Options
Title: SpuR - A...Radio (SDR)
Author: Frate, M.
Description: SpuR ...io (SDR)
Output Language: Python
Generate Options: QT GUI

QT GUI Label
ID: amplitude
Label: Amplitude
Default Value: 0

QT GUI Label
ID: frequency
Label: Frequency
Default Value: 70M

Variable
ID: freqc
Value: 70M

Function Probe
ID: fun_prob
Block ID: probSign
Function Name: level
Poll Rate (Hz): 100

Python Module
ID: python_mod

Variable
ID: samp_rate
Value: 25M

Signal Source
Sample Rate: 25M
Waveform: Constant
Frequency: 1m
Amplitude: 6
Offset: 0
Initial Phase (Radians): 0

cmd

Hilbert
Num Taps: 64

in / out

PlutoSDR Sink
IIO context URI: ip:...68.2.1
LO Frequency: 70M
Sample Rate: 520.834k
Buffer size: 32.768k
Cyclic: True
Attenuation TX1 (dB): 10
Filter Configuration: Auto
RF Bandwidth (Hz): 20M

in

QT GUI Time Sink
Number of Points: 1.024k
Sample Rate: 25M
Autoscale: No

PlutoSDR Source
IIO context URI: ip:...68.2.1
LO Frequency: 70M
Sample Rate: 520.834k
Buffer size: 32.768k
Quadrature: False
RF DC Correction: False
BB DC Correction: False
Gain Mode (RX1): Manual
Manual Gain (RX1)(dB): 10
Filter Configuration: Auto
RF Bandwidth (Hz): 20M

out

in **Complex to Mag^2** out

Moving Average
Length: 500k
Scale: 2u
Max Iter: 4k
Length of Vectors: 1

in / out

in **Multiply Const**
Constant: 1 out

in **Log10**
k: 0 out

in **Probe Signal**
ID: probSign

QT GUI Time Sink
Number of Points: 1.024k
Sample Rate: 25M
Autoscale: No

in