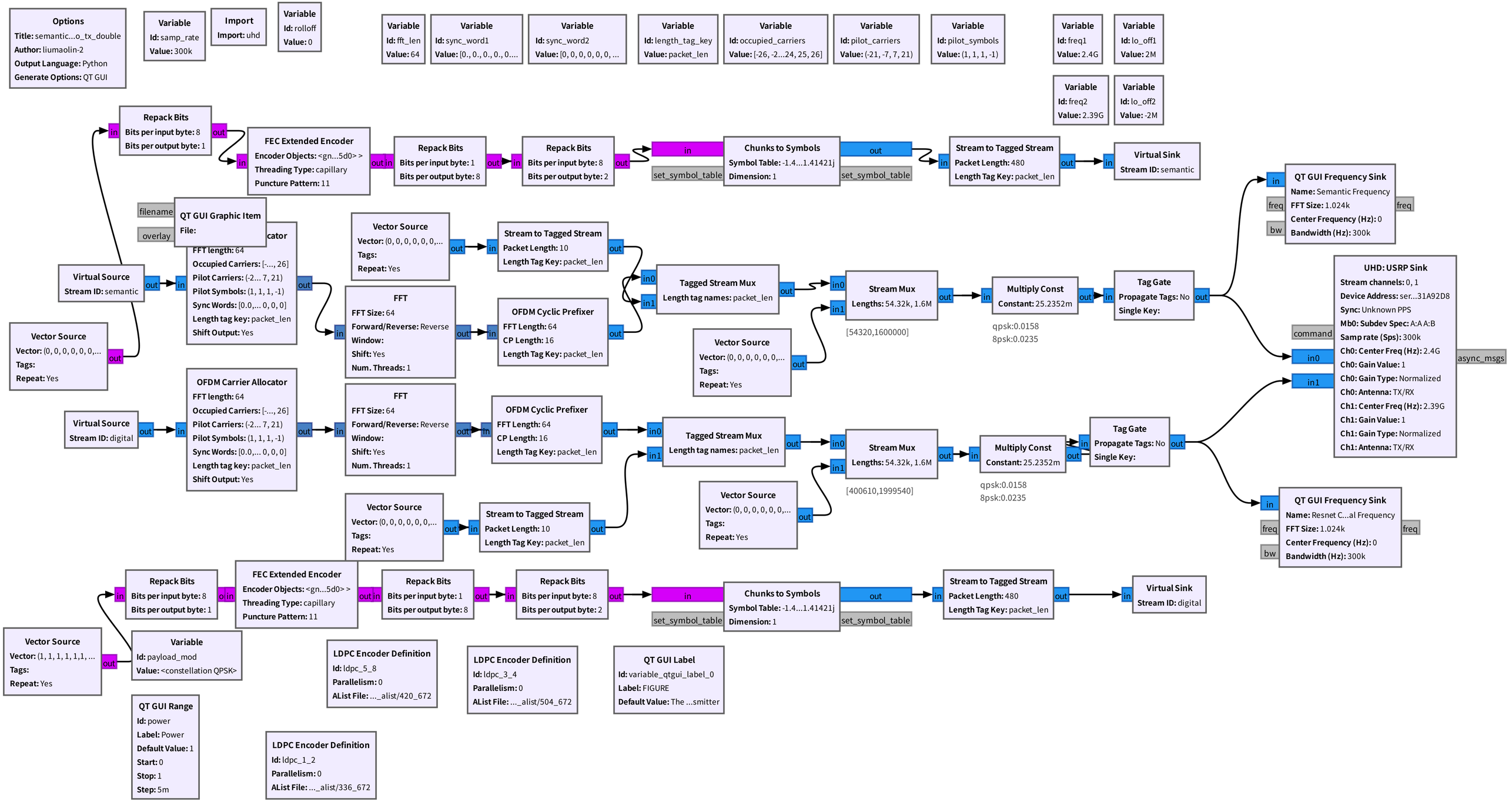
Options
Title: semantic...o_tx_double
Author: liumaolin-2
Output Language: Python
Generate Options: QT GUI
Variable
Id: samp_rate
Value: 300k
Import
Import: uhd
Variable
Id: rolloff
Value: 0
Variable
Id: fft_len
Value: 64
Variable
Id: sync_word1
Value: [0., 0., 0., 0., 0....
