

Software Parameters

Transmit frequency (kHz)	F1	<input type="text" value="290"/>	F2	<input type="text" value="330"/>	F1 to F2 Sweep
Gap between pulse start and ADC capture (μ s)		<input type="text" value="270"/>			
Number of Pulses		<input type="text" value="6"/>			
UPS and DNS Gap (μ s)		<input type="text" value="4,000"/>			
UPS0 to UPS1 Gap (ms)		<input type="text" value="1,000"/>			
GUI Based Gain Control		<input type="text" value="-6.5 db"/>			
Meter Constant		<input type="text" value="60.00"/>	<input type="button" value="#h"/>	<input type="button" value="G/m"/>	

Advanced Software Parameters

USSXT (kHz)	<input type="text" value="8000"/>	Algorithm Option	<input type="text" value="Hilbert Wide"/>
ADC Sampling Frequency (kHz)	<input type="text" value="200"/>	Envelope Crossing Threshold	<input type="text" value="50"/>
Signal Sampling Frequency (kHz)	<input type="text" value="2000.0"/>	Start PPG Count (ns)	<input type="text" value="200,000"/>
ADC Over Sampling Rate	<input type="text" value="1"/>	Turn on ADC Count (ns)	<input type="text" value="20,000"/>
Delta TOF Offset (ps)	<input type="text" value="0"/>	Start PGA and IN Bias Count (ns)	<input type="text" value="200,000"/>
Abs TOF Additional Delay (ns)	<input type="text" value="0"/>	USS XTAL Settling Count (μ s)	<input type="text" value="120"/>
Capture Duration (μ s)	<input type="text" value="110"/>	External Amplifier Count (ns)	<input type="text" value="10,000"/>
Interpolation Correction Table Size	<input type="text" value="Disabled"/>	User Param #8	<input type="text" value="-2,000,000,000"/>
		Search Range	<input type="text" value="8"/>
		User Param #10	<input type="text" value="0"/>

Stepped through flow rates: 0, 2, 4, 6, 8, 10 L/min.

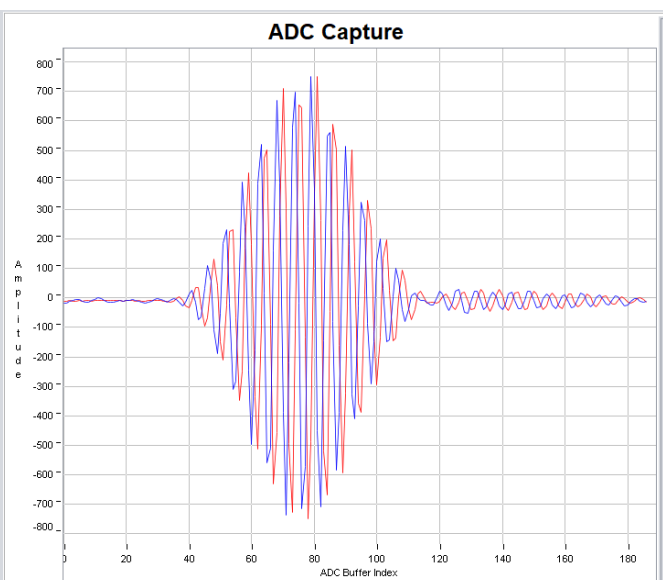
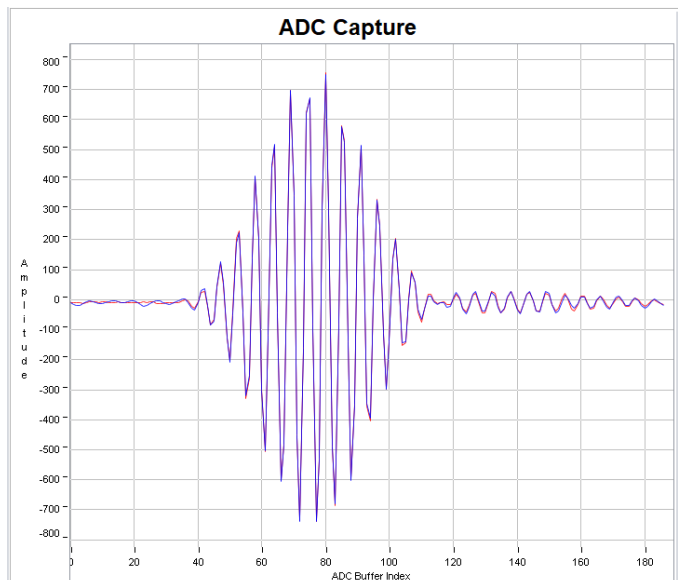
Test 1: HSPLL 68MHz, OSR 20 (1.7MHz signal sampling rate)



