

Options

Title: ALS162 Channel
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Output Language: Python
Generate Options: QT GUI

Complexity: 970ubal

Variable

ID: samp_rate
Value: 192k

QT GUI Range

ID: NoiseGain
Label: Noise Gain
Default Value: 250m
Start: 0
Stop: 2.5
Step: 50m

QT GUI Range

ID: fading_freq
Default Value: 3.5M
Start: 1M
Stop: 6M
Step: 100k

low frequency => slow erfades
high frequency => faster fades

Variable

ID: v
Value: 833.333m

speed

Variable

ID: c
Value: 300M

speed of light

QT GUI Range

ID: range_uniform
Default Value: 327.68M
Start: 0
Stop: 327.68M
Step: 1

range of values for
uniform source

QT GUI Range

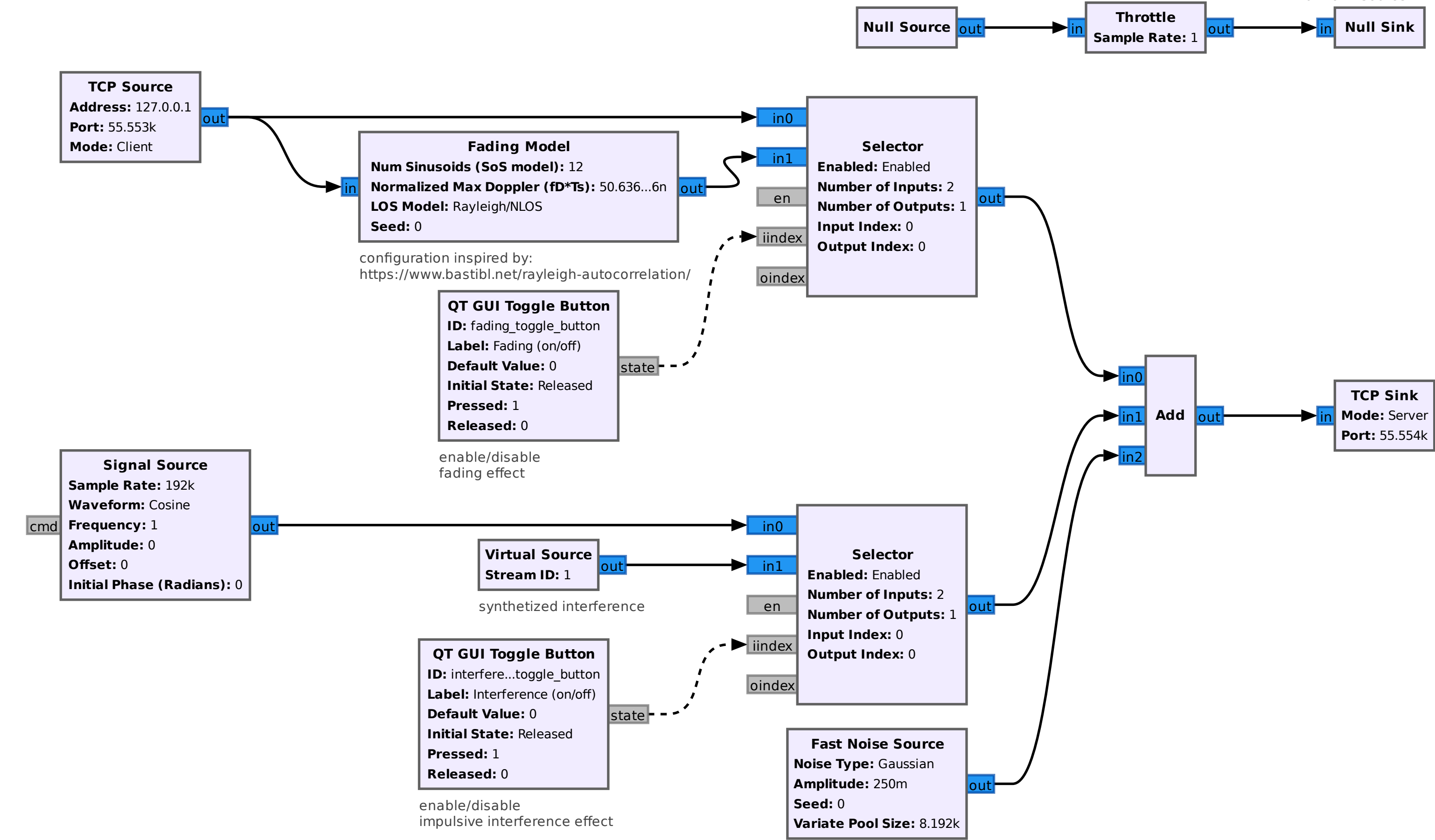
ID: impulse_thres
Default Value: 327.68M
Start: 0
Stop: 327.68M
Step: 1

high threshold => less interference
threshold must be below range_uniform

QT GUI Range

ID: interference_gain
Default Value: 500
Start: 0
Stop: 1k
Step: 10m

multiplicative gain for
interference signals



Note
Note:

This block creates the
impulsive interference
(roughly a sine cardinale
waveform)

