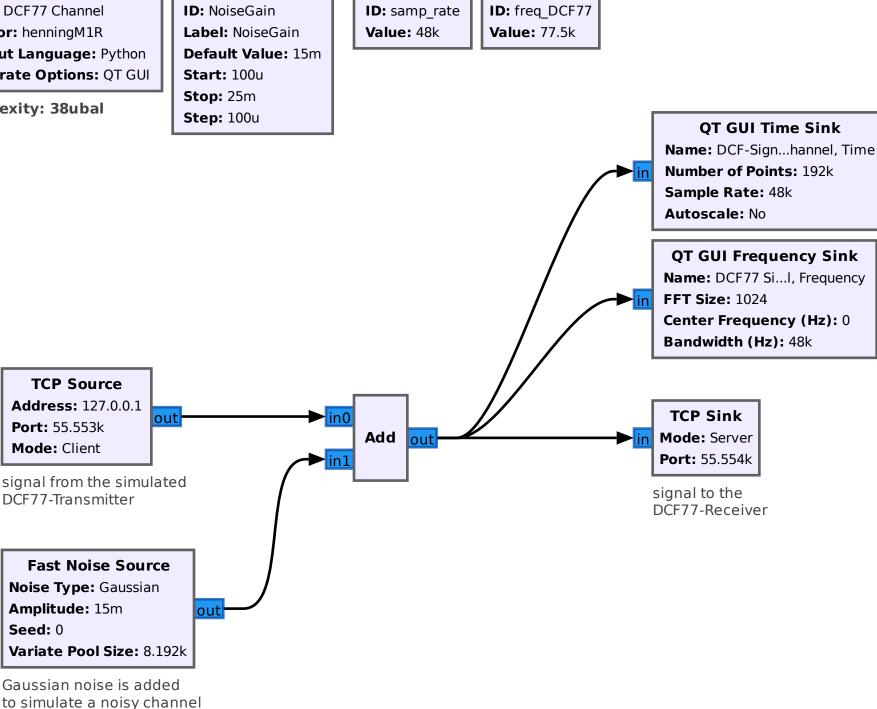**Options**
Title: DCF77 Channel
Author: henningM1R
Output Language: Python
Generate Options: QT GUI

Complexity: 38ubal

QT GUI Range
ID: NoiseGain
Label: NoiseGain
Default Value: 15m
Start: 100u
Stop: 25m
Step: 100u

Variable
ID: samp_rate
Value: 48k

Variable
ID: freq_DCF77
Value: 77.5k

QT GUI Time Sink
Name: DCF-Sign...hannel, Time
Number of Points: 192k
Sample Rate: 48k
Autoscale: No

QT GUI Frequency Sink
Name: DCF77 Si...l, Frequency
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 48k

TCP Source
Address: 127.0.0.1
Port: 55.553k
Mode: Client

out

signal from the simulated
DCF77-Transmitter

in0

Add
out

in1

TCP Sink
Mode: Server
Port: 55.554k

signal to the
DCF77-Receiver

Fast Noise Source
Noise Type: Gaussian
Amplitude: 15m
Seed: 0
Variate Pool Size: 8.192k

out

Gaussian noise is added
to simulate a noisy channel

in

in

in