

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

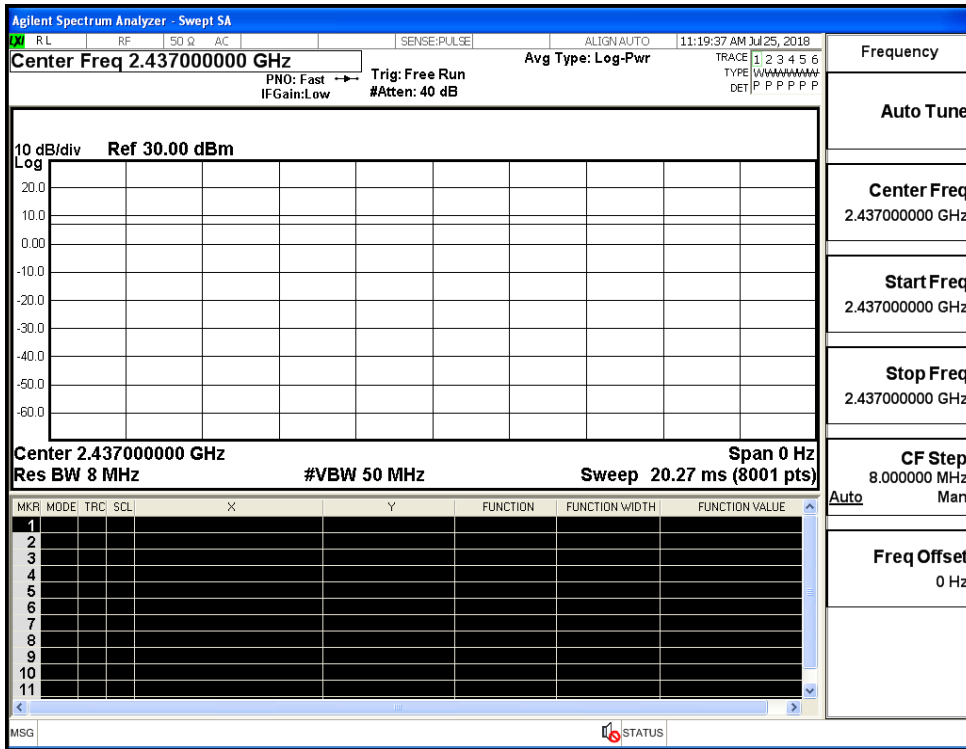
Antenna 0

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

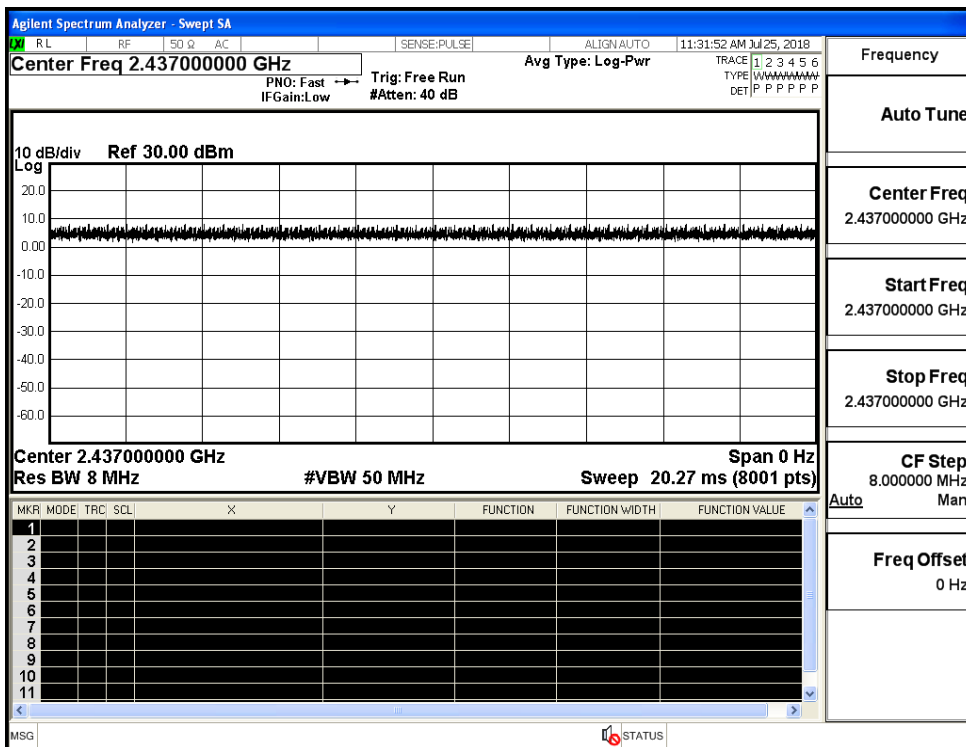
Antenna 1

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

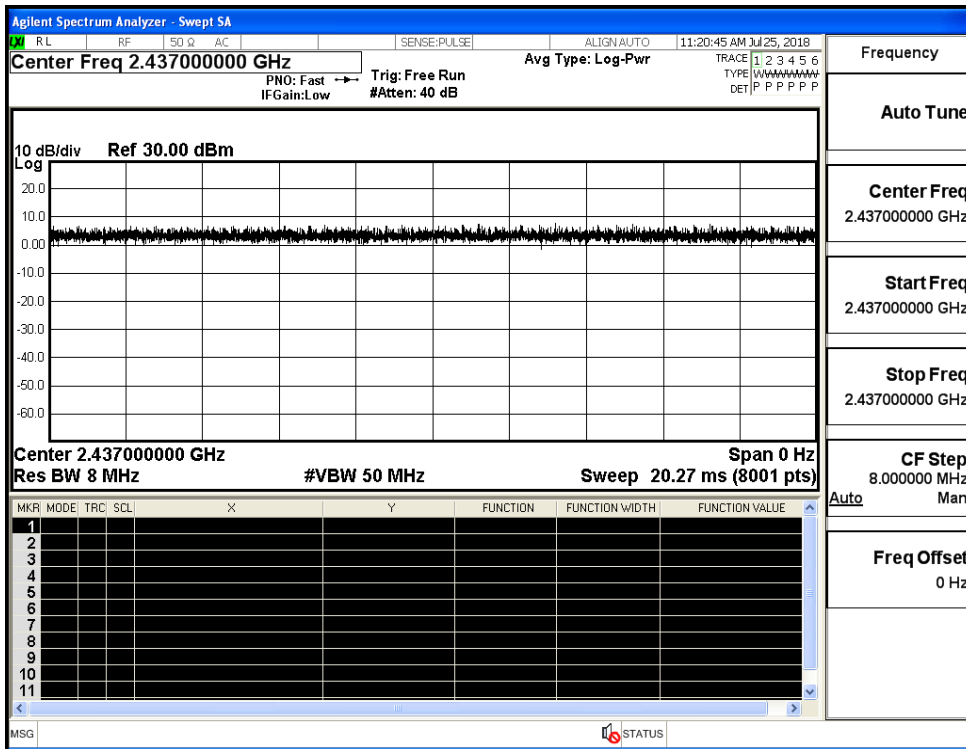
Duty Cycle_11B_2437_Ant0



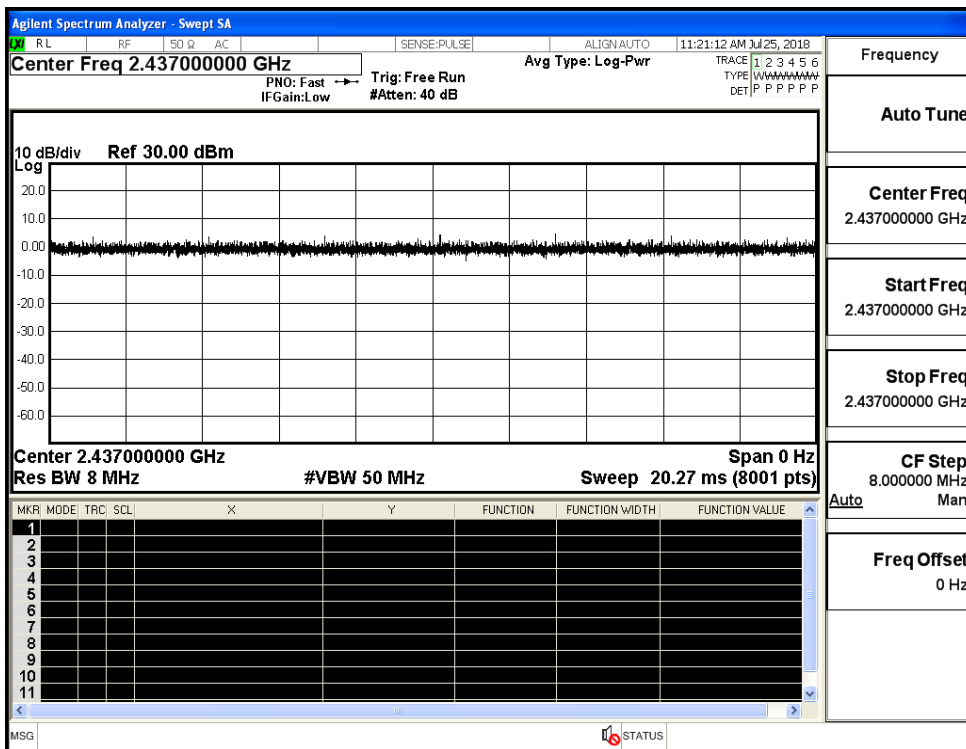
Duty Cycle_11G_2437_Ant0



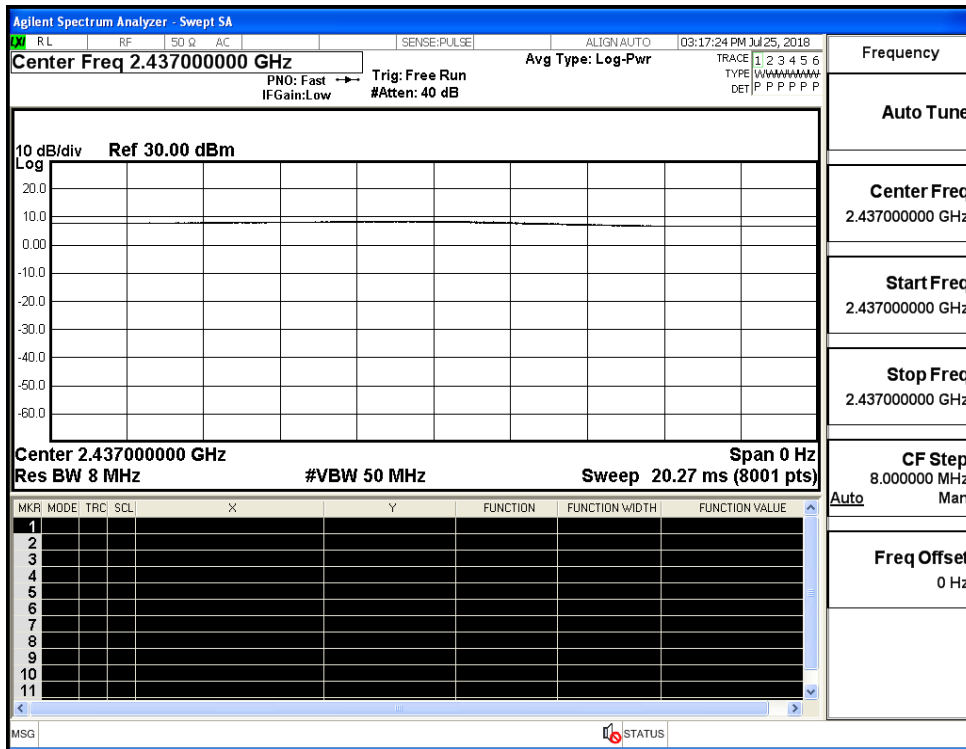
Duty Cycle_11N20_2437_Ant0



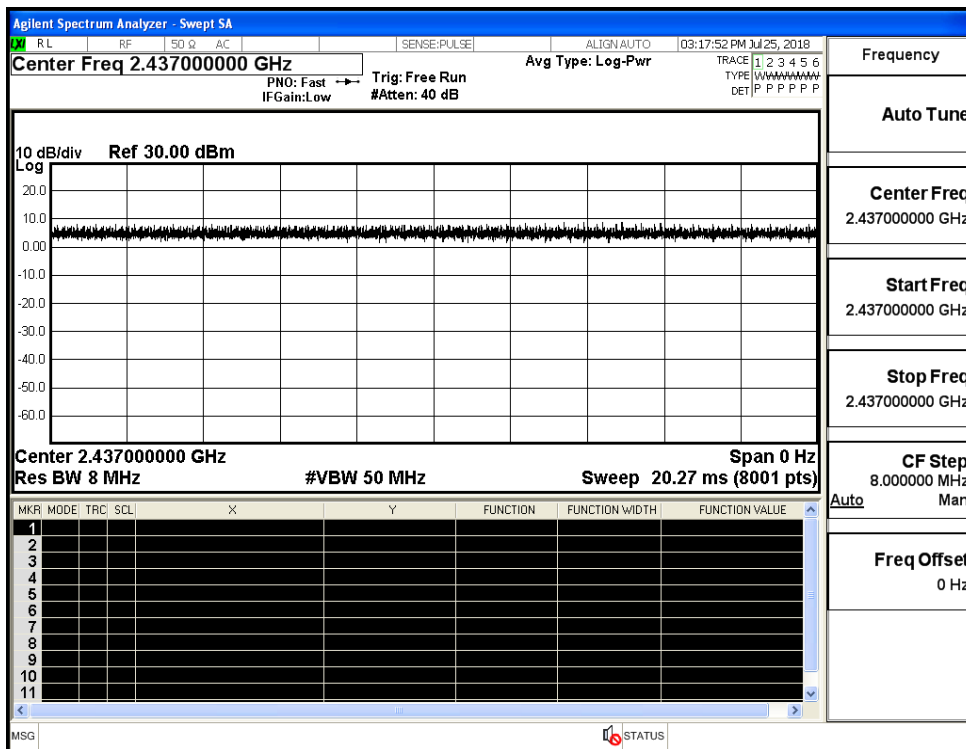
Duty Cycle_11N40_2437_Ant0



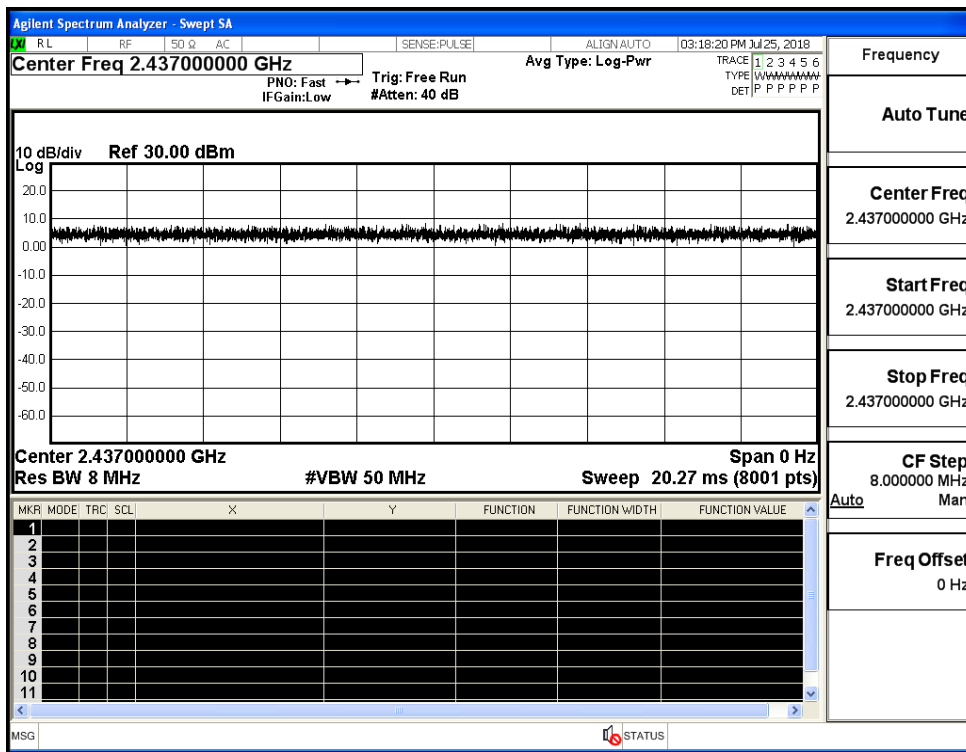
Duty Cycle_11B_2437_Ant1



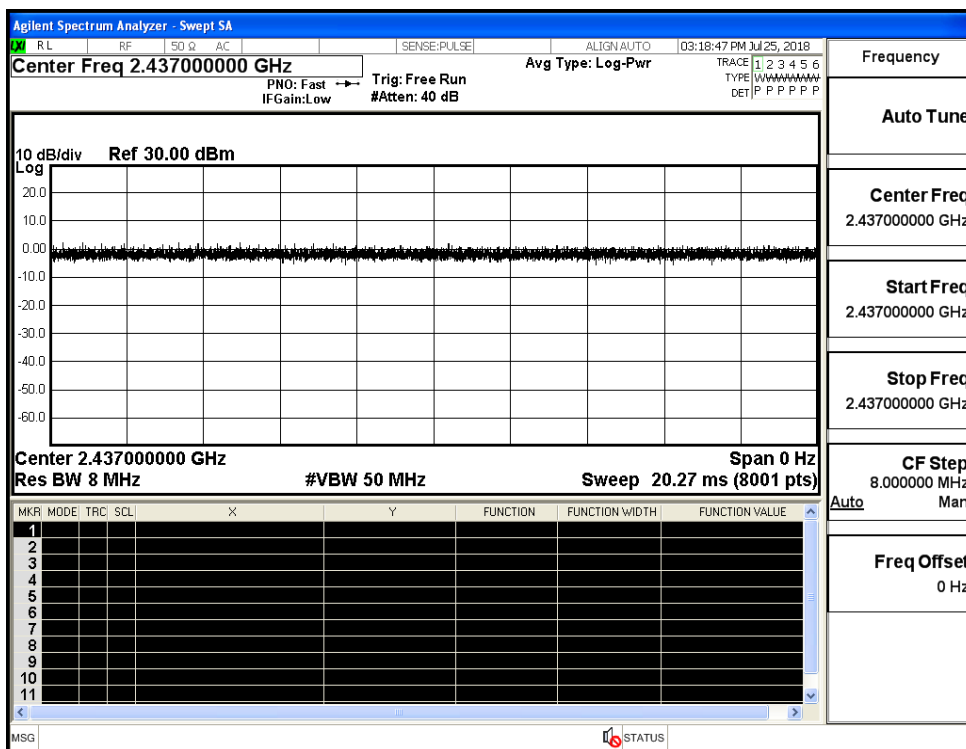
Duty Cycle_11G_2437_Ant1



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

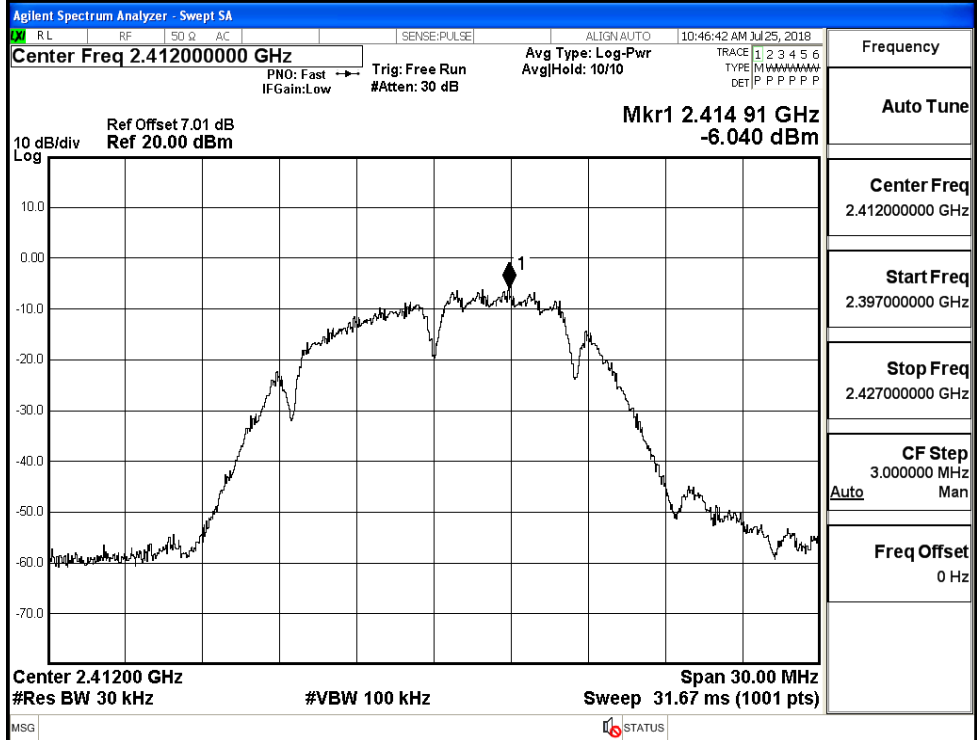
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-6.468	8	PASS
	MCH	-8.162	8	PASS
	HCH	-7.305	8	PASS
11G	LCH	-9.797	8	PASS
	MCH	-12.395	8	PASS
	HCH	-8.710	8	PASS
11N20	LCH	-9.580	8	PASS
	MCH	-11.589	8	PASS
	HCH	-8.915	8	PASS
11N40	LCH	-10.470	8	PASS
	MCH	-11.568	8	PASS
	HCH	-7.007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

Antenna 0+Antenna 1

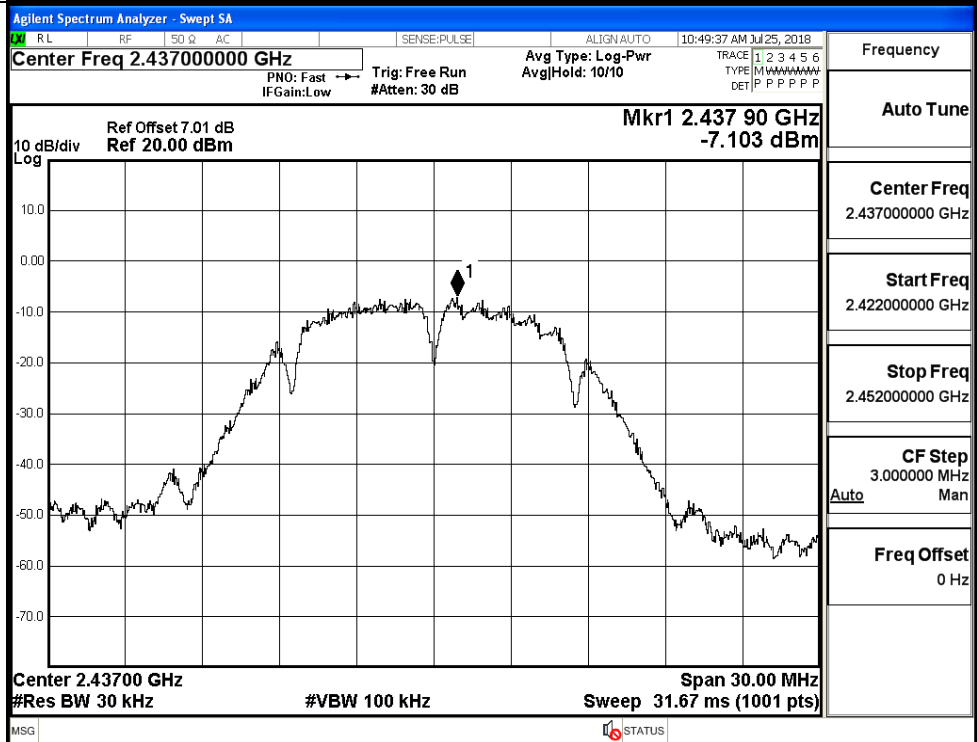
Mode	Channel	Meas.Level [dBm/30KHz]			Limit [dBm/3KHz]	Verdict
		Ant0	Ant1	Sum		
11N20	LCH	-9.252	-9.580	-6.403	8	PASS
	MCH	-10.956	-11.589	-8.251	8	PASS
	HCH	-8.662	-8.915	-5.776	8	PASS
11N40	LCH	-10.577	-10.470	-7.513	8	PASS
	MCH	-11.404	-11.568	-8.475	8	PASS
	HCH	-10.884	-7.007	-5.516	8	PASS

