Options
Title: LoRa Rec...UDP RTL-SDR
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Description: LoRa ... RTL-SDR
Output Language: Python
Generate Options: QT GUI

Variable
ID: samp_rate
Value: 2M

QT GUI Range
ID: freq_slider
Label: Frequency
Default Value: 868M
Start: 867M
Stop: 869M
Step: 1

QT GUI Entry
ID: channel_freq
Label: Channel frequency
Default Value: 868M

osmocom Source
Sync: Unknown PPS
Number Channels: 1
Sample Rate (sps): 2M
Ch0: Frequency (Hz): 868M
Ch0: Frequency Correction (ppm): 0
Ch0: DC Offset Mode: 0
Ch0: IQ Balance Mode: 0
Ch0: Gain Mode: False
Ch0: RF Gain (dB): 10
Ch0: IF Gain (dB): 20
Ch0: BB Gain (dB): 20
command
out

Soapy RTLSDR Source
Sample Rate: 2M
Center Freq (Hz): 868M
cmd
out

QT GUI Waterfall Sink
FFT Size: 1024
Center Frequency (Hz): 868M
Bandwidth (Hz): 2M
in

QT GUI Frequency Sink
FFT Size: 1024
Center Frequency (Hz): 868M
Bandwidth (Hz): 2M
in

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: -100k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: -300k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: -500k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: -900k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: -700k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: 100k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: 300k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: 500k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: 700k
samp_rate: 2M
in
out

Recenter Lora Channels
cutoff: 150k
decim: 4
htd_offset: 900k
samp_rate: 2M
in
out

Add
in0
in1
in2
in3
in4
in5
in6
in7
in8
in9
out

LoRa Rx
Input sampling rate: 500k
Bandwidth: 125k
Spreading factor: 7
Implicit header: No
Use soft-decision decoding: Yes
LDRO: Auto
Print info: Header & Payload
in
out
out

LoRa Rx
Input sampling rate: 500k
Bandwidth: 125k
Spreading factor: 8
Implicit header: No
Use soft-decision decoding: Yes
LDRO: Auto
Print info: Header & Payload
in
out
out

LoRa Rx
Input sampling rate: 500k
Bandwidth: 125k
Spreading factor: 9
Implicit header: No
Use soft-decision decoding: Yes
LDRO: Enable
Print info: Header & Payload
in
out
out

LoRa Rx
Input sampling rate: 500k
Bandwidth: 125k
Spreading factor: 10
Implicit header: No
Use soft-decision decoding: Yes
LDRO: Enable
Print info: Header & Payload
in
out
out

LoRa Rx
Input sampling rate: 500k
Bandwidth: 125k
Spreading factor: 11
Implicit header: No
Use soft-decision decoding: Yes
LDRO: Enable
Print info: Header & Payload
in
out
out

LoRa Rx
Input sampling rate: 500k
Bandwidth: 125k
Spreading factor: 12
Implicit header: No
Use soft-decision decoding: Yes
LDRO: Enable
Print info: Header & Payload
in
out
out

UDP Raw Sender
Ip: 127.0.0.1
Port: 40.868k
msg_in