ID: rx\_gain Output Language: Python **ID:** rx\_samp\_rate **ID:** samp\_rate ID: squelch\_threshold ID: tx\_samp\_rate **ID:** baud\_rate ID: samp\_per\_sym **ID:** fsk\_deviation\_hz **ID:** freq ID: packet\_len Generate Options: QT GUI Value: 8M Value: 1M **Value:** -55 Value: 8M Value: 50k Value: 10 **Value:** 20 Value: 100k **Value:** 868.46M Value: 18 **Soapy Source Low Pass Filter QT GUI Waterfall Sink Device Type:** lime **Decimation:** 8 Name: RX Sample Rate: 8M **FFT Size:** 1.024k Gain: 1 Ch0: Center Freq (Hz): ...46M Sample Rate: 8M Center Frequency (Hz): ...46M Ch0: Overall Gain Value: 0 Cutoff Freq: 200k Bandwidth (Hz): 1M Ch0: Automatic DC Removal: True **Transition Width:** 10k Ch0: DC Offset: 0 Window: Hamming **Power Squelch Ch0: Frequency Correction:** 0 **Beta:** 6.76 Threshold (dB): -55 Virtual Sink **Ch0: IQ Balance Correction:** 0 Alpha: 900m Stream ID: RX Ramp: 0 **Low Pass Filter** Gate: No **Decimation:** 1 Gain: 1**Virtual Sink Virtual Source Quadrature Demod** Sample Rate: 1M Stream ID: RX **Gain:** 1.59236 Cutoff Freq: 50k Stream ID: demod **Transition Width: 50k** Window: Hamming **Beta:** 6.76 **Socket PDU** Sync and create packed PDU Symbol Sync Type: UDP Client Packet length (bytes): 18 **Binary Slicer Host:** 127.0.0.1 Timing Error Detector: Mueller and Müller Syncword: 101010...1011101101 **Port:** 7000 Samples per Symbol: 20 Syncword threshold: 1 Expected TED Gain: 500m **MTU:** 18 **Virtual Source** Loop Bandwidth: 45m Stream ID: demod Damping Factor: 1 **Maximum Deviation:** 1.5 Output Samples/Symbol: 1 Interpolating Resampler: MMSE, 8 tap FIR **Socket PDU** Type: UDP Server **Unpack K Bits Virtual Sink PDU to Tagged Stream** Repeat **Multiply Const** Add Const **UChar To Float Host:** 127.0.0.1 Length tag name: packet len **Interpolation: 20** Constant: 2 Constant: -1 Stream ID: TXdata **K:** 8 **Port:** 7001 **MTU:** 24 **Band Pass Filter Decimation:** 1 **Rational Resampler** Gain: 1 **Soapy Sink** VCO (complex) Sample Rate: 1M Interpolation: 8M **Device Type:** lime **Virtual Source** Sample Rate: 1M **Low Cutoff Freq:** 80k **Decimation:** 1M Args: Sensitivity: 628k Stream ID: TXdata High Cutoff Freq: 120k Taps: Sampling Rate: 8M Amplitude: 700m **Transition Width: 20k** Fractional BW: 0 Length tag name: Window: Hamming Ch0: Center Freq (Hz): ...46M **Beta:** 6.76 Ch0: Overall Gain Value: 32 **QT GUI Waterfall Sink** Name: TX out FFT Size: 1.024k Center Frequency (Hz): 866M Bandwidth (Hz): 8M

**Variable** 

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