

Device Cygnal Lattice Receiver FreqStat Log

XRayADC connected.

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Interface

VID 0x0403

PID 0x6022

Connect

Disconnect

Start FIFO test

Start stuffer test

Start packer test

 Log tests to file

Device Cygnal Lattice Receiver FreqStat Log

 Enable CS

SPI transaction

Send FF FF FF FF FF

Receive

Send

I2C transaction

Port num 2 Clk 10000 Slave address 0x0 Register 0x80

3F

1

Read

Write

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XRay ADC Tuner

Device Cygnal Lattice Receiver FreqStat Log

▼ Config

Energy	Channels	StartConvPeriod	5,00 msec
<input checked="" type="radio"/> Single <input type="radio"/> Dual	Channel #1 1	StartTransferDelay	440,000 usec
Card type 64	Channel #2 0	StartConvDelay	0 cks
Gain 0,5 pF	Channel #3 0	Ext. sync	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3

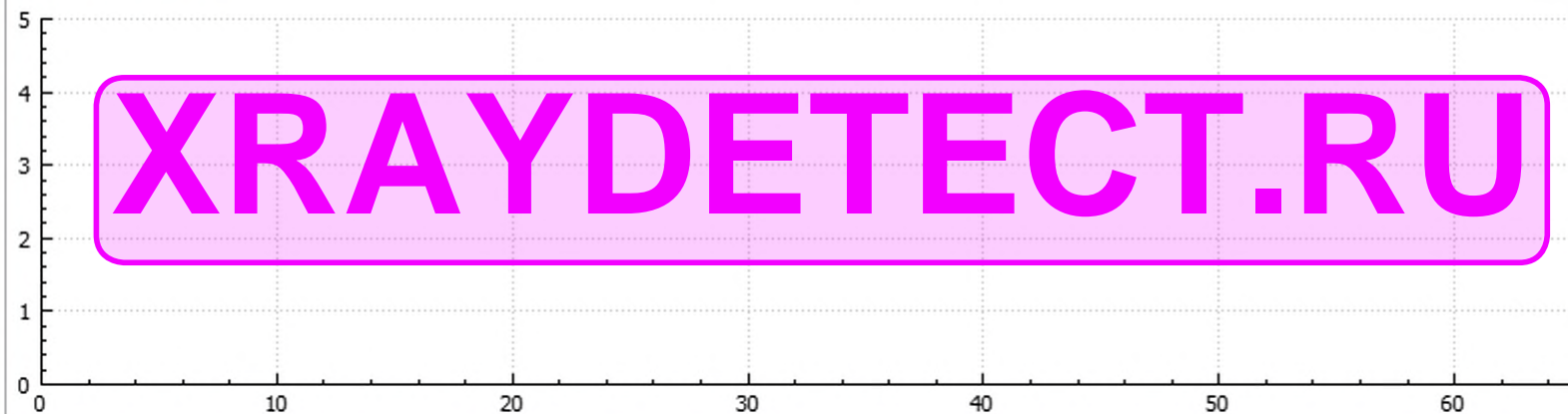
Apply config

Start receiver

Stop receiver

 Apply calib Save to file

Levels Waterfall



Name	1	Calib
Current	<input type="checkbox"/>	<input type="button" value="Run black calib"/>
Avg	<input type="checkbox"/>	<input type="button" value="Save black calib"/>
Min	<input type="checkbox"/>	<input type="button" value="Run white calib"/>
Max	<input type="checkbox"/>	<input type="button" value="Save white calib"/>
Sd	<input type="checkbox"/>	<input type="button" value="Abort calib"/>
BlackCalib	<input type="checkbox"/>	
WhiteCalib	<input type="checkbox"/>	
BlackAvg	<input type="checkbox"/>	
BlackMin	<input type="checkbox"/>	
BlackMax	<input type="checkbox"/>	

