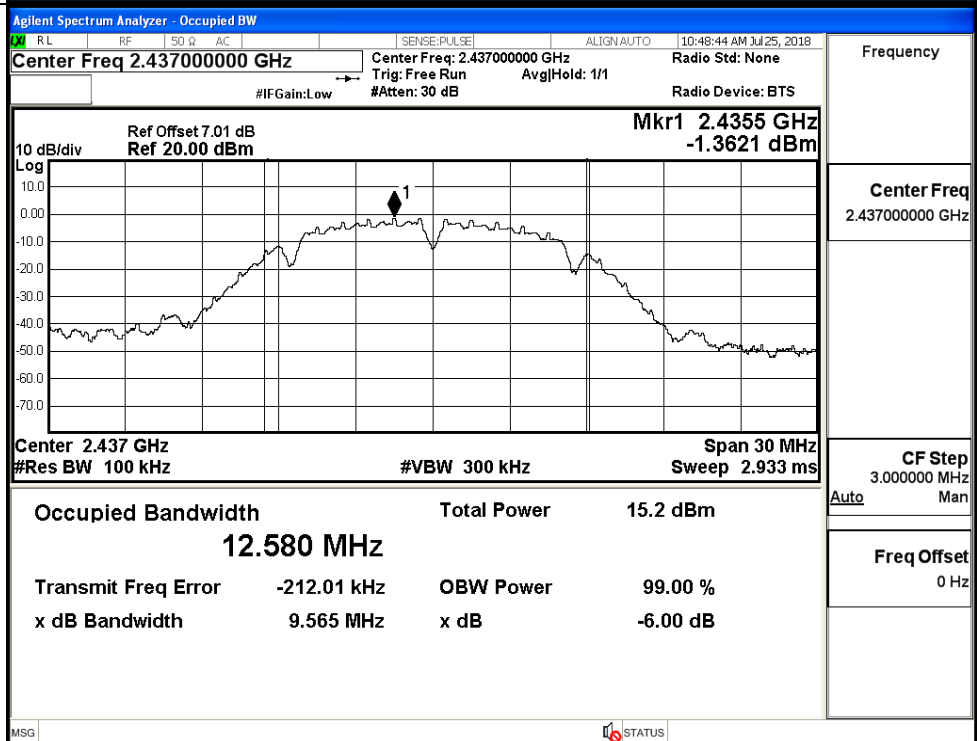
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.645	≥ 0.5	PASS
	MCH	9.553	≥ 0.5	PASS
	HCH	8.661	≥ 0.5	PASS
11G	LCH	16.45	≥ 0.5	PASS
	MCH	16.53	≥ 0.5	PASS
	HCH	16.55	≥ 0.5	PASS
11N20	LCH	17.50	≥ 0.5	PASS
	MCH	17.74	≥ 0.5	PASS
	HCH	11.57	≥ 0.5	PASS
11N40	LCH	35.22	≥ 0.5	PASS
	MCH	36.13	≥ 0.5	PASS
	HCH	36.11	≥ 0.5	PASS

