

- Computer
- Network
- Recycle Bin
- Adobe Reader XI
- AFE44x0SP... GUI
- Google Chrome
- Mozilla Firefox
- Untitled

AFE44x0SPO2EVM GUI

File Check for GUI Update Debug Tools Scripts Help

AFE44x0SPO2EVM GUI Simulation Mode ■

ABOUT Device Configuration ADC Capture & Analysis Save

Capture Mode: Finite
 No. of Samples: 2048
 Volts/codes: Volts
 Filter Type: Notch
 Notch Freq: 50 Hz
 Analysis Type GBL: All Domain
 Auto Save After Capture? Stop
 Scope Analysis

Data Rate (sps): 500 Vref (volts): 1.2 Show data for the LAST 10 (s) on Time Domain Graph Four Plot Mode

Time Domain LED 1 (IR) Number of Samples

Time Domain LED 1 (IR) AMBIENT Number of Samples

Time Domain LED 2 (RED) Number of Samples

Time Domain LED 2 (RED) AMBIENT Number of Samples

Collecting Data From Device... Version:2.0 CONNECTED TEXAS INSTRUMENTS

- Internet Explorer
- Windows Explorer
- Google Chrome
- Mozilla Firefox
- AFE44x0SP... GUI

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Simulation Mode ■

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ABOUT
Device Configuration
ADC Capture & Analysis
Save

Global Settings
Tx Stage
Rx Stage
Timing Controls
Low Level Configuration

Device ID:

Firmware Revision:

Device Reset

Reset to EVM Defaults

SPI Read

Powerdown AFE

Powerdown RX

En Bypass ADC

Enable Slow Diag Clock

XTAL Disable

Powerdown TX

CLKs on ALM Pin

Enable Clocks on PD/LED Pins

Sample LED2/LED1 pulse

Diagnostic Enable

PD Alarm Status ■	PD is O/C ■
LED Alarm Status ■	PD is S/C ■
LED1 Open Circuit ■	Photo-Diode INN S/C to GND ■
LED2 Open Circuit ■	Photo-Diode INP S/C to GND ■
LED Short Circuit ■	Photo-Diode INN S/C to LED ■
LED OUTP S/C to GND ■	Photo-Diode INP S/C to LED ■
LED OUTN S/C to GND ■	

Ready For New Command
Version:2.0
CONNECTED

Computer Untitled

Network PPG signals

Recycle Bin Tx Stage settings

Adobe Reader XI Rx Stage Config

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Simulation Mode ■

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ABOUT **Device Configuration** ADC Capture & Analysis Save

Global Settings Tx Stage Rx Stage Timing Controls Low Level Configuration

LED2 ON	d 6000	d 7999	
LED1 ON	d 2000	d 3999	
Sample LED2	d 6080	d 7998	
Sample LED1	d 2080	d 3998	
Sample Ambient LED2	d 80	d 1998	
Sample Ambient LED1	d 4080	d 5998	
LED2 Convert	d 6	d 1999	
ADC Reset 0	d 0	d 5	
Ambient LED2 Convert	d 2006	d 3999	
ADC Reset 1	d 2000	d 2005	
LED 1 Convert	d 4006	d 5999	
ADC Reset 2	d 4000	d 4005	
Ambient LED1 Convert	d 6006	d 7999	
ADC Reset 3	d 6000	d 6005	

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8192

Decimal
 Hexadecimal

Pulse Repetition Frequency: 500 Hz
Duty Cycle %: 25

Timer Enable
Timer Counter:

Pulse Repetition: d 7999
Number of Averages: d 1

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2:32 PM
8/7/2014

Computer Desktop Icons:

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ABOUT Device Configuration ADC Capture & Analysis Save

Global Settings Tx Stage Rx Stage Timing Controls Low Level Configuration

H-Bridge Mode ▼

External Supply

Rsc

C_{Decouple}

LED

H-BRIDGE LED DRIVER

LED CURRENT CONTROL DAC

75 mA ▼

LED 2 (Red) Current in mA 5.88235

LED 2 (Red) Current Setting 20

Allow LED 2 (Red) current > 25 mA

LED 1 (IR) Current in mA 5.88235

LED 1 (IR) Current Setting 20

Allow LED 1 (IR) current > 25 mA

Transmitter Reference Voltage 0.75 V

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