Test Graphs_Ant0

11B/LCH



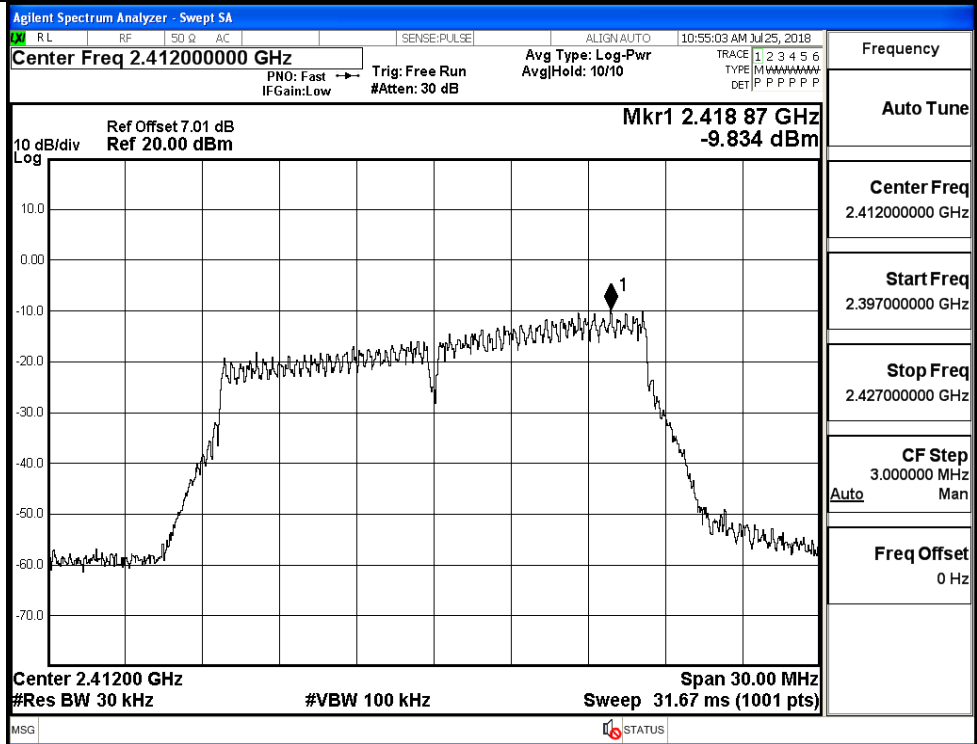
11B/MCH



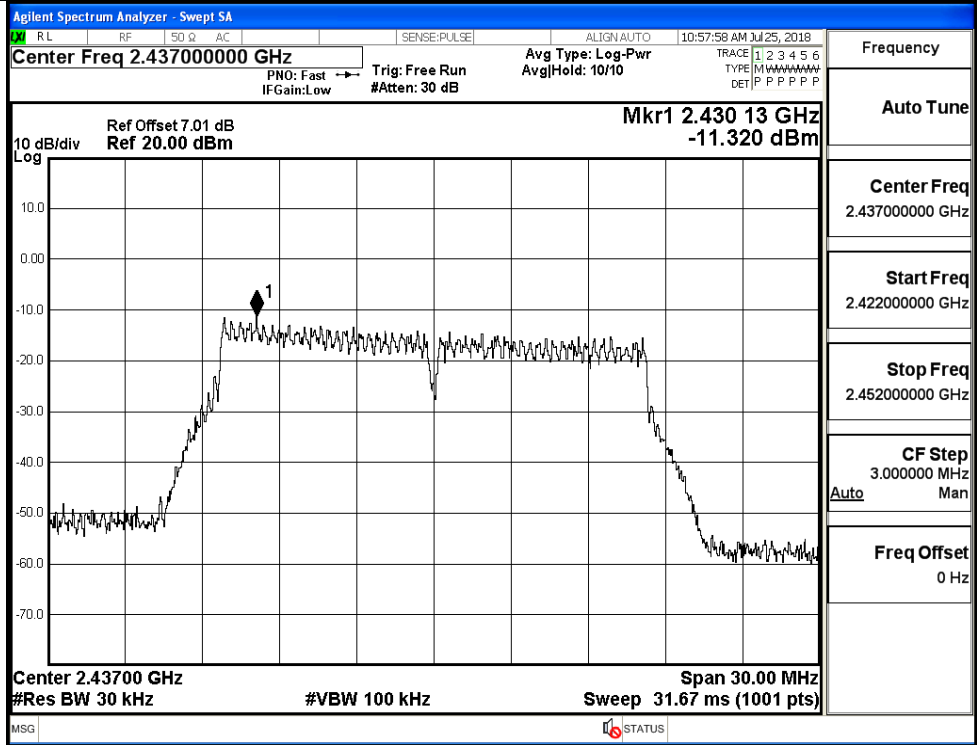
11B/HCH



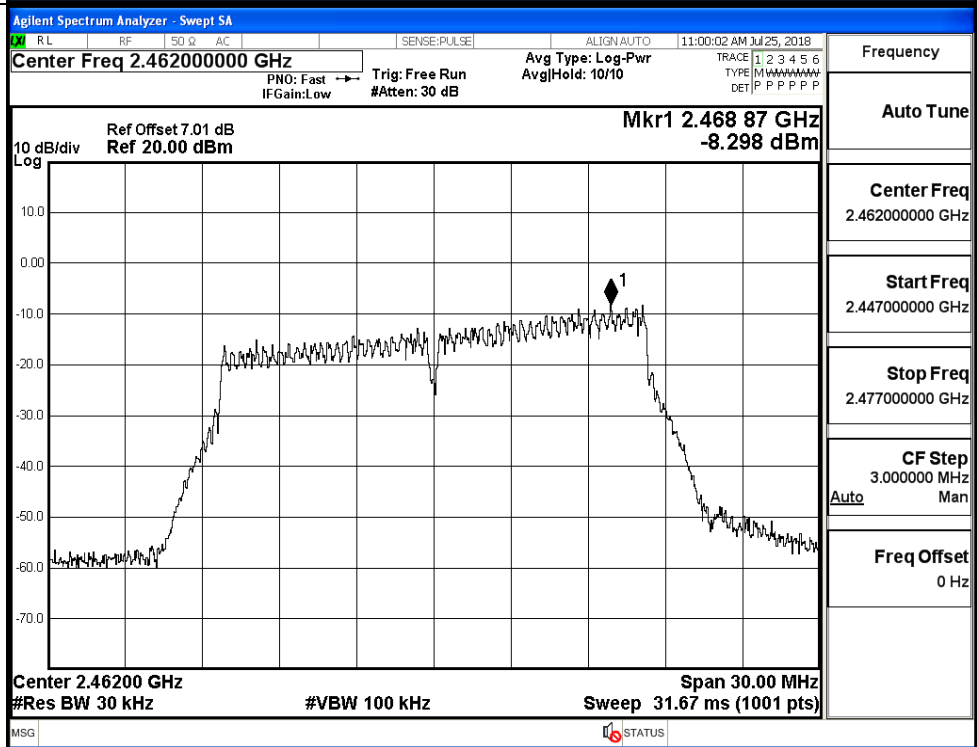
11G/LCH



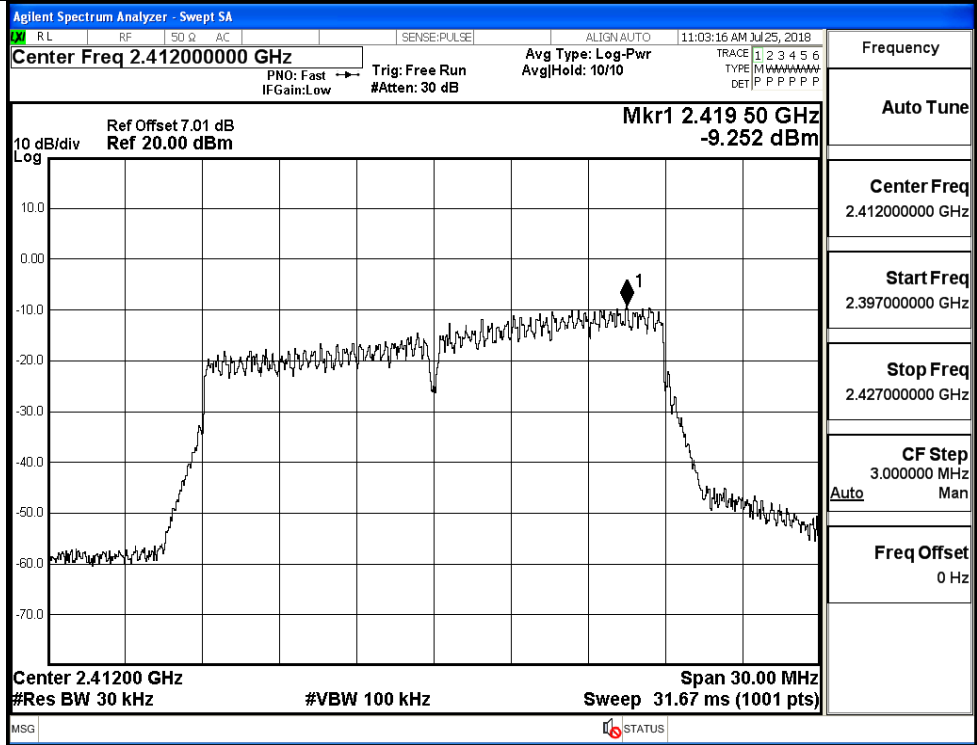
11G/MCH



11G/HCH

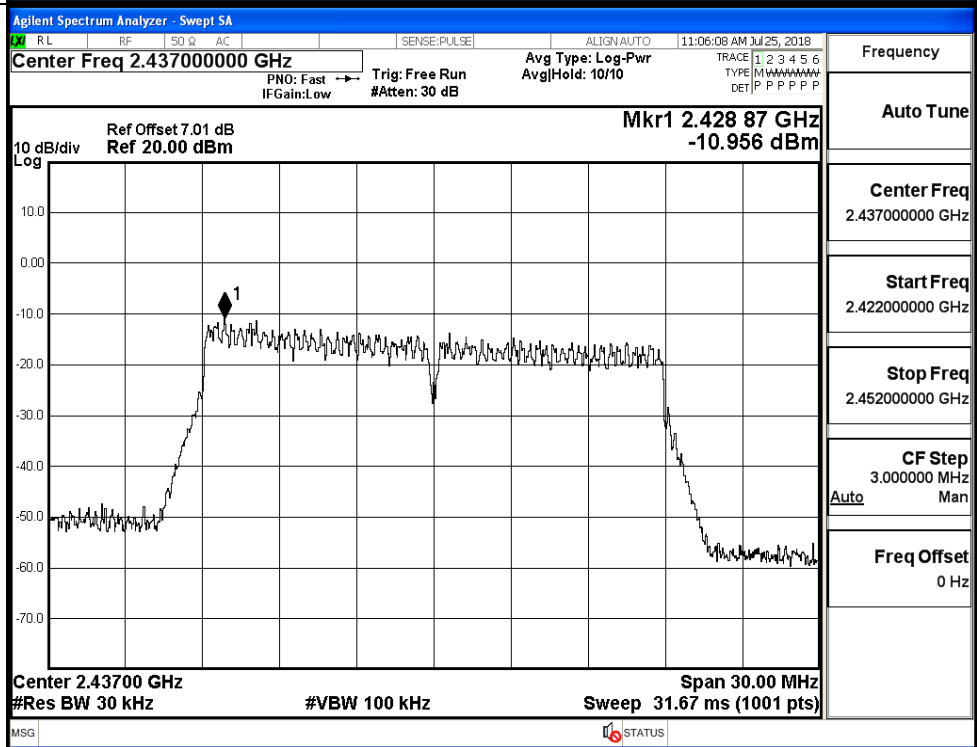


11N20/LCH



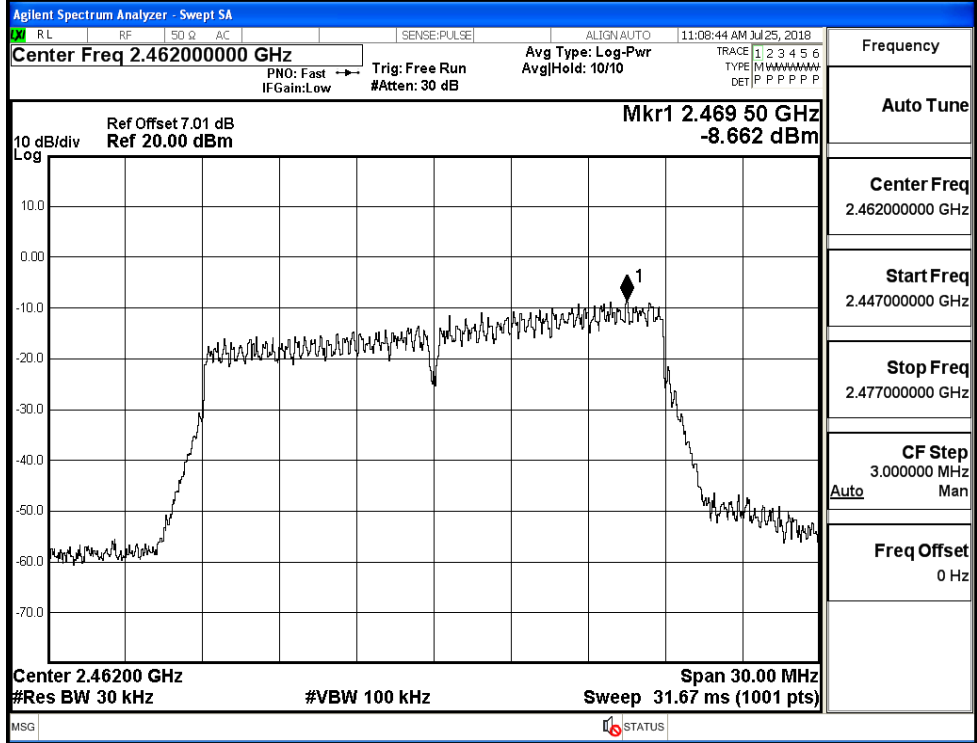
Frequency
Auto Tune
Center Freq 2.41200000 GHz
Start Freq 2.397000000 GHz
Stop Freq 2.427000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

11N20/MCH

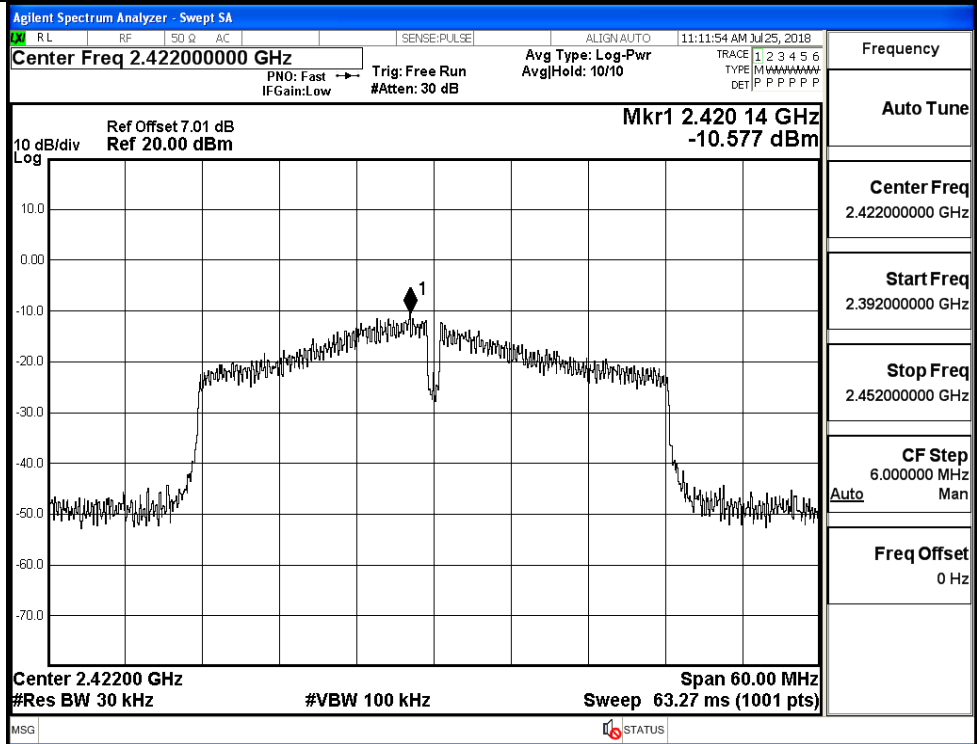


Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.422000000 GHz
Stop Freq 2.452000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

