

**Options**  
 Title: Record 2 FM Stations  
 Author: lefko  
 Output Language: Python  
 Generate Options: QT GUI

**Variable**  
 ID: samp\_rate  
 Value: 2.56M

**Variable**  
 ID: base\_multiple  
 Value: 128

**Variable**  
 ID: decimations  
 Value: 20

**Variable**  
 ID: audio\_samp\_rate  
 Value: 48k

**Variable**  
 ID: recordfile1  
 Value: /dev/null

**Variable**  
 ID: recordfile2  
 Value: /dev/null

**Variable**  
 ID: station1  
 Value: 107.3

**Variable**  
 ID: station2  
 Value: 107.5

**Variable**  
 ID: station\_freq\_dist  
 Value: 200k

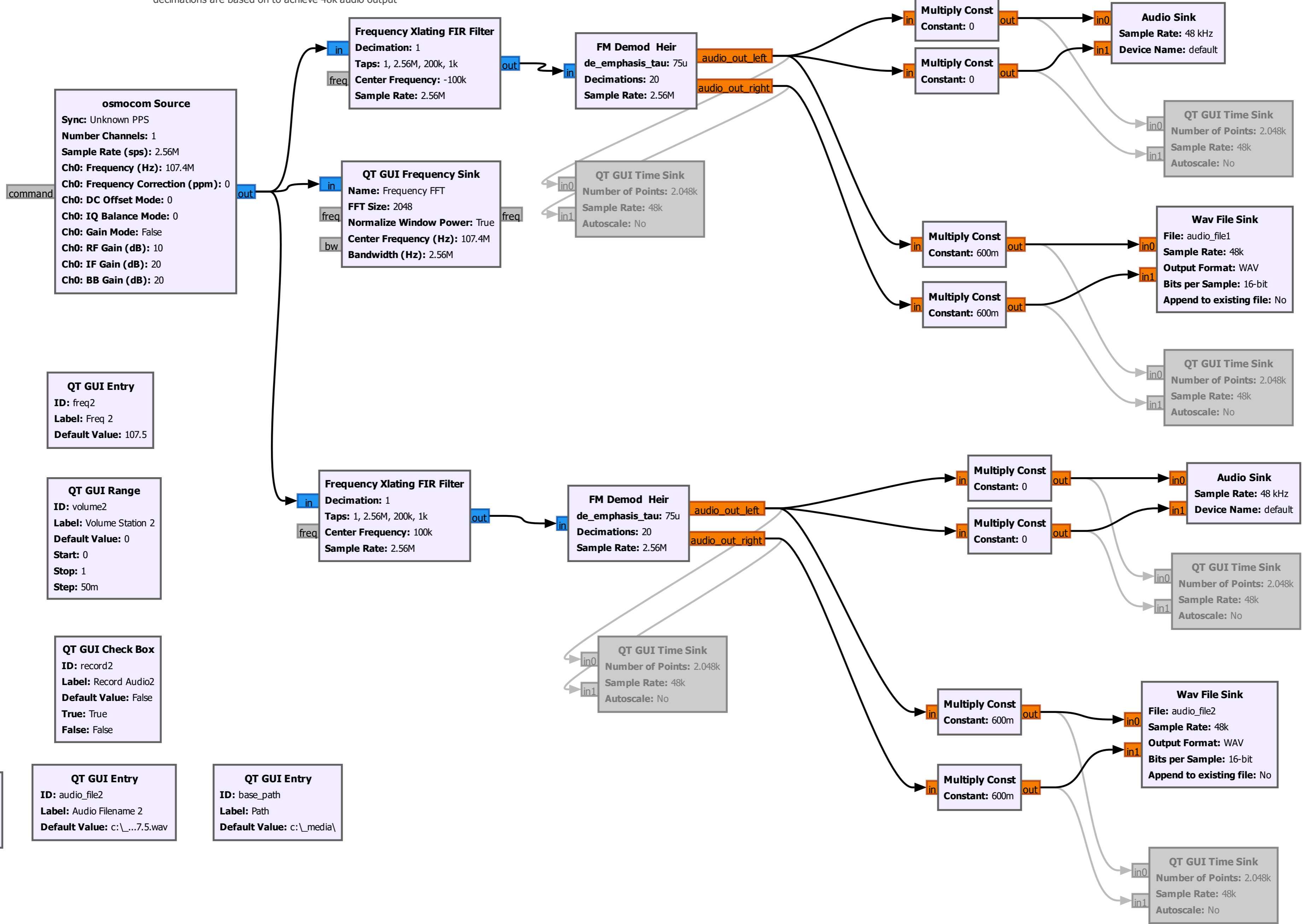
**Variable**  
 ID: center\_freq  
 Value: 107.4M

**Import**  
 Import: math

**Variable**  
 ID: filter\_taps  
 Value: 1, 2.56M, 200k, 1k

Base multiple is what sample rate and rational resampler decimations are based on to achieve 48k audio output

Grandstand stage is 89.9  
 Big Meadow 91.5



**QT GUI Check Box**  
 ID: de\_emphasis\_tau1  
 Label: 75 us de-emphasis  
 Default Value: 75u  
 True: 75u  
 False: 50u

**QT GUI Entry**  
 ID: freq1  
 Label: Freq 1  
 Default Value: 107.3

**QT GUI Entry**  
 ID: freq2  
 Label: Freq 2  
 Default Value: 107.5

**QT GUI Range**  
 ID: volume1  
 Label: Volume Station 1  
 Default Value: 0  
 Start: 0  
 Stop: 1  
 Step: 50m

**QT GUI Range**  
 ID: volume2  
 Label: Volume Station 2  
 Default Value: 0  
 Start: 0  
 Stop: 1  
 Step: 50m

**QT GUI Check Box**  
 ID: record1  
 Label: Record Audio1  
 Default Value: False  
 True: True  
 False: False

**QT GUI Check Box**  
 ID: record2  
 Label: Record Audio2  
 Default Value: False  
 True: True  
 False: False

**QT GUI Entry**  
 ID: audio\_file1  
 Label: Audio Filename  
 Default Value: c:\...7.3.wav

**QT GUI Entry**  
 ID: audio\_file2  
 Label: Audio Filename 2  
 Default Value: c:\...7.5.wav

**QT GUI Entry**  
 ID: base\_path  
 Label: Path  
 Default Value: c:\\_media\

**QT GUI Range**  
 ID: volume\_WAV1  
 Label: WAV Volume 1  
 Default Value: 600m  
 Start: 0  
 Stop: 1  
 Step: 50m

**QT GUI Range**  
 ID: volume\_WAV2  
 Label: WAV Volume 2  
 Default Value: 600m  
 Start: 0  
 Stop: 1  
 Step: 50m