Test Graphs_Ant0

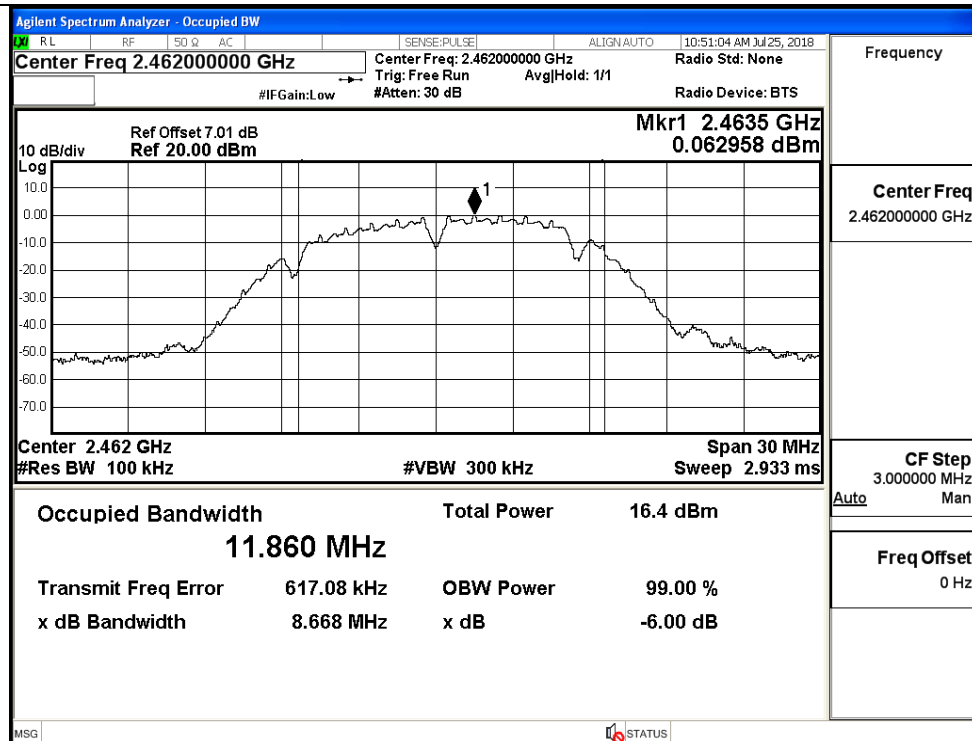
11B/LCH



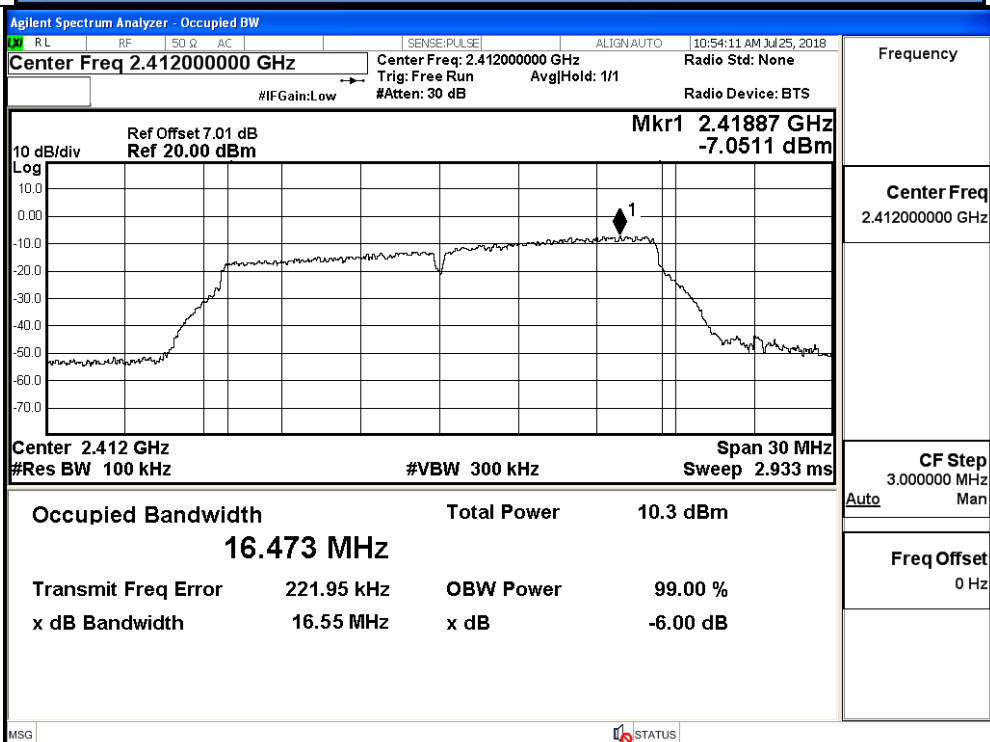
11B/MCH



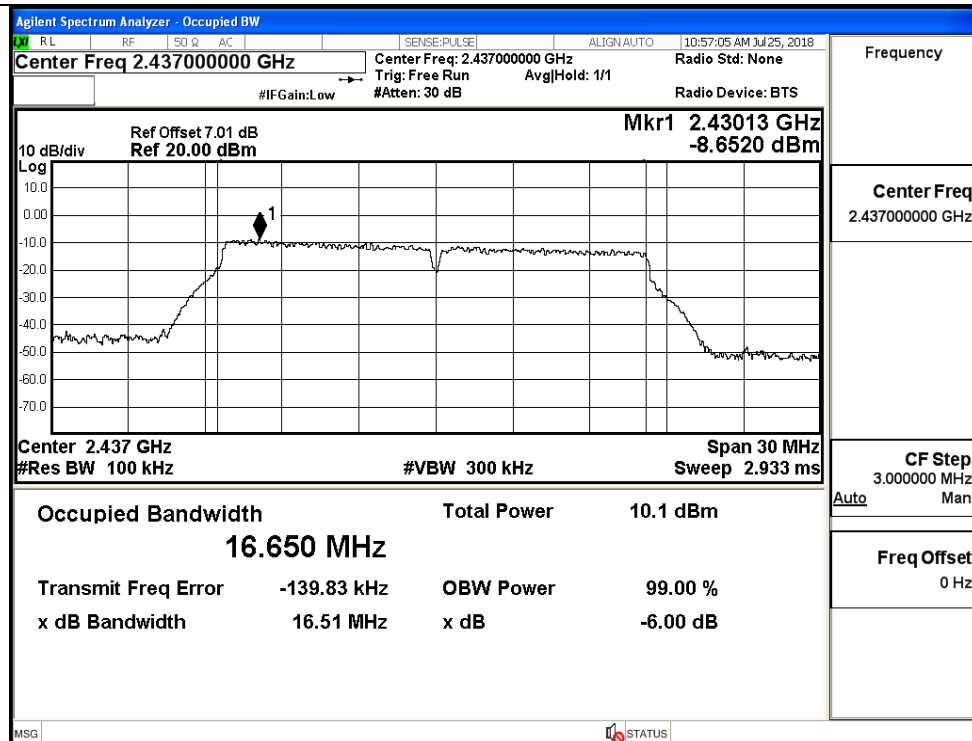
11B/HCH



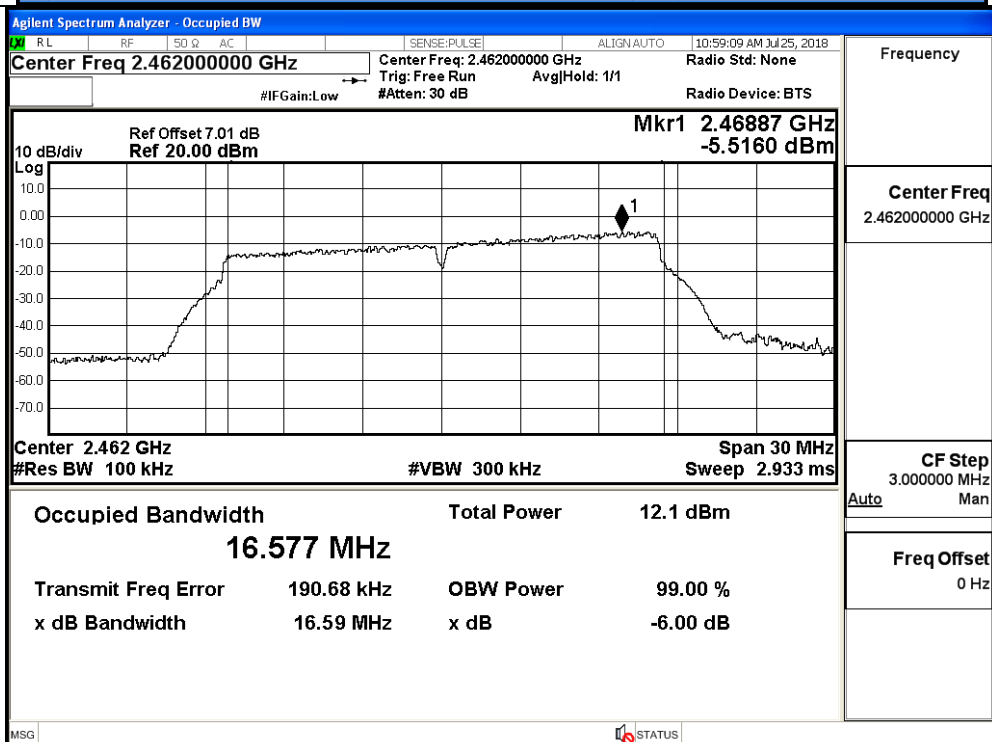
11G/LCH



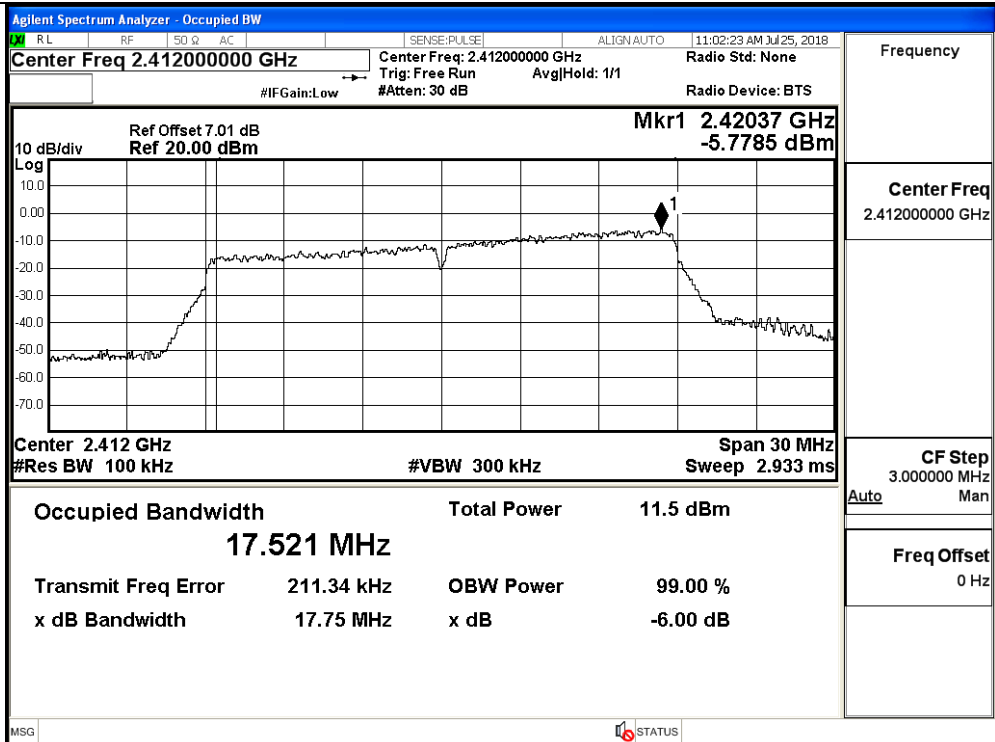
11G/MCH



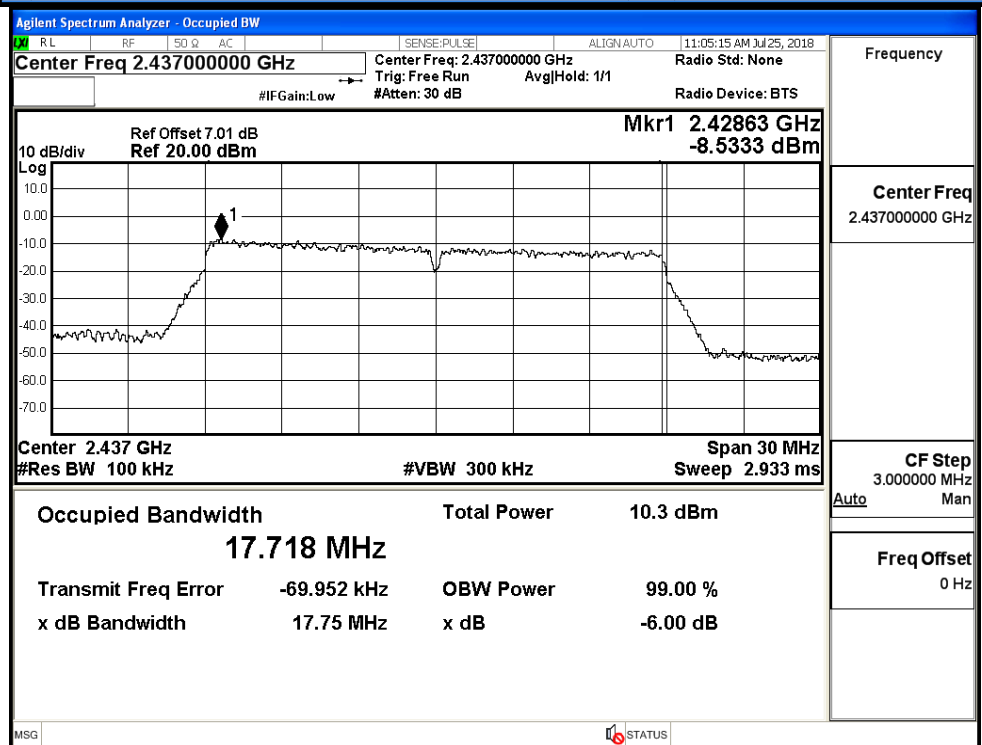
11G/HCH



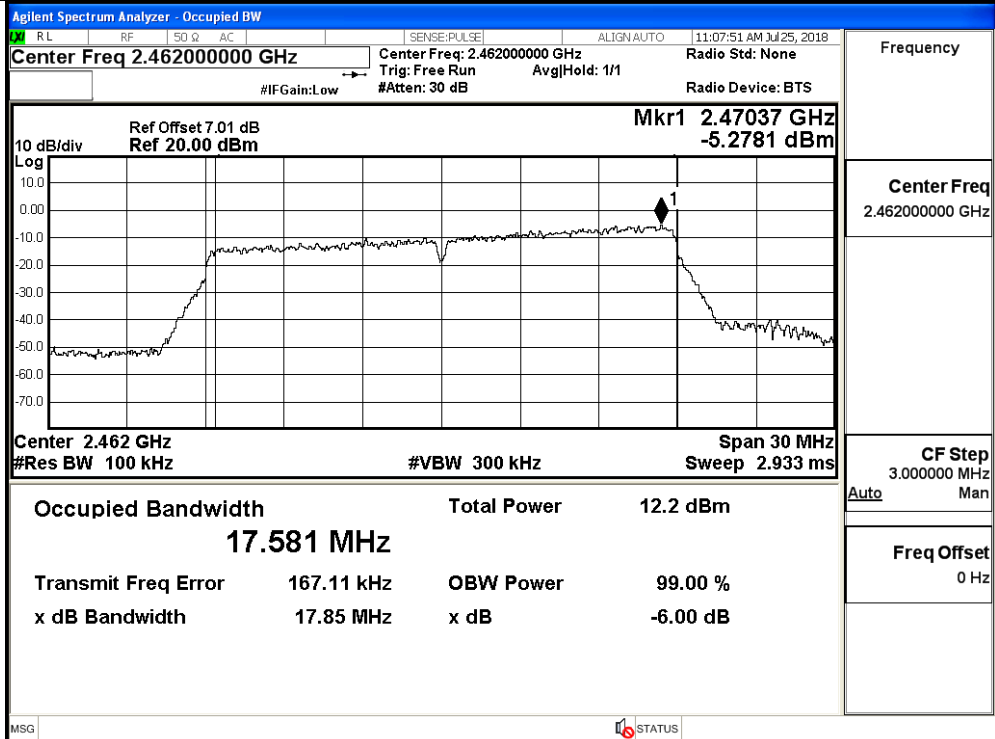
11N20/LCH



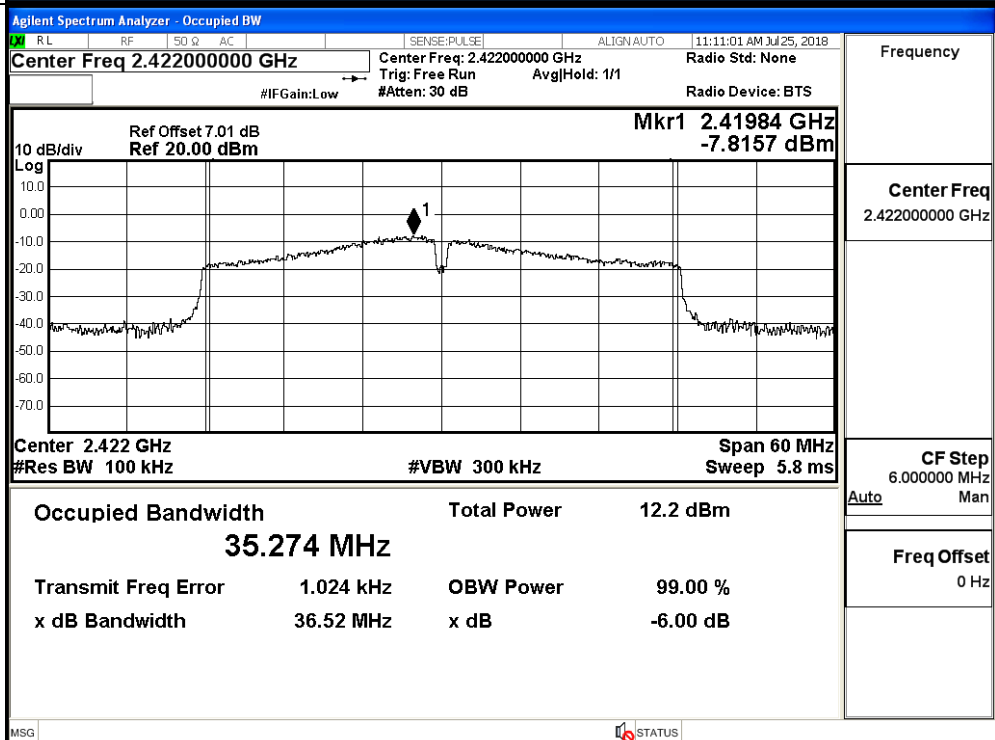
11N20/MCH



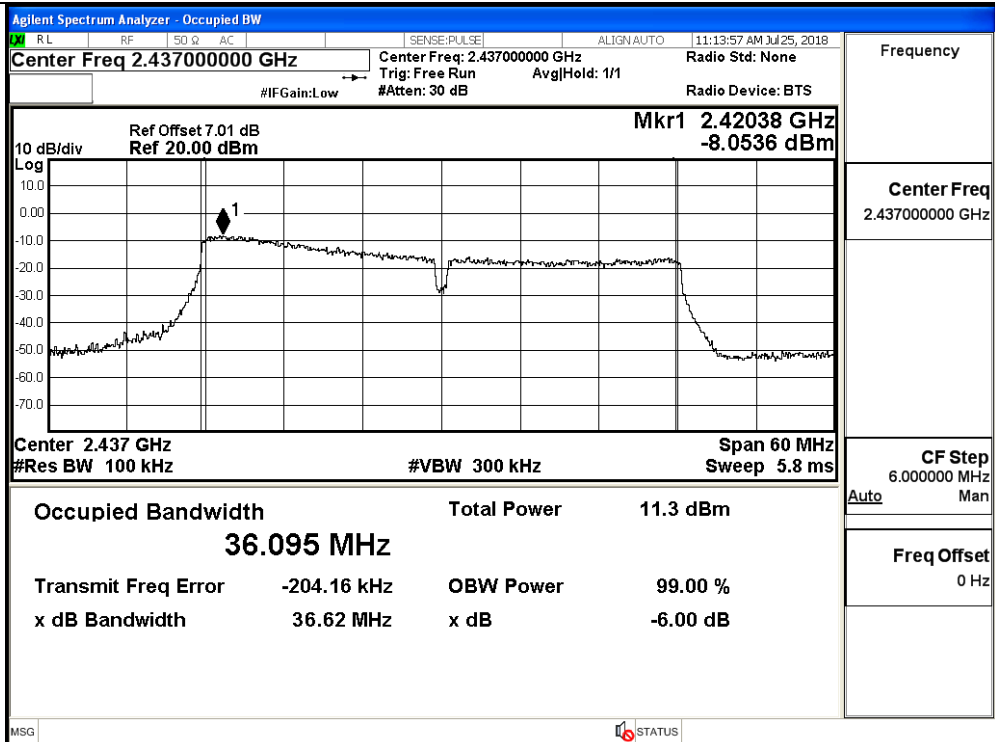
11N20/HCH



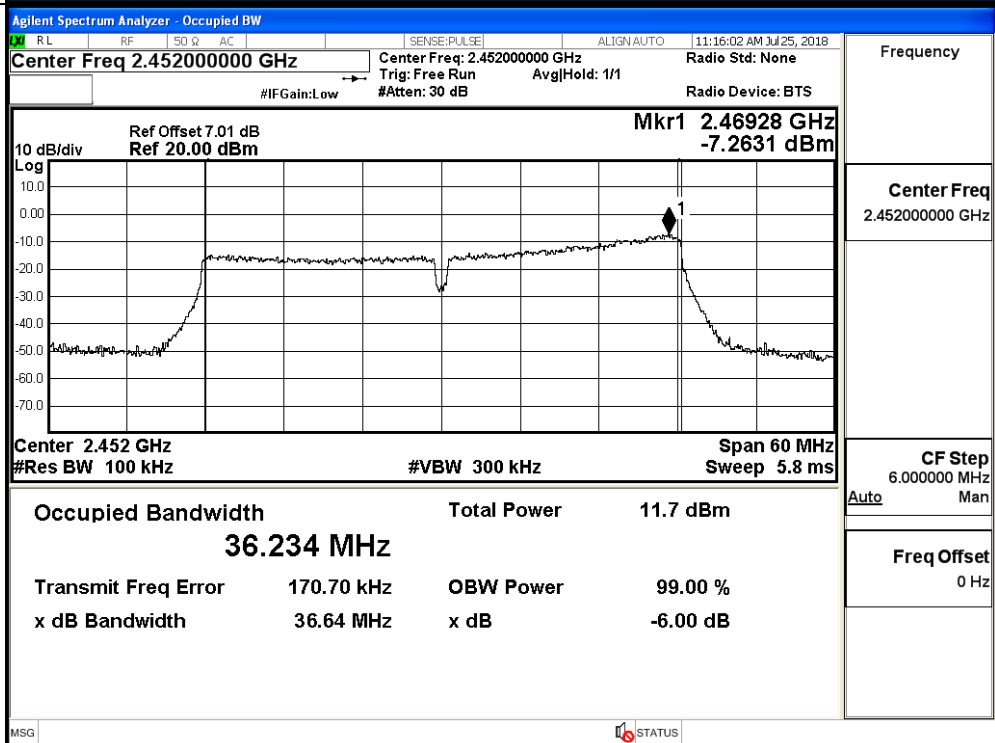
11N40/LCH



11N40/MCH

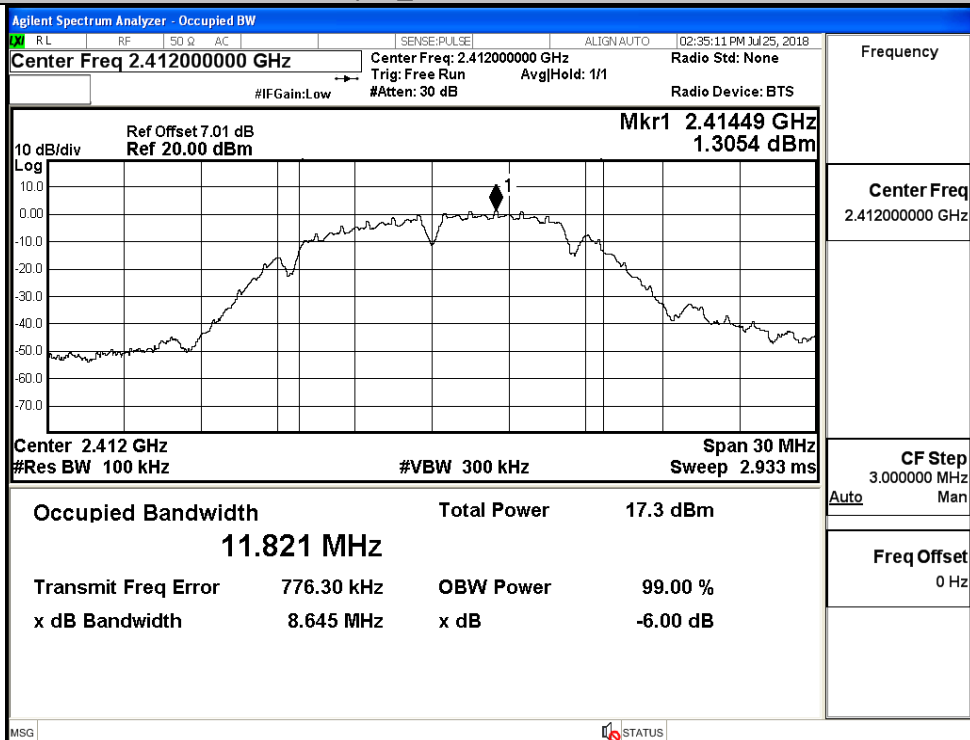


11N40/HCH

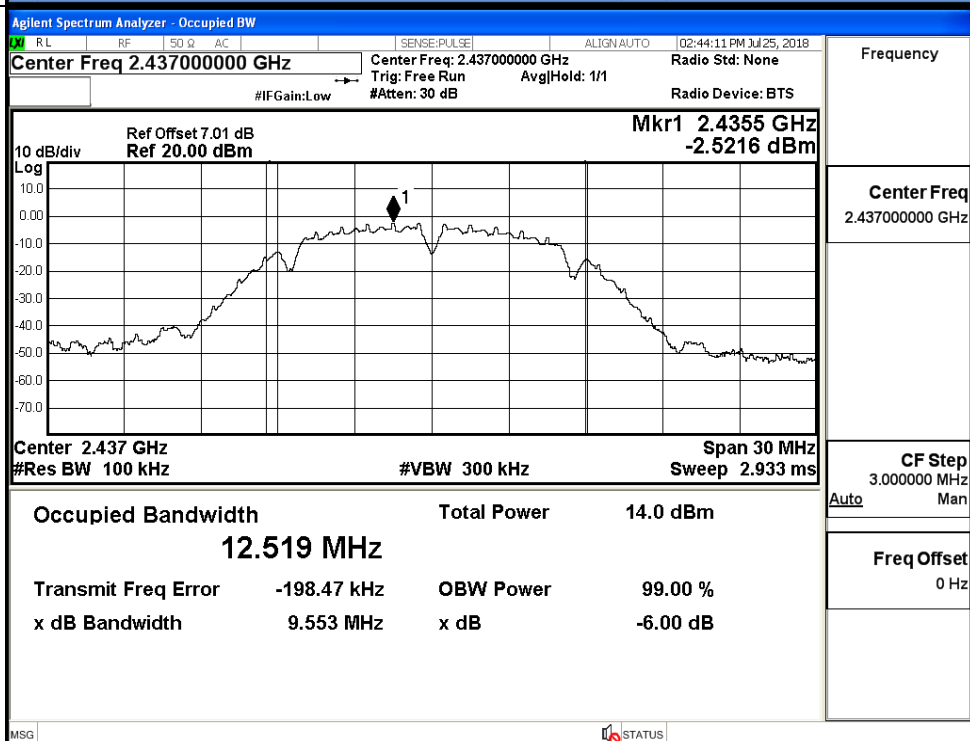


Test Graphs_Ant1

