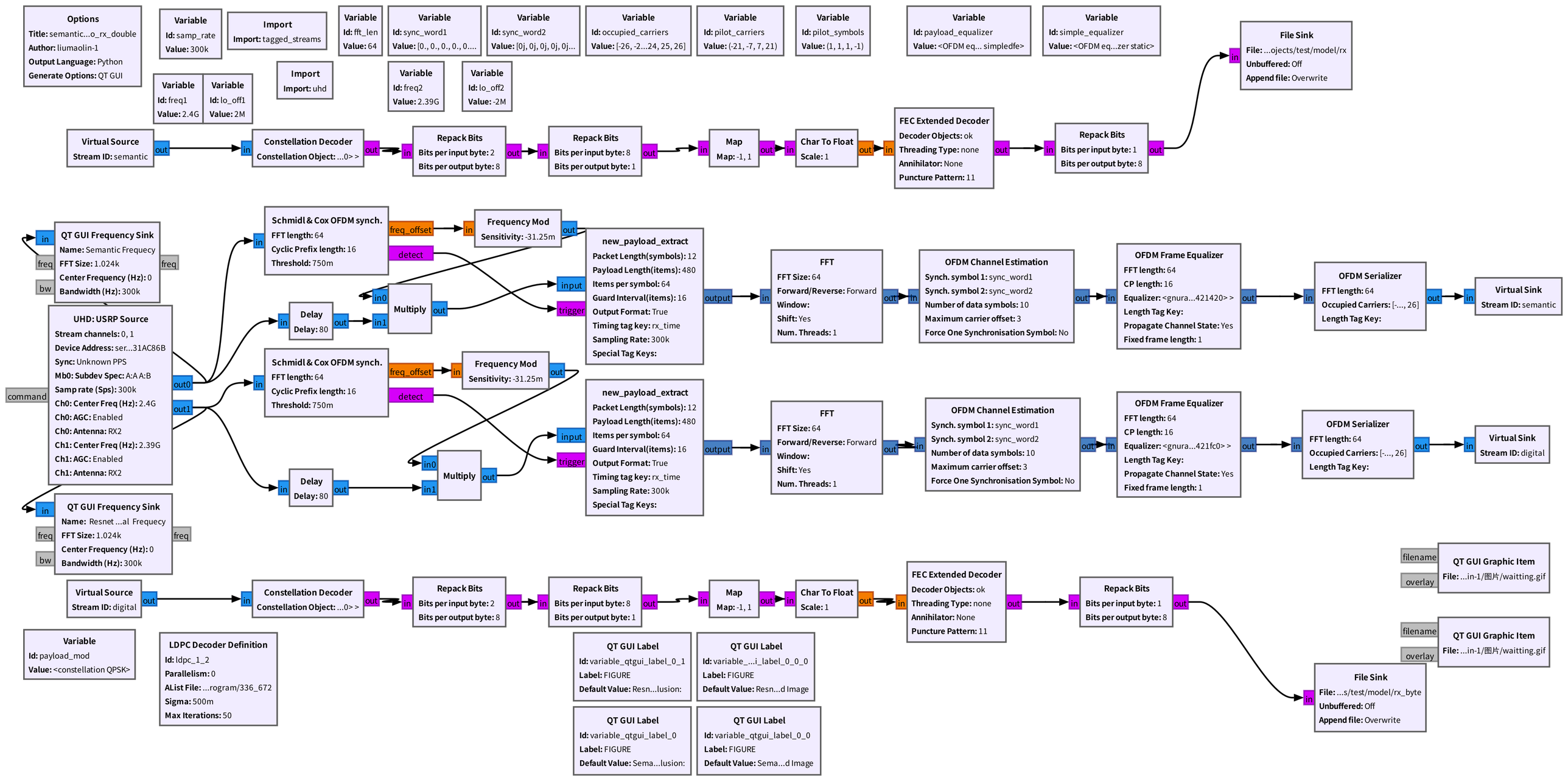
Options
Title: semantic...o_rx_double
Author: liumaolin-1
Output Language: Python
Generate Options: QT GUI
Variable
Id: samp_rate
Value: 300k
Import
Import: tagged_streams
Variable
Id: fft_len
Value: 64
Variable
Id: sync_word1
Value: [0., 0., 0., 0., 0....