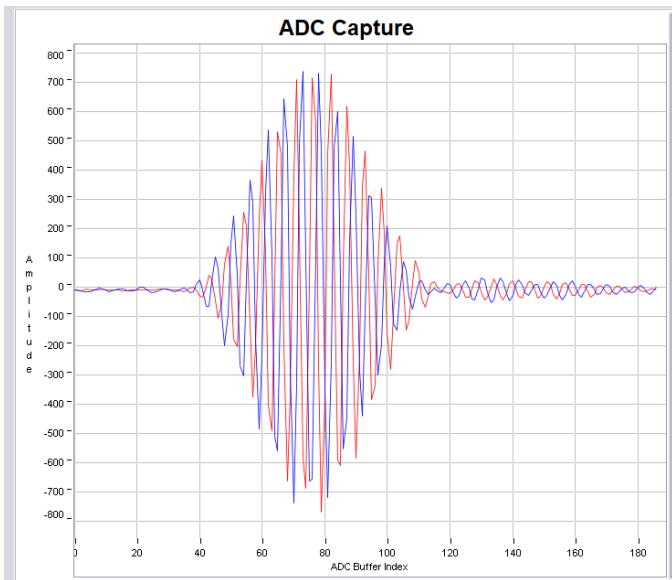
Getting error code 135, DToF - Shift value was greater than maxSampleShift