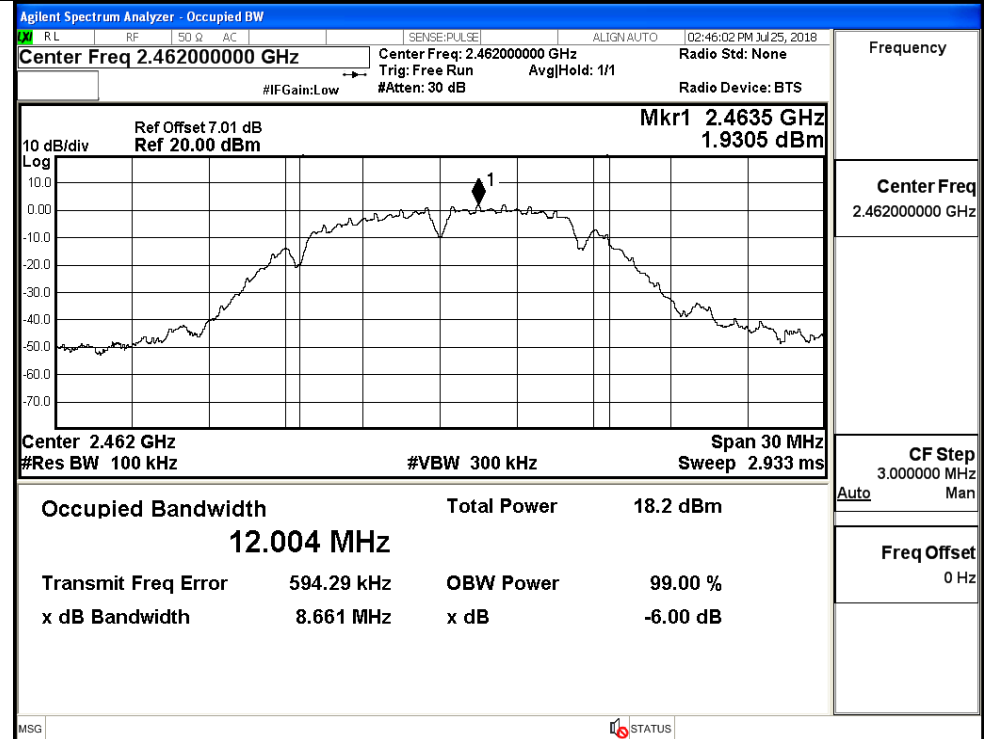
11B/LCH



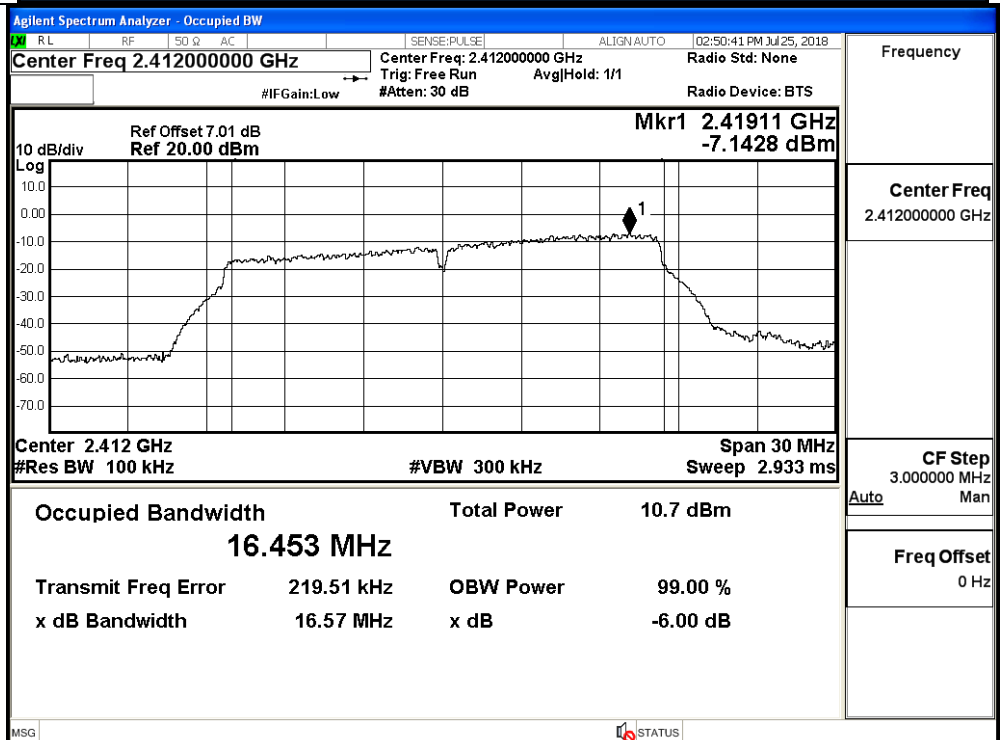
11B/MCH



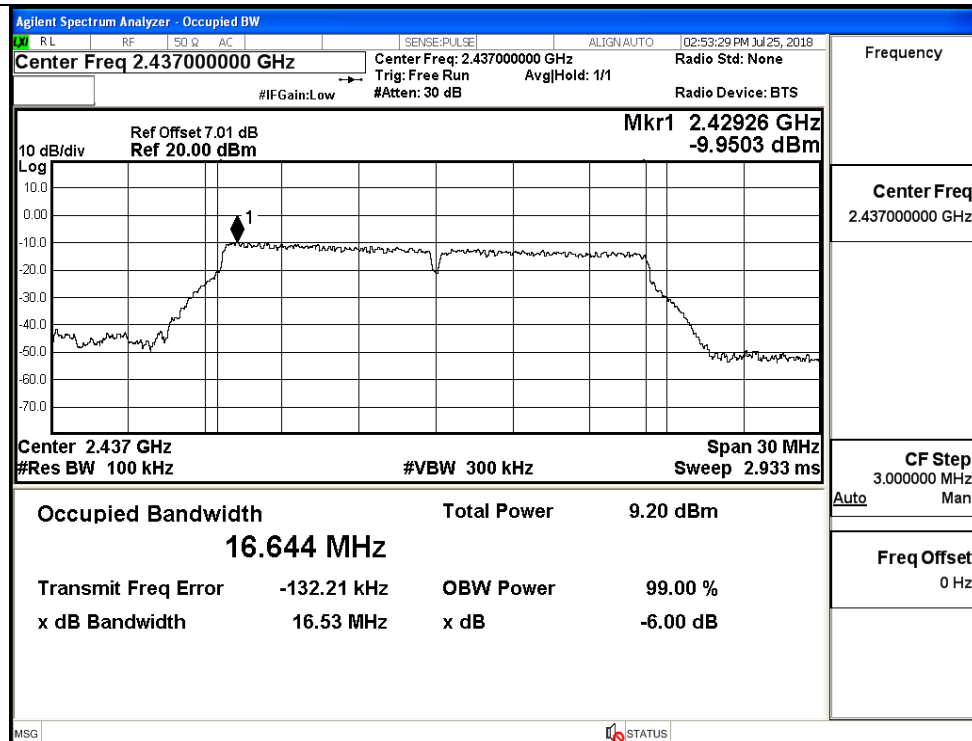
11B/HCH



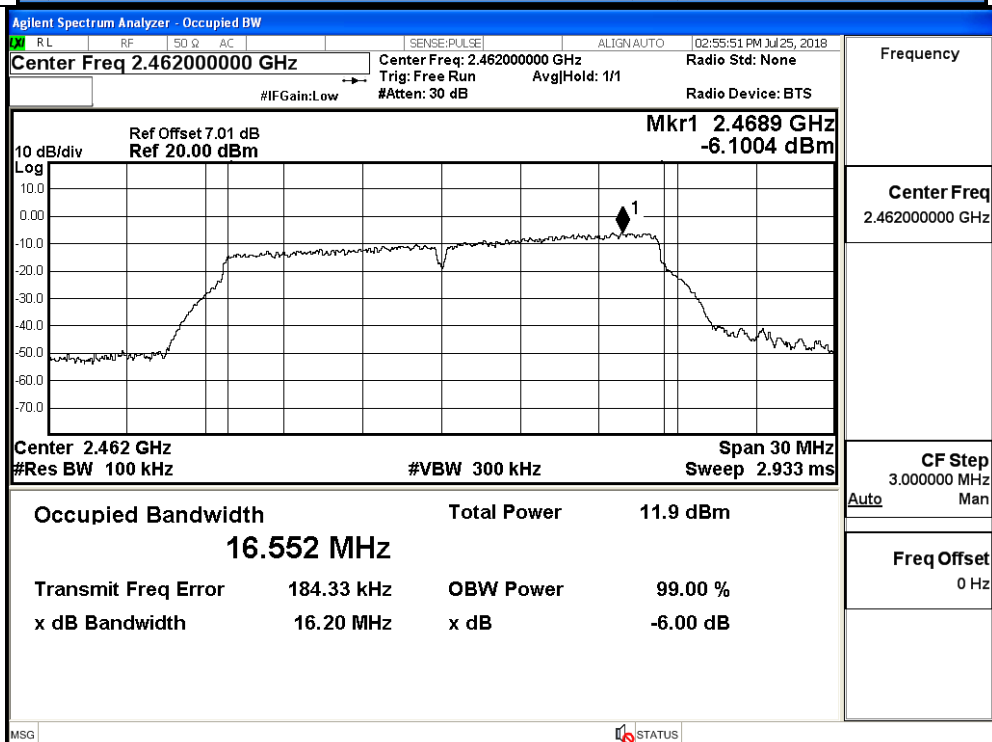
11G/LCH



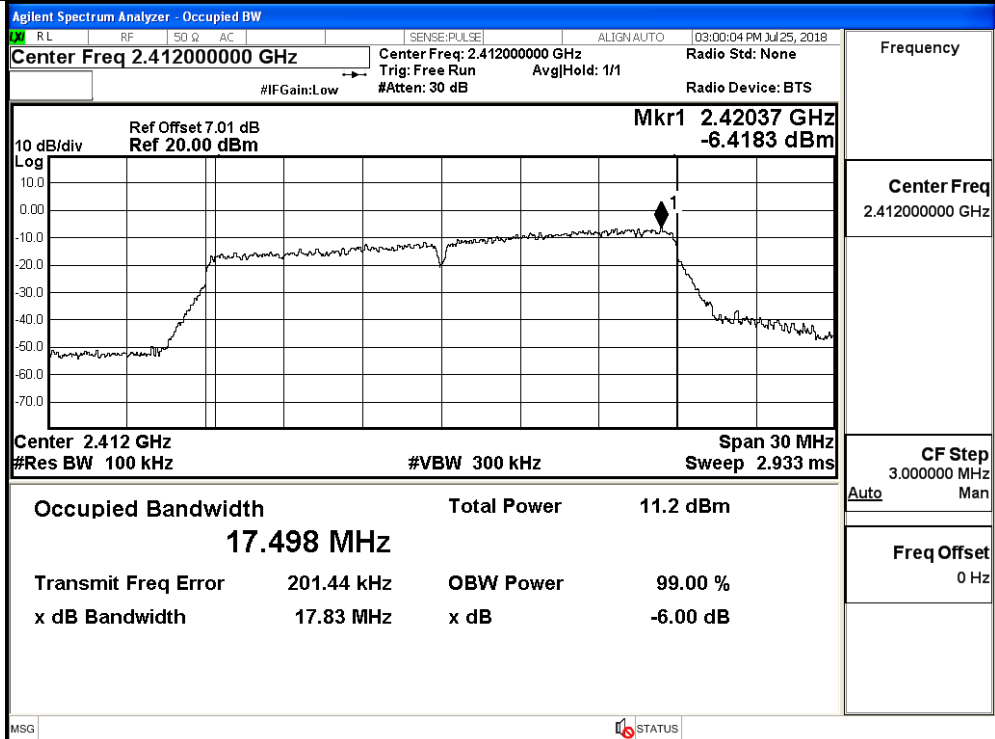
11G/MCH



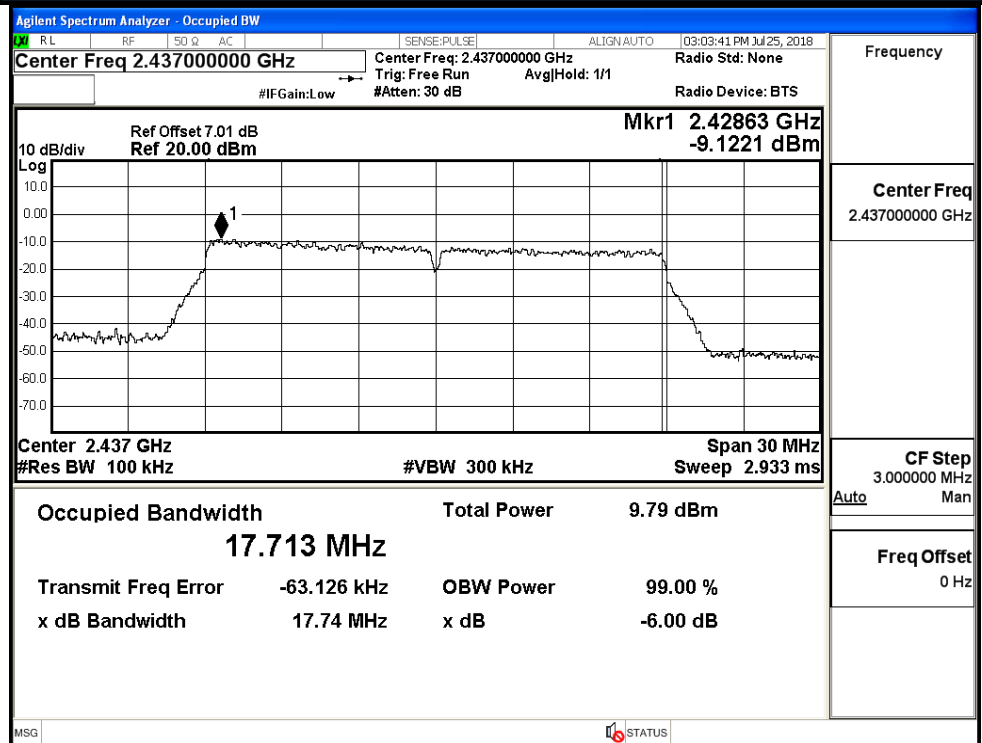
11G/HCH



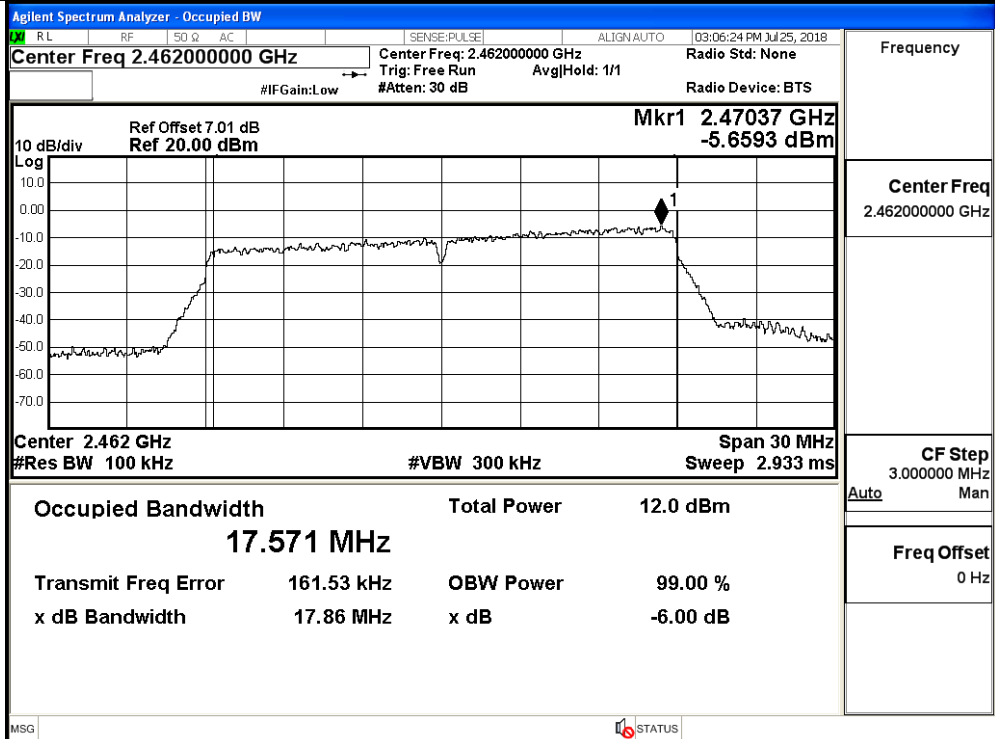
11N20/LCH



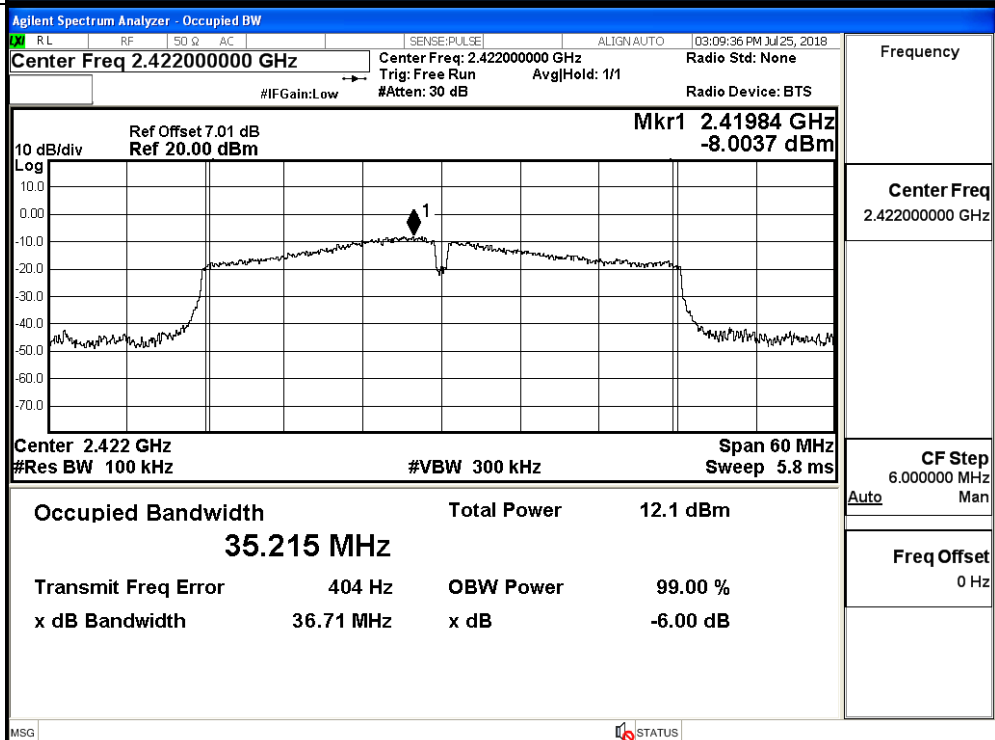
11N20/MCH



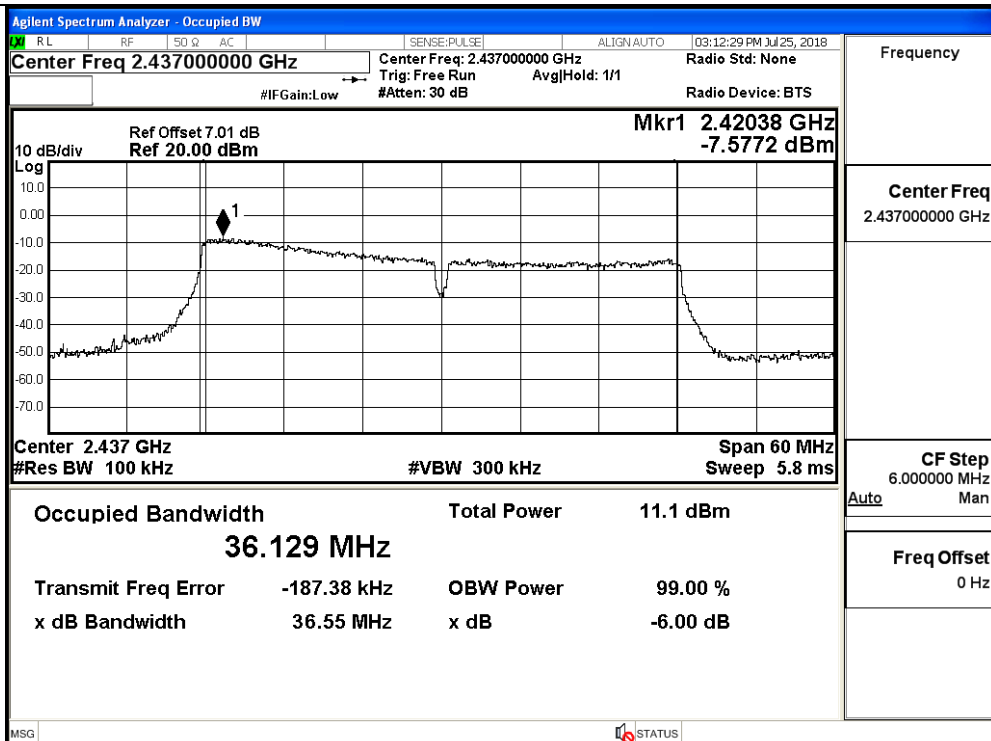
11N20/HCH



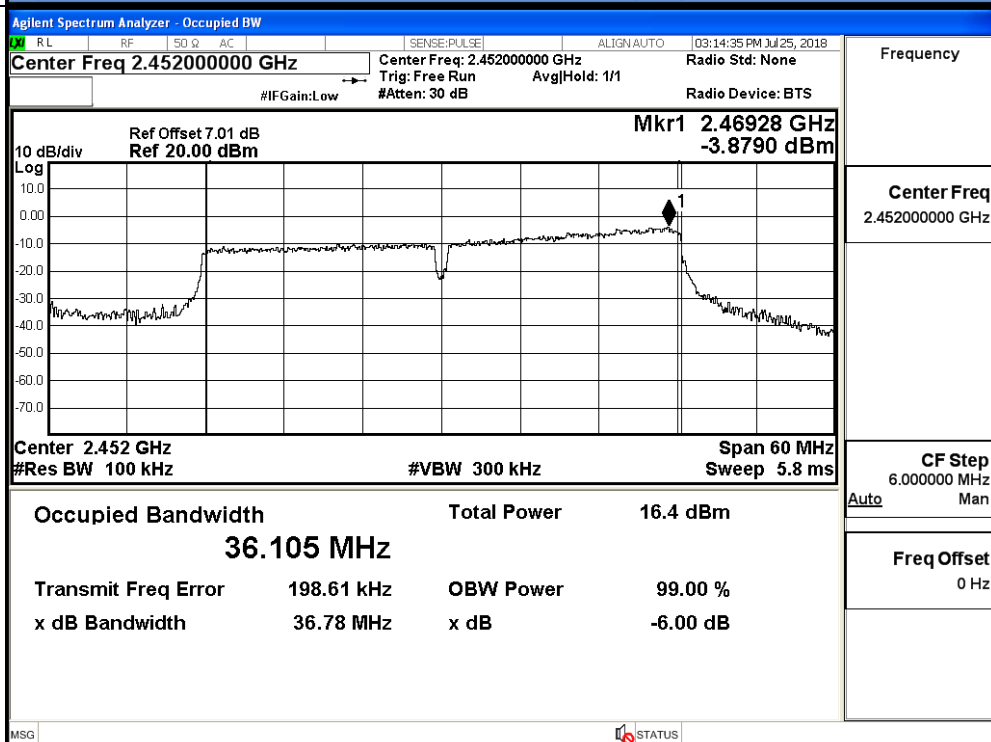
11N40/LCH



11N40/MCH



11N40/HCH



B.5 RF Conducted Spurious Emissions

Antenna 0

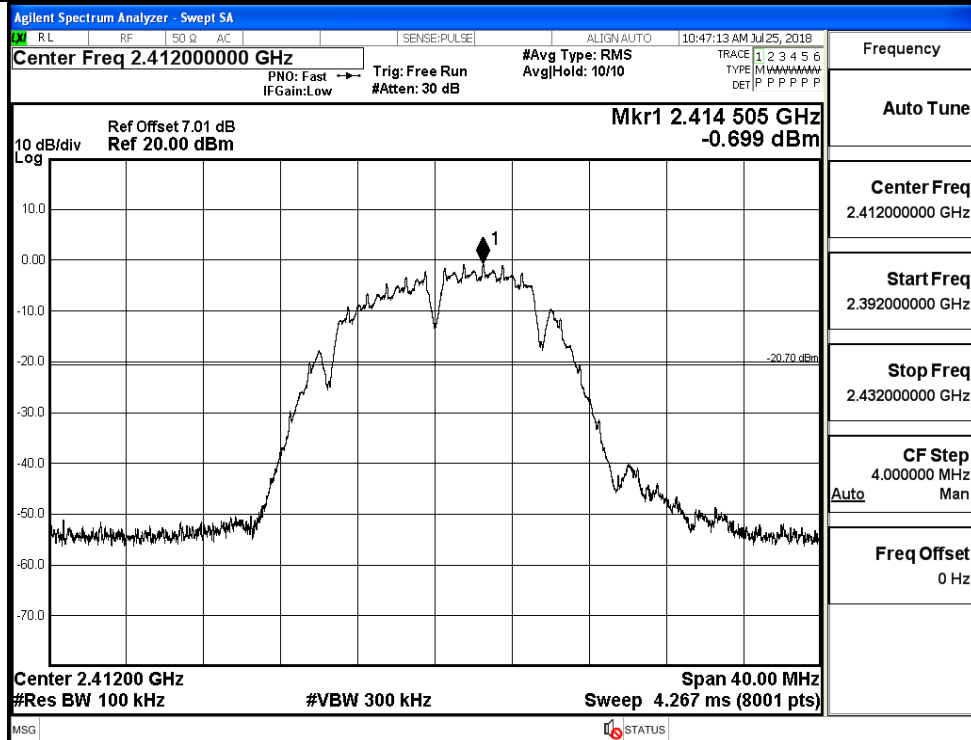
