

**Options**  
**Title:** PlutoOFDM  
**Author:** Jay  
**Description:** PlutoOFDM  
**Output Language:** Python  
**Generate Options:** QT GUI

**Variable**  
**Id:** samp\_rate  
**Value:** 30.72M

**Variable**  
**Id:** fft\_len  
**Value:** 128

**Variable**  
**Id:** ncarrier  
**Value:** 32

**Variable**  
**Id:** cp\_len  
**Value:** 16

**Parameter**  
**Id:** uri  
**Label:** URI  
**Value:** ip:pluto.local  
**Type:** String

**Import**  
**Import:** np

**GLFSR Source**  
**Degree:** 16  
**Repeat:** Yes  
**Mask:** 0  
**Seed:** 1

**Repack Bits**  
**Bits per input byte:** 1  
**Bits per output byte:** 2

**Chunks to Symbols**  
**Symbol Table:** -1-1...1j, 1+1j  
**Dimension:** 1

**Stream to Tagged Stream**  
**Packet Length:** 32  
**Length Tag Key:** packet\_len

**OFDM Carrier Allocator**  
**FFT length:** 128  
**Occupied Carriers:** [-... 16.]  
**Pilot Carriers:** (-33, 33)  
**Pilot Symbols:** (0, 0)  
**Sync Words:**  
**Length tag key:** packet\_len  
**Shift Output:** Yes

**FFT**  
**FFT Size:** 128  
**Forward/Reverse:** Reverse  
**Window:** window.blackmanhar...  
**Shift:** Yes  
**Num. Threads:** 1

**OFDM Cyclic Prefixer**  
**FFT Length:** 128  
**CP Length:** 16  
**Length Tag Key:** packet\_len

**QT GUI Sink**  
**Name:** Tx  
**FFT Size:** 128  
**Center Frequency (Hz):** 0  
**Bandwidth (Hz):** 30.72M  
**Update Rate:** 10

**PlutoSDR Sink**  
**IIO context URI:** ip:...local  
**LO Frequency:** 2.4G  
**Sample Rate:** 30.72M  
**RF Bandwidth:** 20M  
**Buffer size:** 32.768k  
**Cyclic:** False  
**Attenuation TX1 (dB):** 10  
**Filter:**  
**Filter Auto:** True