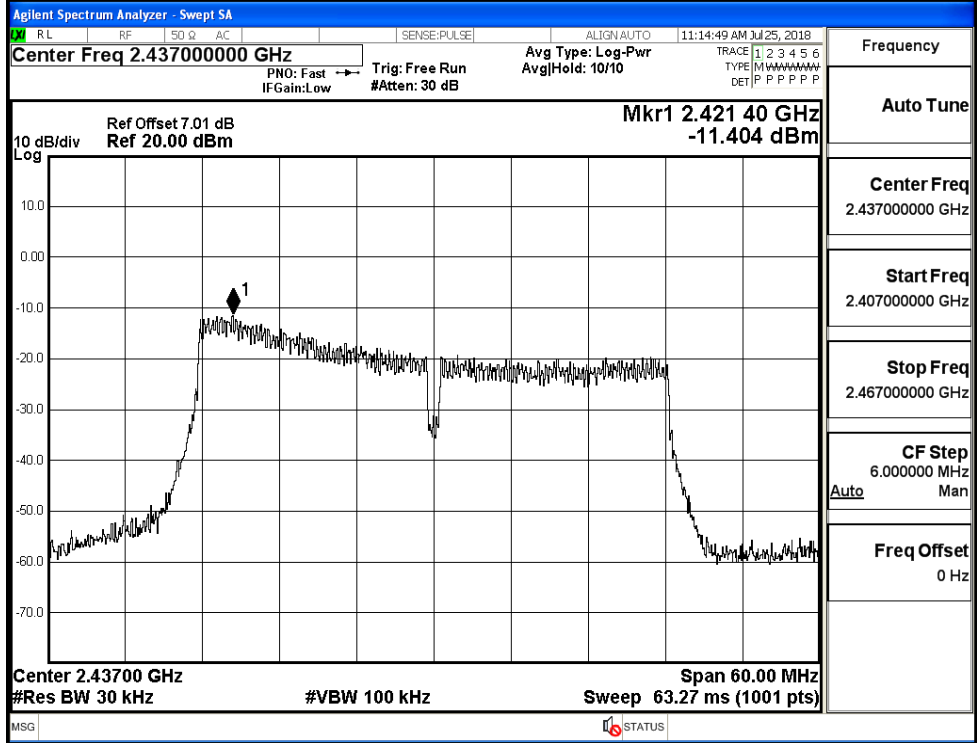
11N20/HCH



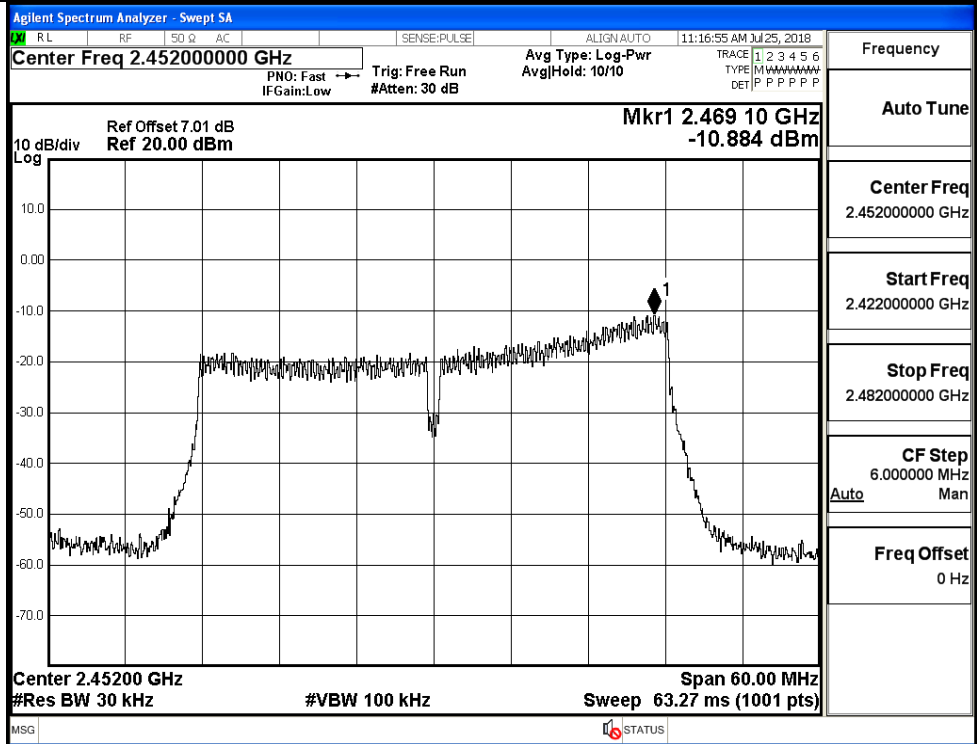
11N40/LCH



11N40/MCH

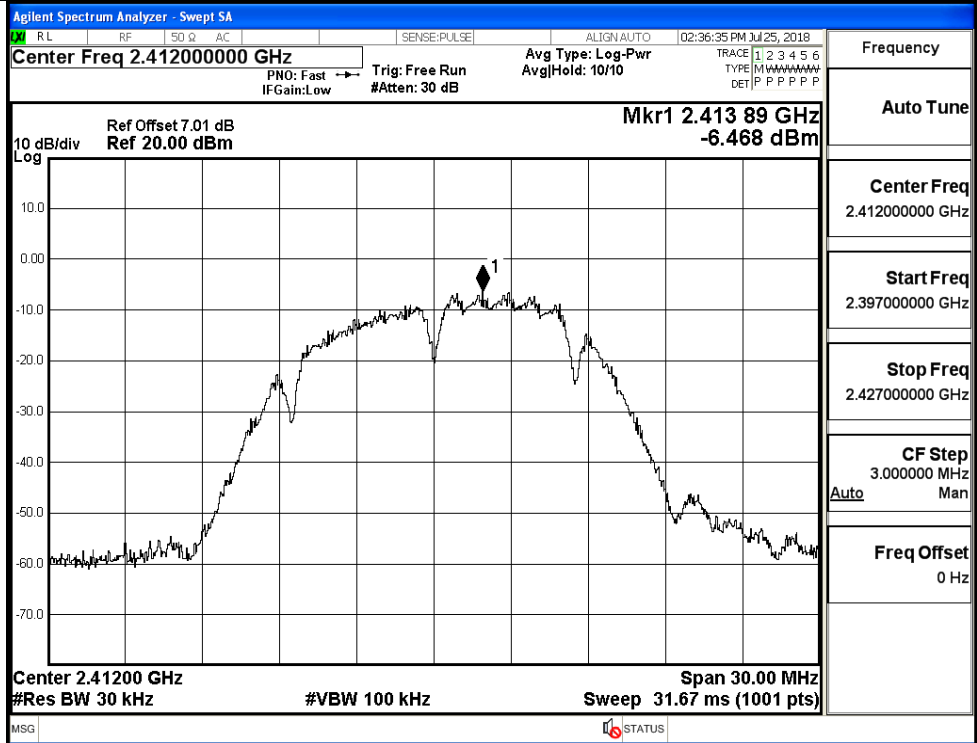


11N40/HCH

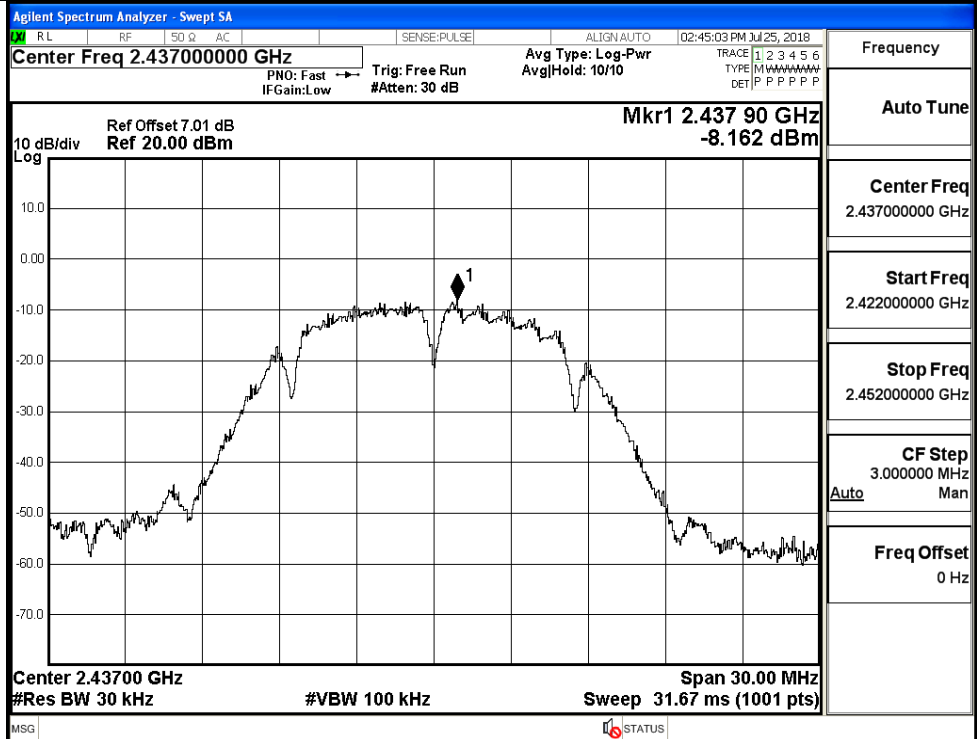


Test Graphs_Ant1

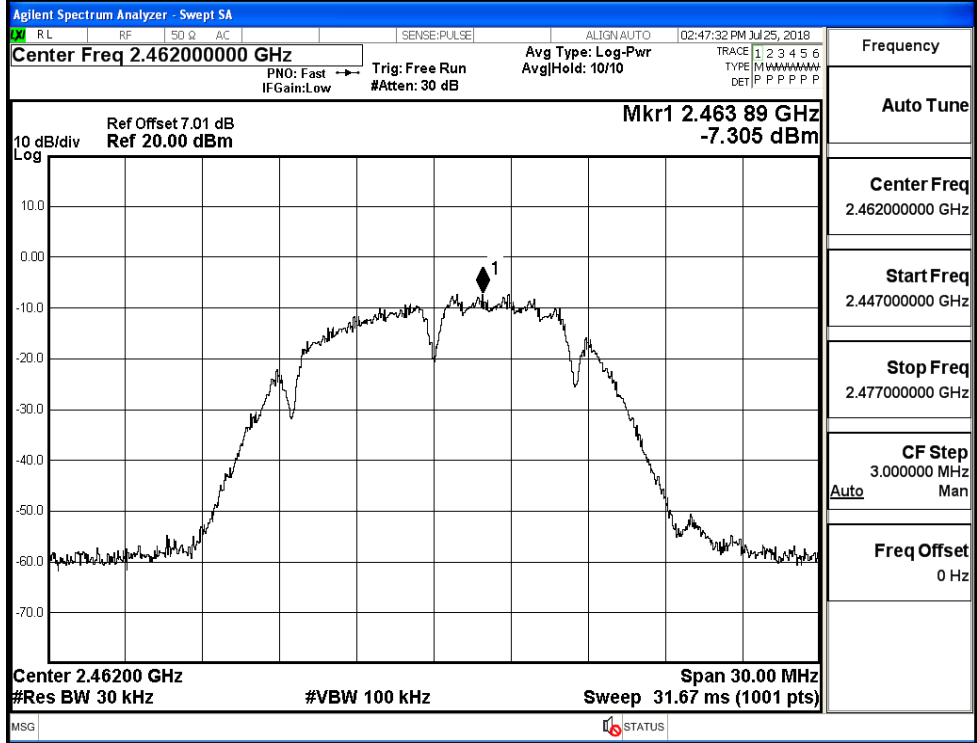
11B/LCH



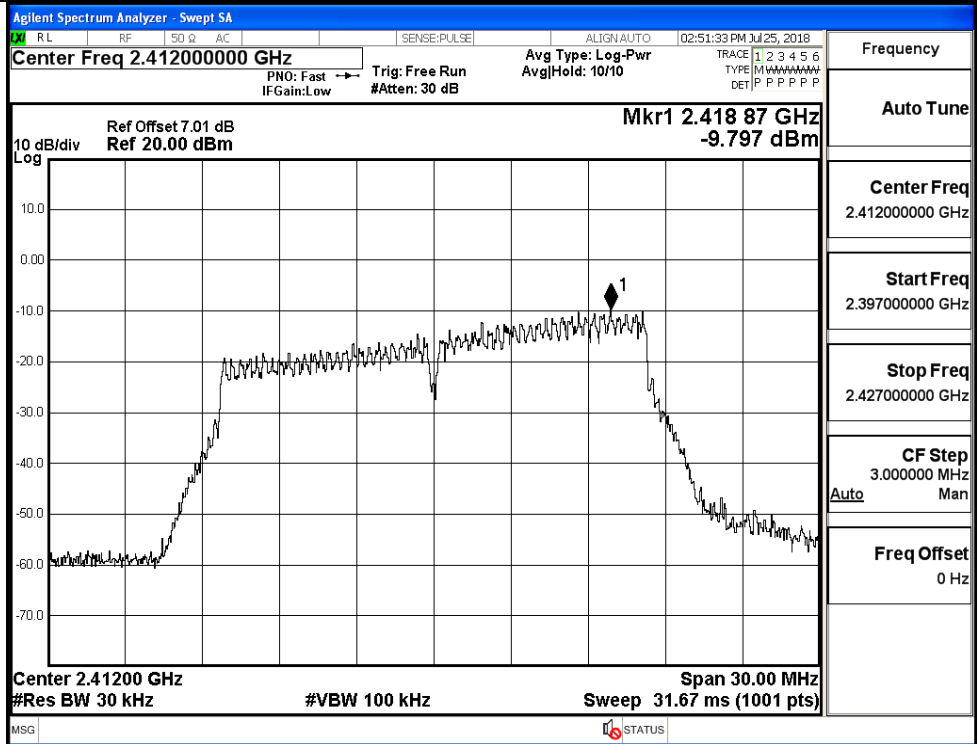
11B/MCH



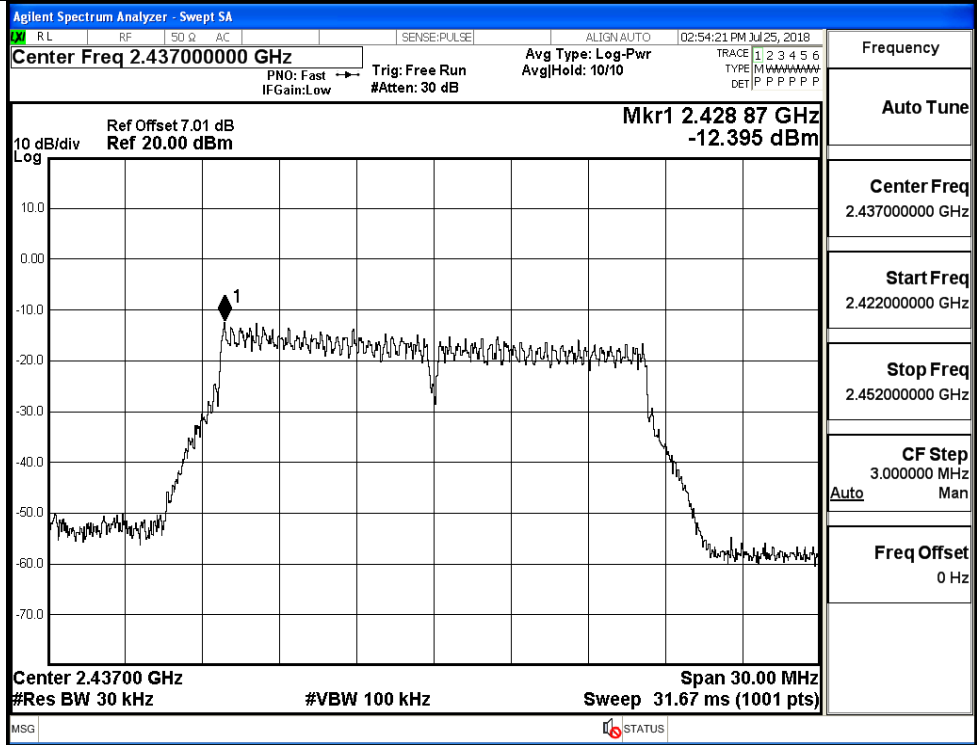
11B/HCH



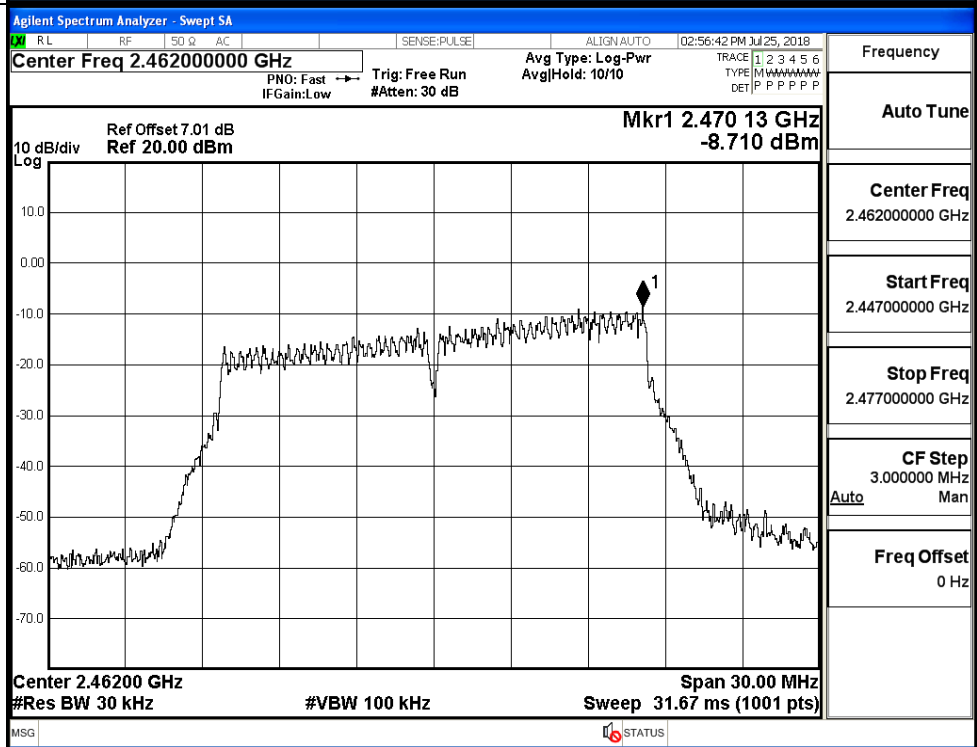
11G/LCH



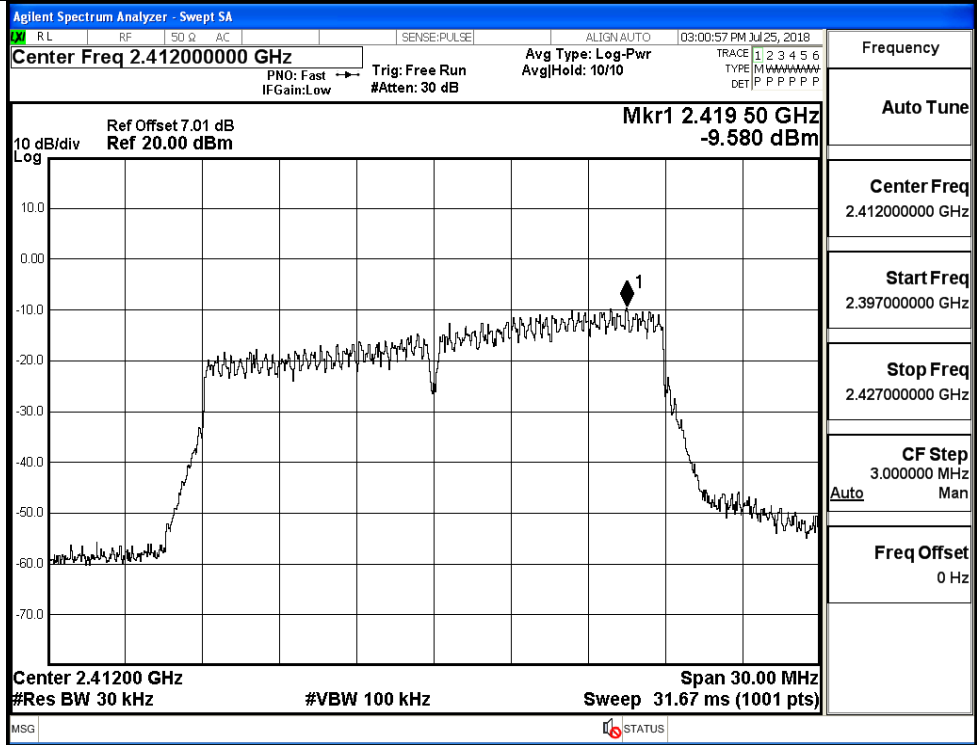
11G/MCH



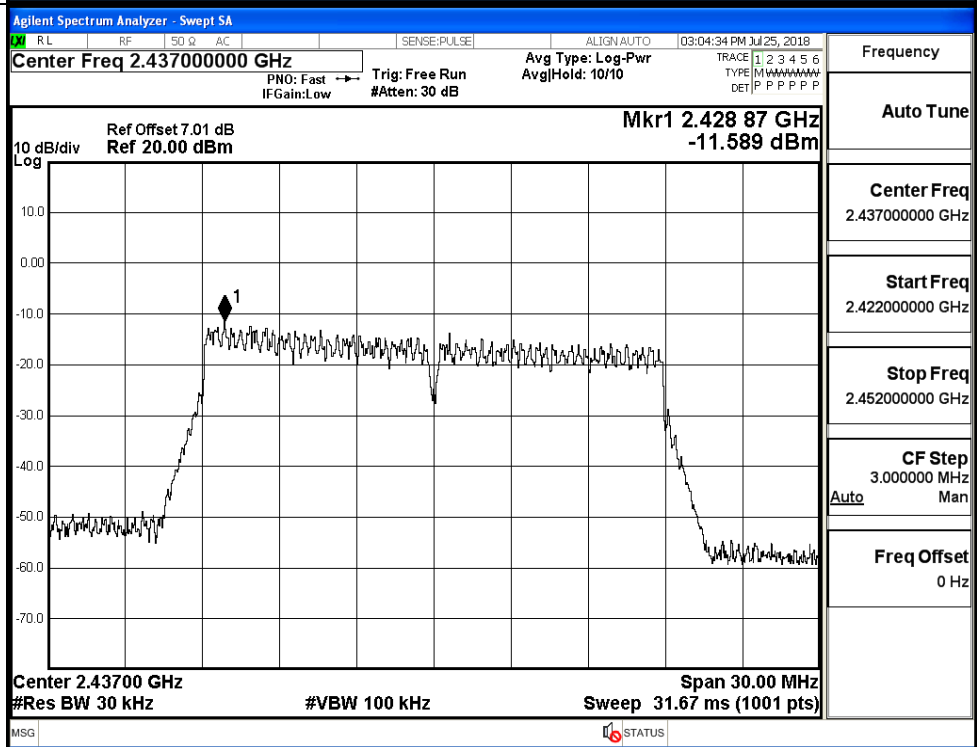
11G/HCH



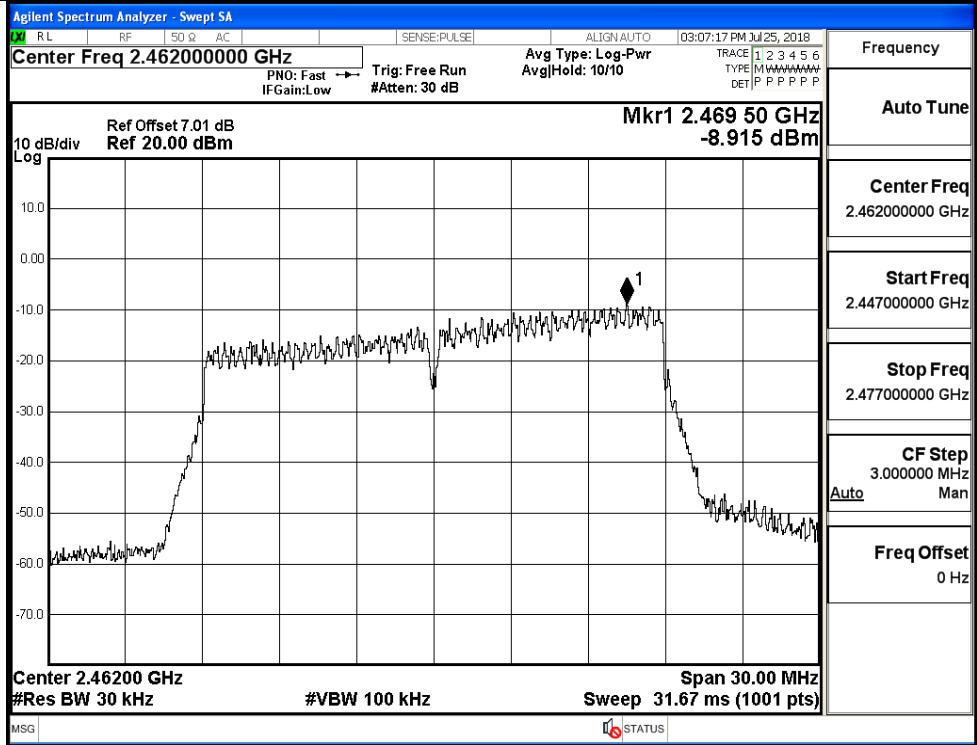
11N20/LCH



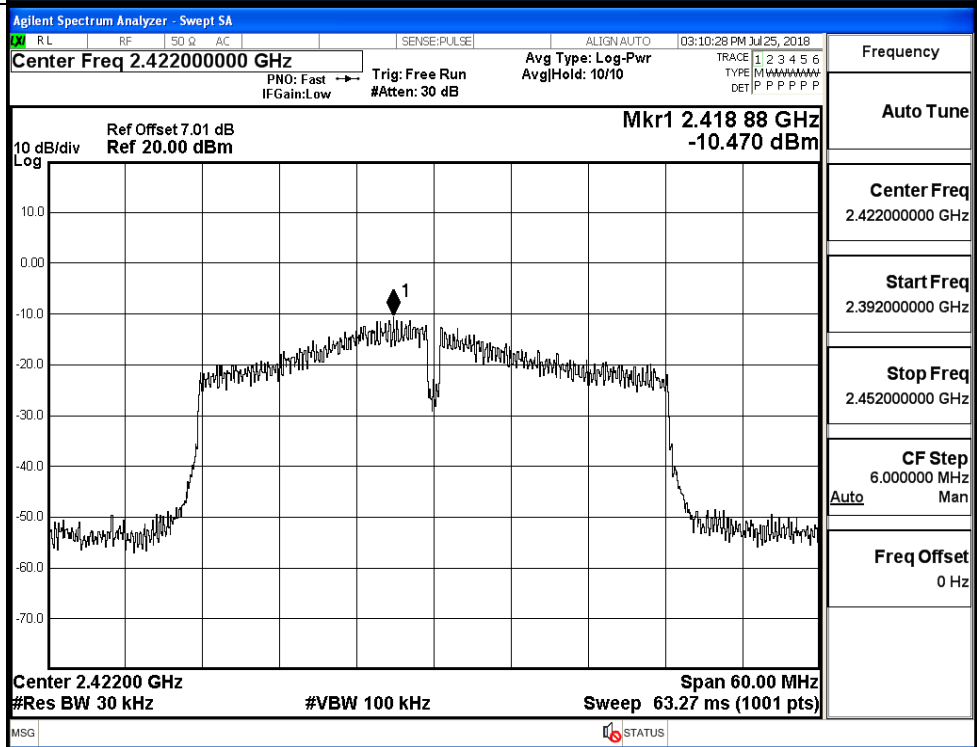
11N20/MCH



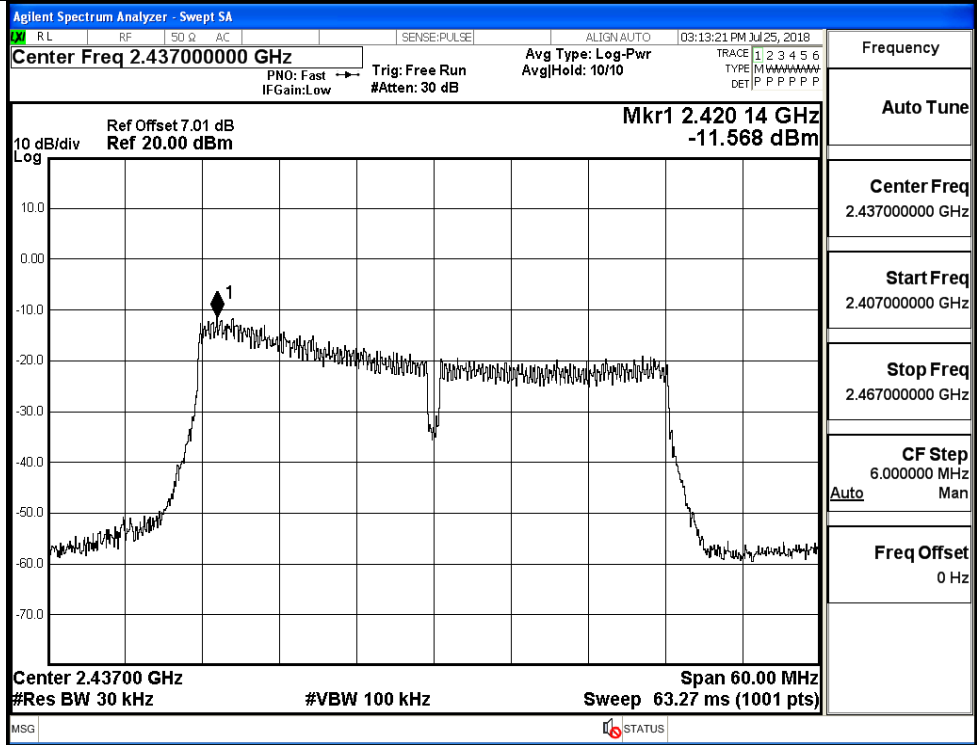
11N20/HCH



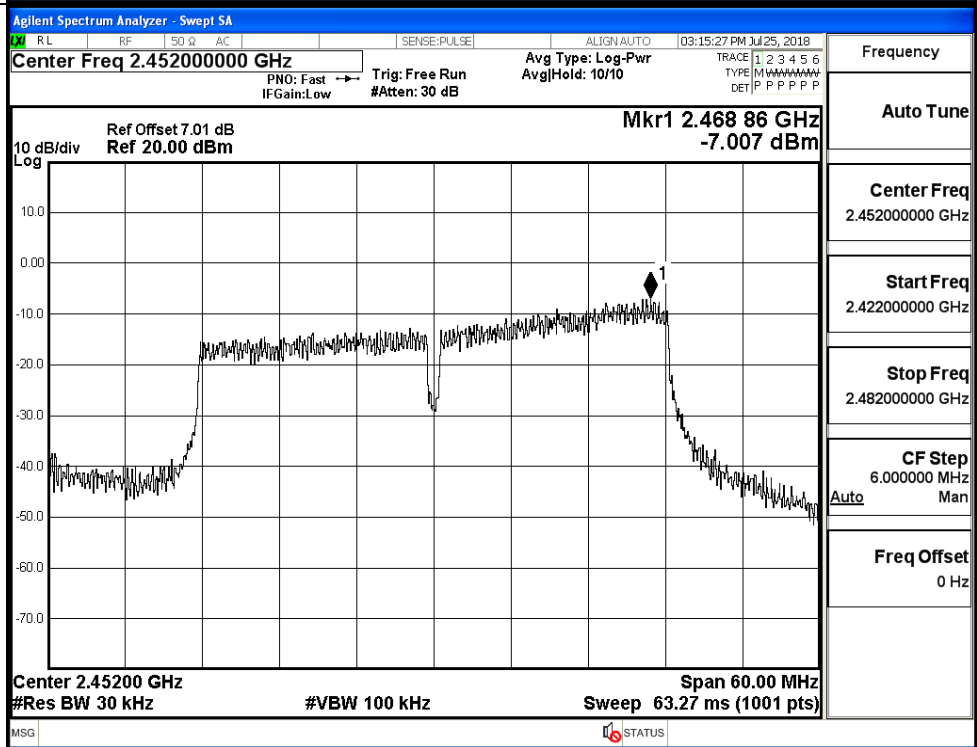
11N40/LCH



11N40/MCH



11N40/HCH



B.4 6dB Bandwidth**Antenna 0**

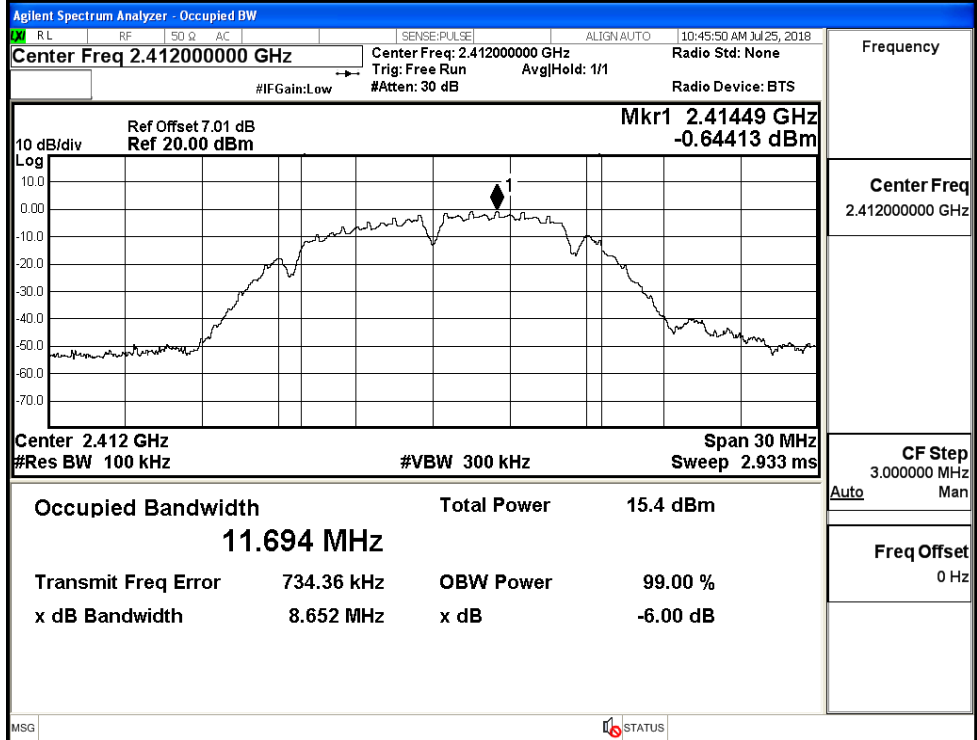
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.652	≥0.5	PASS
	MCH	9.565	≥0.5	PASS
	HCH	8.668	≥0.5	PASS
11G	LCH	16.47	≥0.5	PASS
	MCH	16.51	≥0.5	PASS
	HCH	16.57	≥0.5	PASS
11N20	LCH	17.52	≥0.5	PASS
	MCH	17.75	≥0.5	PASS
	HCH	17.58	≥0.5	PASS
11N40	LCH	36.27	≥0.5	PASS
	MCH	36.10	≥0.5	PASS
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