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.652	≥ 0.5	PASS
	MCH	9.565	≥ 0.5	PASS
	HCH	8.668	≥ 0.5	PASS
11G	LCH	16.55	≥ 0.5	PASS
	MCH	16.51	≥ 0.5	PASS
	HCH	16.59	≥ 0.5	PASS
11N20	LCH	17.75	≥ 0.5	PASS
	MCH	17.75	≥ 0.5	PASS
	HCH	17.85	≥ 0.5	PASS
11N40	LCH	36.52	≥ 0.5	PASS
	MCH	36.62	≥ 0.5	PASS
	HCH	36.64	≥ 0.5	PASS

Antenna 1

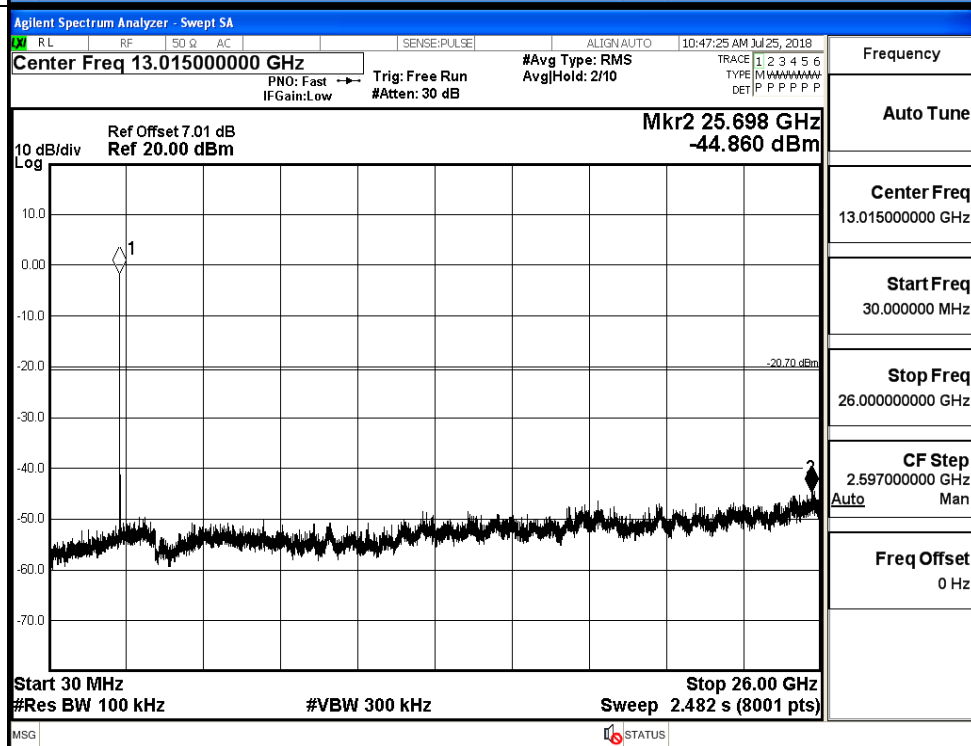
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.645	≥ 0.5	PASS
	MCH	9.553	≥ 0.5	PASS
	HCH	8.661	≥ 0.5	PASS
11G	LCH	16.57	≥ 0.5	PASS
	MCH	16.53	≥ 0.5	PASS
	HCH	16.20	≥ 0.5	PASS
11N20	LCH	17.83	≥ 0.5	PASS
	MCH	17.74	≥ 0.5	PASS
	HCH	17.86	≥ 0.5	PASS
11N40	LCH	36.71	≥ 0.5	PASS
	MCH	36.55	≥ 0.5	PASS
	HCH	36.78	≥ 0.5	PASS

