GRC Options and Hardware Parameters

GUI Parameters

Options

ID: uhd fft

Title: UHD FFT Plotter Author: Example

Description: FFT w...orm plot Generate Options: WX GUI

Parameter

ID: address Label: IP Address

Value: addr=192.168.10.2

Throttle

Sample Rate: 2M

Type: String Short ID: a

WX GUI Slider

Label: UHD Gain

Default Value: 0

Converter: Float

ID: tun gain

Minimum: 0

Maximum: 20

Parameter

ID: samp rate

Label: Sample Rate

Value: 2M Type: Float Short ID: s

Parameter

ID: freq

Label: Default Frequency

Display sinks

Alpha: 1

Keep 1 in N

Value: 1.4G Type: Float Short ID: f

Parameter

ID: gain

Label: Default Gain

Value: 0 Type: Float

WX GUI Notebook

ID: FFT

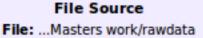
Tab Orientation: Top Labels: FFT, Waterfall

WX GUI Notebook ID: square law

Tab Orientation: Top

Labels: RMS, X^2

Source Block



Repeat: Yes

WX GUI Slider

ID: tun freq

Label: UHD Freq (Hz) Default Value: 1.4G

Minimum: 1.3G Maximum: 1.5G

Converter: Float

Short ID: g WX GUI FFT Sink

Title: FFT Plot Sample Rate: 2M Baseband Freq: 1.4G Y per Div: 10 dB

Y Divs: 10

Ref Level (dB): 10 Ref Scale (p2p): 2 FFT Size: 1.024k Refresh Rate: 30 Notebook: FFT. 0

WX GUI Waterfall Sink

Sample Rate: 2M Baseband Freq: 0 Dynamic Range: 100 Reference Level: 0 Ref Scale (p2p): 2 FFT Size: 512 FFT Rate: 15 Window: Hamming Notebook: FFT, 1

Title: Waterfall Plot

WX GUI Scope Sink

Title: Scope Plot

Sample Rate: 2M Notebook: square law, 0 Trigger Mode: Auto Y Axis Label: Counts

WX GUI Scope Sink

Title: Scope Plot Sample Rate: 2M Notebook: square_law, 1 Trigger Mode: Auto

Y Axis Label: Relative power

Signal Processing Blocks

Low Pass Filter Interpolation: 1

Complex to Mag^2

Gain: 1M Sample Rate: 2M Cutoff Freq: 1M

Transition Width: 10k Window: Hamming

Beta: 6.76