0LPM

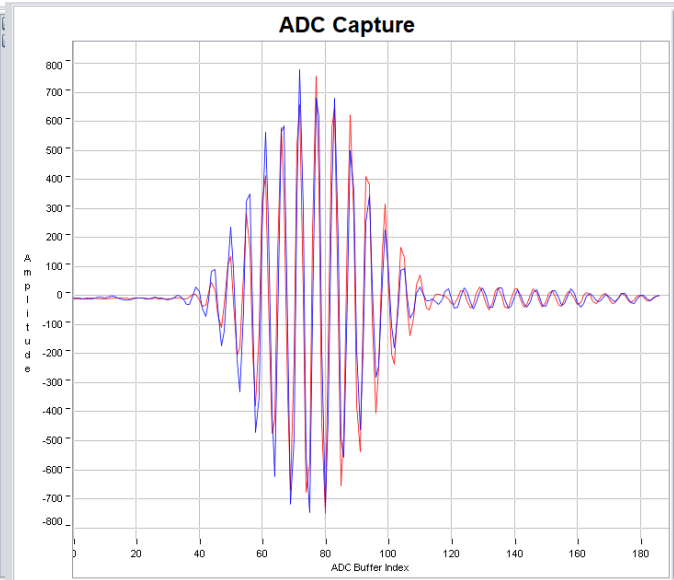
2LPM



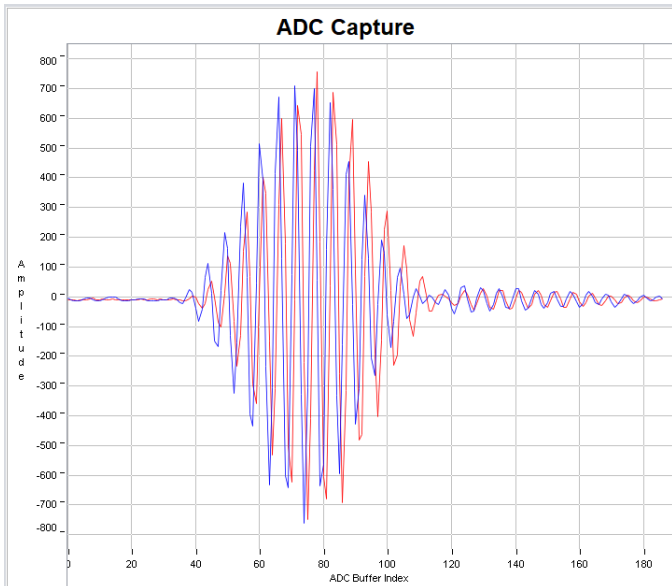
4LPM



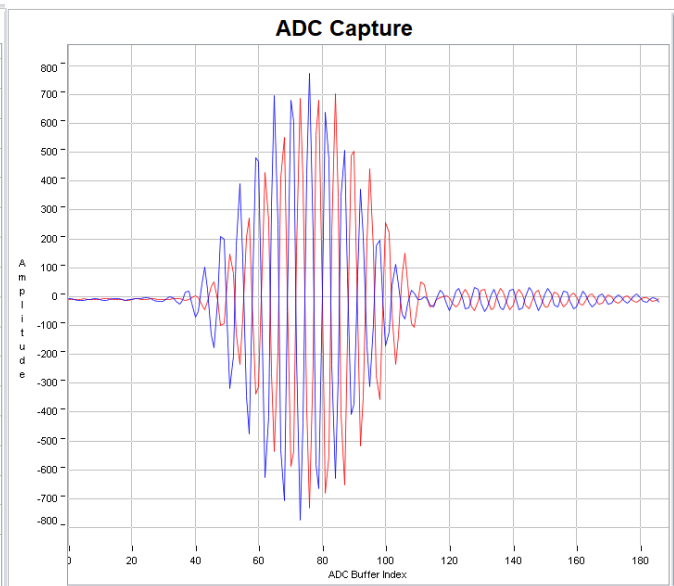
6LPM



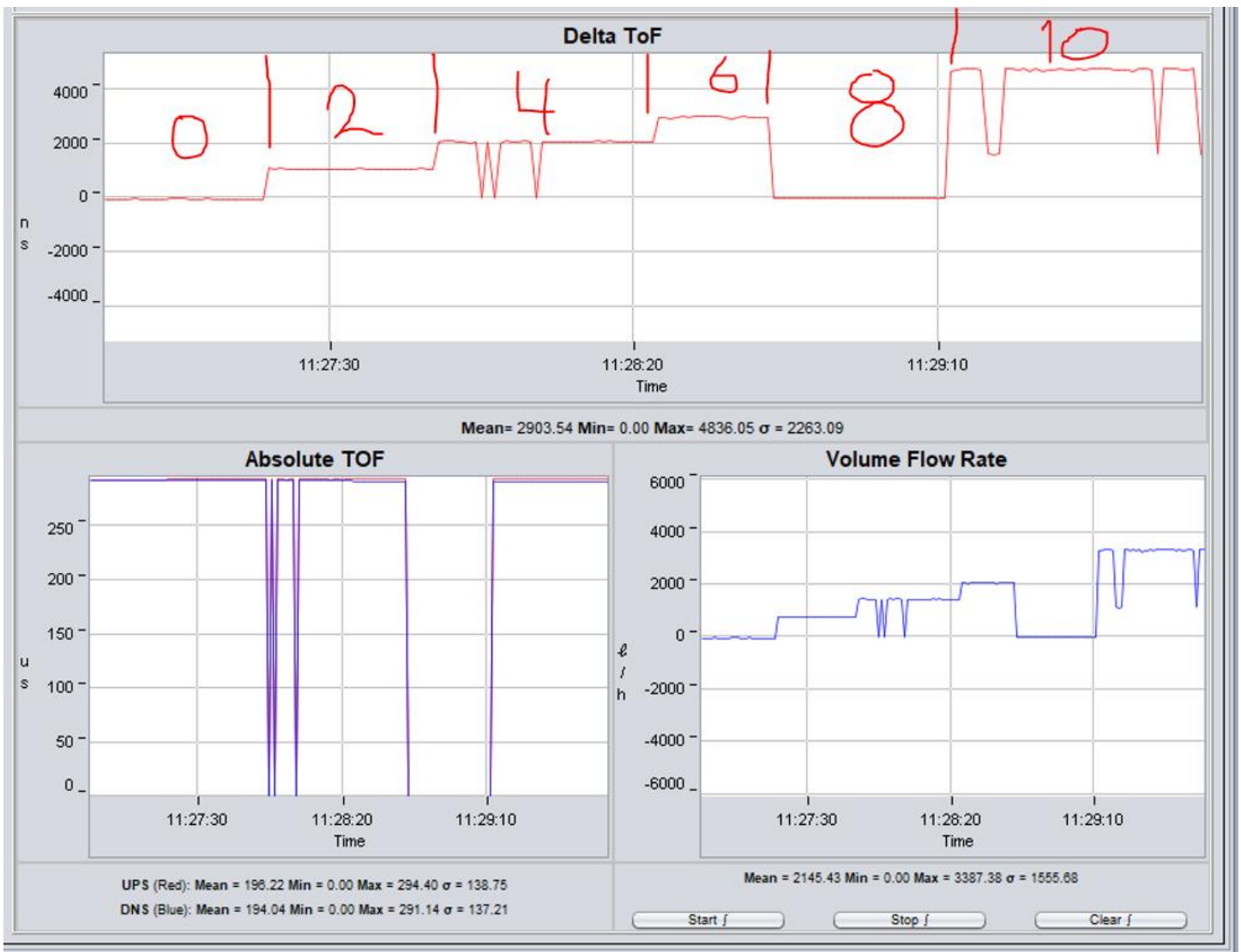