11B LCH Graphs Ant0

Pref/11B/LCH

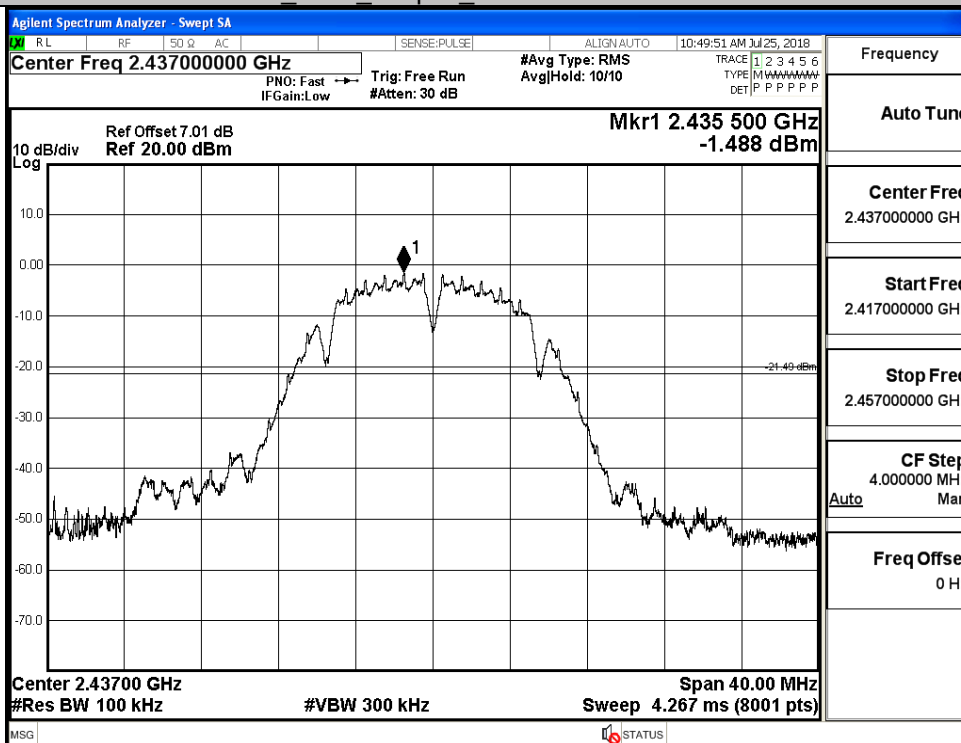


Puw/11B/LCH

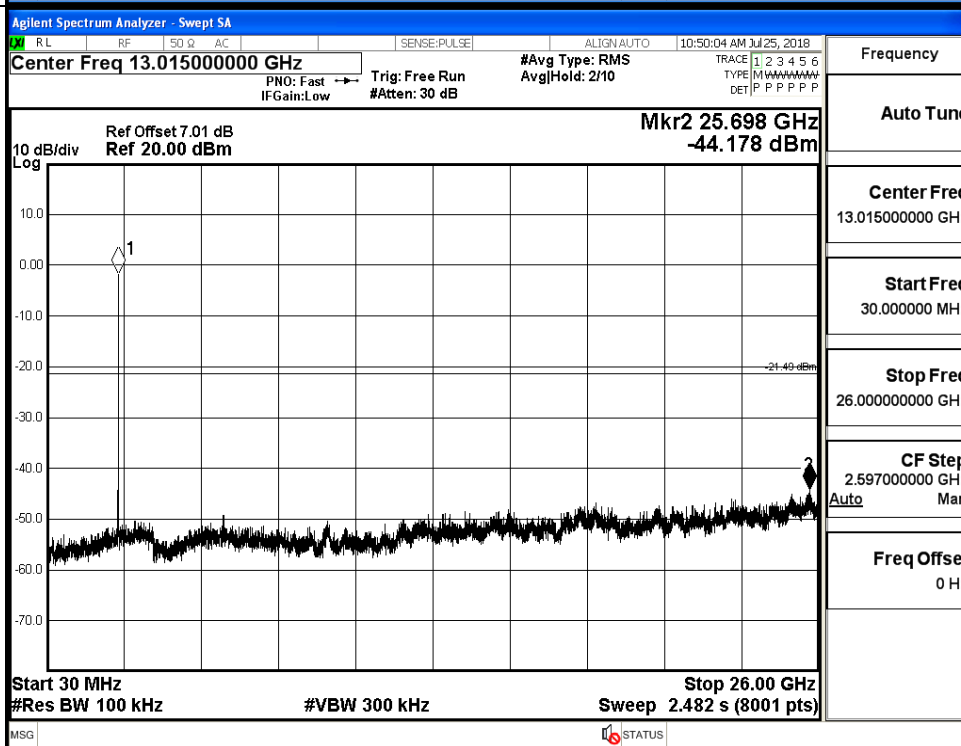


11B MCH Graphs Ant0

Pref/11B/MCH

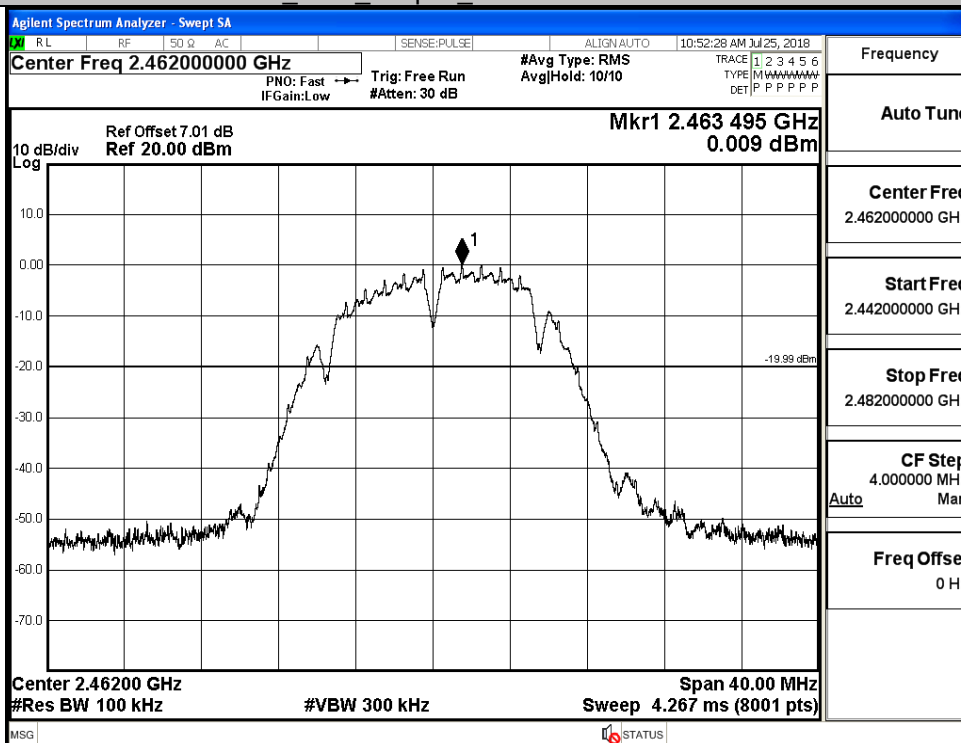


Puw/11B/MCH

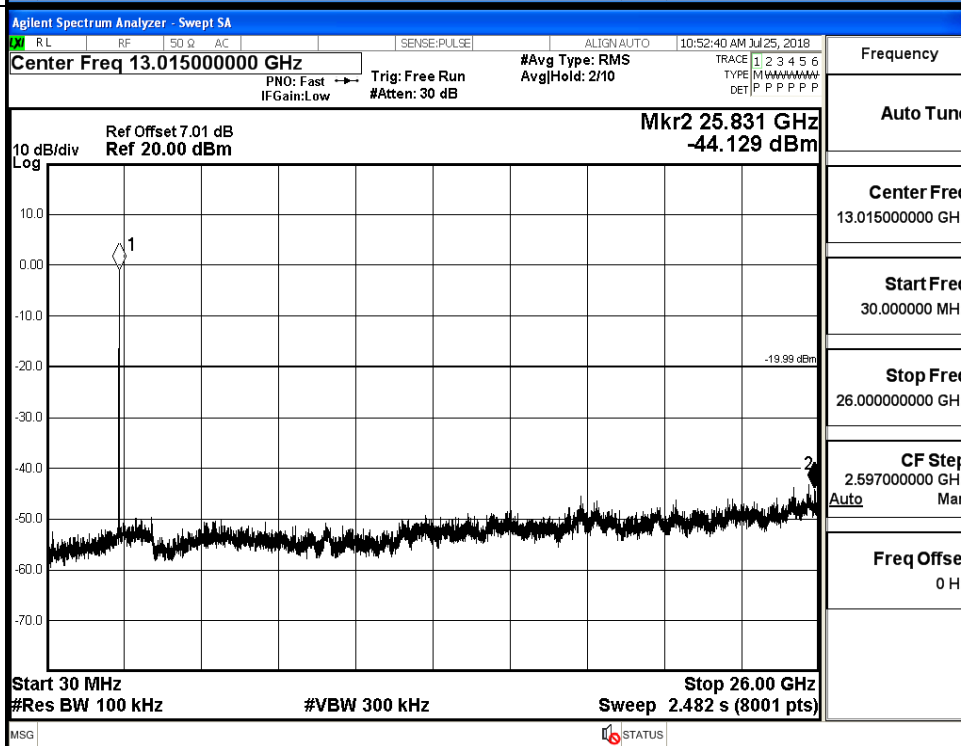


11B_HCH_Graphs_Ant0

Pref/11B/HCH

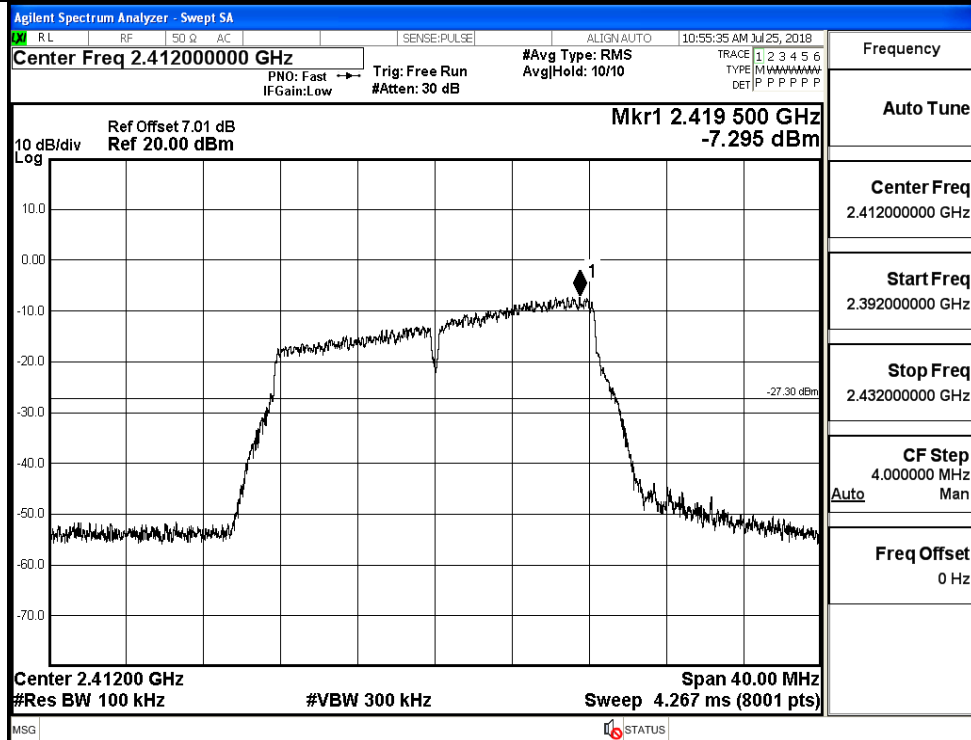


Puw/11B/HCH

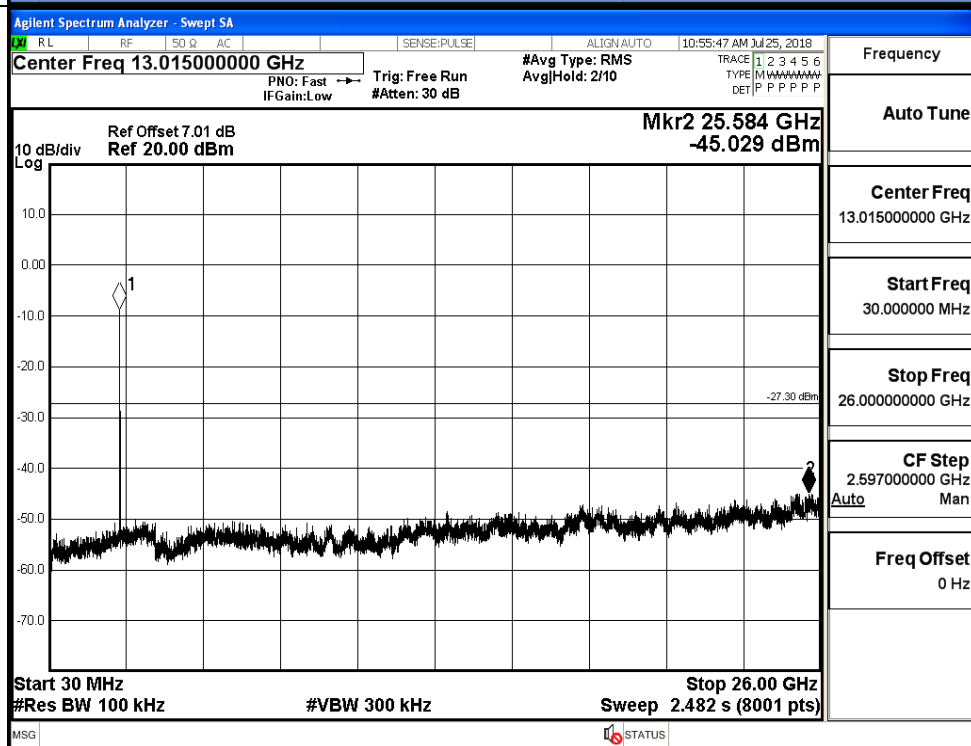


11G LCH Graphs Ant0

Pref/11G/LCH

