

Options

Title: Signal C...rum Display

Author: muaddib

Output Language: Python

Generate Options: No GUI

Run Options: Run to Completion

Note

Note:

-
COMMAND LINE PARAMETERS
WHEN WE USE PARAMETER BLOCKS
THE GENERATED PYTHON WILL
NOW HAVE A --help/-h menu

Parameter

ID: samp_rate

Label: sample rate

Type: Float

Value: 2.88M

Short ID: s

Parameter

ID: fft_size

Label: fft size

Type: Int

Value: 8.192k

Short ID: n

Parameter

ID: frame_rate

Label: frame rate

Type: Int

Value: 30

Short ID: r

Parameter

ID: frequency

Label: frequency

Type: Float

Value: 100M

Short ID: f

Parameter

ID: gain

Label: gain

Type: Float

Value: 40

Short ID: g

XMLRPC Server

Address: localhost

Port: 8.001k

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Python Snippet

Section of Flowgraph: Main - After Init

Priority: 1

Code Snippet: self...p_vars")

Import

Import: json

Import

Import: argparse

Python Snippet

Section of Flowgraph: Main - After Start

Priority: 1

Code Snippet: self...server")

Import

Import: np

Import

Import: WSGIServer

Python Snippet

Section of Flowgraph: Main - After Init

Priority: 1

Code Snippet: @sel...oot='.')

Import

Import: WebSocketError

Import

Import: WebSocketHandler

Import

Import: request...static_file

Import

Import: pprint

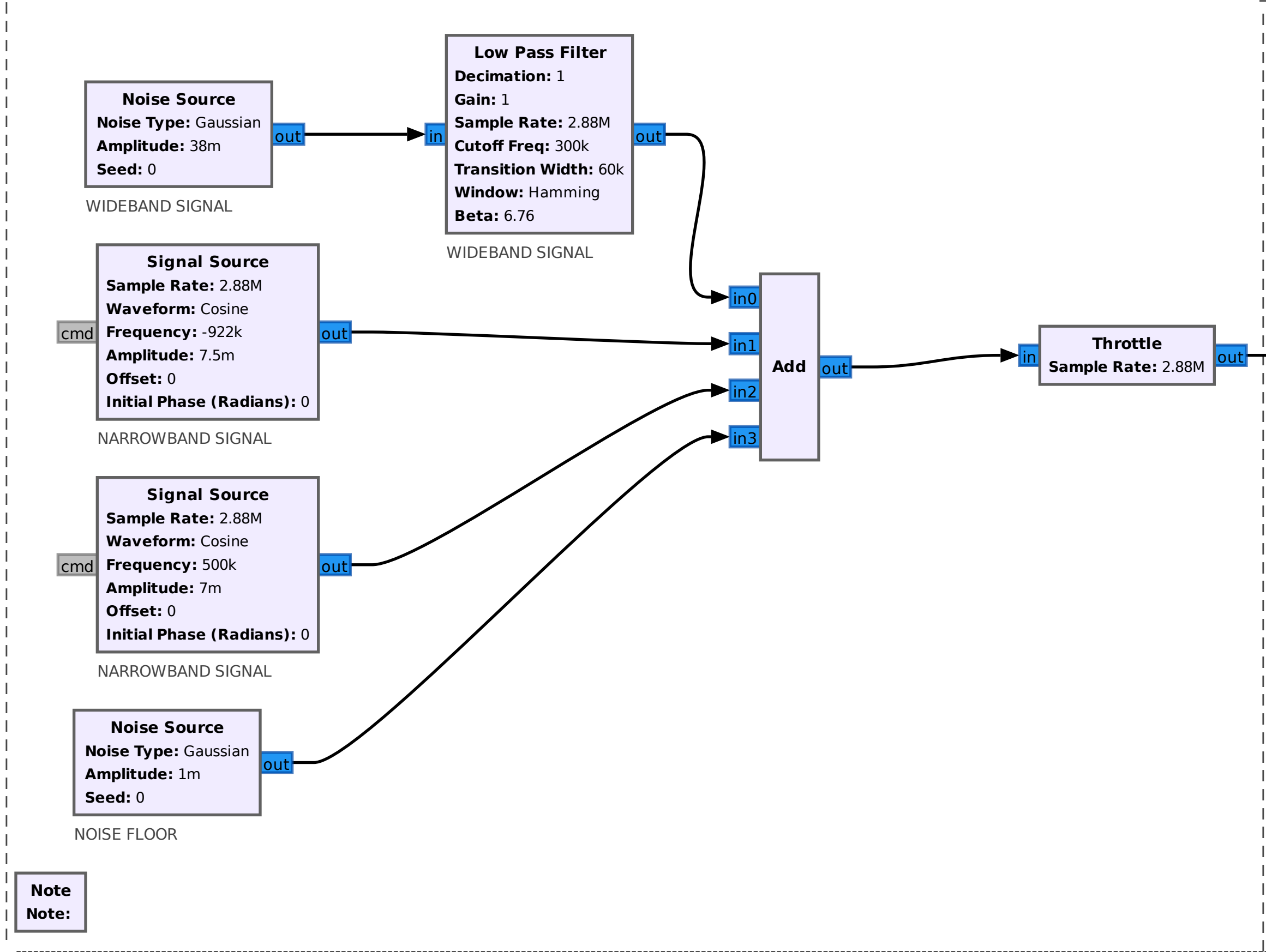
Note

Note:

TRIED TO IMPORT THE BOTTLE SERVER PORTION
AND BRING IN THE NON-GNURADIO CODE USING
PYTHON SNIPPETS AS A PROOF OF CONCEPT
NOT INTENDED FOR THE FINAL CODE
(ALSO DOESN'T WORK I DONT THINK)

Note

Note:



FAKE MULTI CARRIER SIGNAL
NOISE FLOOR ACCROSS SPECTRUM
2 NARROWBAND CARRIERS
AND 1 WIDEBAND CARRIER
(NO RADIO REQUIRED)

RADIO SOURCE (DISABLE THE
FAKE SIGNAL IF YOU'RE GONNA USE THIS)

Soapy RTLSDR Source

Sample Rate: 2.88M

Center Freq (Hz): 100M