

Options

ID: top_block

Generate Options: WX GUI

Variable

ID: samp_rate

Value: 48k

Noise Source

Noise Type: Gaussian

Amplitude: 700m

Seed: 0

Signal Source

Sample Rate: 48k

Waveform: Cosine

Frequency: 1k

Amplitude: 1

Offset: 0

WX GUI Slider

ID: freq

Label: Frequency

Default Value: 1k

Minimum: 0

Maximum: 16k

Converter: Float

WX GUI Notebook

ID: nb

Tab Orientation: Top

Labels: Scope, FFT, Waterfall

Audio Sink

Sample Rate: 48k

Audio Source

Sample Rate: 48k

WX GUI Scope Sink

Title: Scope Plot

Sample Rate: 48k

Notebook: nb, 0

Trigger Mode: Auto

Y Axis Label: Counts

WX GUI FFT Sink

Title: FFT Plot

Sample Rate: 48k

Baseband Freq: 0

Y per Div: 10 dB

Y Divs: 10

Ref Level (dB): 0

Ref Scale (p2p): 2

FFT Size: 1.024k

Refresh Rate: 15

Notebook: nb, 1

Freq Set Varname: None

WX GUI Waterfall Sink

Title: Waterfall Plot

Sample Rate: 48k

Baseband Freq: 0

Dynamic Range: 100

Reference Level: 0

Ref Scale (p2p): 2

FFT Size: 512

FFT Rate: 15

Notebook: nb, 2

Freq Set Varname: None