



cooperative_sensing_soft_decision x usrp_spectrum_sensing x rtl_sdr_spectrum_sensing x

Options
ID: spectrum_sensing
Title: DTV Spectrum Sensing
Author: Gill
Description: Frequency Spaces
Generate Options: QT GUI

Variable
ID: freq
Value: 450M

Variable
ID: samp_rate
Value: 2M

Variable
ID: N
Value: 1k

Import
Import: np

Variable
ID: bins
Value: 1k

RTL-SDR Source
Mb0: Time Source: External
Sample Rate (sps): 2M
Ch0: Frequency (Hz): 450M
Ch0: Freq. Corr. (ppm): 0
Ch0: DC Offset Mode: Automatic
Ch0: IQ Balance Mode: Off
Ch0: Gain Mode: Automatic
Ch0: RF Gain (dB): 15
Ch0: IF Gain (dB): 15
Ch0: BB Gain (dB): 15

Stream to Vector
Num Items: 1.024k

FFT
FFT Size: 1.024k
Forward/Reverse: Forward
Window: window.blackmanhar...
Shift: Yes
Num. Threads: 1

Complex to Mag²
Vec Length: 1.024k

Vector to Stream
Num Items: 1.024k

Moving Average
Length: 1.024k
Scale: 1
Max Iter: 4k

QT GUI Frequency Sink
Name: Spectrum Sensing
FFT Size: 1.024k
Center Frequency (Hz): 0
Bandwidth (Hz): 2M

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