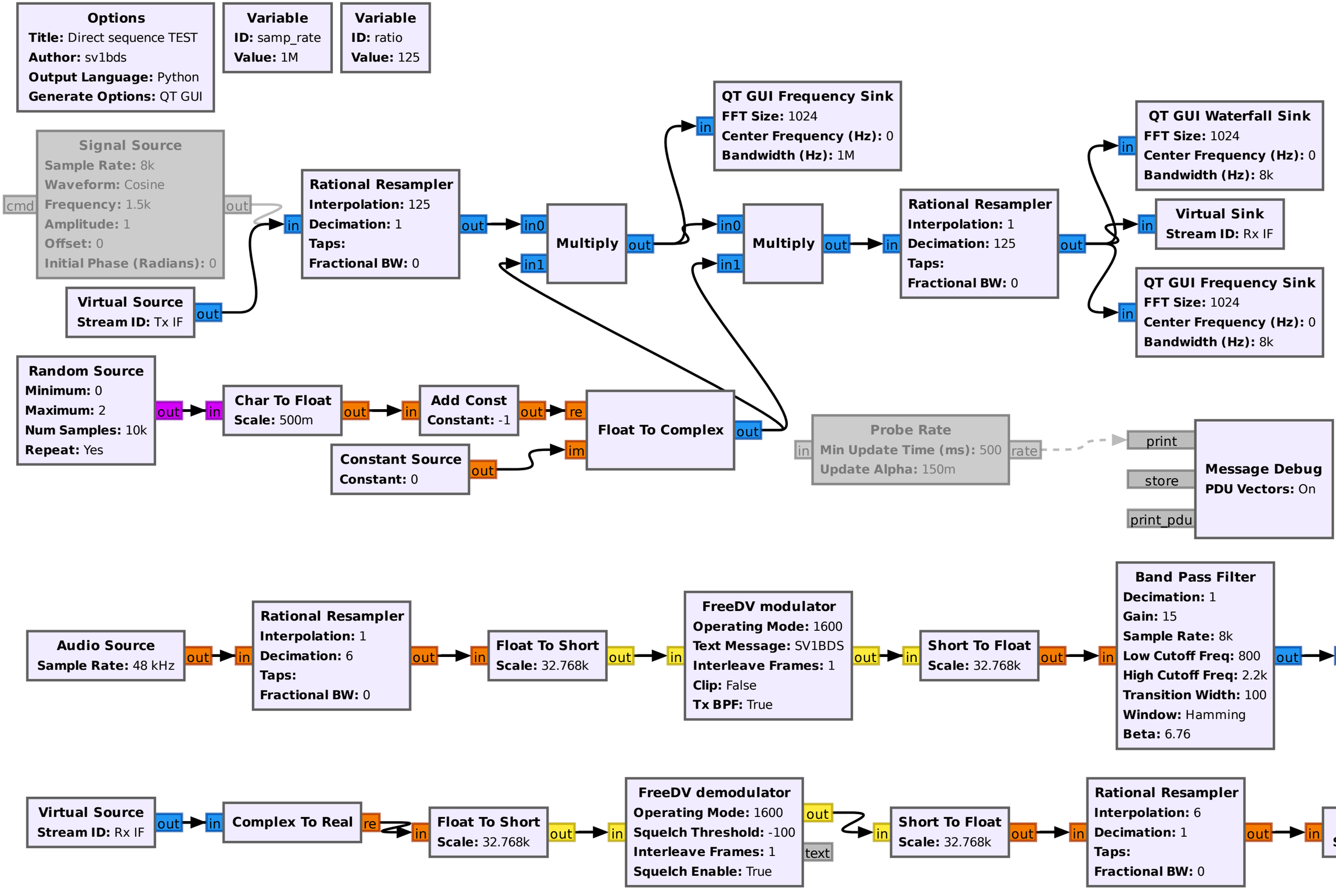
Options
Title: Direct sequence TEST
Author: sv1bds
Output Language: Python
Generate Options: QT GUI
Variable
ID: samp_rate
Value: 1M
Variable
ID: ratio
Value: 125
Signal Source
Sample Rate: 8k
Waveform: Cosine
Frequency: 1.5k
Amplitude: 1
Offset: 0
Initial Phase (Radians): 0
cmd
out
Virtual Source
Stream ID: Tx IF
out
Rational Resampler
Interpolation: 125
Decimation: 1
Taps:
Fractional BW: 0
in
out
in0
in1
Multiply
out
QT GUI Frequency Sink
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 1M
in
in0
in1
Multiply
out
Rational Resampler
Interpolation: 1
Decimation: 125
Taps:
Fractional BW: 0
in
out
QT GUI Waterfall Sink
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 8k
in
Virtual Sink
Stream ID: Rx IF
in
QT GUI Frequency Sink
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 8k
in
Random Source
Minimum: 0
Maximum: 2
Num Samples: 10k
Repeat: Yes
out
in
Char To Float
Scale: 500m
out
in
Add Const
Constant: -1
out
re
Constant Source
Constant: 0
out
im
Float To Complex
out
in
Probe Rate
Min Update Time (ms): 500
Update Alpha: 150m
rate
print
store
print_pdu
Message Debug
PDU Vectors: On
Audio Source
Sample Rate: 48 kHz
out
in
Rational Resampler
Interpolation: 1
Decimation: 6
Taps:
Fractional BW: 0
out
in
Float To Short
Scale: 32.768k
out
in
FreeDV modulator
Operating Mode: 1600
Text Message: SV1BDS
Interleave Frames: 1
Clip: False
Tx BPF: True
out
in
Short To Float
Scale: 32.768k
out
in
Band Pass Filter
Decimation: 1
Gain: 15
Sample Rate: 8k
Low Cutoff Freq: 800
High Cutoff Freq: 2.2k
Transition Width: 100
Window: Hamming
Beta: 6.76
out
in
Virtual Sink
Stream ID: Tx IF
Virtual Source
Stream ID: Rx IF
out
in
Complex To Real
re
in
Float To Short
Scale: 32.768k
out
in
FreeDV demodulator
Operating Mode: 1600
Squelch Threshold: -100
Interleave Frames: 1
Squelch Enable: True
out
text
in
Short To Float
Scale: 32.768k
out
in
Rational Resampler
Interpolation: 6
Decimation: 1
Taps:
Fractional BW: 0
out
in
Audio Sink
Sample Rate: 48 kHz