Antenna 1

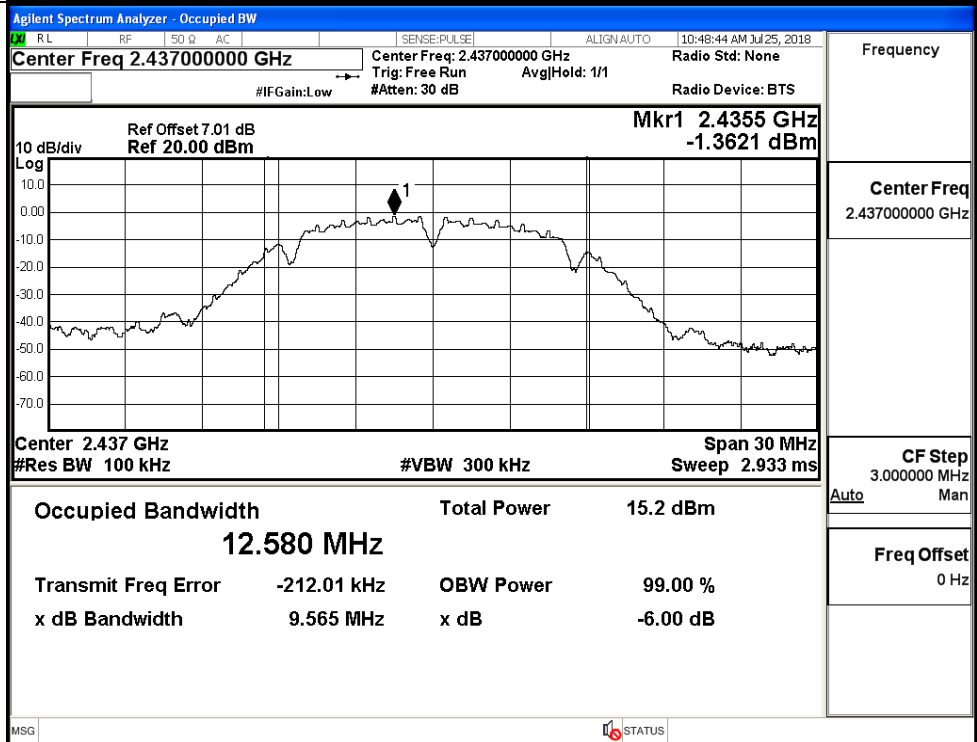
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.645	≥0.5	PASS
	MCH	9.553	≥0.5	PASS
	HCH	8.661	≥0.5	PASS
11G	LCH	16.45	≥0.5	PASS
	MCH	16.53	≥0.5	PASS
	HCH	16.55	≥0.5	PASS
11N20	LCH	17.50	≥0.5	PASS
	MCH	17.74	≥0.5	PASS
	HCH	11.57	≥0.5	PASS
11N40	LCH	35.22	≥0.5	PASS
	MCH	36.13	≥0.5	PASS
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