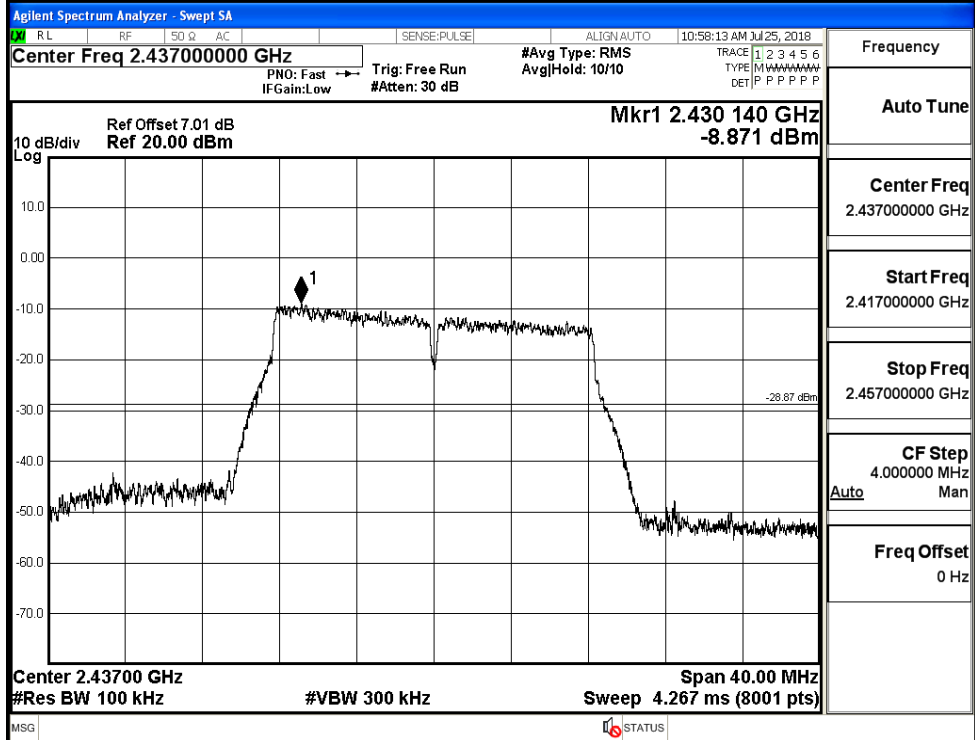


Puw/11G/LCH

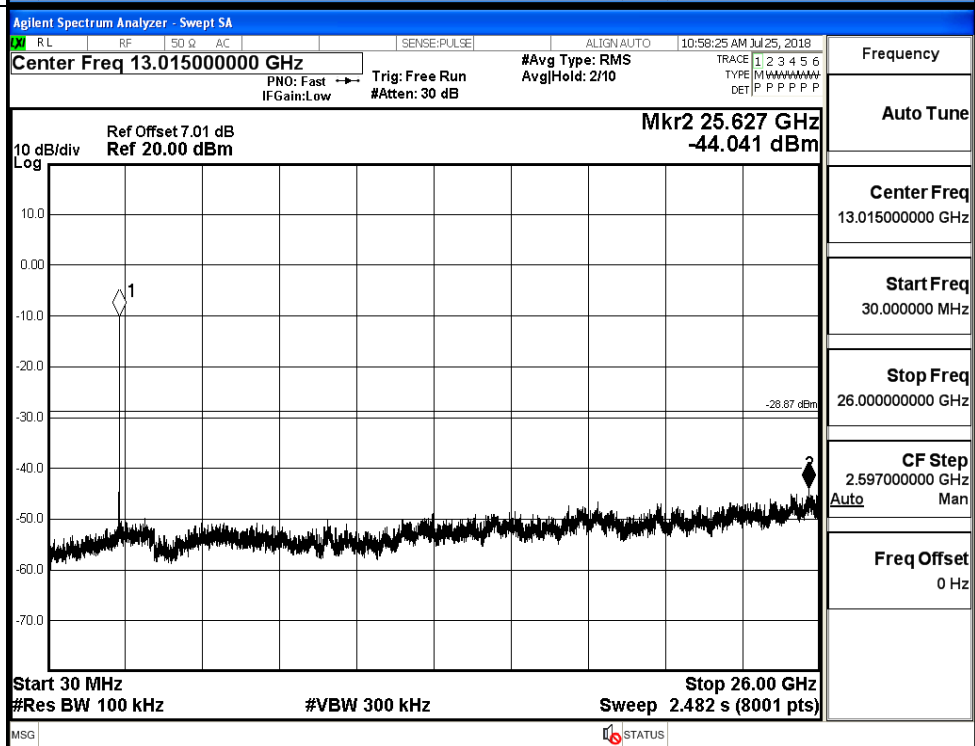


11G_MCH_Graphs_Ant0

Pref/11G/MCH

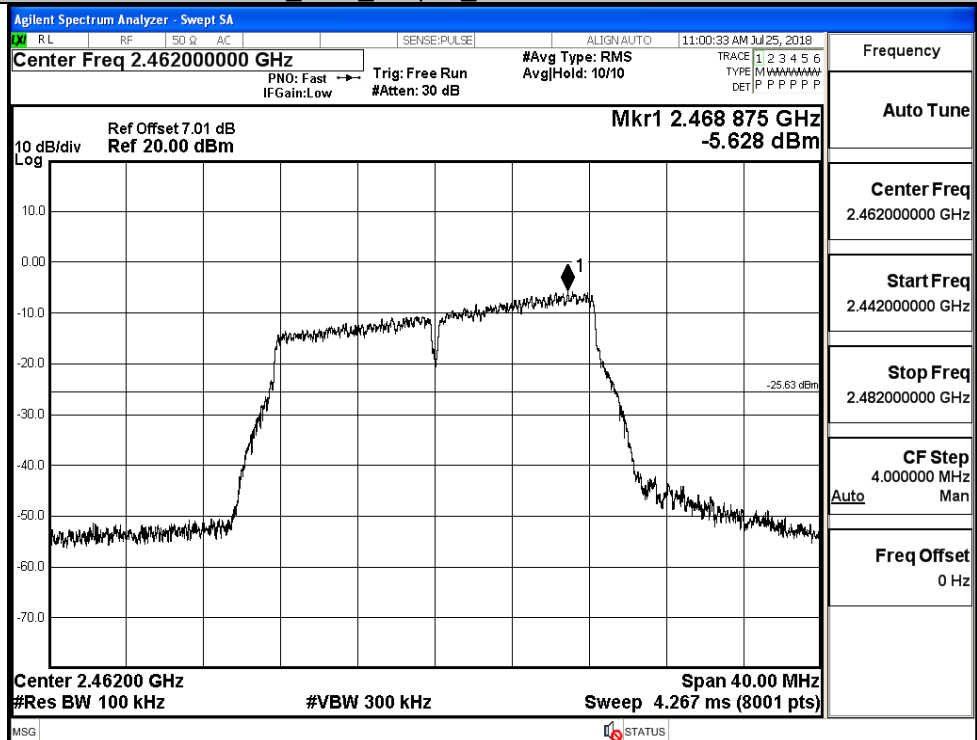


Puw/11G/MCH

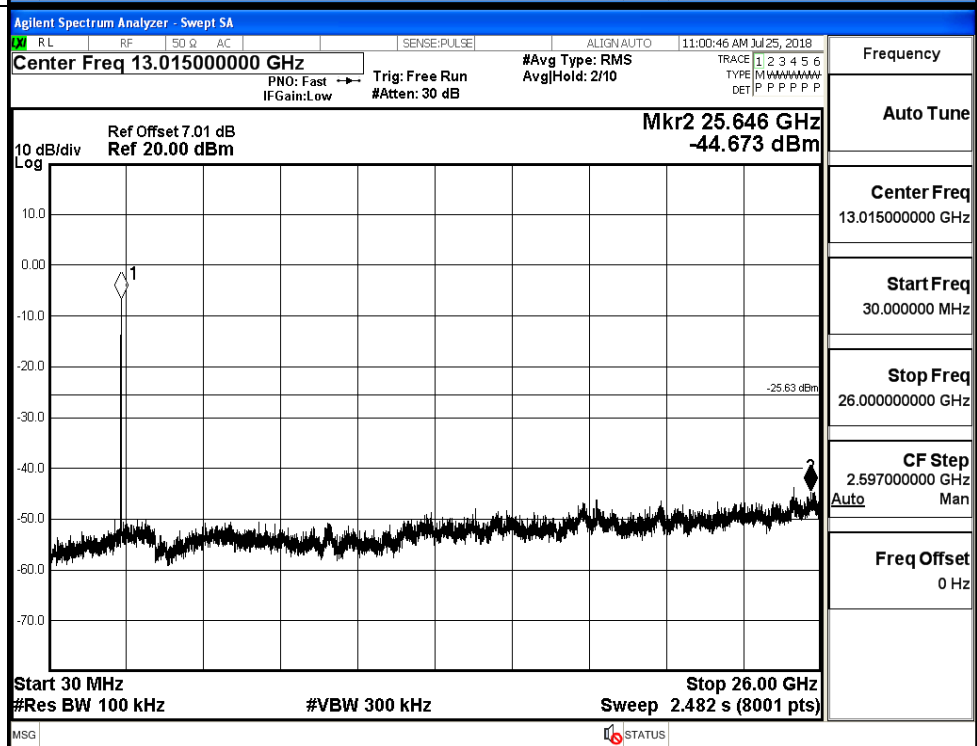


11G HCH Graphs Ant0

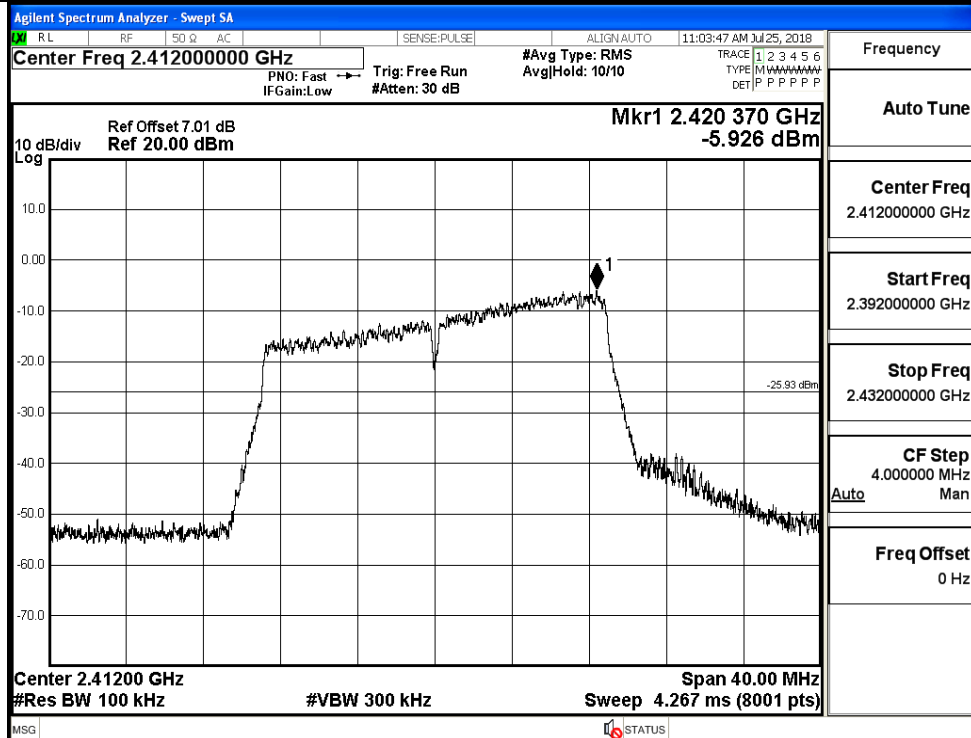
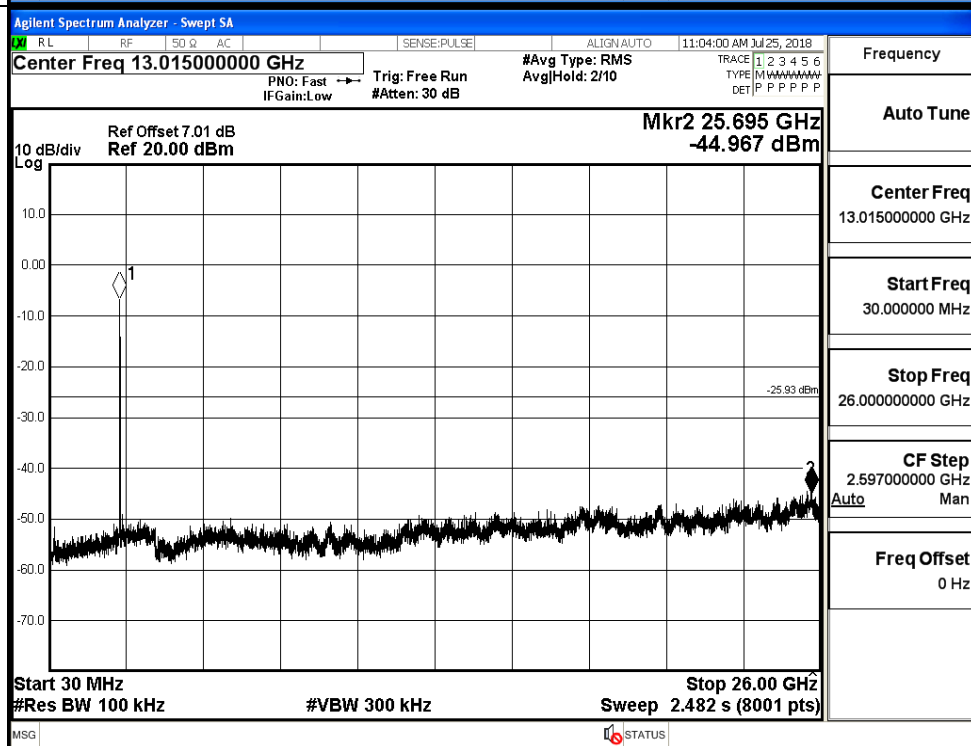
Pref/11G/HCH



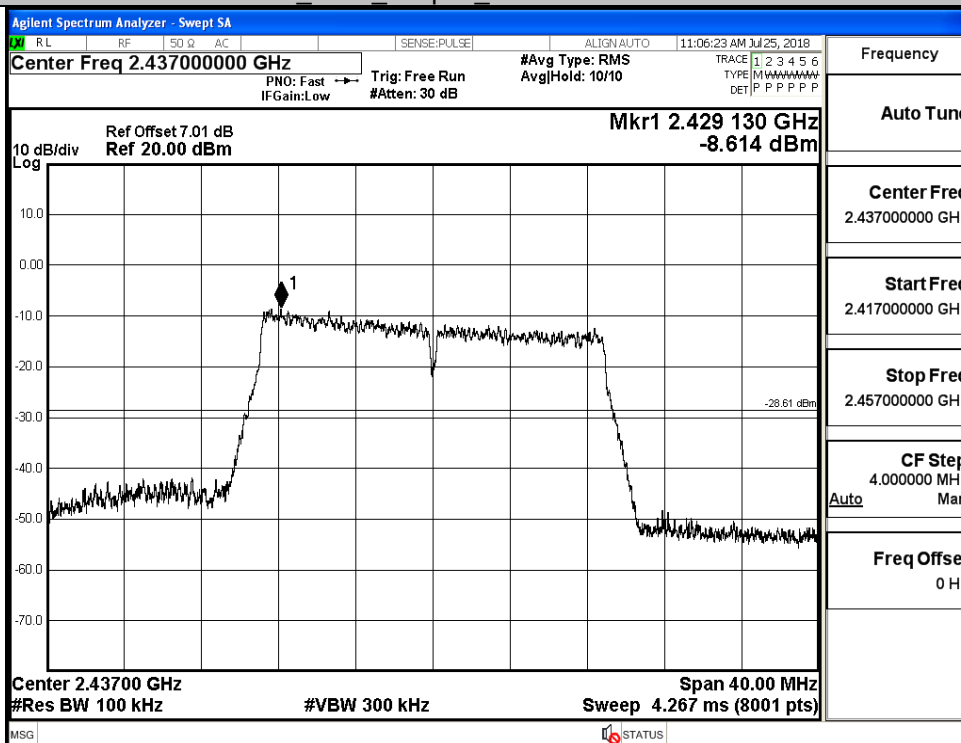
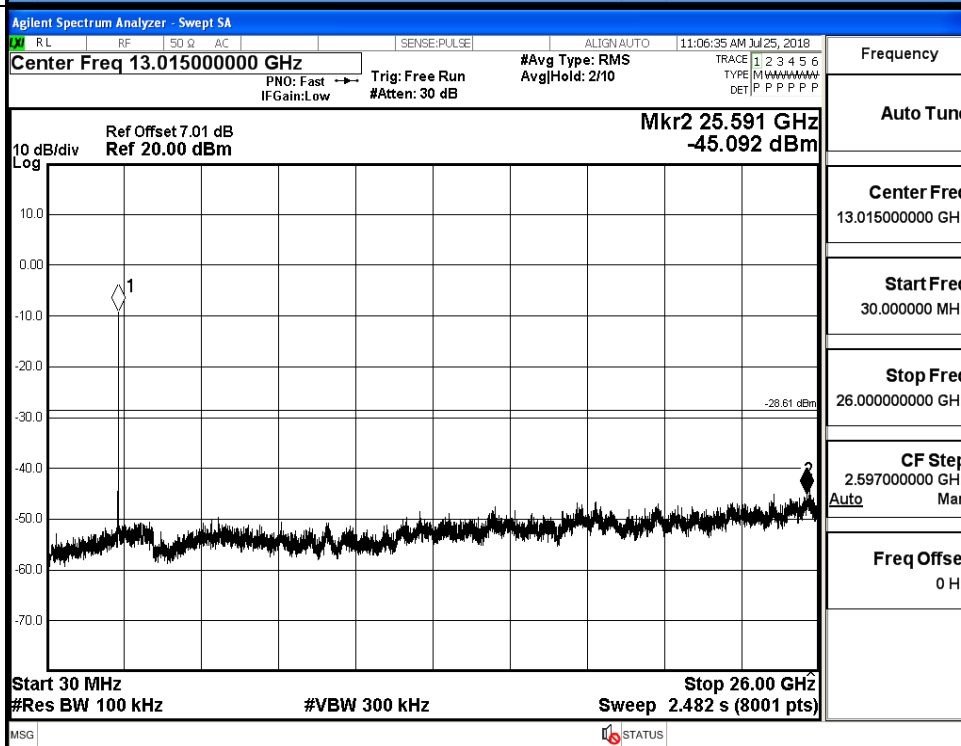
Puw/11G/HCH



