

Options

Title: Not titled yet
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Output Language: Python
Generate Options: QT GUI

QT GUI Tab Widget

ID: tab
Num Tabs: 2
Label 0: RF full span
Label 1: RF on CW

Variable

ID: filename
Value: ./LOS_2048_Sam.txt

Variable

ID: samp_rate_0
Value: 32k

Variable

ID: rx_rate
Value: 1.28M

Variable

ID: fft_size
Value: 2.048k

Variable

ID: f_RF
Value: 4.79949G

Variable

ID: delta_f
Value: 512k

Variable

ID: f_Tune
Value: 4.8G

Variable

ID: decim_fact
Value: 4

UHD: USRP Source

Sync: PC Clock
Samp rate (Sps): 1.28M
Ch0: Center Freq (Hz): ...49G
Ch0: AGC: Default
Ch0: Gain Value: 0
Ch0: Antenna: RX2

osmocom Source

Device Arguments: hackrf
Sync: Unknown PPS
Number Channels: 1
Sample Rate (sps): 1.28M
Ch0: Frequency (Hz): 4.79949G
Ch0: Frequency Correction (ppm): 0
Ch0: DC Offset Mode: 0
Ch0: IQ Balance Mode: 0
Ch0: Gain Mode: False
Ch0: RF Gain (dB): 0
Ch0: IF Gain (dB): 0
Ch0: BB Gain (dB): 0

Signal Source

Sample Rate: 1.28M
Waveform: Cosine
Frequency: -512k
Amplitude: 1
Offset: 0
Initial Phase (Radians): 0

Low Pass Filter

Decimation: 4
Gain: 1
Sample Rate: 1.28M
Cutoff Freq: 256k
Transition Width: 51.2k
Window: Hamming
Beta: 6.76

Stream to Vector

FFT

FFT Size: 2.048k
Forward/Reverse: Forward
Window: window.blackmanhar...
Shift: Yes
Num. Threads: 1

Fast Multiply Const

Constant: 488.281u
Vector Length: 2.048k

Complex to Mag^2

Vector Length: 2.048k

Log10

n: 10
k: 0
Vector Length: 2.048k

Max

Input Vector Length: 2.048k
Output Vector Length: 1

QT GUI Number Sink

ID: qtgui_number_sink_0
Autoscale: No
Average: 0
Graph Type: None

File Sink

File: filename
Unbuffered: Off
Append file: Overwrite

QT GUI Vector Sink

Vector Size: 2.048k
X-Axis Start Value: 4.79984G
X-Axis Step Value: 156.25
X-Axis Label: frequency
Y-Axis Label: level
Ref Level: 0

command

command

cmd