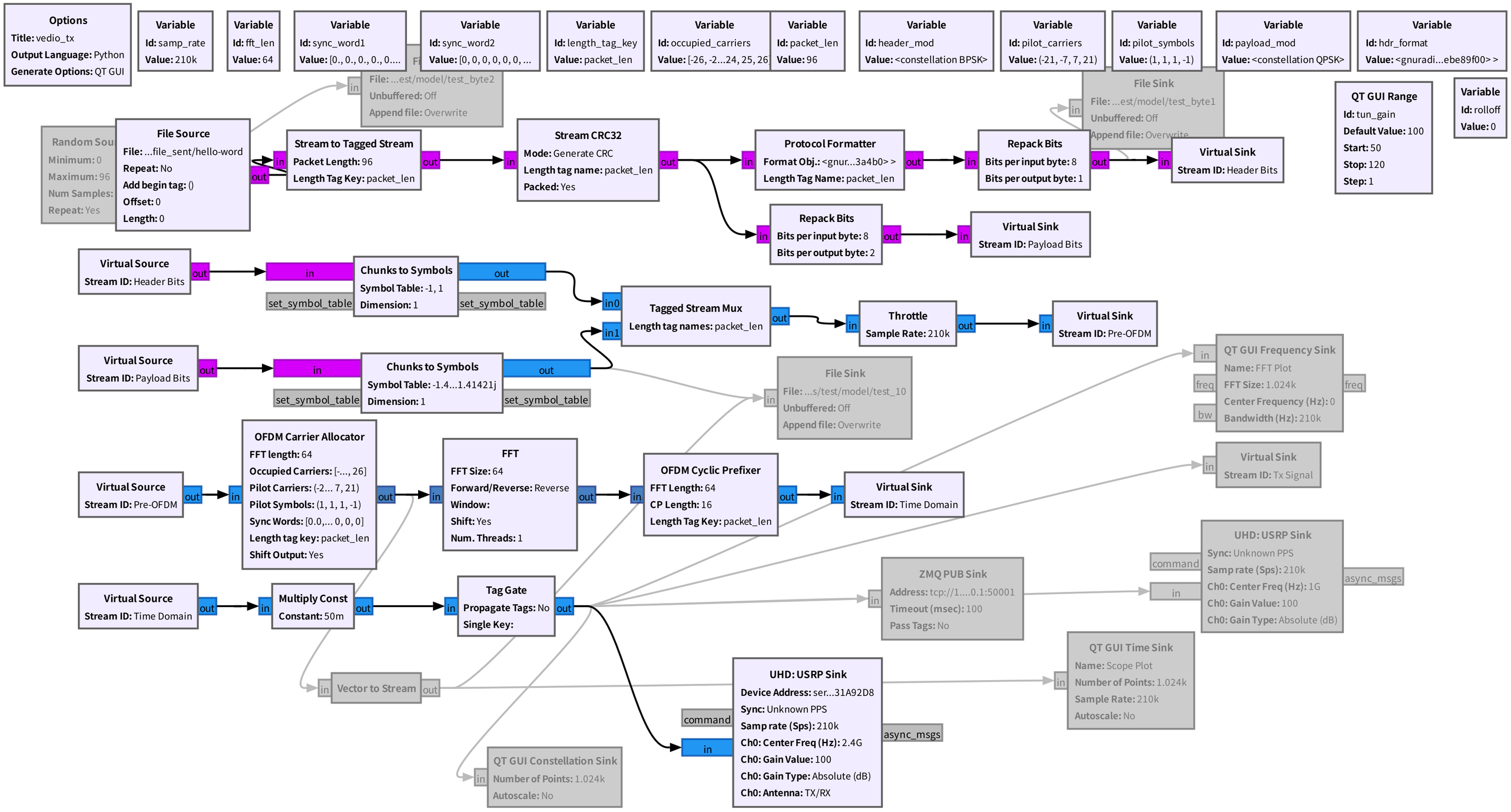
Options
Title: vedio_tx
Output Language: Python
Generate Options: QT GUI
Variable
Id: samp_rate
Value: 210k
Variable
Id: fft_len
Value: 64
Variable
Id: sync_word1
Value: [0., 0., 0., 0., 0....
