IEE1711 Applied signal processing

Practice 4

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Task 1 (1)

FM receiver design in **GNURadio**:

- Find the FM radio station frequency and bandwidth (Google, HDSDR)
- Read about GNURadio decimation in Filters and Rational Resampler block
- Calculate the necessary resampling ratio
- Filter one station FM bandwidth



Task 1 (2)

Add FM receiver (WBFM receive block)

Play the realtime radio with Audio Sink



Report should include

- Title page
- GNURadio screen capture
- Spectrum and spectrogram of the FM radio signals
- Filtered FM signal spectrum and spectrogram
- Conclusion