Test Graphs_Ant0

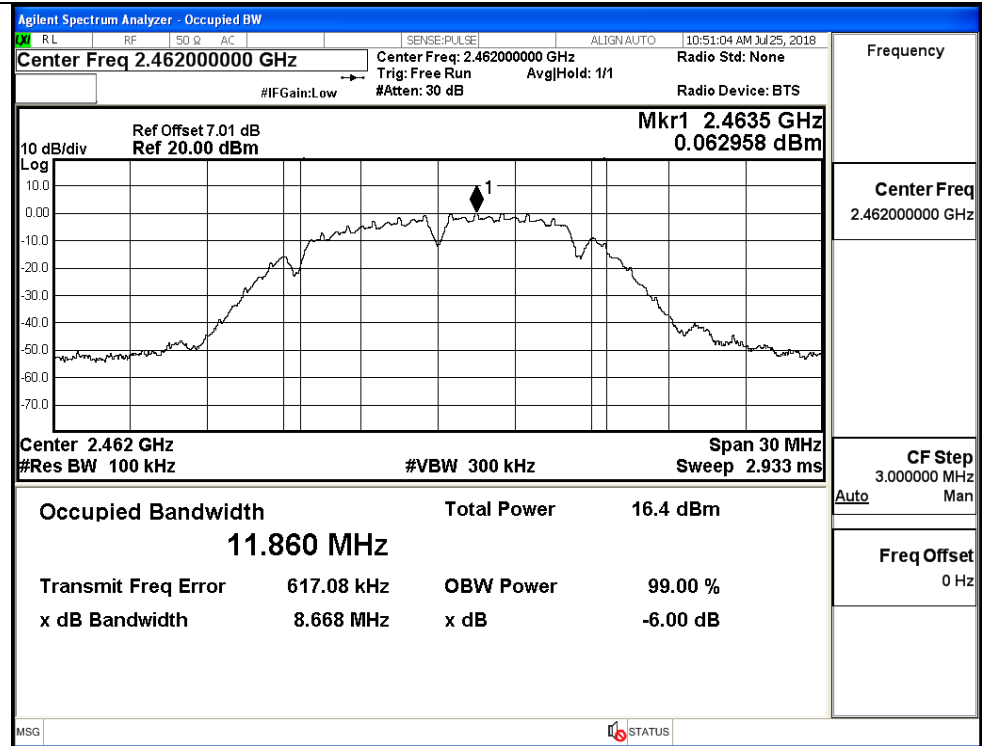
11B/LCH



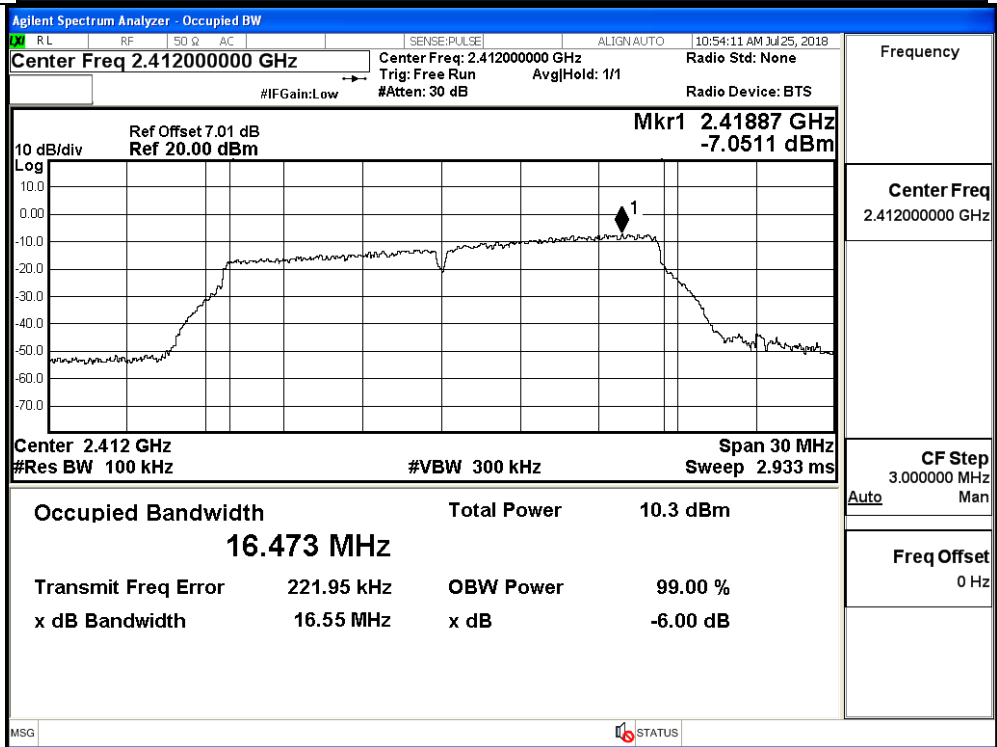
11B/MCH



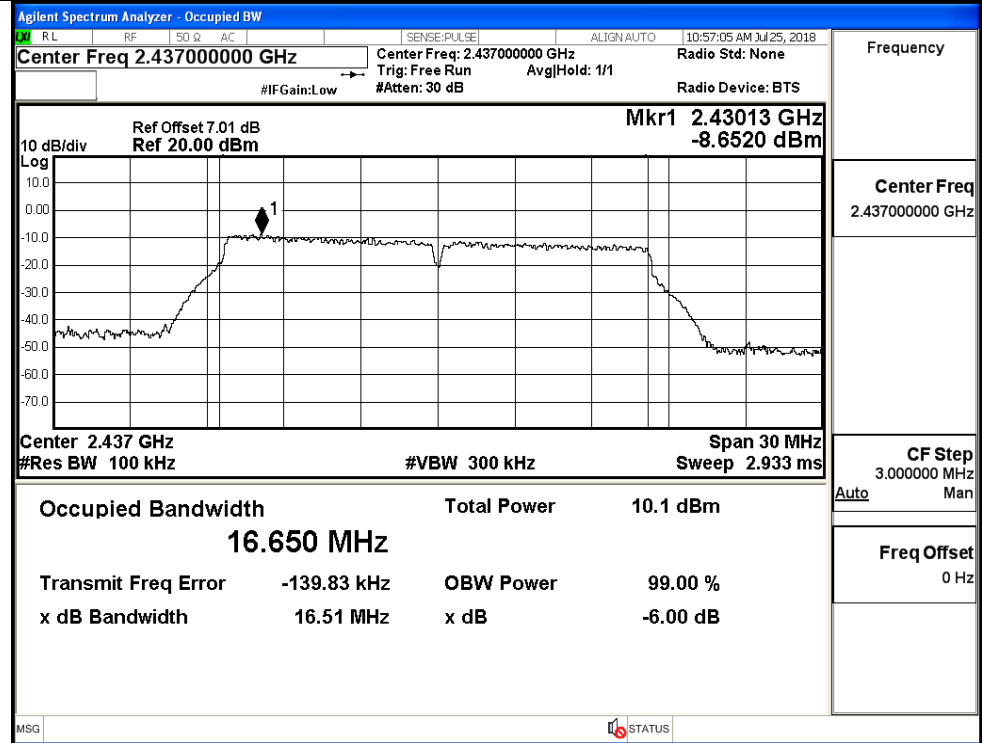
11B/HCH



11G/LCH



11G/MCH



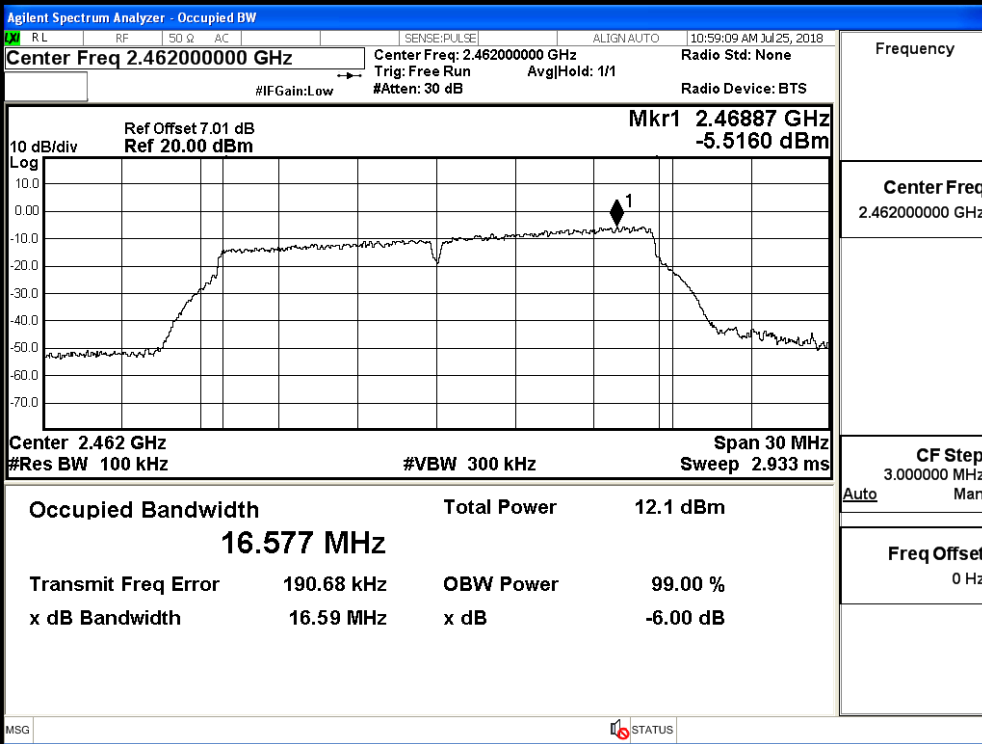
Frequency

Center Freq
2.437000000 GHz

CF Step
3.000000 MHz

Freq Offset
0 Hz

11G/HCH



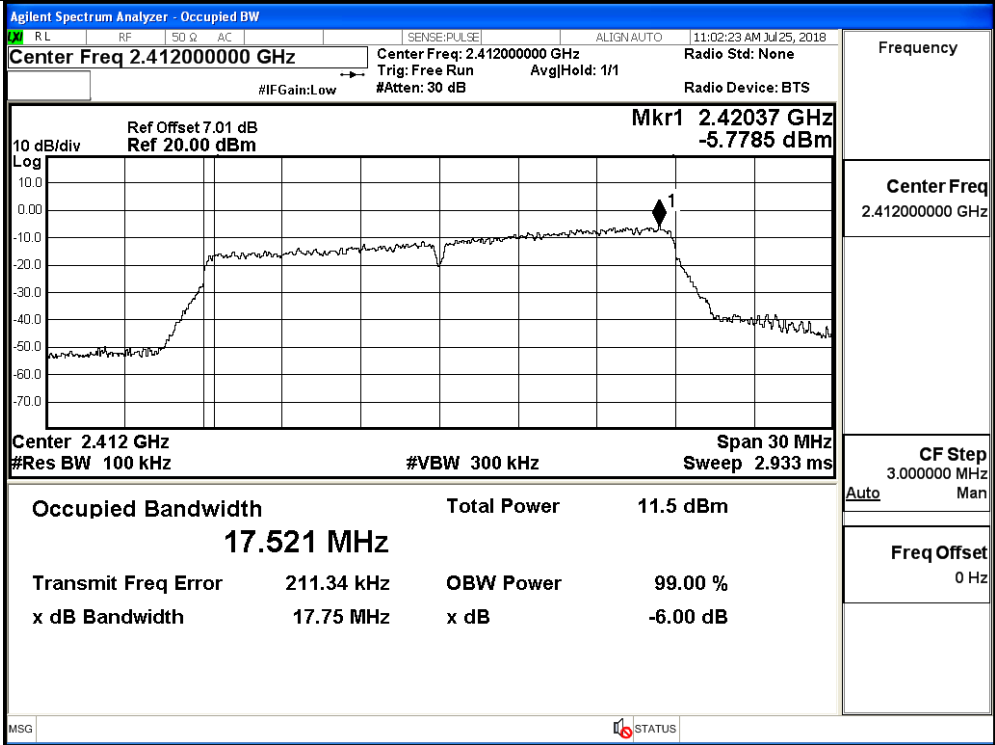
Frequency

Center Freq
2.462000000 GHz

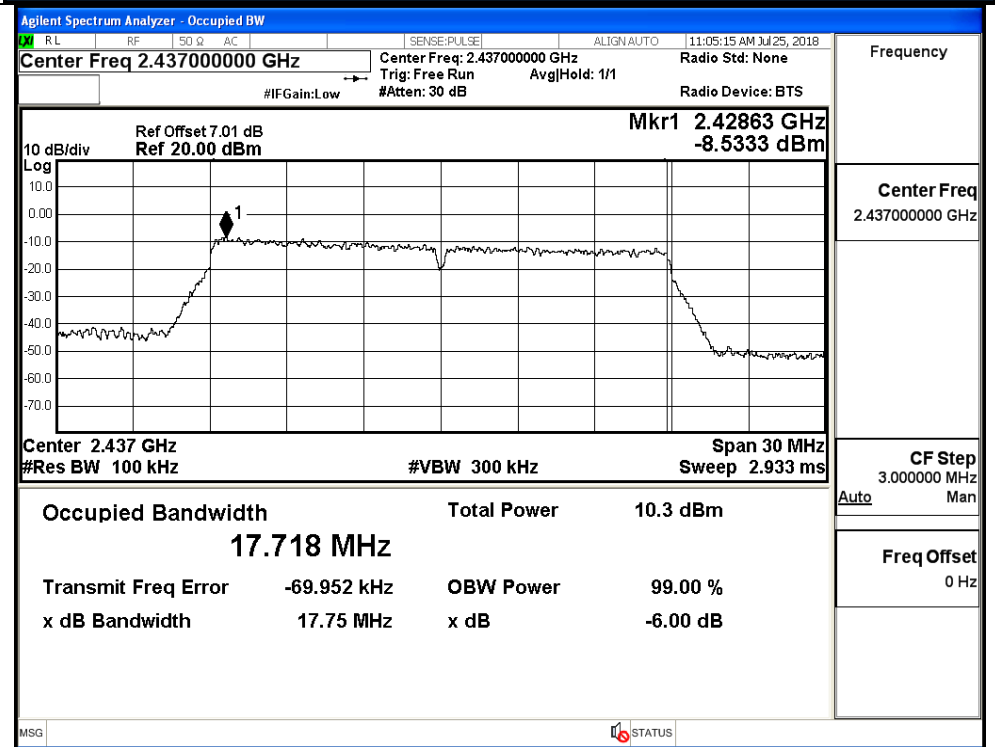
CF Step
3.000000 MHz

Freq Offset
0 Hz

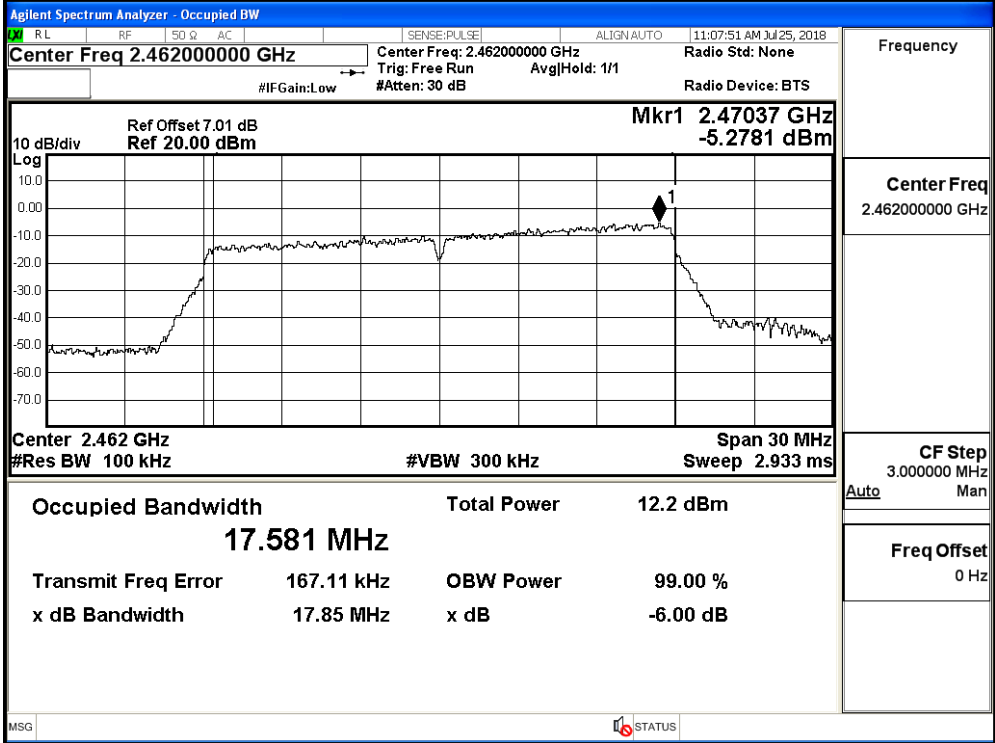
11N20/LCH



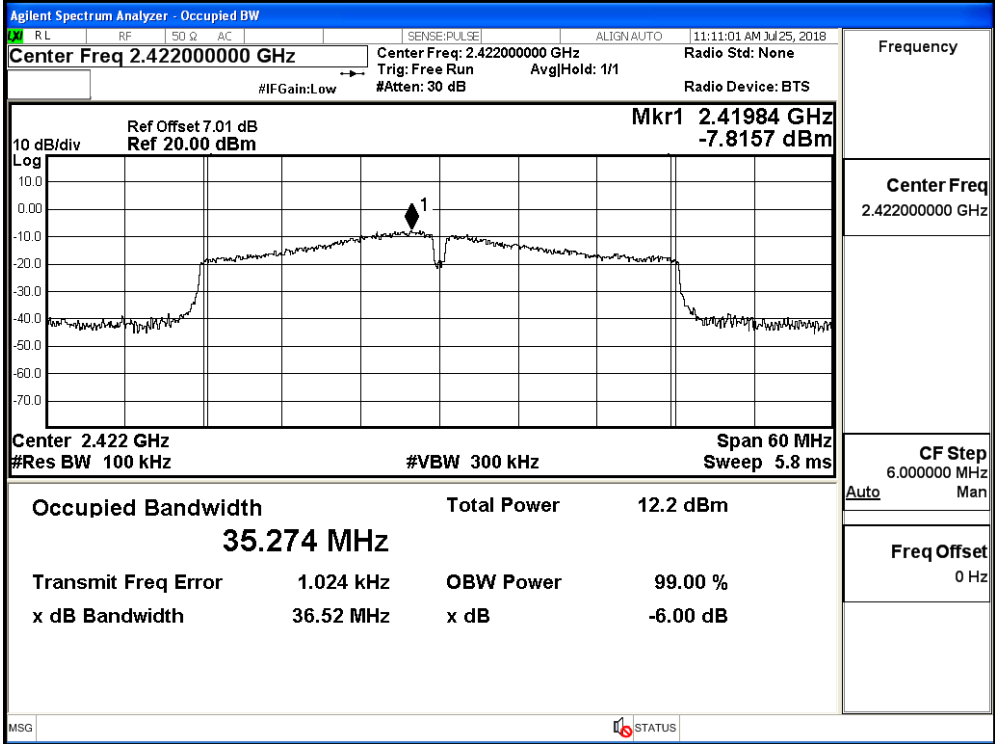
11N20/MCH



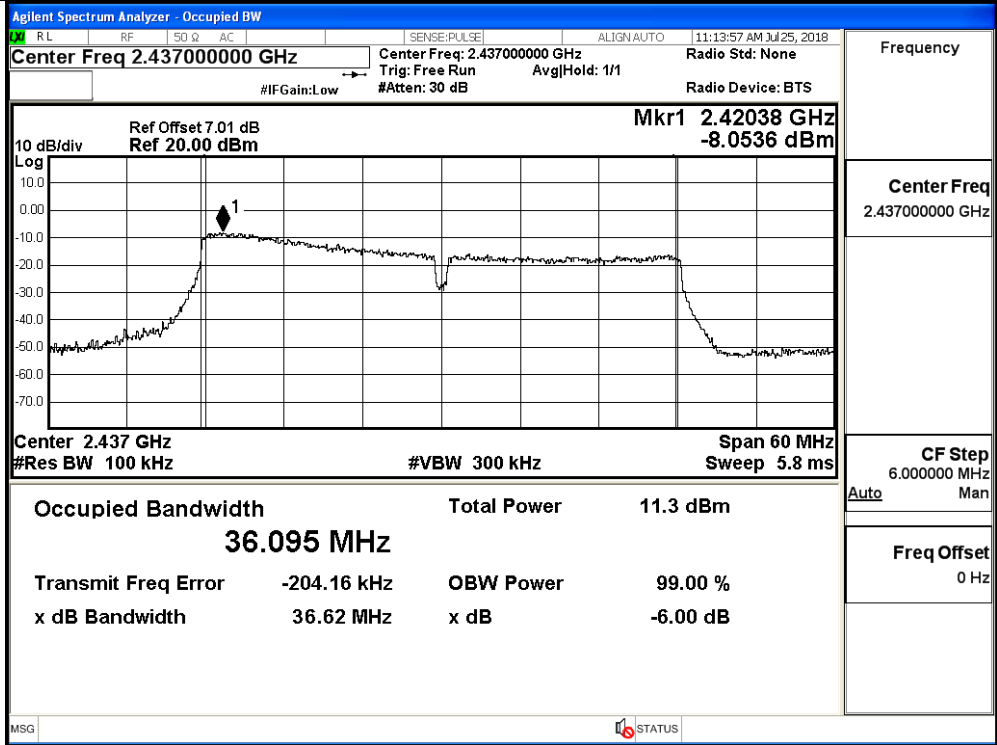
11N20/HCH



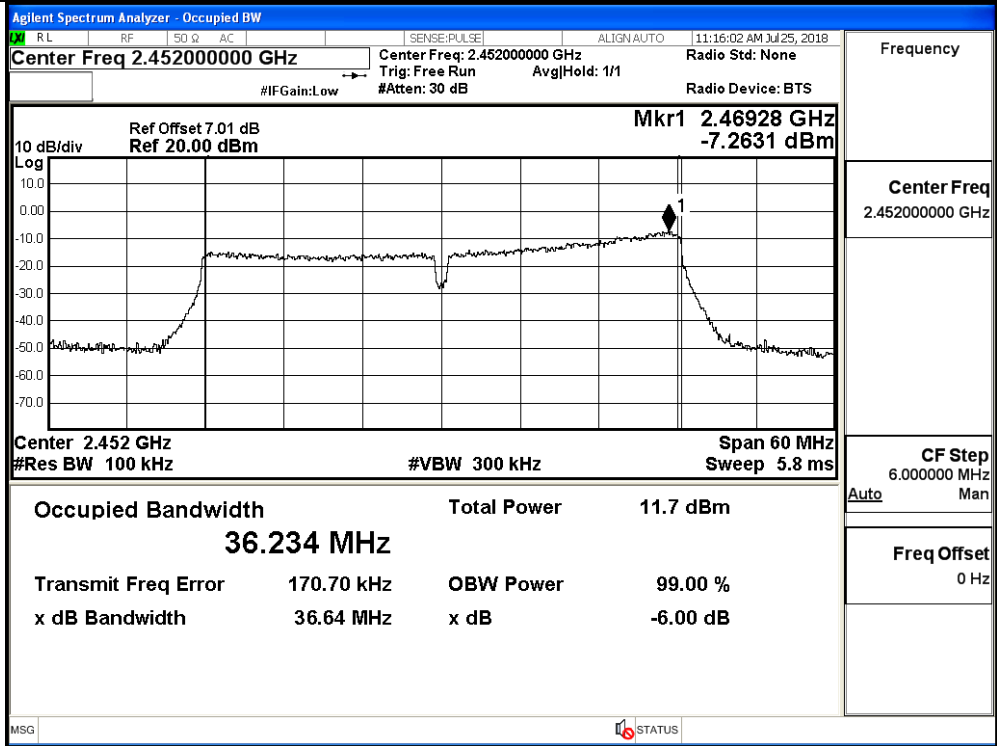
11N40/LCH



11N40/MCH

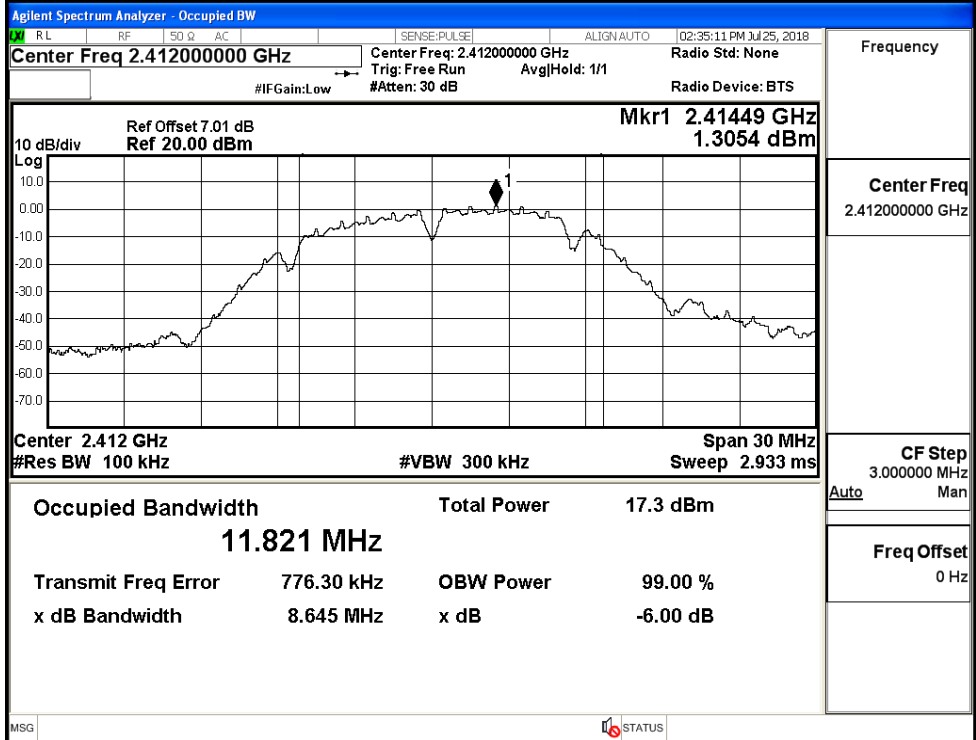


11N40/HCH

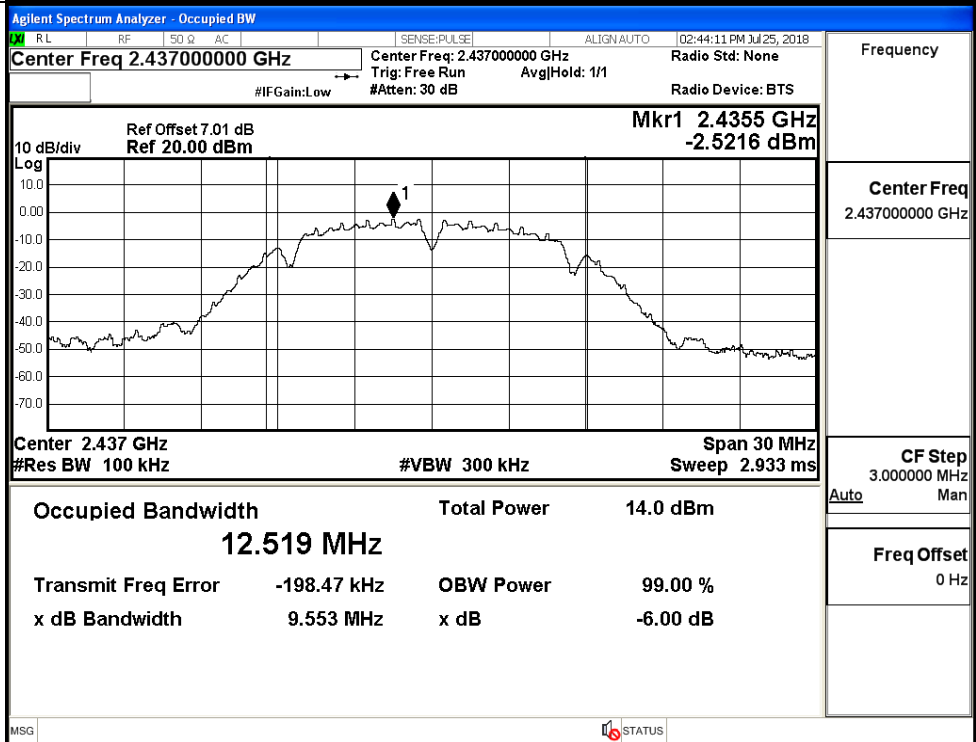


Test Graphs_Ant1

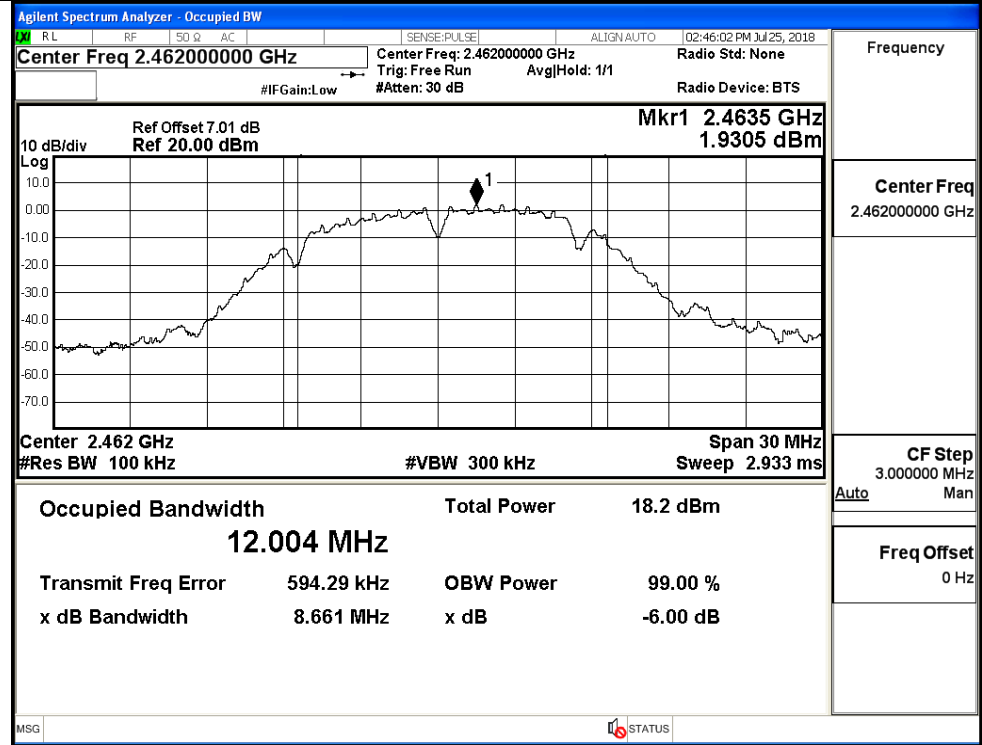
11B/LCH



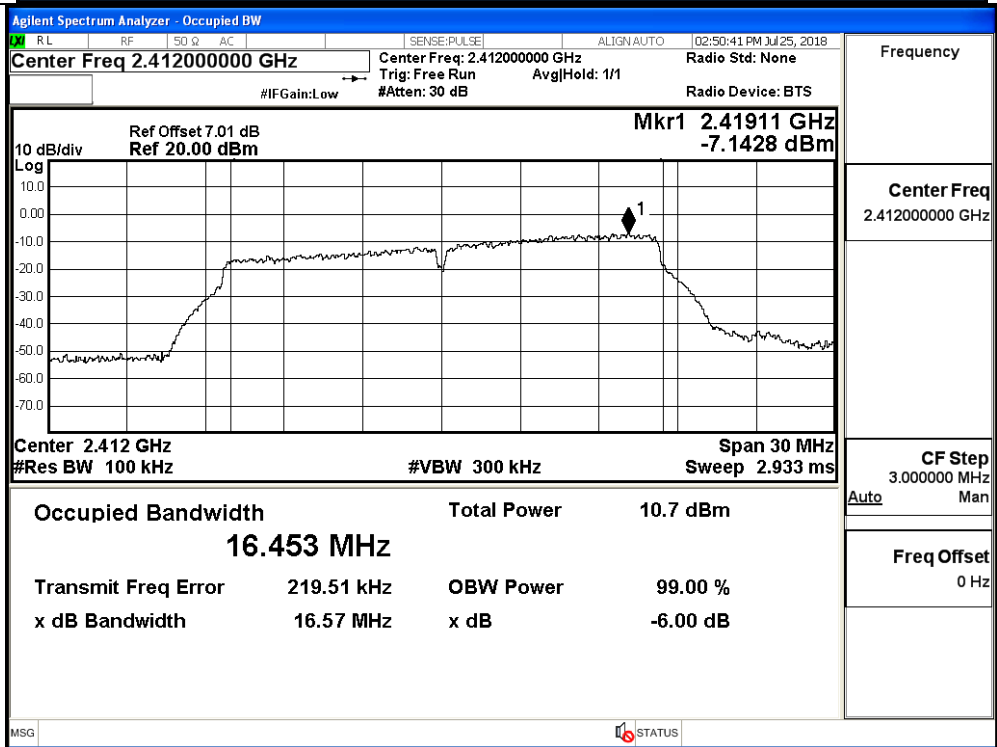
11B/MCH



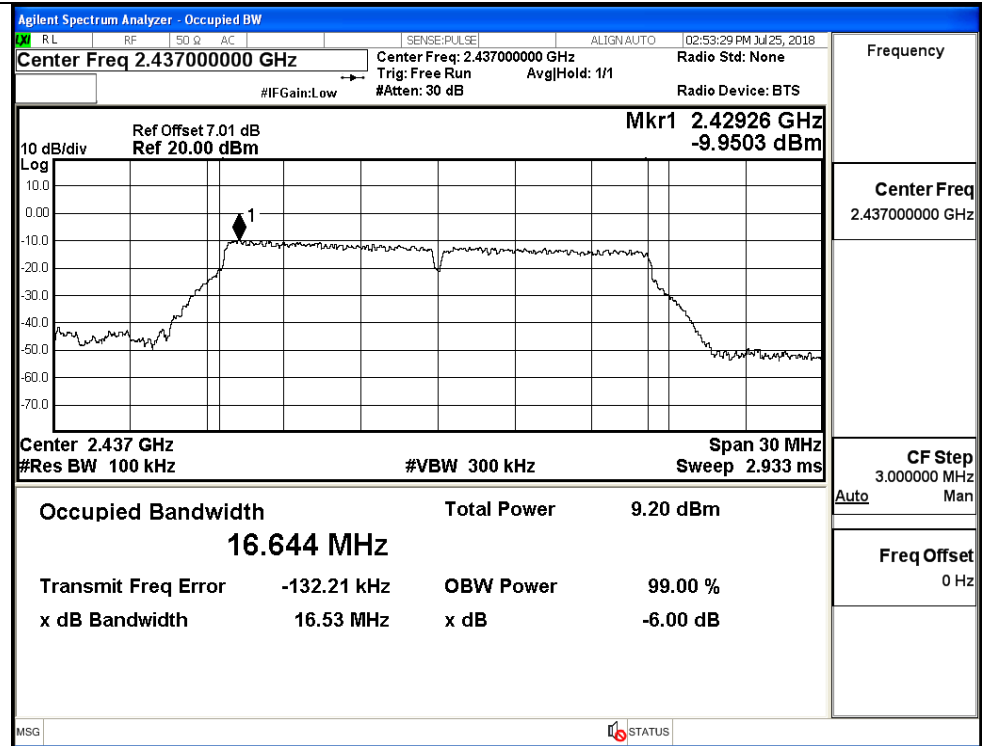
11B/HCH



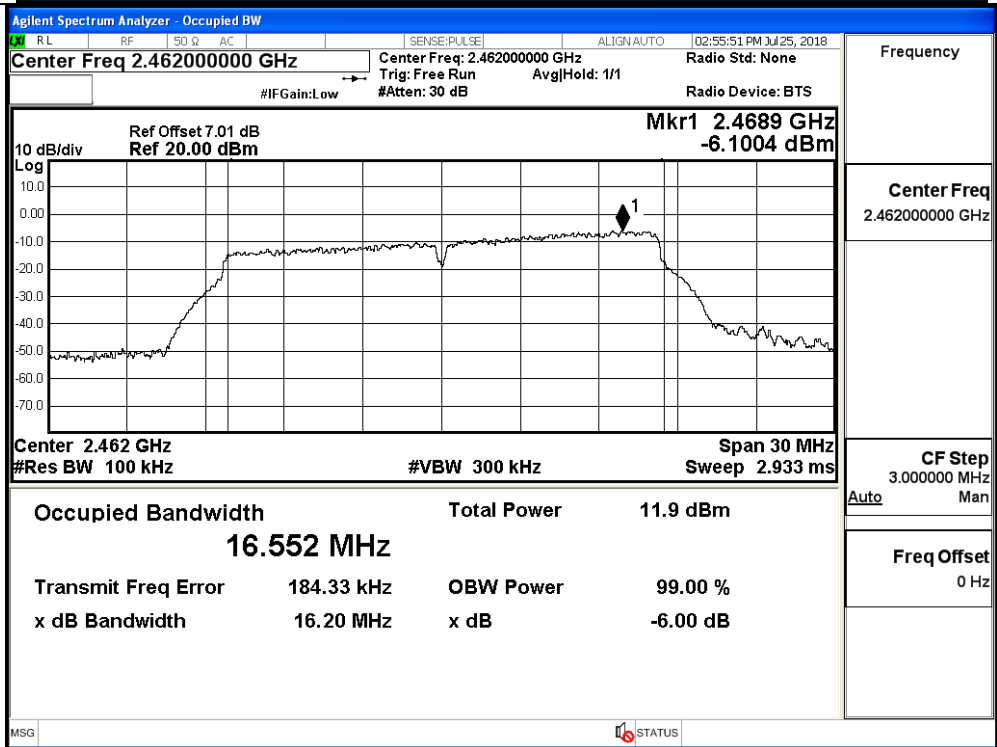
11G/LCH



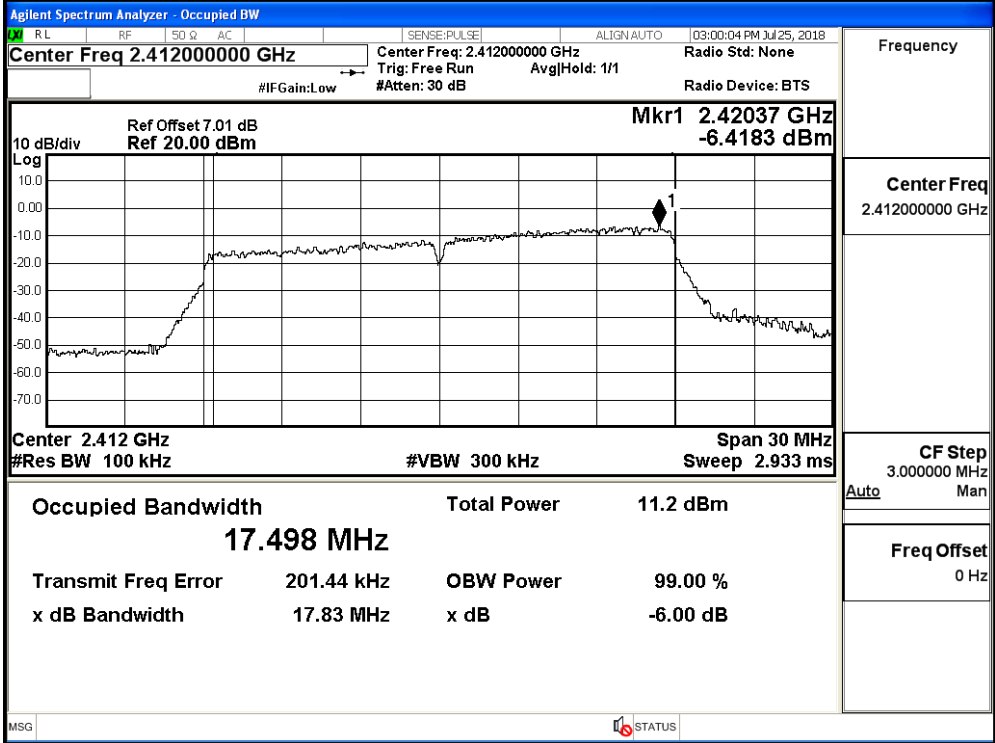
11G/MCH



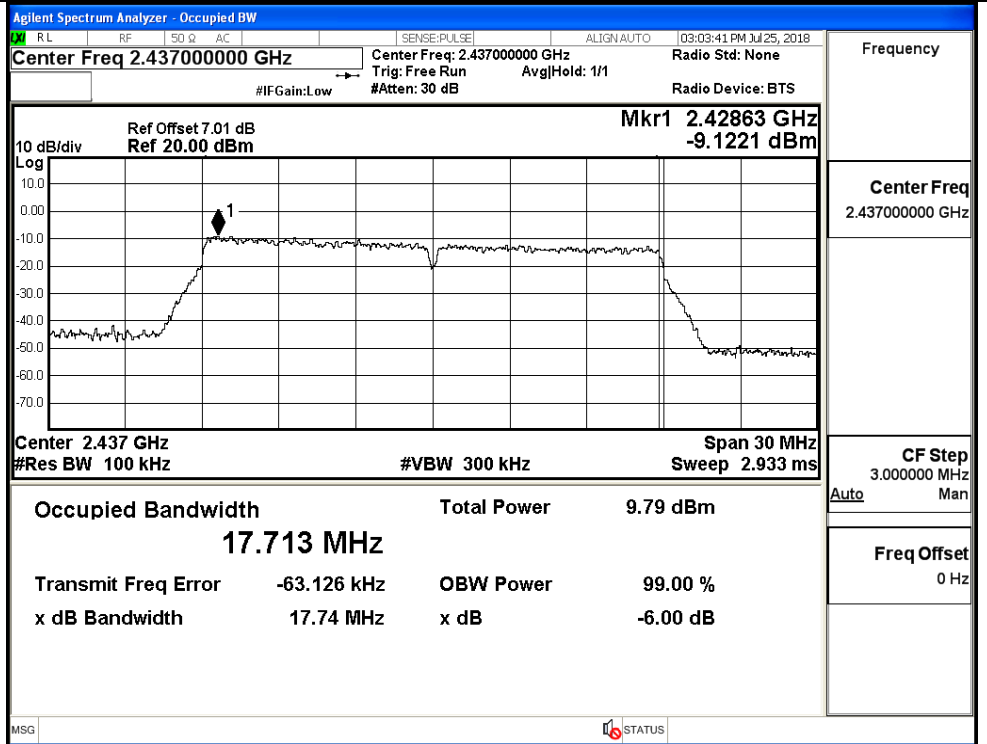
11G/HCH



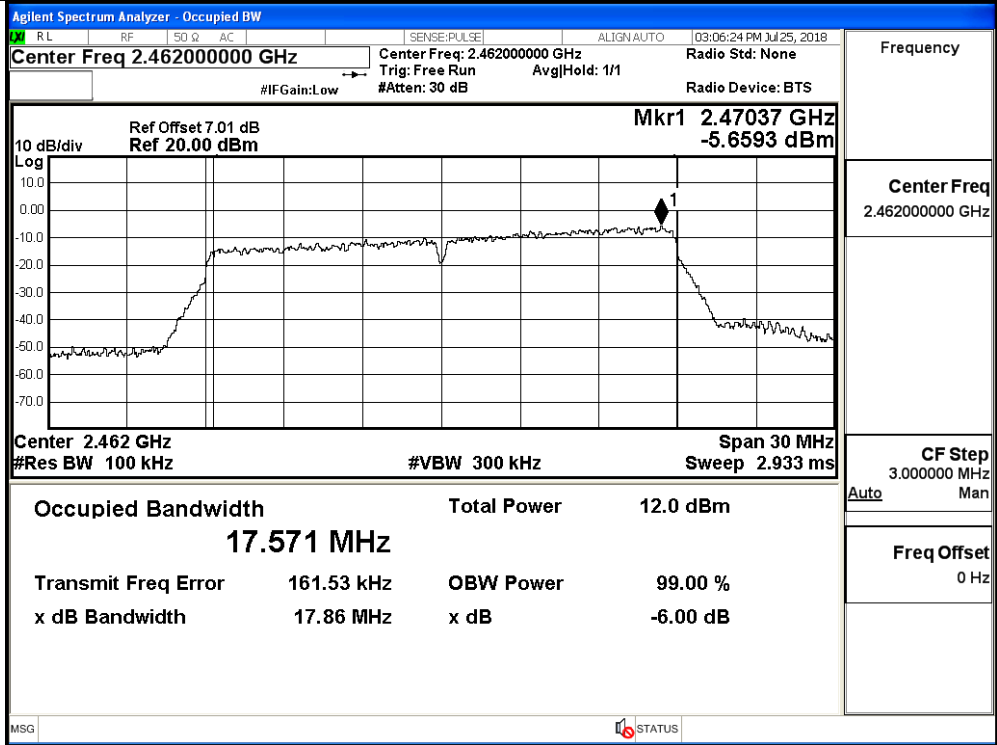
11N20/LCH



11N20/MCH

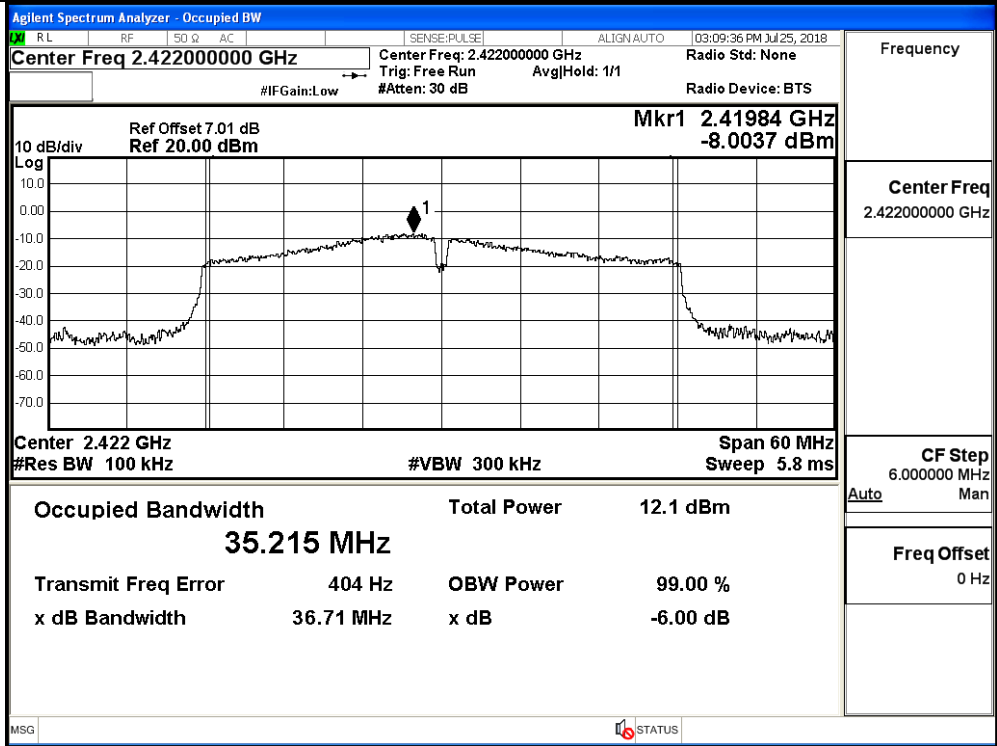


11N20/HCH



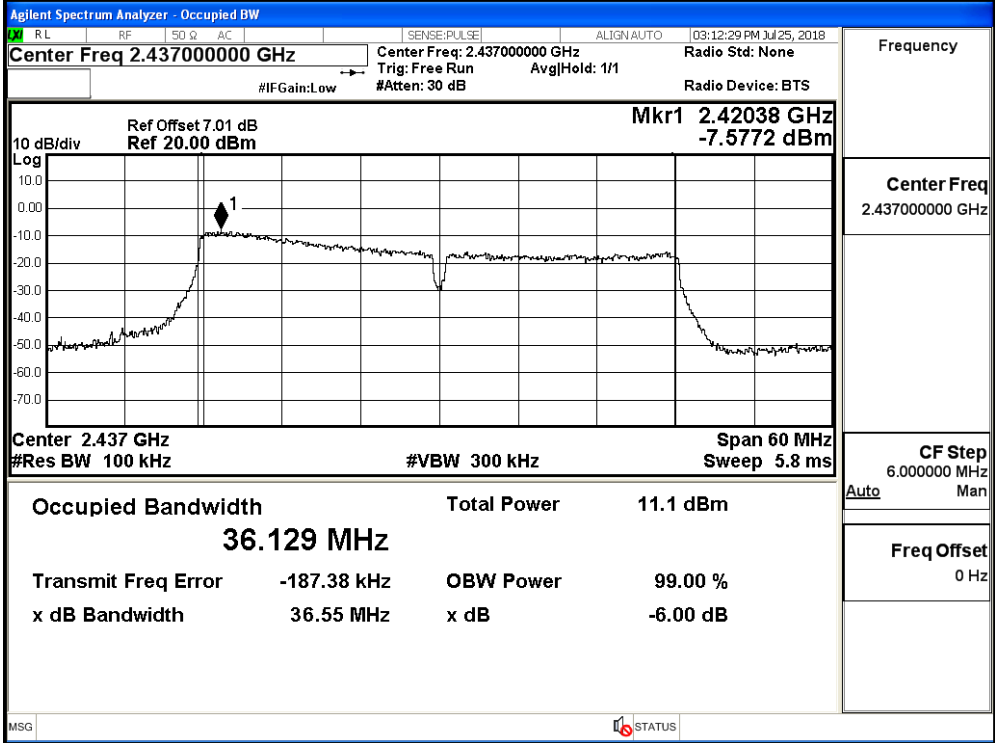
Frequency	2.462000000 GHz
Center Freq	2.462000000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40/LCH