Variable
Id: sync_word2
Value: [0, 0, 0, 0, 0, 0, ...
Variable
Id: length_tag_key
Value: packet_len
Variable
Id: occupied_carriers
Value: [-26, -2...24, 25, 26]
Variable
Id: packet_len
Value: 96
Variable
Id: header_mod
Value: <constellation BPSK>
Variable
Id: pilot_carriers
Value: (-21, -7, 7, 21)
Variable
Id: pilot_symbols
Value: (1, 1, 1, -1)
Variable
Id: payload_mod
Value: <constellation QPSK>
Variable
Id: hdr_format
Value: <gnuradi...ebe89f00> >
Variable
Id: rolloff
Value: 0
QT GUI Range
Id: tun_gain
Default Value: 100
Start: 50
Stop: 120
Step: 1
File Sink
File: ...est/model/test_byte2
Unbuffered: Off
Append file: Overwrite
File Sink
File: ...est/model/test_byte1
Unbuffered: Off
Append file: Overwrite
Random Sou
Minimum: 0
Maximum: 96
Num Samples:
Repeat: Yes
File Source
File: ...file_sent/hello-word
Repeat: No
Add begin tag: ()
Offset: 0
Length: 0
Stream to Tagged Stream
Packet Length: 96
Length Tag Key: packet_len
Stream CRC32
Mode: Generate CRC
Length tag name: packet_len
Packed: Yes
Protocol Formatter
Format Obj.: <gnur...3a4b0> >
Length Tag Name: packet_len
Repack Bits
Bits per input byte: 8
Bits per output byte: 1
Virtual Sink
Stream ID: Header Bits
Repack Bits
Bits per input byte: 8
Bits per output byte: 2
Virtual Sink
Stream ID: Payload Bits
Virtual Source
Stream ID: Header Bits
Chunks to Symbols
Symbol Table: -1, 1
Dimension: 1
set_symbol_table
set_symbol_table
Tagged Stream Mux
Length tag names: packet_len
Throttle
Sample Rate: 210k
Virtual Sink
Stream ID: Pre-OFDM
Virtual Source
Stream ID: Payload Bits
Chunks to Symbols
Symbol Table: -1.4...1.41421j
Dimension: 1
set_symbol_table
set_symbol_table
File Sink
File: ...s/test/model/test_10
Unbuffered: Off
Append file: Overwrite
QT GUI Frequency Sink
Name: FFT Plot
FFT Size: 1.024k
Center Frequency (Hz): 0
Bandwidth (Hz): 210k
freq
bw
Virtual Source
Stream ID: Pre-OFDM
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
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
Virtual Sink
Stream ID: Time Domain
Virtual Sink
Stream ID: Tx Signal
UHD: USRP Sink
Sync: Unknown PPS
Samp rate (Sps): 210k
Ch0: Center Freq (Hz): 1G
Ch0: Gain Value: 100
Ch0: Gain Type: Absolute (dB)
command
async_msgs
ZMQ PUB Sink
Address: tcp://1....0.1:50001
Timeout (msec): 100
Pass Tags: No
Virtual Source
Stream ID: Time Domain
Multiply Const
Constant: 50m
Tag Gate
Propagate Tags: No
Single Key:
Vector to Stream
QT GUI Time Sink
Name: Scope Plot
Number of Points: 1.024k
Sample Rate: 210k
Autoscale: No
UHD: USRP Sink
Device Address: ser...31A92D8
Sync: Unknown PPS
Samp rate (Sps): 210k
Ch0: Center Freq (Hz): 2.4G
Ch0: Gain Value: 100
Ch0: Gain Type: Absolute (dB)
Ch0: Antenna: TX/RX
command
async_msgs
QT GUI Constellation Sink
Number of Points: 1.024k
Autoscale: No