XRay ADC Tuner

Device Cygnal Lattice Receiver FreqStat Log

▶ Config

Apply config

Start receiver

Stop receiver

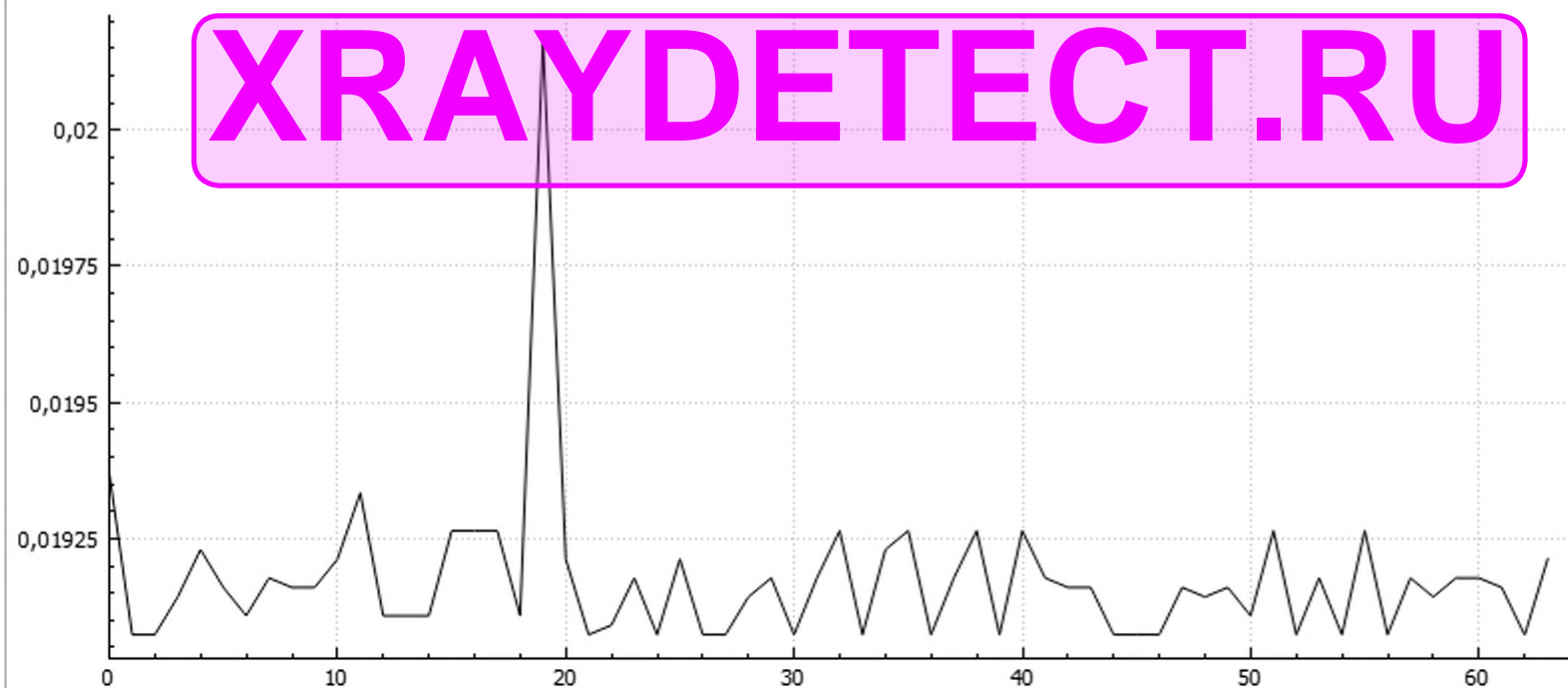
 Apply calib Save to file

F:/work/ProjectsBuilds/xray/Software/build-XRayADCTuner-Desktop_Qt_5_12_9_MinGW_32_bit-Debug