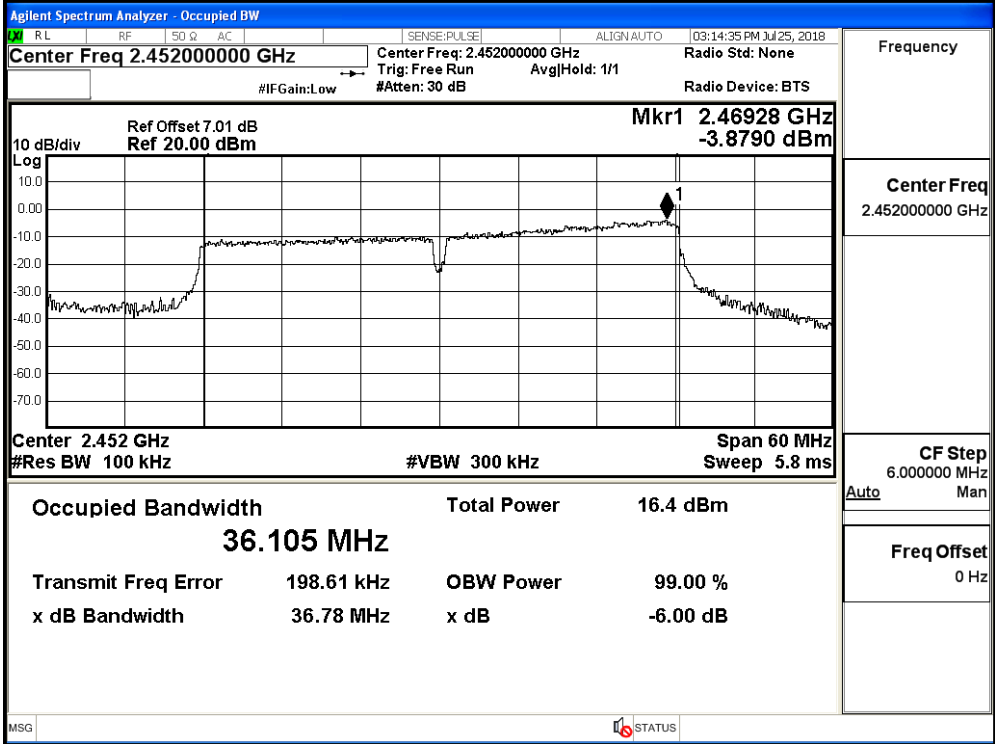
Frequency	2.422000000 GHz
Center Freq	2.422000000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40/MCH



Frequency	2.437000000 GHz
Center Freq	2.437000000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40/HCH



Frequency	2.452000000 GHz
Center Freq	2.452000000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

B.5 RF Conducted Spurious Emissions

Antenna 0

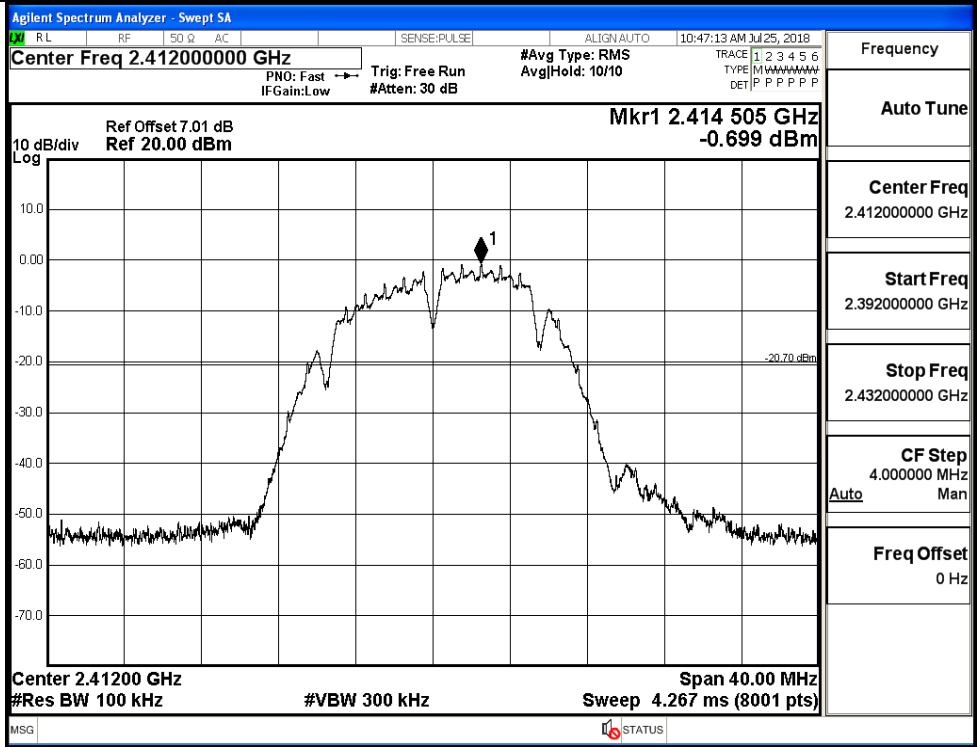
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.652	≥0.5	PASS
	MCH	9.565	≥0.5	PASS
	HCH	8.668	≥0.5	PASS
11G	LCH	16.55	≥0.5	PASS
	MCH	16.51	≥0.5	PASS
	HCH	16.59	≥0.5	PASS
11N20	LCH	17.75	≥0.5	PASS
	MCH	17.75	≥0.5	PASS
	HCH	17.85	≥0.5	PASS
11N40	LCH	36.52	≥0.5	PASS
	MCH	36.62	≥0.5	PASS
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

Antenna 1

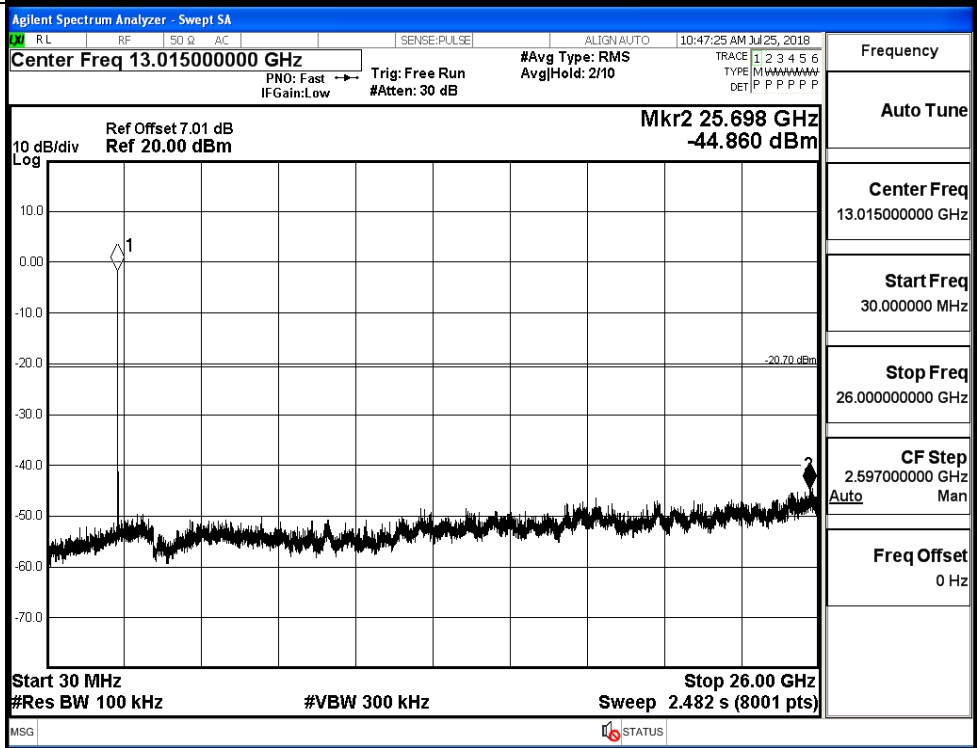
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.645	≥0.5	PASS
	MCH	9.553	≥0.5	PASS
	HCH	8.661	≥0.5	PASS
11G	LCH	16.57	≥0.5	PASS
	MCH	16.53	≥0.5	PASS
	HCH	16.20	≥0.5	PASS
11N20	LCH	17.83	≥0.5	PASS
	MCH	17.74	≥0.5	PASS
	HCH	17.86	≥0.5	PASS
11N40	LCH	36.71	≥0.5	PASS
	MCH	36.55	≥0.5	PASS
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