11N20 LCH Graphs Ant0

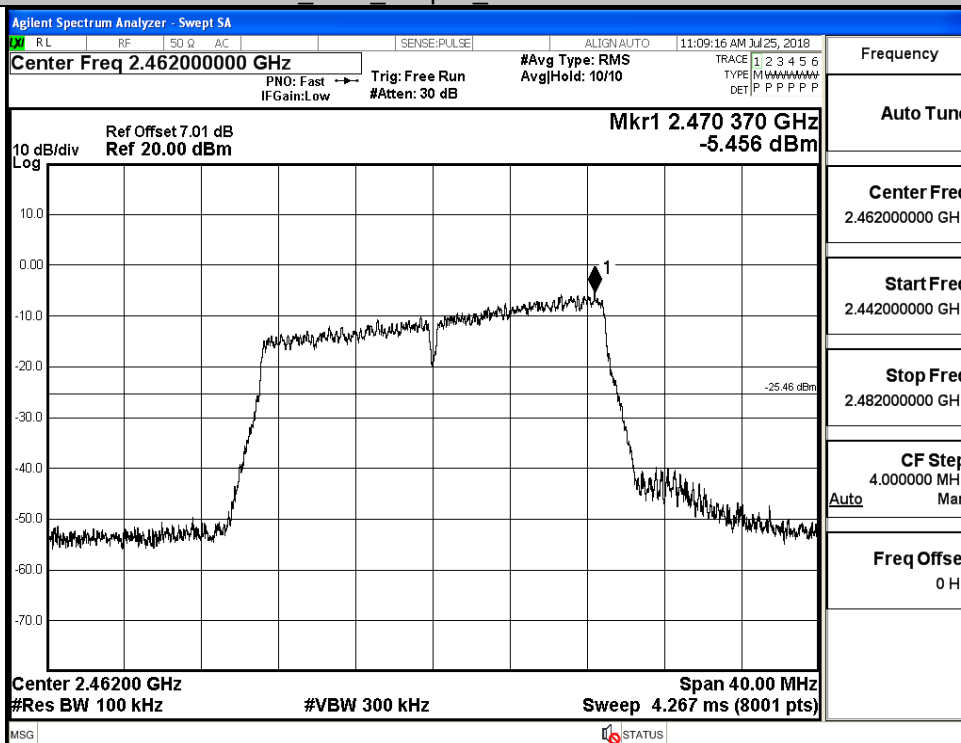
Pref/11N20/LC
HPuw/11N20
/LCH

11N20 MCH Graphs Ant0

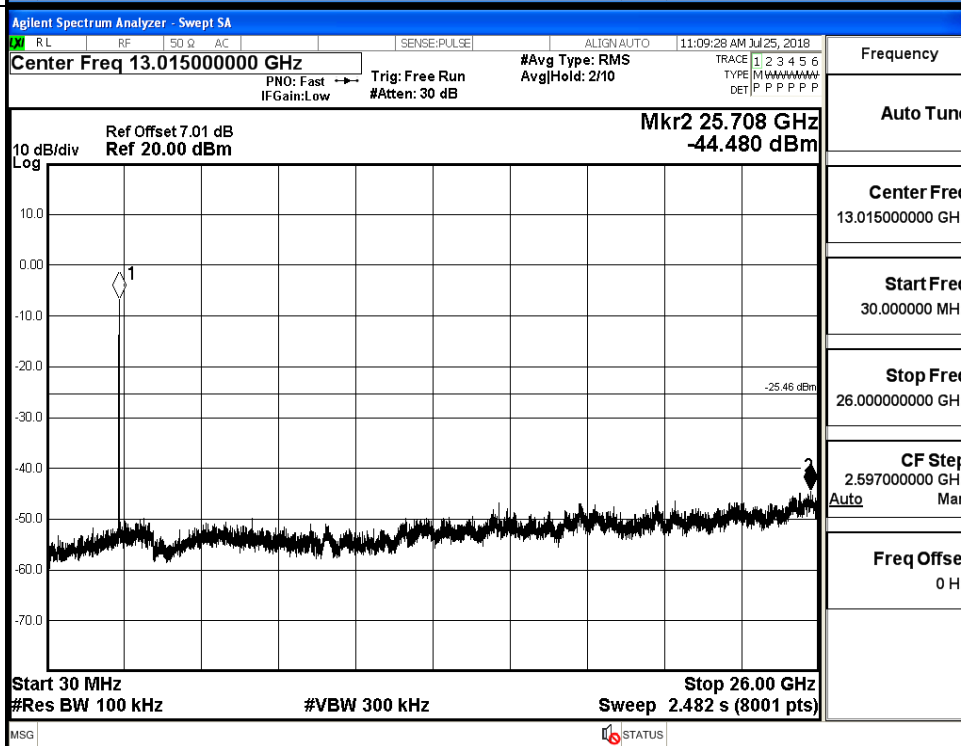
Pref/11N20/MC
HPuw/11N20/MC
H

11N20_HCH_Graphs_Ant0

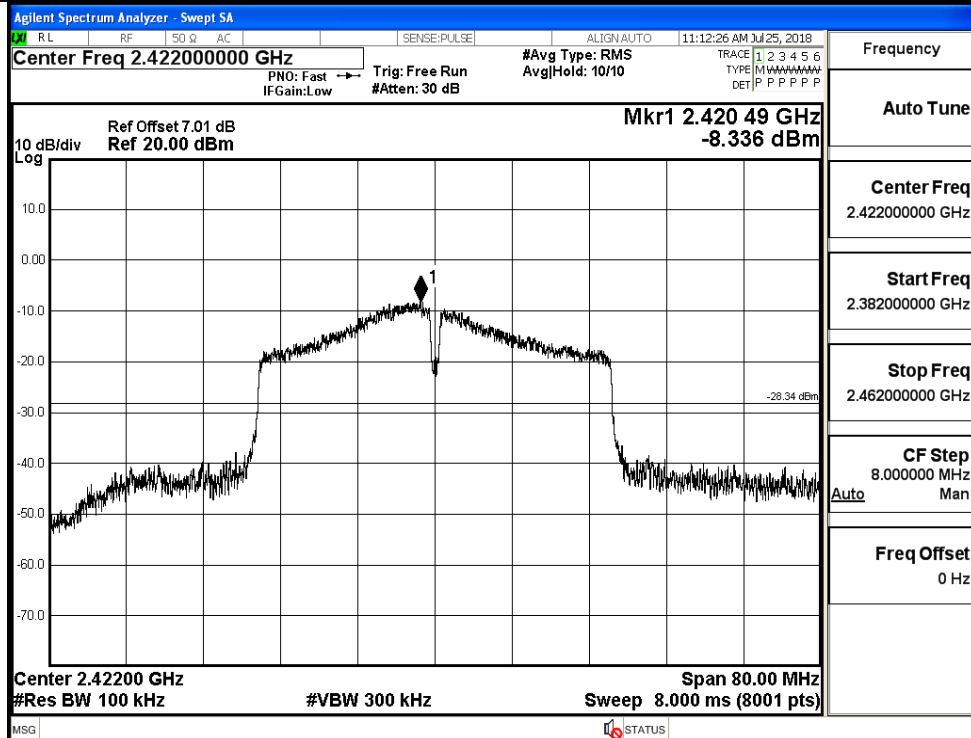
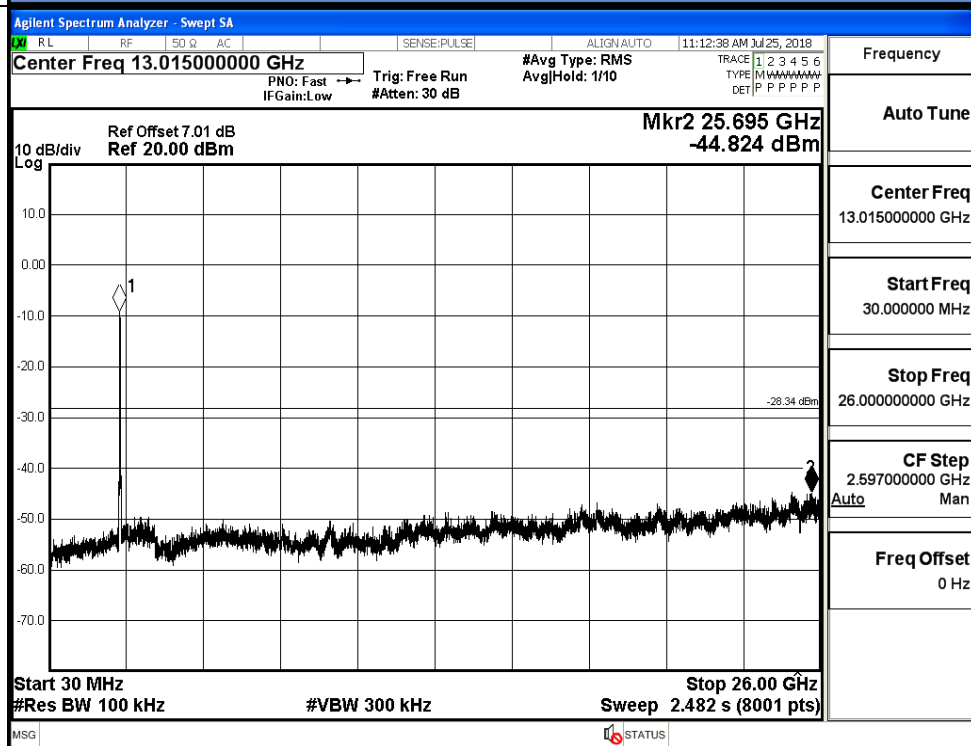
Pref/11N20/HCH



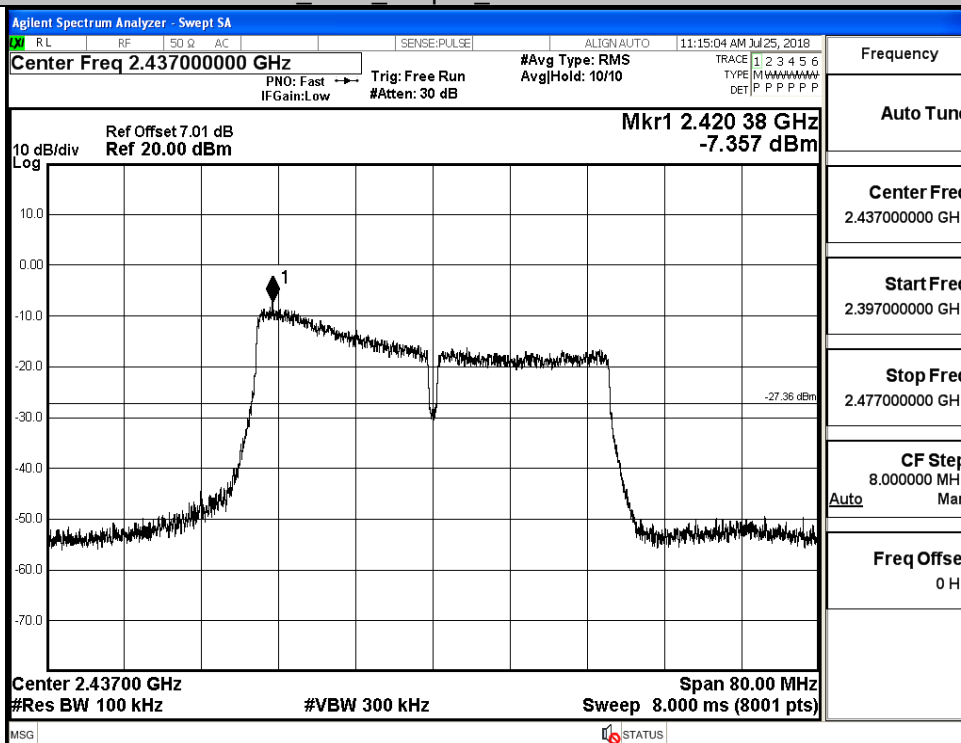
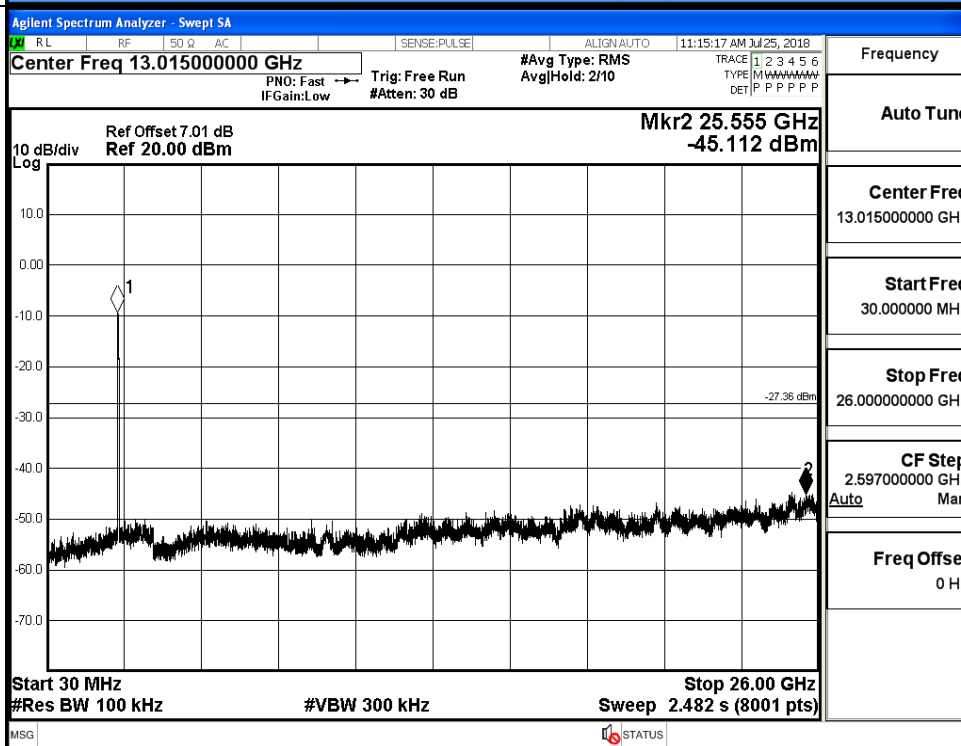
Puw/11N20/HCH



