

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

**Complexity:** 599ubal

**Variable**  
**ID:** samp\_rate  
**Value:** 32k

**Variable**  
**ID:** FFT  
**Value:** 1.024k

**Variable**  
**ID:** CP  
**Value:** 50M

**Variable**  
**ID:** FREQ  
**Value:** 36G

**RTL-SDR Source**  
**Sync:** Don't Sync  
**Number Channels:** 1  
**Sample Rate (sps):** 32k  
**Ch0: Frequency (Hz):** 100M  
**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

**Virtual Source**  
**Stream ID:** Header Stream

**Stream to Vector**

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

**OFDM Channel Estimation**  
**Synch. symbol 2:**  
**Number of data symbols:** 1  
**Force One Synchronisation Symbol:** No

**OFDM Frame Equalizer**  
**FFT length:** 1.024k  
**CP length:** 256  
**Equalizer:** None  
**Length Tag Key:**  
**Propagate Channel State:** Yes

**OFDM Serializer**  
**FFT length:** 1.024k  
**Occupied Carriers:** None  
**Length Tag Key:**

**Virtual Source**  
**Stream ID:** Payload Stream

**Stream to Vector**

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

**OFDM Frame Equalizer**  
**FFT length:** 1.024k  
**CP length:** 50M  
**Equalizer:** None  
**Length Tag Key:**  
**Propagate Channel State:** Yes

**OFDM Serializer**  
**FFT length:** 1.024k  
**Occupied Carriers:** None  
**Length Tag Key:**

**Virtual Sink**  
**Stream ID:** Payload IQ

**Throttle**  
**Sample Rate:** 32k

**Schmidl & Cox OFDM synch.**  
**FFT length:** 1.024k  
**Cyclic Prefix length:** 900M  
**Threshold:** 900m

**Delay**  
**Delay:** 80

**Multiply**

**Frequency Mod**  
**Sensitivity:** 0

**Packet Header Parser**  
**Formatter Object:** None

**Constellation Decoder**  
**Constellation Object:** 0

**Header/Payload Demux**  
**Header Length (Symbols):** 8.192...2k  
**Header Padding (Uncertainty / Symbols):** 0  
**Items per symbol:** 1  
**Length tag key:** frame\_len  
**Output Format:** Items  
**Timing tag key:** rx\_time  
**Sampling Rate:** 32k  
**Special Tag Keys:** None

**Virtual Sink**  
**Stream ID:** Header Stream

**Virtual Sink**  
**Stream ID:** Payload Stream