11B_LCH_Graphs_Ant0

Pref/11B/LCH

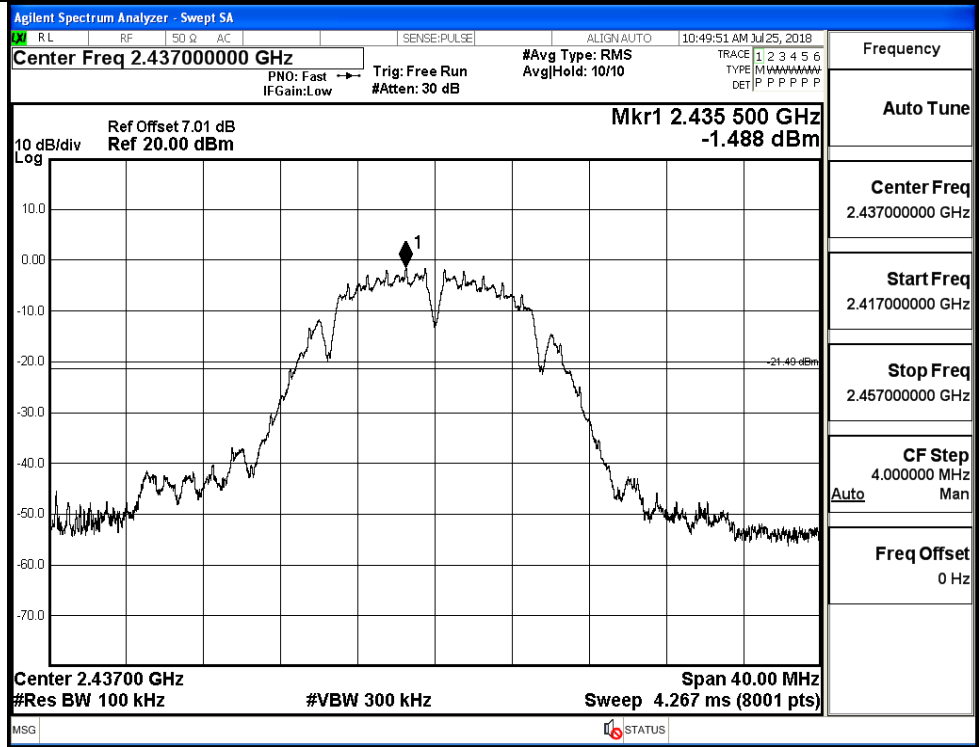


Puw/11B/LCH

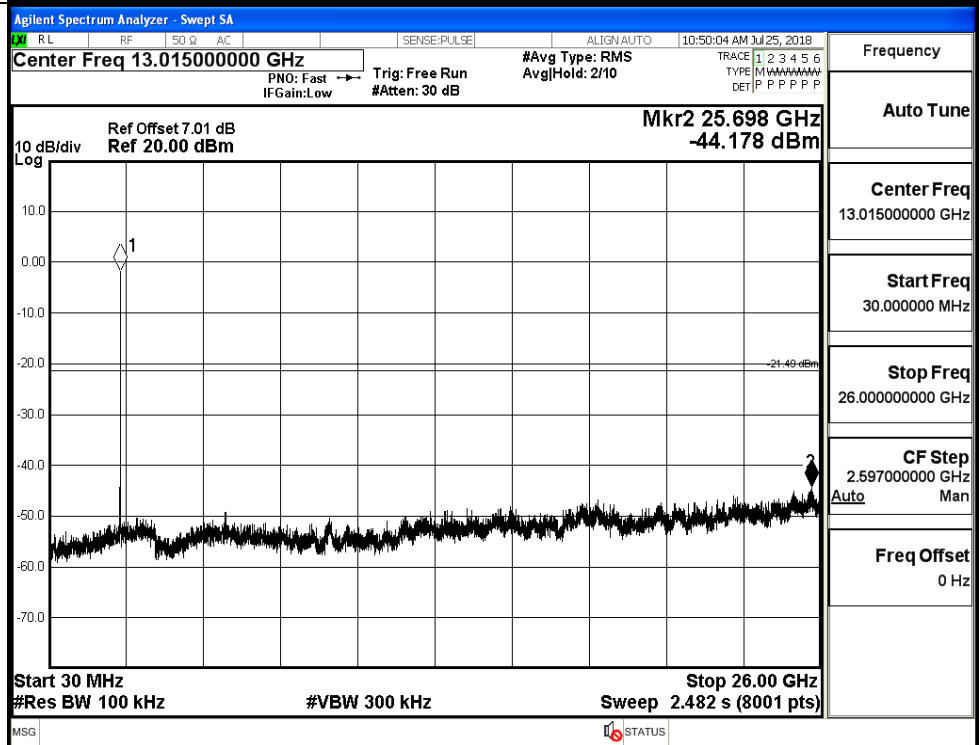


11B_MCH_Graphs_Ant0

Pref/11B/MCH

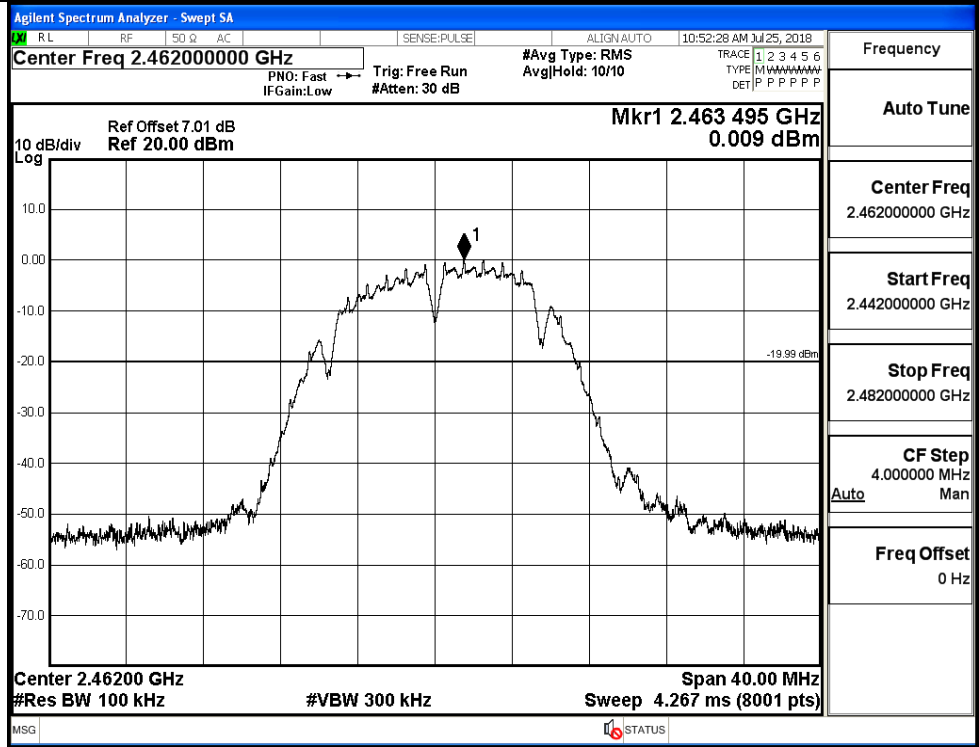


Puw/11B/MCH

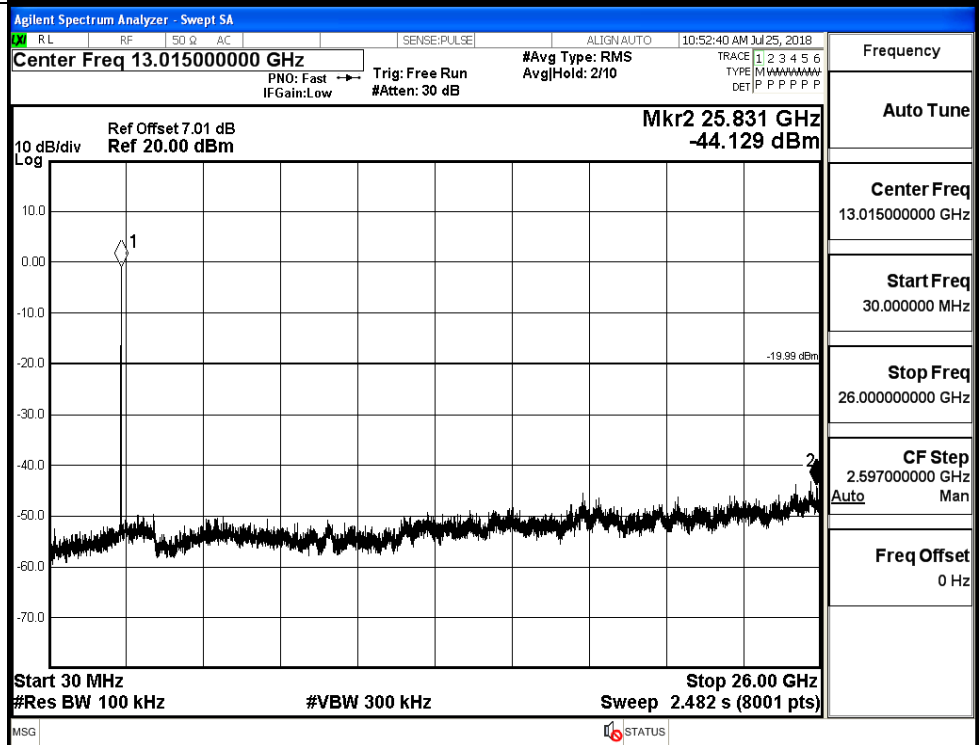


11B_HCH_Graphs_Ant0

Pref/11B/HCH

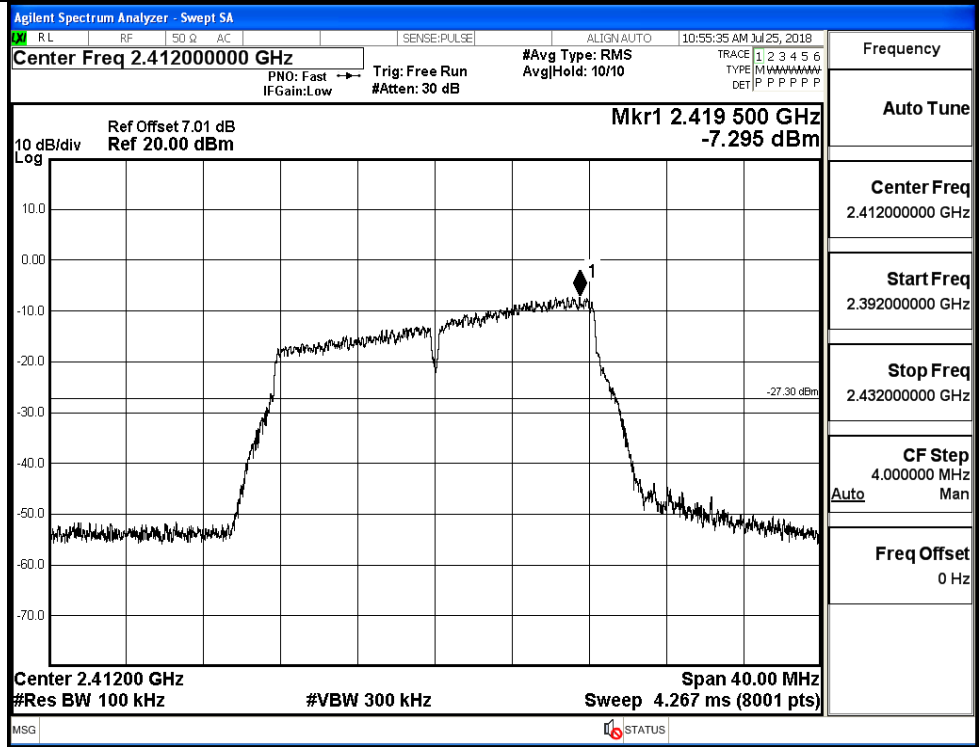


Puw/11B/HCH

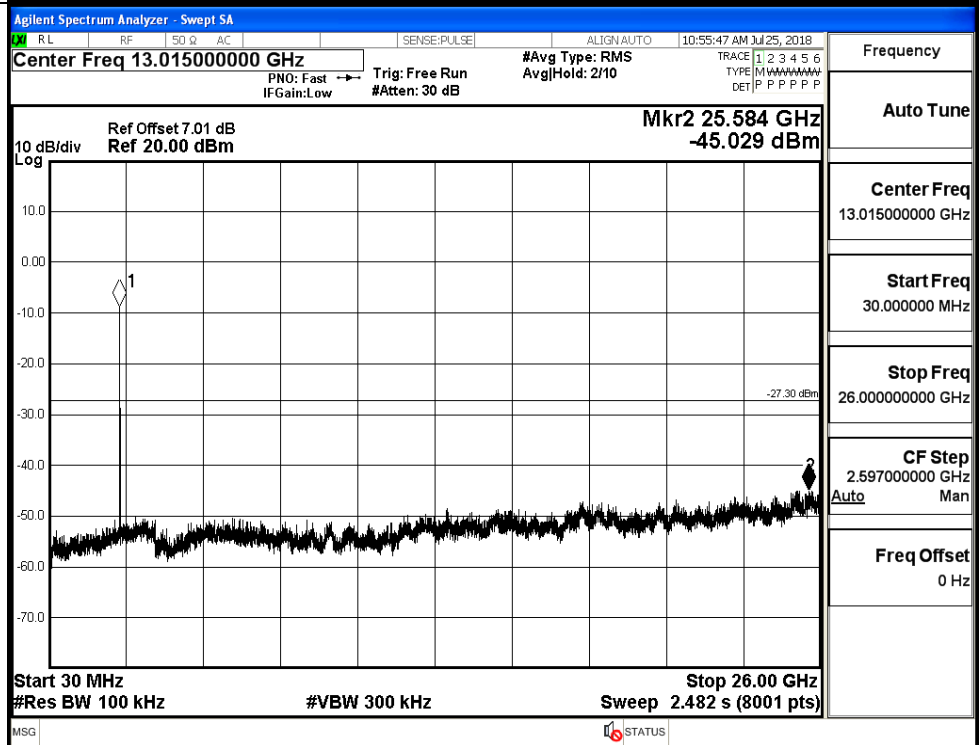


11G_LCH_Graphs_Ant0

Pref/11G/LCH

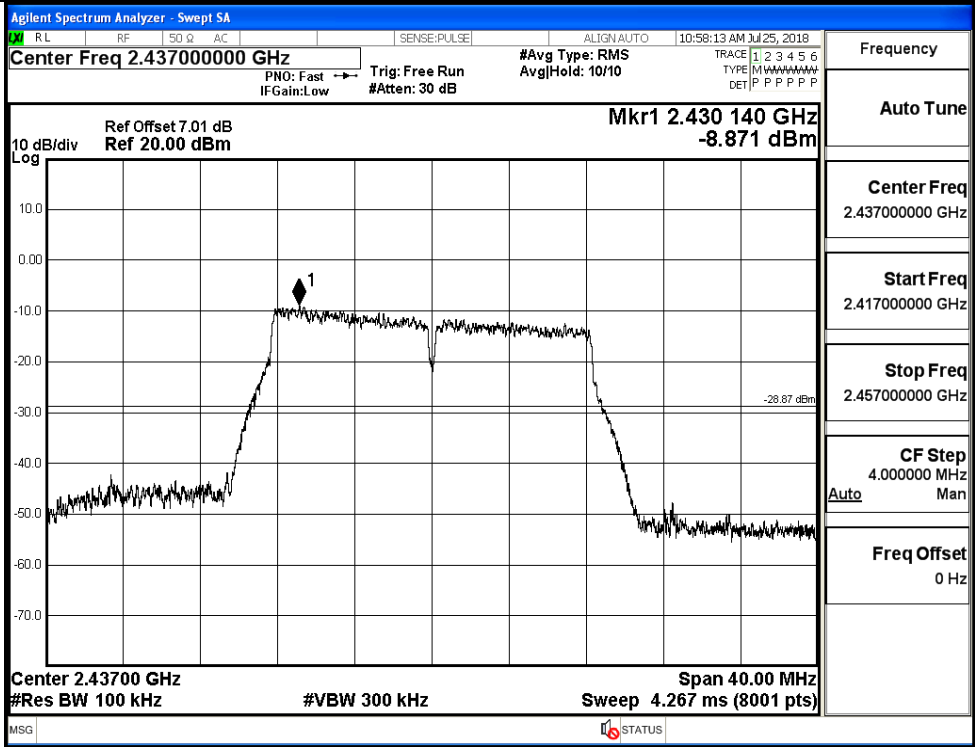


Puw/11G/LCH

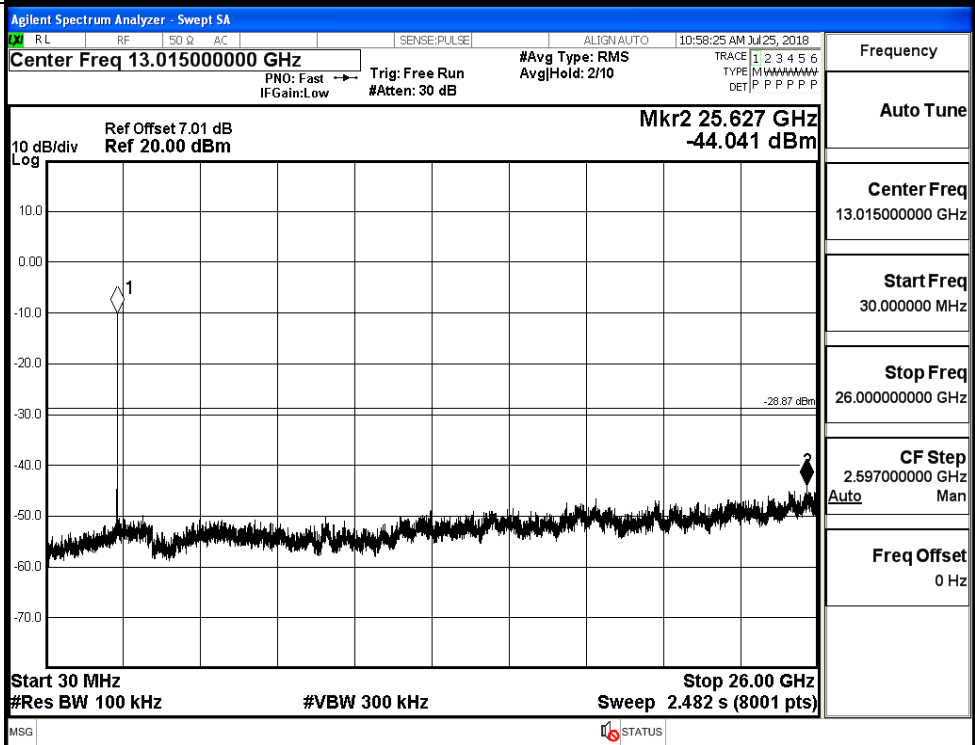


11G_MCH_Graphs_Ant0

Pref/11G/MCH

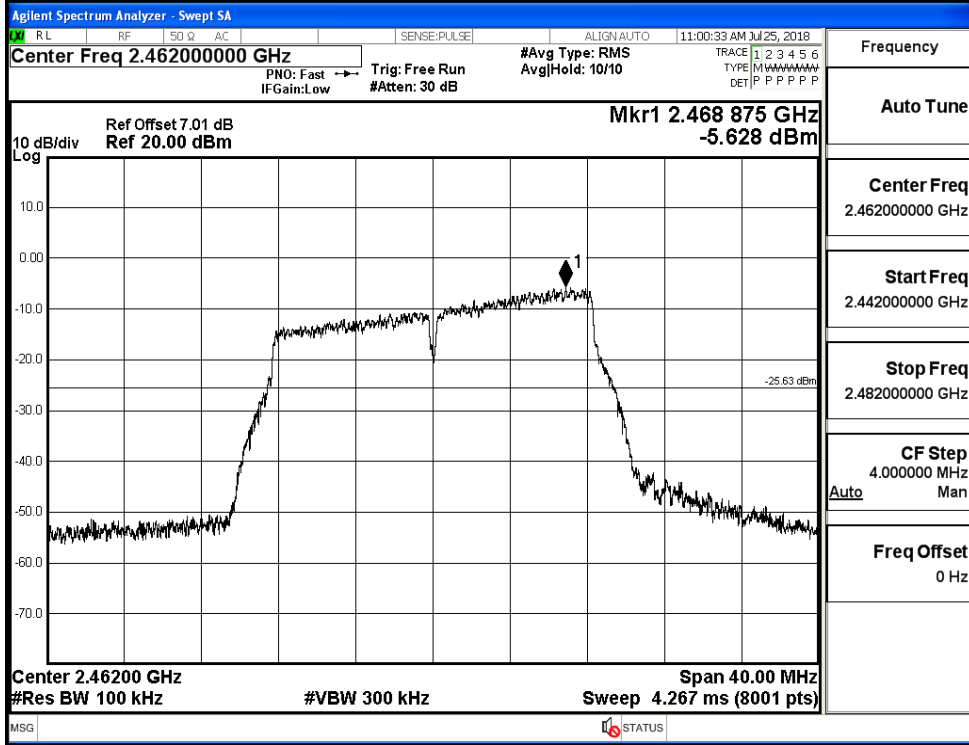


Puw/11G/MCH

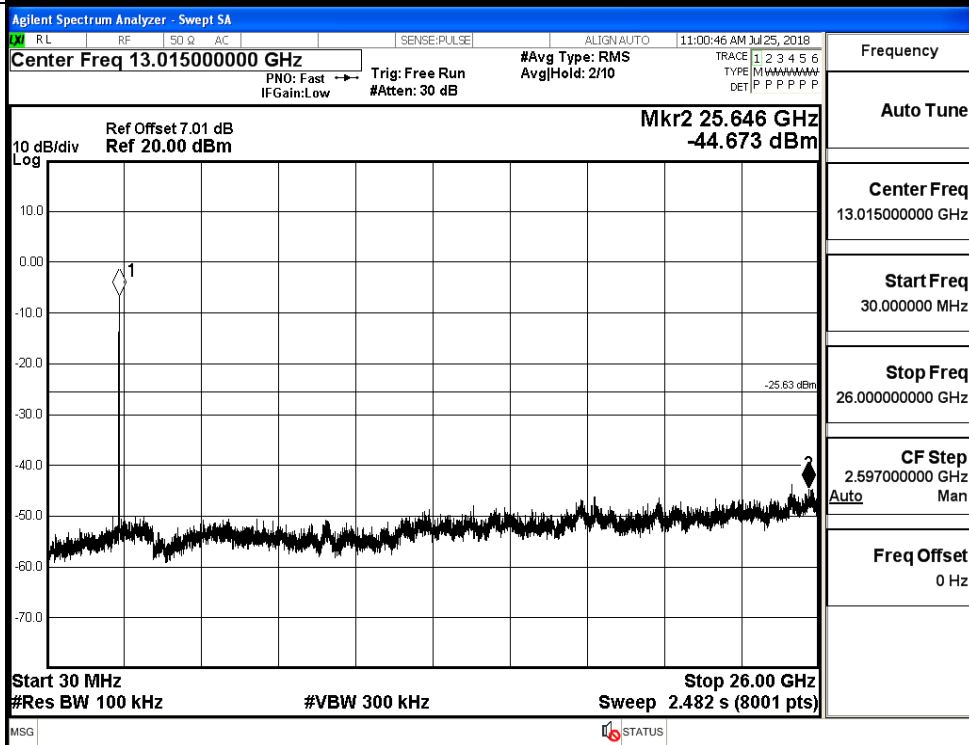


11G_HCH_Graphs_Ant0

Pref/11G/HCH

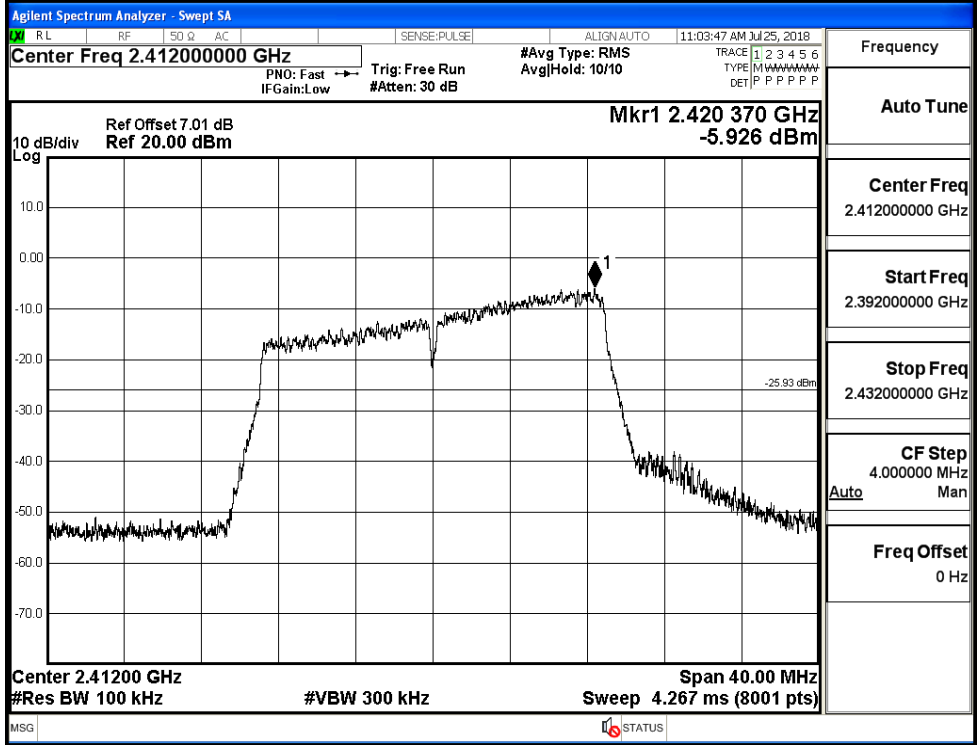


Puw/11G/HCH

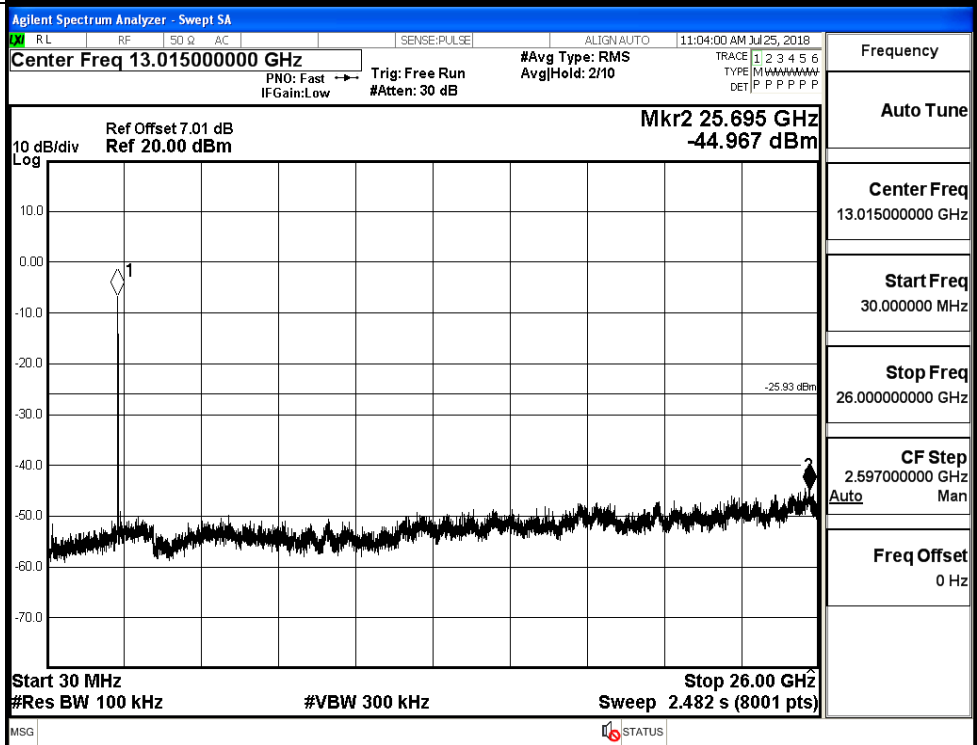


11N20_LCH_Graphs_Ant0

Pref/11N20/LC
H

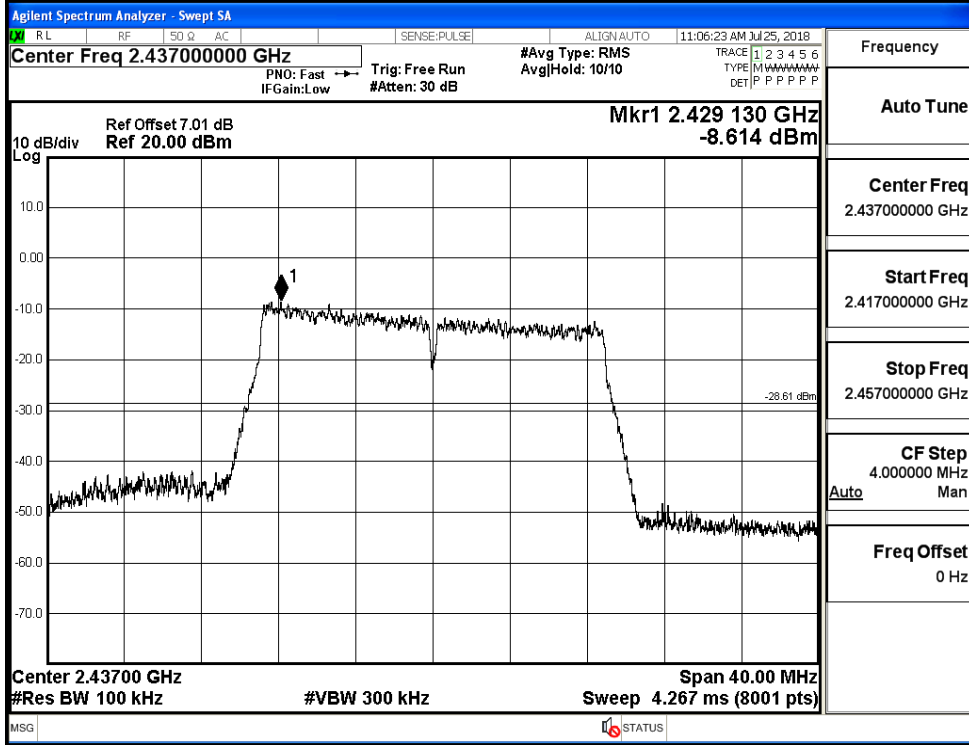


Puw/11N20
/LCH

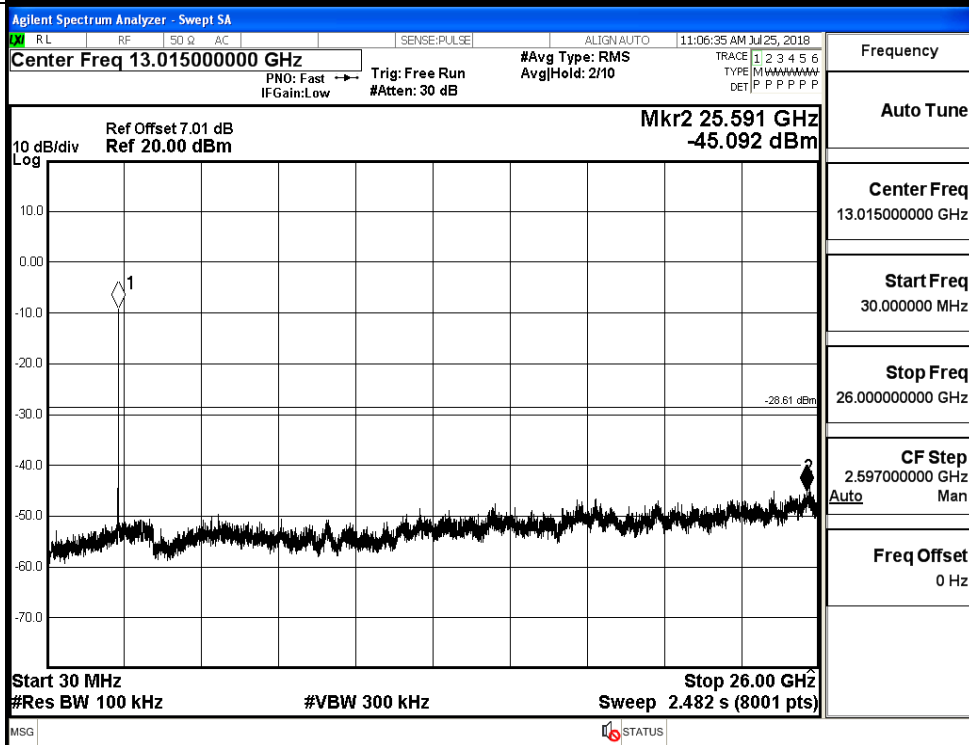


11N20_MCH_Graphs_Ant0

