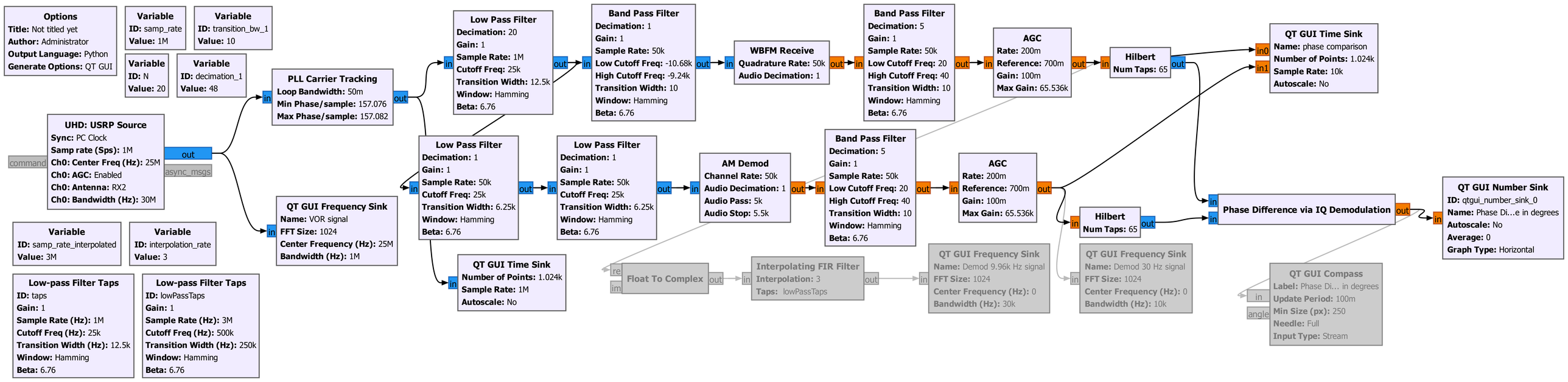
Options
Title: Not titled yet
Author: Administrator
Output Language: Python
Generate Options: QT GUI
Variable
ID: samp_rate
Value: 1M
Variable
ID: transition_bw_1
Value: 10
Variable
ID: N
Value: 20
Variable
ID: decimation_1
Value: 48
UHD: USRP Source
Sync: PC Clock
Samp rate (Sps): 1M
Ch0: Center Freq (Hz): 25M
Ch0: AGC: Enabled
Ch0: Antenna: RX2
Ch0: Bandwidth (Hz): 30M
command
out
async_msgs
PLL Carrier Tracking
Loop Bandwidth: 50m
Min Phase/sample: 157.076
Max Phase/sample: 157.082
Low Pass Filter
Decimation: 20
Gain: 1
Sample Rate: 1M
Cutoff Freq: 25k
Transition Width: 12.5k
Window: Hamming
Beta: 6.76
Band Pass Filter
Decimation: 1
Gain: 1
Sample Rate: 50k
Low Cutoff Freq: -10.68k
High Cutoff Freq: -9.24k
Transition Width: 10
Window: Hamming
Beta: 6.76
WBFM Receive
Quadrature Rate: 50k
Audio Decimation: 1
Band Pass Filter
Decimation: 5
Gain: 1
Sample Rate: 50k
Low Cutoff Freq: 20
High Cutoff Freq: 40
Transition Width: 10
Window: Hamming
Beta: 6.76
AGC
Rate: 200m
Reference: 700m
Gain: 100m
Max Gain: 65.536k
Hilbert
Num Taps: 65
QT GUI Time Sink
Name: phase comparison
Number of Points: 1.024k
Sample Rate: 10k
Autoscale: No
in0
in1
Low Pass Filter
Decimation: 1
Gain: 1
Sample Rate: 50k
Cutoff Freq: 25k
Transition Width: 6.25k
Window: Hamming
Beta: 6.76
Low Pass Filter
Decimation: 1
Gain: 1
Sample Rate: 50k
Cutoff Freq: 25k
Transition Width: 6.25k
Window: Hamming
Beta: 6.76
AM Demod
Channel Rate: 50k
Audio Decimation: 1
Audio Pass: 5k
Audio Stop: 5.5k
Band Pass Filter
Decimation: 5
Gain: 1
Sample Rate: 50k
Low Cutoff Freq: 20
High Cutoff Freq: 40
Transition Width: 10
Window: Hamming
Beta: 6.76
AGC
Rate: 200m
Reference: 700m
Gain: 100m
Max Gain: 65.536k
Hilbert
Num Taps: 65
Phase Difference via IQ Demodulation
QT GUI Number Sink
ID: qtgui_number_sink_0
Name: Phase Di...e in degrees
Autoscale: No
Average: 0
Graph Type: Horizontal
QT GUI Frequency Sink
Name: VOR signal
FFT Size: 1024
Center Frequency (Hz): 25M
Bandwidth (Hz): 1M
QT GUI Time Sink
Number of Points: 1.024k
Sample Rate: 1M
Autoscale: No
Variable
ID: samp_rate_interpolated
Value: 3M
Variable
ID: interpolation_rate
Value: 3
Low-pass Filter Taps
ID: taps
Gain: 1
Sample Rate (Hz): 1M
Cutoff Freq (Hz): 25k
Transition Width (Hz): 12.5k
Window: Hamming
Beta: 6.76
Low-pass Filter Taps
ID: lowPassTaps
Gain: 1
Sample Rate (Hz): 3M
Cutoff Freq (Hz): 500k
Transition Width (Hz): 250k
Window: Hamming
Beta: 6.76
re
im
Float To Complex
Interpolating FIR Filter
Interpolation: 3
Taps: lowPassTaps
QT GUI Frequency Sink
Name: Demod 9.96k Hz signal
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 30k
QT GUI Frequency Sink
Name: Demod 30 Hz signal
FFT Size: 1024
Center Frequency (Hz): 0
Bandwidth (Hz): 10k
QT GUI Compass
Label: Phase Di... in degrees
Update Period: 100m
Min Size (px): 250
Needle: Full
Input Type: Stream
angle