

Options

ID: top_block

Generate Options: WX GUI

WX GUI Slider

ID: freq

Label: Frequency

Default Value: 1k

Minimum: -500k

Maximum: 500k

Converter: Float

WX GUI Notebook

ID: nb

Tab Orientation: Top

Labels: scope, FFT

Signal Source

Sample Rate: 1M

Waveform: Cosine

Frequency: 1k

Amplitude: 1

Offset: 0

Noise Source

Noise Type: Gaussian

Amplitude: 316.228n

Seed: 0

WX GUI Slider

ID: noise_amp

Label: Noise Amp

Default Value: -130

Minimum: -150

Maximum: 0

Converter: Float

Variable

ID: samp_rate

Value: 1M

Add

Throttle

Sample Rate: 32k

WX GUI Scope Sink

Title: Scope Plot

Sample Rate: 32k

V Offset: 500m

AC Couple: On

XY Mode: On

Notebook: nb, 0

Trigger Mode: Auto

Y Axis Label: Counts

WX GUI FFT Sink

Title: FFT Plot

Sample Rate: 32k

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