8LPM



10LPM



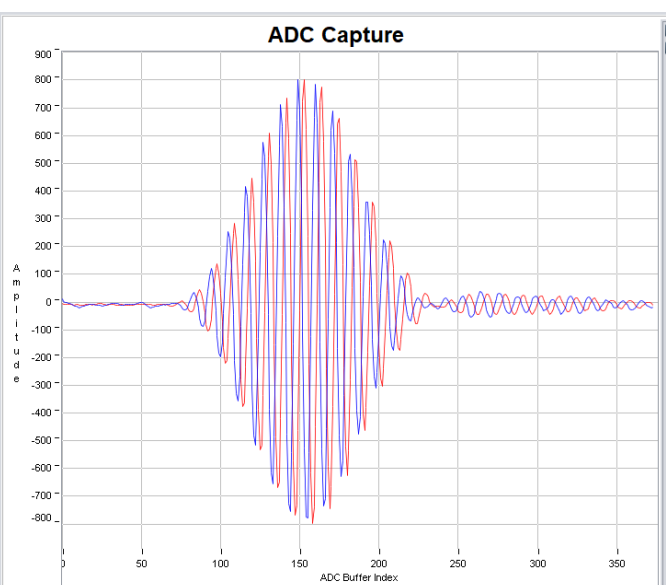
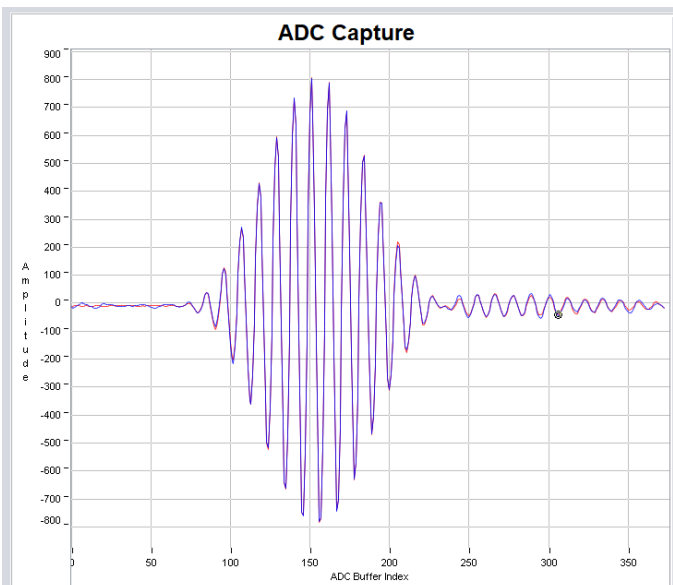
Test 2: HSPLL 68MHz, OSR 40 (3.4MHz signal sampling rate):