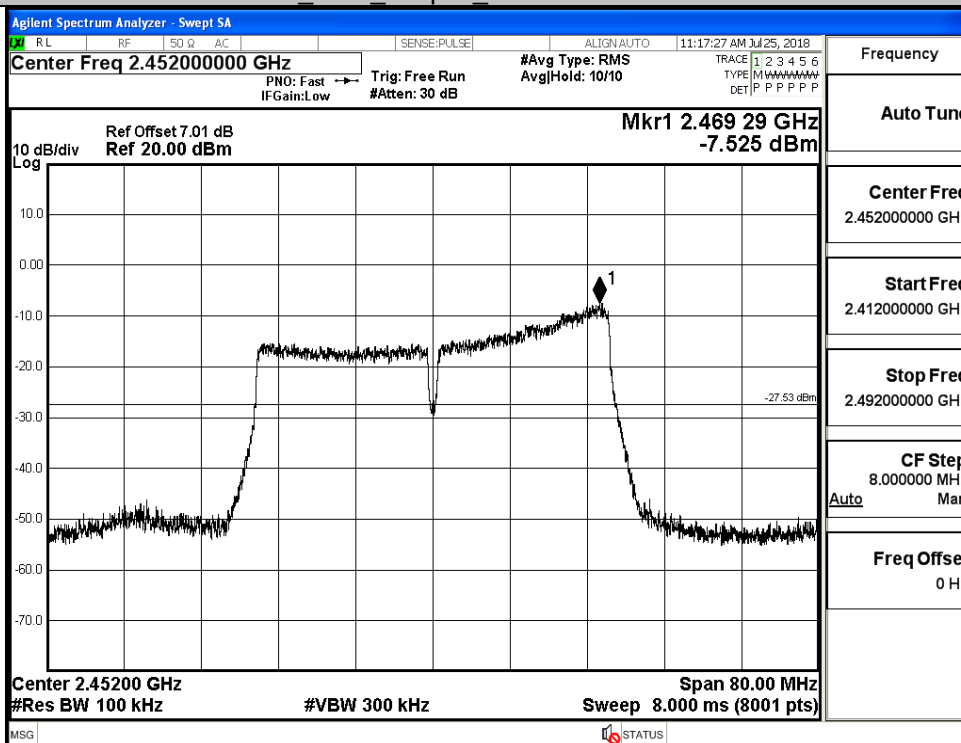
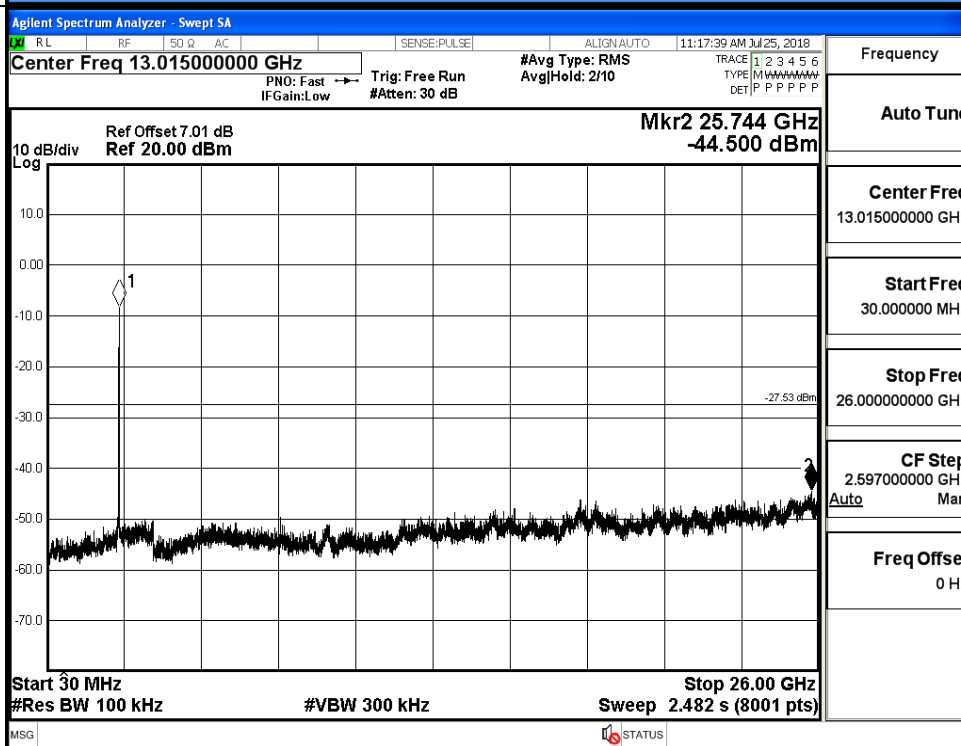
11N40 LCH Graphs Ant0

Pref/11N40/LC
HPuw/11N40
/LCH

11N40 MCH Graphs Ant0

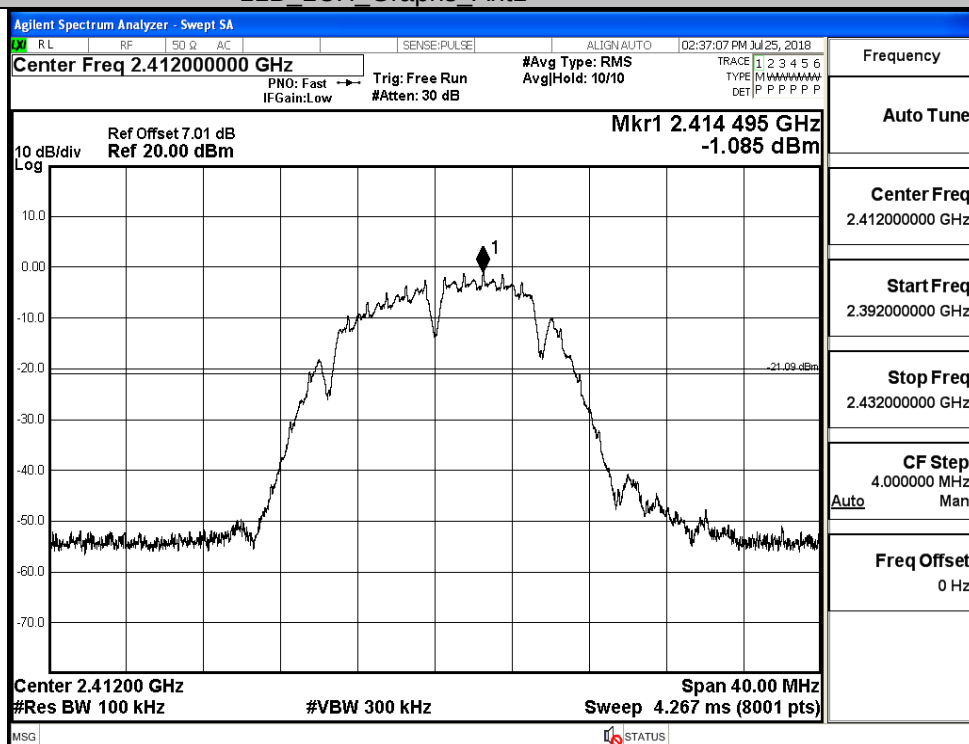
Pref/11N40
/MCHPuw/11N40
SISO/MCH

11N40_HCH_Graphs_Ant0

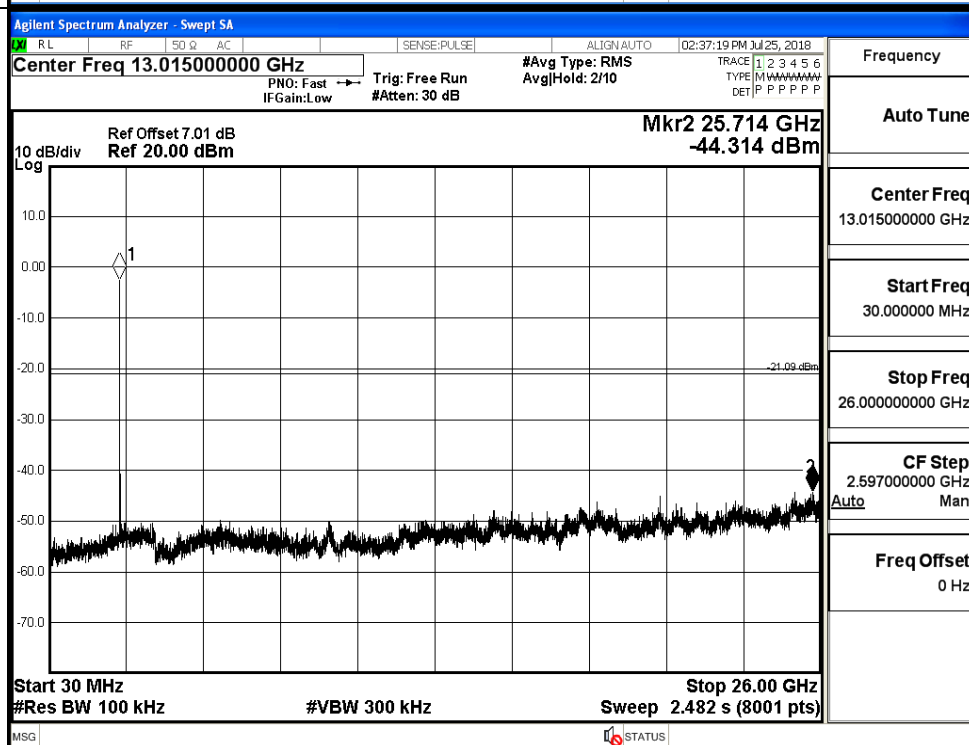
Pref/11N40
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/HCH

11B LCH Graphs Ant1

Pref/11B/LCH

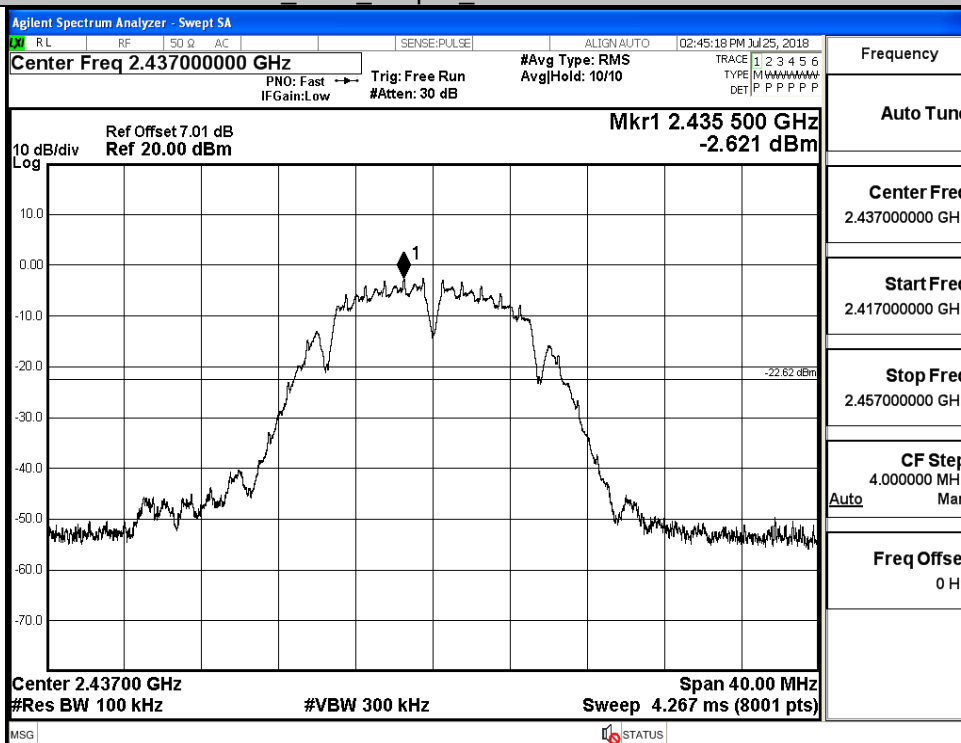


Puw/11B/LCH

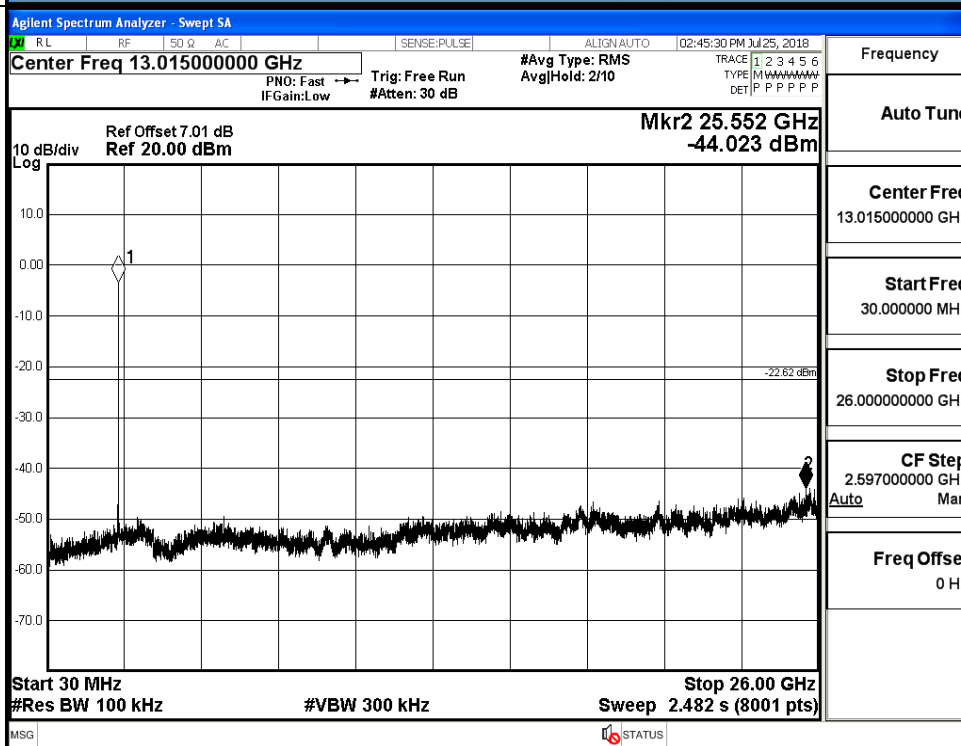


11B MCH Graphs Ant1

Pref/11B/MCH

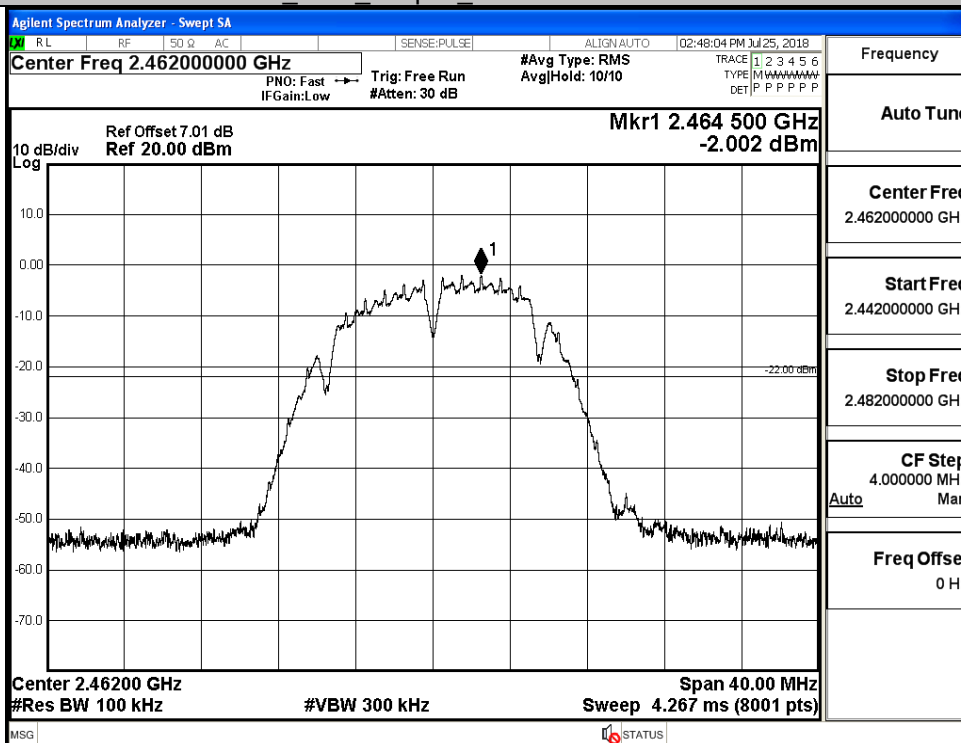


Puw/11B/MCH



11B HCH Graphs Ant1

Pref/11B/HCH



Puw/11B/HCH