Variable
Id: sync_word2
Value: [0, 0, 0, 0, 0, 0, ...
Variable
Id: length_tag_key
Value: packet_len
Variable
Id: occupied_carriers
Value: [-26, -2...24, 25, 26]
Variable
Id: pilot_carriers
Value: (-21, -7, 7, 21)
Variable
Id: pilot_symbols
Value: (1, 1, 1, -1)
Variable
Id: freq1
Value: 2.4G
Variable
Id: lo_off1
Value: 2M
Variable
Id: freq2
Value: 2.39G
Variable
Id: lo_off2
Value: -2M
Repack Bits
Bits per input byte: 8
Bits per output byte: 1
FEC Extended Encoder
Encoder Objects: <gn...5d0> >
Threading Type: capillary
Puncture Pattern: 11
Repack Bits
Bits per input byte: 1
Bits per output byte: 8
Repack Bits
Bits per input byte: 8
Bits per output byte: 2
Chunks to Symbols
Symbol Table: -1.4...1.41421j
Dimension: 1
Stream to Tagged Stream
Packet Length: 480
Length Tag Key: packet_len
Virtual Sink
Stream ID: semantic
QT GUI Frequency Sink
Name: Semantic Frequency
FFT Size: 1.024k
Center Frequency (Hz): 0
Bandwidth (Hz): 300k
QT GUI Graphic Item
File:
filename
overlay
Virtual Source
Stream ID: semantic
Vector Source
Vector: (0, 0, 0, 0, 0, 0,...
Tags:
Repeat: Yes
OFDM Carrier Allocator
FFT length: 64
Occupied Carriers: [-..., 26]
Pilot Carriers: (-2... 7, 21)
Pilot Symbols: (1, 1, 1, -1)
Sync Words: [0.0,... 0, 0, 0]
Length tag key: packet_len
Shift Output: Yes
Vector Source
Vector: (0, 0, 0, 0, 0, 0,...
Tags:
Repeat: Yes
Stream to Tagged Stream
Packet Length: 10
Length Tag Key: packet_len
FFT
FFT Size: 64
Forward/Reverse: Reverse
Window:
Shift: Yes
Num. Threads: 1
OFDM Cyclic Prefixer
FFT Length: 64
CP Length: 16
Length Tag Key: packet_len
Tagged Stream Mux
Length tag names: packet_len
Stream Mux
Lengths: 54.32k, 1.6M
[54320,1600000]
Multiply Const
Constant: 25.2352m
qpsk:0.0158
8psk:0.0235
Tag Gate
Propagate Tags: No
Single Key:
UHD: USRP Sink
Stream channels: 0, 1
Device Address: ser...31A92D8
Sync: Unknown PPS
Mb0: Subdev Spec: A:A A:B
Samp rate (Sps): 300k
Ch0: Center Freq (Hz): 2.4G
Ch0: Gain Value: 1
Ch0: Gain Type: Normalized
Ch0: Antenna: TX/RX
Ch1: Center Freq (Hz): 2.39G
Ch1: Gain Value: 1
Ch1: Gain Type: Normalized
Ch1: Antenna: TX/RX
async_msgs
Virtual Source
Stream ID: digital
Vector Source
Vector: (1, 1, 1, 1, 1,1, ...
Tags:
Repeat: Yes
Variable
Id: payload_mod
Value: <constellation QPSK>
QT GUI Range
Id: power
Label: Power
Default Value: 1
Start: 0
Stop: 1
Step: 5m
LDPC Encoder Definition
Id: ldpc_5_8
Parallelism: 0
AList File: ..._alist/420_672
LDPC Encoder Definition
Id: ldpc_3_4
Parallelism: 0
AList File: ..._alist/504_672
LDPC Encoder Definition
Id: ldpc_1_2
Parallelism: 0
AList File: ..._alist/336_672
QT GUI Label
Id: variable_qtgui_label_0
Label: FIGURE
Default Value: The ...smitter