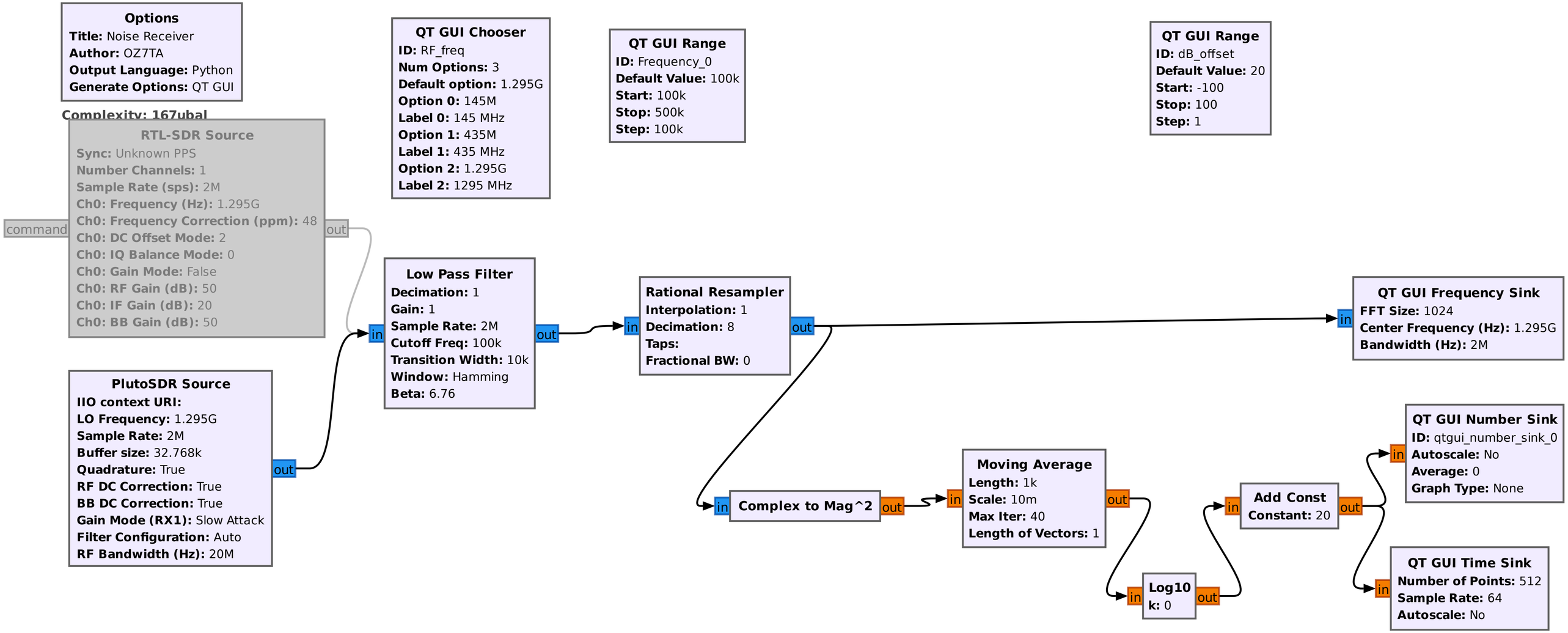
Options
Title: Noise Receiver
Author: OZ7TA
Output Language: Python
Generate Options: QT GUI
Complexity: 167ubal
QT GUI Chooser
ID: RF_freq
Num Options: 3
Default option: 1.295G
Option 0: 145M
Label 0: 145 MHz
Option 1: 435M
Label 1: 435 MHz
Option 2: 1.295G
Label 2: 1295 MHz
QT GUI Range
ID: Frequency_0
Default Value: 100k
Start: 100k
Stop: 500k
Step: 100k
QT GUI Range
ID: dB_offset
Default Value: 20
Start: -100
Stop: 100
Step: 1
RTL-SDR Source
Sync: Unknown PPS
Number Channels: 1
Sample Rate (sps): 2M
Ch0: Frequency (Hz): 1.295G
Ch0: Frequency Correction (ppm): 48
Ch0: DC Offset Mode: 2
Ch0: IQ Balance Mode: 0
Ch0: Gain Mode: False
Ch0: RF Gain (dB): 50
Ch0: IF Gain (dB): 20
Ch0: BB Gain (dB): 50
command
out
PlutoSDR Source
IIO context URI:
LO Frequency: 1.295G
Sample Rate: 2M
Buffer size: 32.768k
Quadrature: True
RF DC Correction: True
BB DC Correction: True
Gain Mode (RX1): Slow Attack
Filter Configuration: Auto
RF Bandwidth (Hz): 20M
out
Low Pass Filter
Decimation: 1
Gain: 1
Sample Rate: 2M
Cutoff Freq: 100k
Transition Width: 10k
Window: Hamming
Beta: 6.76
in
out
Rational Resampler
Interpolation: 1
Decimation: 8
Taps:
Fractional BW: 0
in
out
QT GUI Frequency Sink
FFT Size: 1024
Center Frequency (Hz): 1.295G
Bandwidth (Hz): 2M
in
Complex to Mag^2
in
out
Moving Average
Length: 1k
Scale: 10m
Max Iter: 40
Length of Vectors: 1
in
out
Log10
k: 0
in
out
Add Const
Constant: 20
in
out
QT GUI Number Sink
ID: qtgui_number_sink_0
Autoscale: No
Average: 0
Graph Type: None
in
QT GUI Time Sink
Number of Points: 512
Sample Rate: 64
Autoscale: No
in