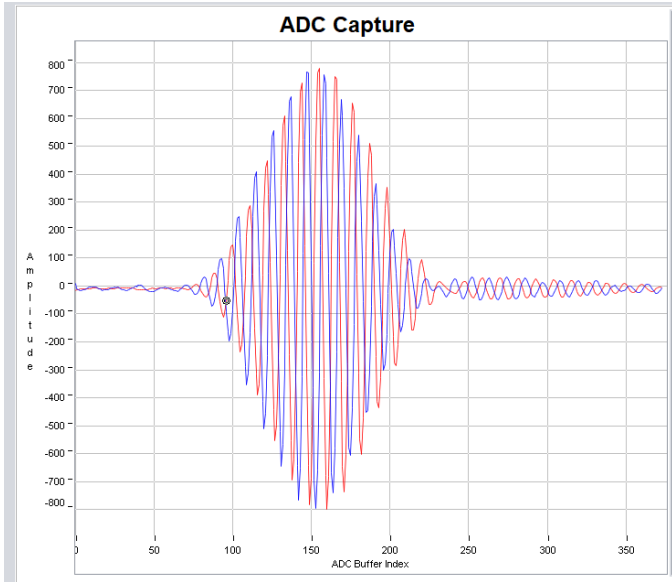
Getting error code 135, DToF - Shift value was greater than maxSampleShift

0LPM

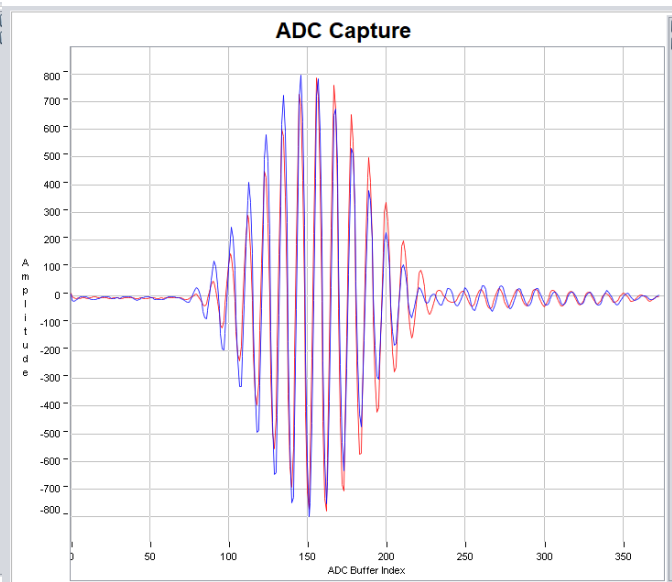
2LPM



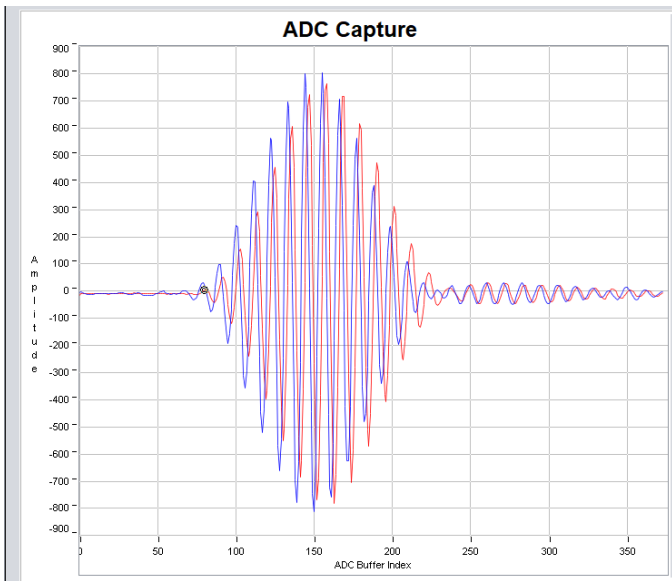
4LPM



6LPM



8LPM



10LPM