Browse

Levels

Waterfall



Name

1

Current

Avg

Min

Max

Sd

BlackCalib

WhiteCalib

BlackAvg

BlackMin

BlackMax

BlackSd

WhiteAvg

WhiteMin

WhiteMax

WhiteSd

Calib

Run black calib

Save black calib

Run white calib

Save white calib

Abort calib

XRay ADC Tuner

Device Cygnal Lattice Receiver FreqStat Log

▶ Config

Apply config

Start receiver

Stop receiver

Apply calib Save to file

F:/work/ProjectsBuilds/xray/Software/build-XRayADCTuner-Desktop_Qt_5_12_9_MinGW_32_bit-Debug

Browse

Levels

Waterfall

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JustColorLE

0,0000

0,0007

Invert

Device Cygnal Lattice Receiver FreqStat Log

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Lines count 1024

Start

Stop

Export

100%

Filters

Max level Subsystem

Thread name

Filename

Function

Export

Clear

5

[19.04.2021 17:39:32.528]D { ControllerThread} BaseSpiDevice.cpp:writeReg():82> Sending (5) 0601108009 |

[19.04.2021 17:39:32.528]D { ControllerThread} BaseSpiDevice.cpp:readReg():56> Sending (2) 83FF | ..

[19.04.2021 17:39:32.529]D { ControllerThread} BaseSpiDevice.cpp:readReg():64> Received (2) 2BF3 | +.

[19.04.2021 17:39:32.529]D { ControllerThread} CygnalDevice.cpp:readI2cStatus():475> Received I2C0 status TransInProgress (0

[19.04.2021 17:39:32.532]D { ControllerThread} BaseSpiDevice.cpp:readReg():56> Sending (2) 83FF | ..

[19.04.2021 17:39:32.532]D { ControllerThread} BaseSpiDevice.cpp:readReg():64> Received (2) 2CF0 | ..

[19.04.2021 17:39:32.532]D { ControllerThread} CygnalDevice.cpp:readI2cStatus():475> Received I2C0 status TransComplSuccessf

[19.04.2021 17:39:32.532]D { ControllerThread} XRayADCDevice.cpp:startReceiver():789> [0] master

[19.04.2021 17:39:32.532]D { ControllerThread} LatticeDevice.cpp:update():244> Writing DeviceSyncControl 0x31101000

[19.04.2021 17:39:32.533]D { ControllerThread} BaseSpiDevice.cpp:writeSpiTransactions():164> Sending 2 SPI transactions...

[19.04.2021 17:39:32.533]D { ControllerThread} BaseSpiDevice.cpp:writeSpiTransactions():164> Sending 2 SPI transactions...

[19.04.2021 17:39:40.181]D { ControllerThread} XRayADCDevice.cpp:stopReceiver():800> [0] master 1

[19.04.2021 17:39:40.181]D { ControllerThread} LatticeDevice.cpp:update():244> Writing DeviceSyncControl 0x0944BC01F3000000

[19.04.2021 17:39:40.181]D { ControllerThread} BaseSpiDevice.cpp:writeSpiTransactions():164> Sending 1 SPI transactions...

[19.04.2021 17:40:29.021]D { ControllerThread} XRayADCDevice.cpp:startReceiver():789> [0] master 1

[19.04.2021 17:40:29.021]D { ControllerThread} LatticeDevice.cpp:update():244> Writing DeviceSyncControl 0x0144BC01F3000000

[19.04.2021 17:40:29.021]D { ControllerThread} BaseSpiDevice.cpp:writeSpiTransactions():164> Sending 1 SPI transactions...

[19.04.2021 17:40:34.268]D { ControllerThread} XRayADCDevice.cpp:stopReceiver():800> [0] master 1

[19.04.2021 17:40:34.268]D { ControllerThread} LatticeDevice.cpp:update():244> Writing DeviceSyncControl 0x0944BC01F3000000

[19.04.2021 17:40:34.269]D { ControllerThread} BaseSpiDevice.cpp:writeSpiTransactions():164> Sending 1 SPI transactions...

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