Variable
Id: sync_word2
Value: [0j, 0j, 0j, 0j, 0j...
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: payload_equalizer
Value: <OFDM eq... simpledfe>
Variable
Id: simple_equalizer
Value: <OFDM eq...zer static>
Variable
Id: freq1
Value: 2.4G
Variable
Id: lo_off1
Value: 2M
Import
Import: uhd
Variable
Id: freq2
Value: 2.39G
Variable
Id: lo_off2
Value: -2M
File Sink
File: ...ojects/test/model/rx
Unbuffered: Off
Append file: Overwrite
Virtual Source
Stream ID: semantic
Constellation Decoder
Constellation Object: ...0> >
Repack Bits
Bits per input byte: 2
Bits per output byte: 8
Repack Bits
Bits per input byte: 8
Bits per output byte: 1
Map
Map: -1, 1
Char To Float
Scale: 1
FEC Extended Decoder
Decoder Objects: ok
Threading Type: none
Annihilator: None
Puncture Pattern: 11
Repack Bits
Bits per input byte: 1
Bits per output byte: 8
QT GUI Frequency Sink
Name: Semantic Frequecy
FFT Size: 1.024k
Center Frequency (Hz): 0
Bandwidth (Hz): 300k
Schmidl & Cox OFDM synch.
FFT length: 64
Cyclic Prefix length: 16
Threshold: 750m
Frequency Mod
Sensitivity: -31.25m
new_payload_extract
Packet Length(symbols): 12
Payload Length(items): 480
Items per symbol: 64
Guard Interval(items): 16
Output Format: True
Timing tag key: rx_time
Sampling Rate: 300k
Special Tag Keys:
FFT
FFT Size: 64
Forward/Reverse: Forward
Window:
Shift: Yes
Num. Threads: 1
OFDM Channel Estimation
Synch. symbol 1: sync_word1
Synch. symbol 2: sync_word2
Number of data symbols: 10
Maximum carrier offset: 3
Force One Synchronisation Symbol: No
OFDM Frame Equalizer
FFT length: 64
CP length: 16
Equalizer: <gnura...421420> >
Length Tag Key:
Propagate Channel State: Yes
Fixed frame length: 1
OFDM Serializer
FFT length: 64
Occupied Carriers: [-..., 26]
Length Tag Key:
Virtual Sink
Stream ID: semantic
Delay
Delay: 80
Multiply
UHD: USRP Source
Stream channels: 0, 1
Device Address: ser...31AC86B
Sync: Unknown PPS
Mb0: Subdev Spec: A:A A:B
Samp rate (Sps): 300k
Ch0: Center Freq (Hz): 2.4G
Ch0: AGC: Enabled
Ch0: Antenna: RX2
Ch1: Center Freq (Hz): 2.39G
Ch1: AGC: Enabled
Ch1: Antenna: RX2
command
QT GUI Frequency Sink
Name: Resnet ...al Frequecy
FFT Size: 1.024k
Center Frequency (Hz): 0
Bandwidth (Hz): 300k
Virtual Source
Stream ID: digital
Variable
Id: payload_mod
Value: <constellation QPSK>
LDPC Decoder Definition
Id: ldpc_1_2
Parallelism: 0
AList File: ...rogram/336_672
Sigma: 500m
Max Iterations: 50
QT GUI Label
Id: variable_qtgui_label_0_1
Label: FIGURE
Default Value: Resn...lusion:
QT GUI Label
Id: variable_...i_label_0_0_0
Label: FIGURE
Default Value: Resn...d Image
QT GUI Label
Id: variable_qtgui_label_0
Label: FIGURE
Default Value: Sema...lusion:
QT GUI Label
Id: variable_qtgui_label_0_0
Label: FIGURE
Default Value: Sema...d Image
QT GUI Graphic Item
File: ...in-1/图片/waitting.gif
QT GUI Graphic Item
File: ...in-1/图片/waitting.gif
File Sink
File: ...s/test/model/rx_byte
Unbuffered: Off
Append file: Overwrite