

Options

ID: AM_TX_CAMI
Title: AM_transmisior
Author: Camila Vinza
Copyright: 2023
Description: AM_TX_Tutorial
Output Language: Python
Generate Options: QT GUI

Variable

ID: samp_rate
Value: 768k

QT GUI Range

ID: volume
Label: Audio gain
Default Value: 1
Start: 0
Stop: 10
Step: 100m

Wav File Source

ID: blocks_wavfile_source_0
File: ...d60 (mp3cut.net).wav
Repeat: Yes

Repeat

ID: blocks_repeat_0
Interpolation: 16

Multiply Const

ID: blocks_mu...y_const_vxx_0
Constant: 5

Signal Source

ID: analog_sig_source_x_0
Sample Rate: 768k
Waveform: Cosine
Frequency: 48k
Amplitude: 200m
Offset: 0
Initial Phase (Radians): 0

QT GUI Time Sink

ID: qtgui_time_sink_x_0
Number of Points: 4.096k
Sample Rate: 768k
Autoscale: No

Add Const

ID: blocks_add_const_vxx_0
Constant: 1

Multiply

ID: blocks_multiply_xx_0

Virtual Sink

ID: virtual_sink_0
Stream ID: vs0

Variable

ID: decim
Value: 16

Virtual Source

ID: virtual_source_0
Stream ID: vs0

Frequency Xlating FIR Filter

ID: freq_xlat..._filter_xxx_0
Decimation: 16
Taps: firdes.low_pass(1,sa...
Center Frequency: 48k
Sample Rate: 768k

AGC

ID: analog_agc_xx_0
Rate: 625u
Reference: 1
Gain: 1
Max Gain: 65.536k

Complex to Mag

ID: blocks_complex_to_mag_0

Band Pass Filter

ID: band_pass_filter_0
Decimation: 1
Gain: 1
Sample Rate: 48k
Low Cutoff Freq: 500
High Cutoff Freq: 6k
Transition Width: 400
Window: Hamming
Beta: 6.76

QT GUI Time Sink

ID: qtgui_time_sink_x_1
Number of Points: 1.024k
Sample Rate: 48k
Autoscale: No

Audio Sink

ID: audio_sink_0
Sample Rate: 22.05 kHz

Multiply Const

ID: blocks_mu...y_const_vxx_1
Constant: 1