Pref/11N20/MC
H

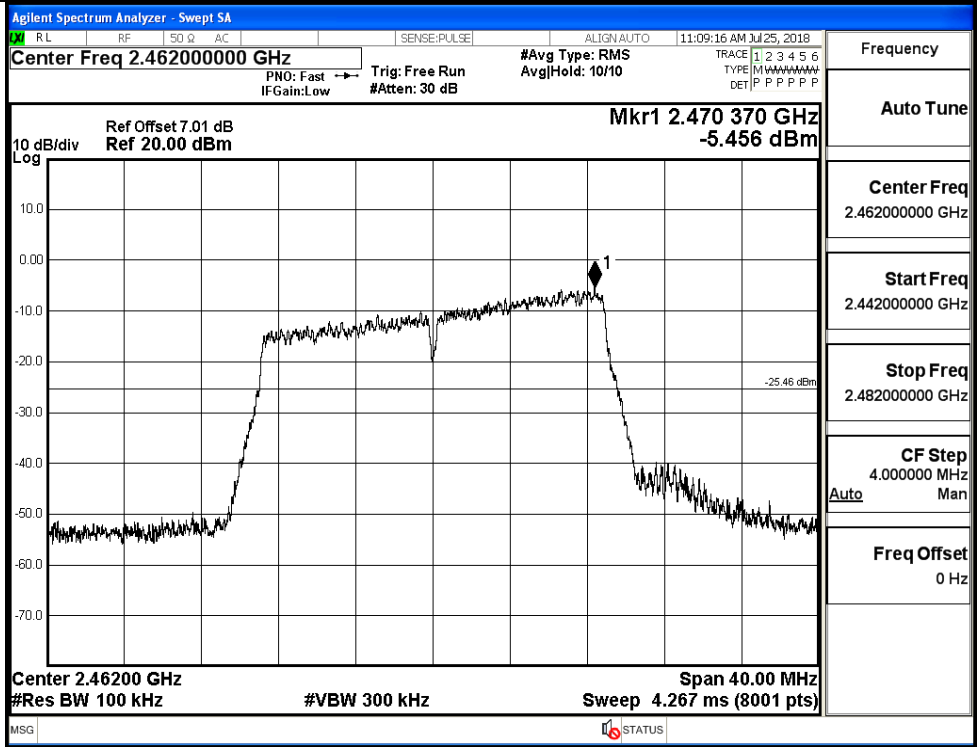


Puw/11N20/MC
H

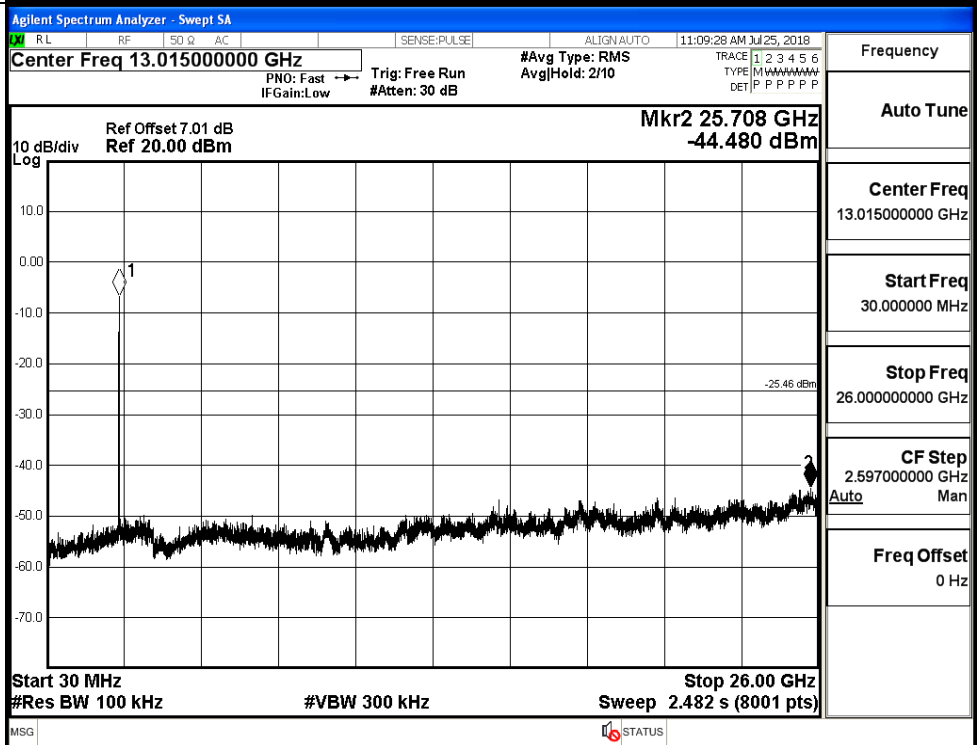


11N20_HCH_Graphs_Ant0

Pref/11N20/HCH

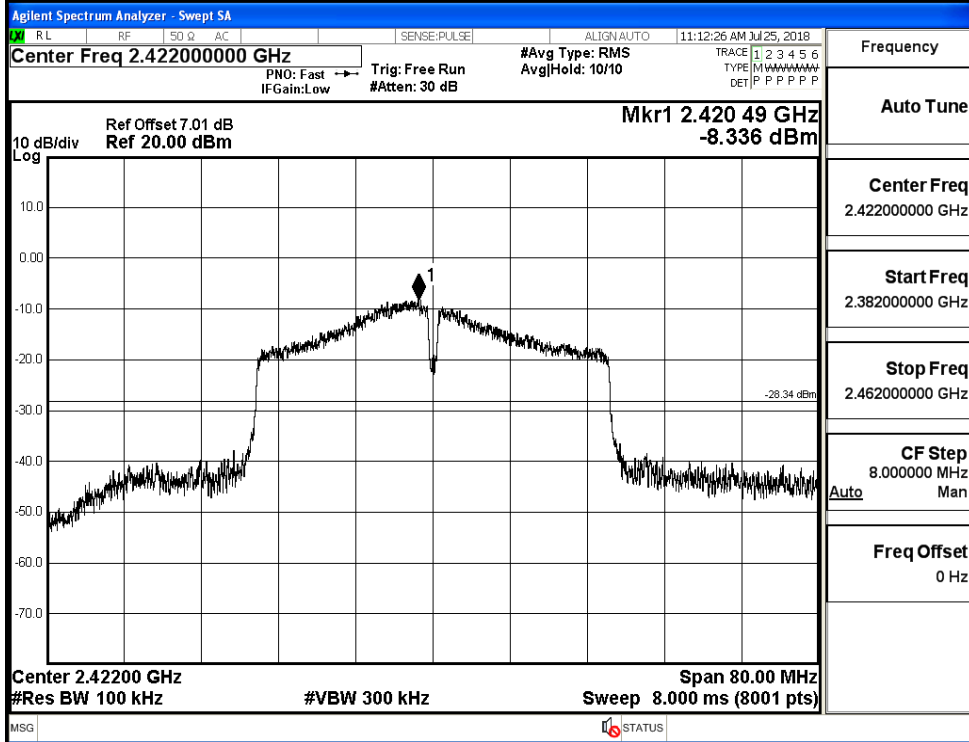


Puw/11N20/HCH

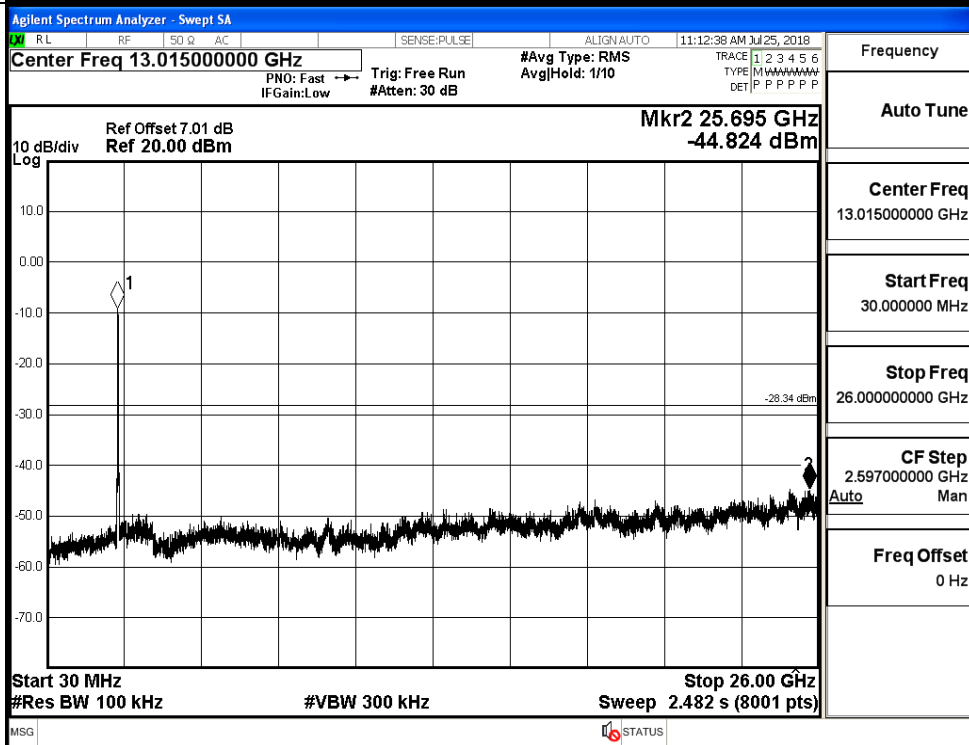


11N40_LCH_Graphs_Ant0

Pref/11N40/LC
H

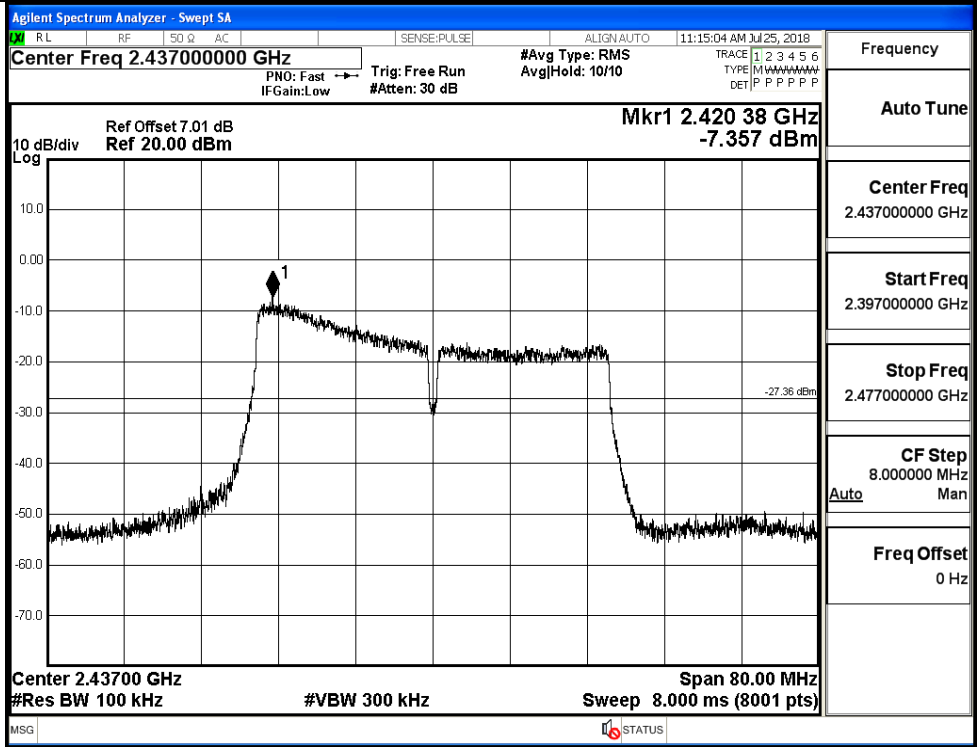


Puw/11N40
/LCH

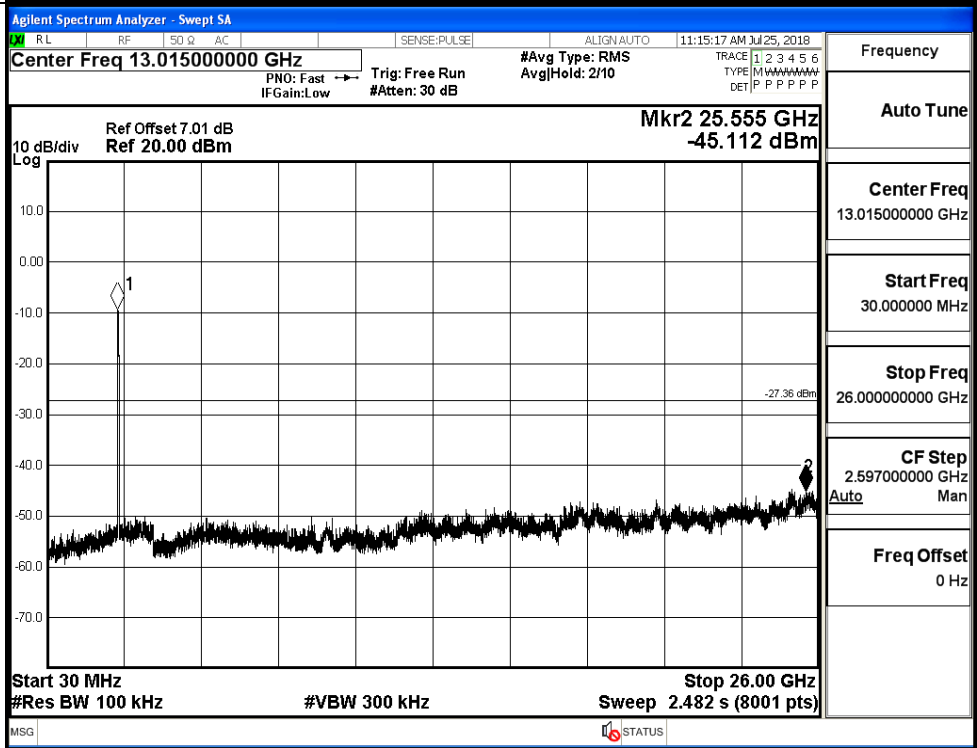


11N40_MCH_Graphs_Ant0

Pref/11N40
/MCH

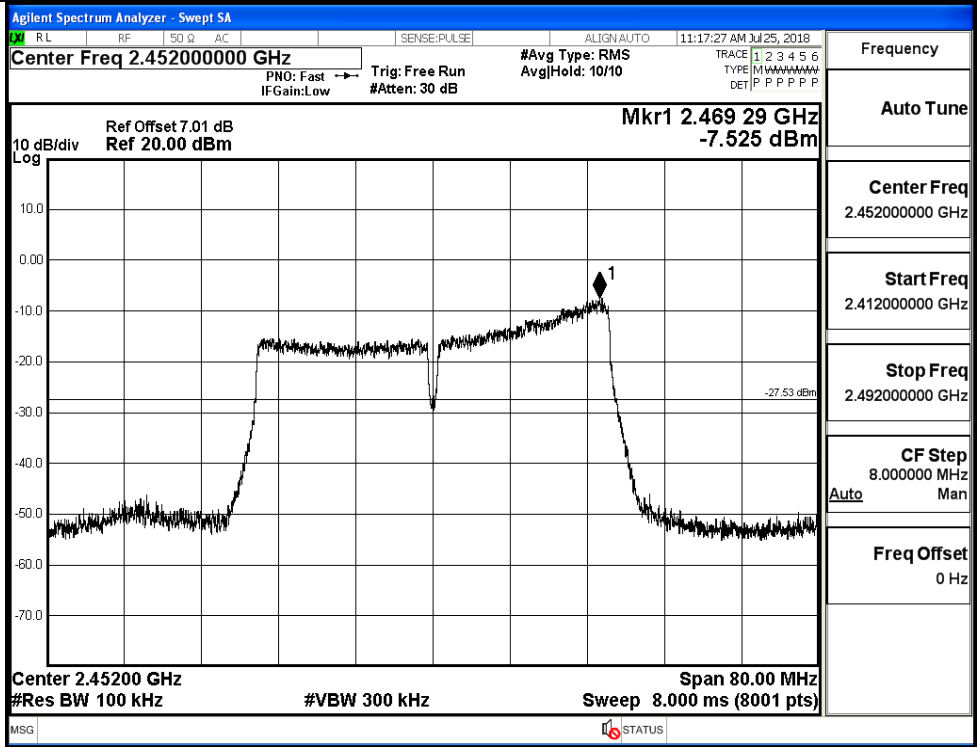


Puw/11N40
SISO/MCH

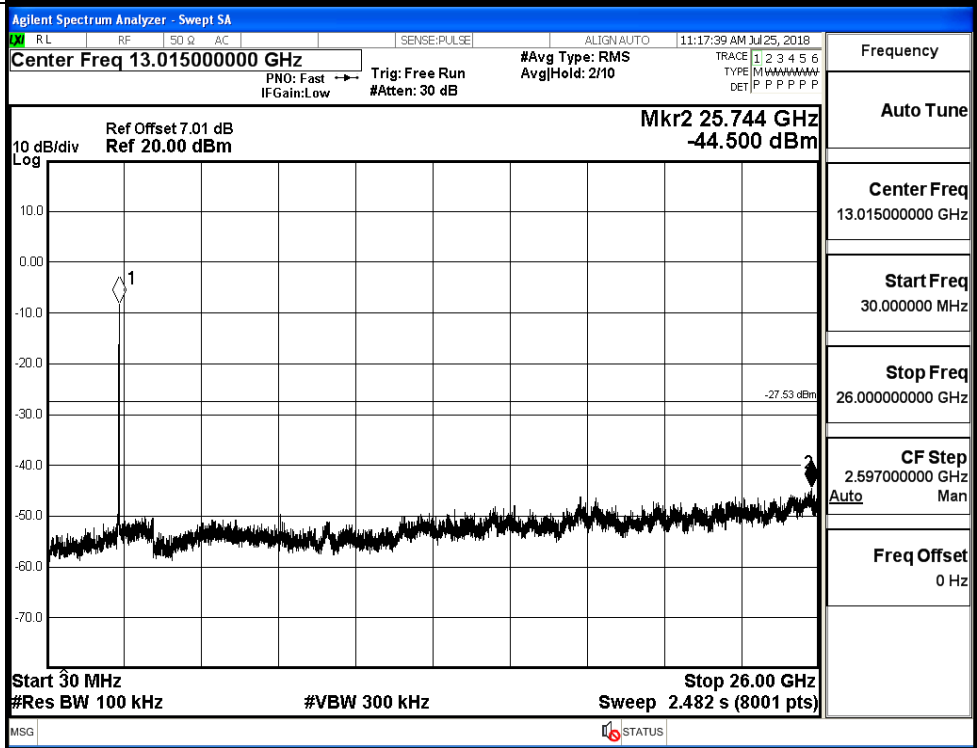


11N40_HCH_Graphs_Ant0

Pref/11N40
/HCH

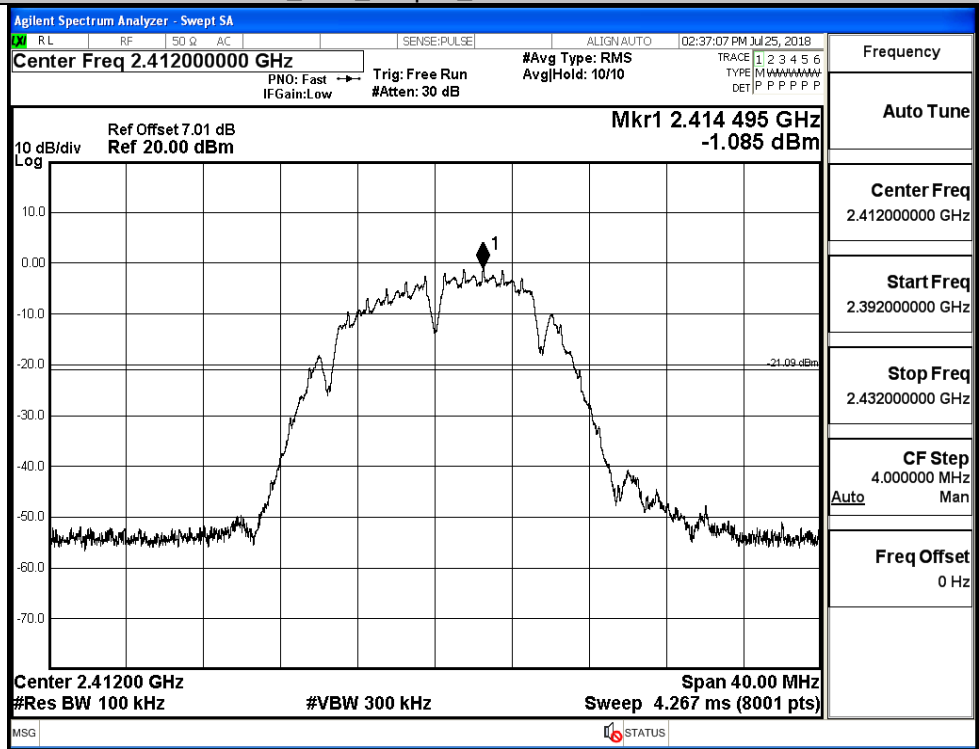


Puw/11N40
/HCH

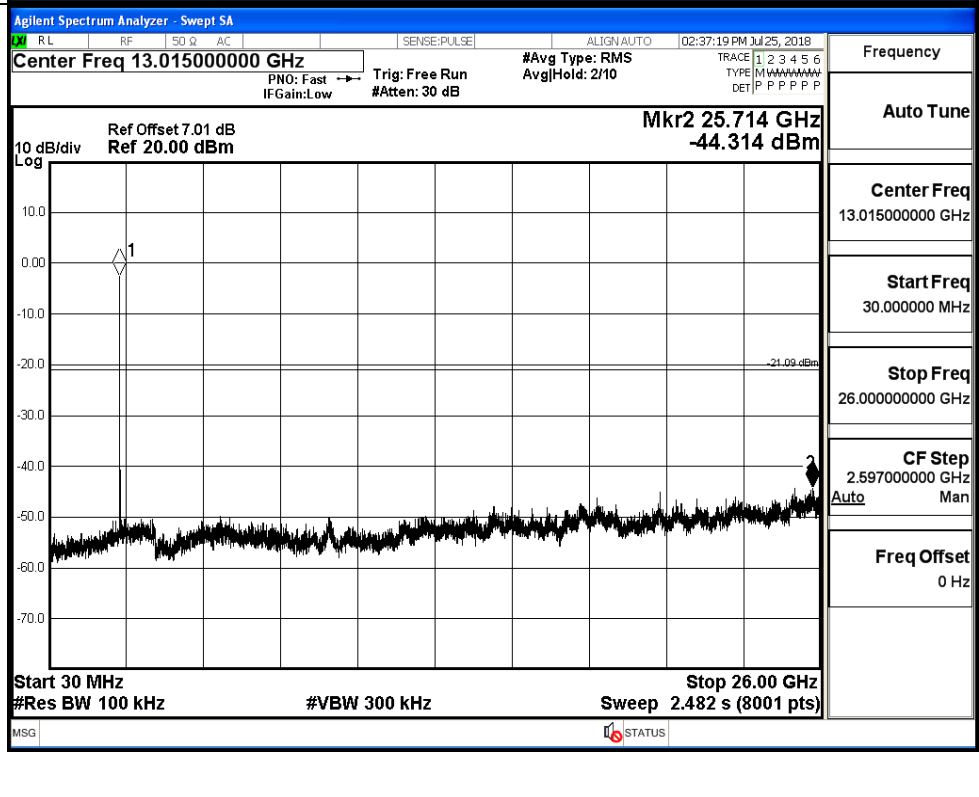


11B_LCH_Graphs_Ant1

Pref/11B/LCH

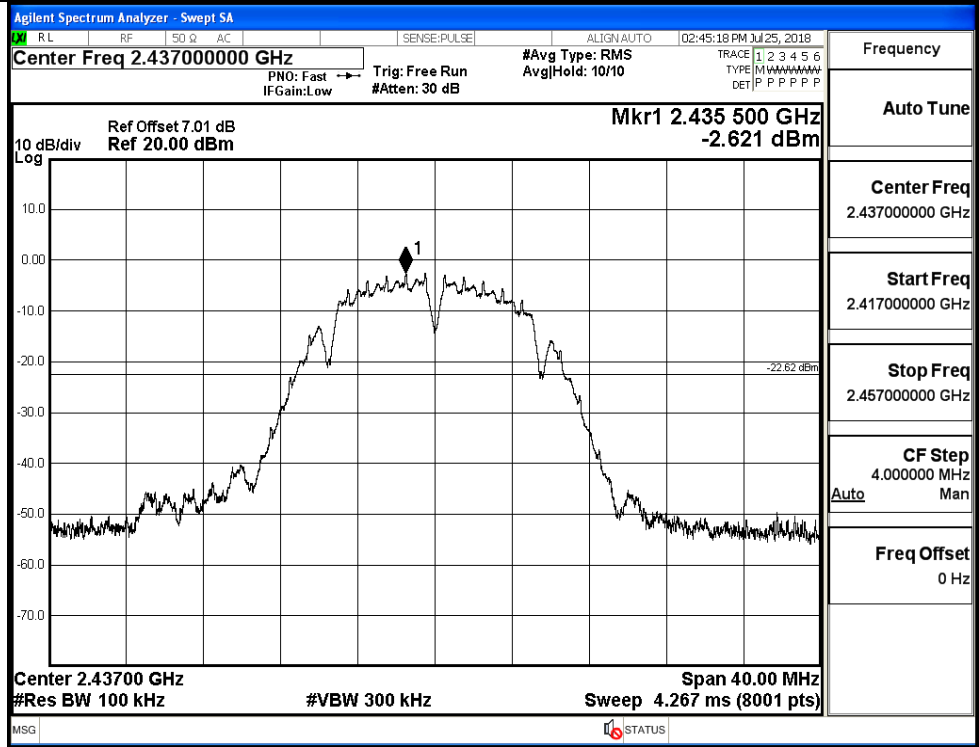


Puw/11B/LCH

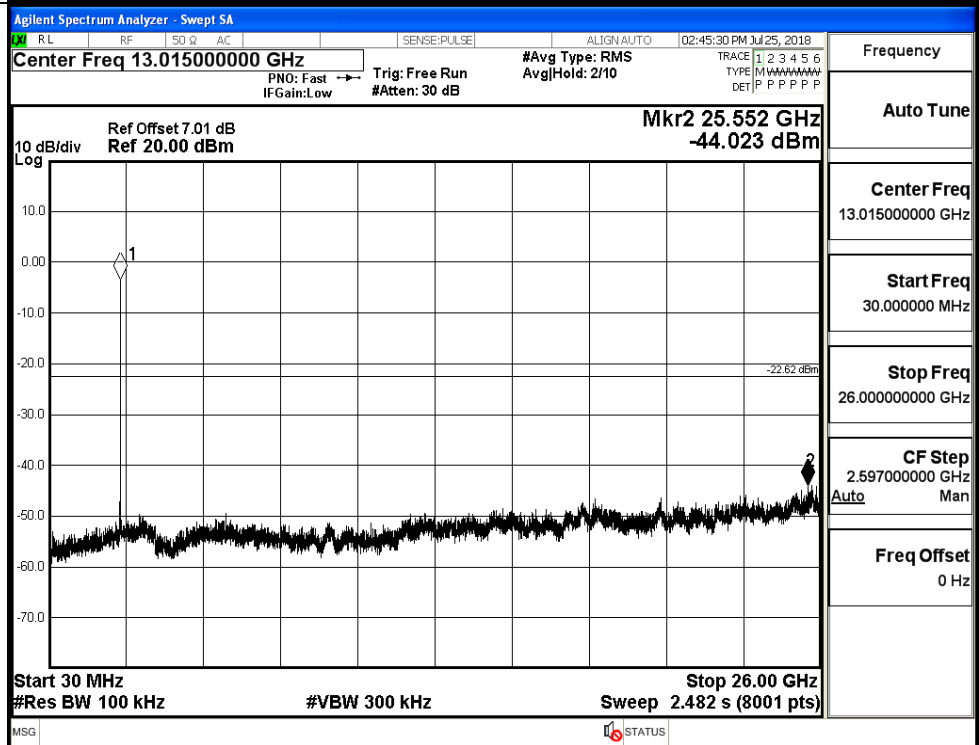


11B_MCH_Graphs_Ant1

Pref/11B/MCH

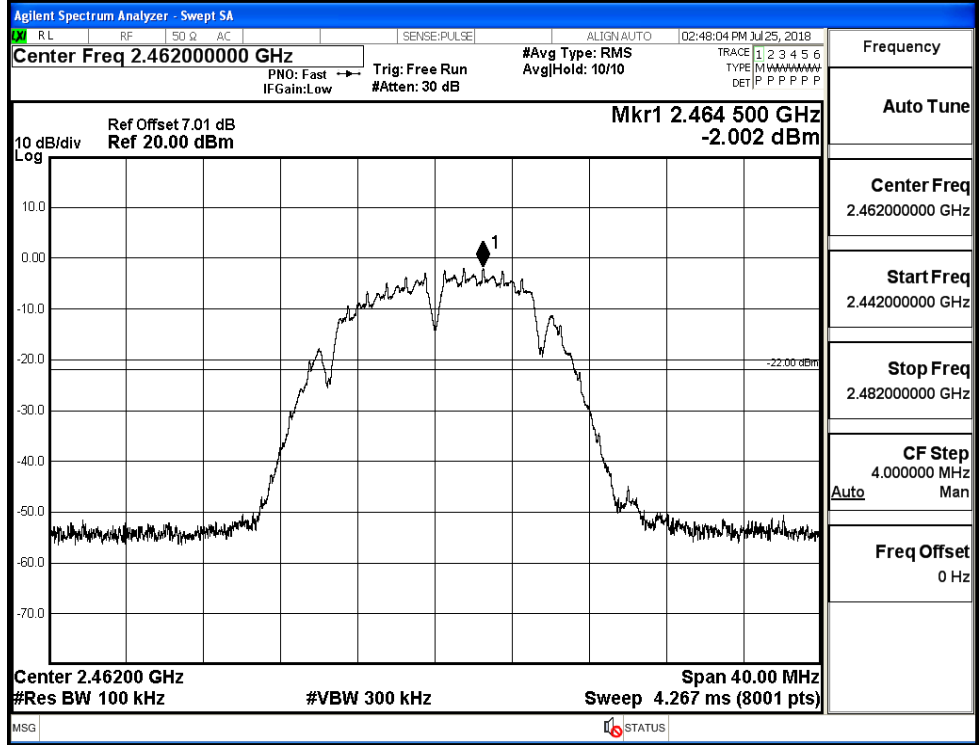


Puw/11B/MCH



11B_HCH_Graphs_Ant1

Pref/11B/HCH



Puw/11B/HCH

