

**Options**

Title: Experim...to SDR V5.0  
 Author: H99DUG... 2021-05-16  
 Description: DVB-T...to SDR  
 Output Language: Python  
 Generate Options: QT GUI

**Variable**

Id: samp\_rate  
Value: 4M

**Variable**

Id: decim  
Value: 2

**Variable**

Id: bandwidth\_decim\_factor  
Value: 2

**QT GUI Range**

Id: rf\_gain  
Label: RF Gain [dB]  
Default Value: 30  
Start: 0  
Stop: 73  
Step: 1

**Variable**

Id: fft\_len  
Value: 2.048k

**Variable**

Id: freq  
Value: 437M

**Variable**

Id: rx\_antenna  
Value: A\_BALANCED

**QT GUI Label**

Id: variable\_qtgui\_label\_0  
Label: Tuned Frequency [Hz]  
Default Value: 437M

**QT GUI Entry**

Id: freq\_central  
Label: RX Frequency [Hz]  
Default Value: 437M

**Variable**

Id: rx\_antenna  
Value: A\_BALANCED

**QT GUI Range**

Id: freq\_gain  
Label: Frequency...Adjust [Hz]  
Default Value: 0  
Start: -10k  
Stop: 10k  
Step: 1

**QT GUI Tab Widget**

Id: dvbt  
Num Tabs: 2  
Label 0: Receive...figuration  
Label 1: Band Pa...ter Viewer

**Band-pass Filter Taps**

Id: bpf\_1mhz  
Tap Type: Complex  
Gain: 1  
Sample Rate (Hz): 2M  
Low Cutoff Freq (Hz): -550k  
High Cutoff Freq (Hz): 550k  
Transition Width (Hz): 100k  
Window: Hamming  
Beta: 6.76

**Band-pass Filter Taps**

Id: bpf\_500khz  
Tap Type: Complex  
Gain: 1  
Sample Rate (Hz): 2M  
Low Cutoff Freq (Hz): -275k  
High Cutoff Freq (Hz): 275k  
Transition Width (Hz): 50k  
Window: Hamming  
Beta: 6.76

**Band-pass Filter Taps**

Id: bpf\_350khz  
Tap Type: Complex  
Gain: 1  
Sample Rate (Hz): 2M  
Low Cutoff Freq (Hz): -192.5k  
High Cutoff Freq (Hz): 192.5k  
Transition Width (Hz): 30k  
Window: Hamming  
Beta: 6.76

**Band-pass Filter Taps**

Id: bpf\_250khz  
Tap Type: Complex  
Gain: 1  
Sample Rate (Hz): 2M  
Low Cutoff Freq (Hz): -137.5k  
High Cutoff Freq (Hz): 137.5k  
Transition Width (Hz): 25k  
Window: Hamming  
Beta: 6.76

**Band-pass Filter Taps**

Id: bpf\_125khz  
Tap Type: Complex  
Gain: 1  
Sample Rate (Hz): 2M  
Low Cutoff Freq (Hz): -71.5k  
High Cutoff Freq (Hz): 71.5k  
Transition Width (Hz): 15k  
Window: Hamming  
Beta: 6.76

**Note**

Note: Configuration

for Mode 2K, Constellation QPSK et Guard 1/32

