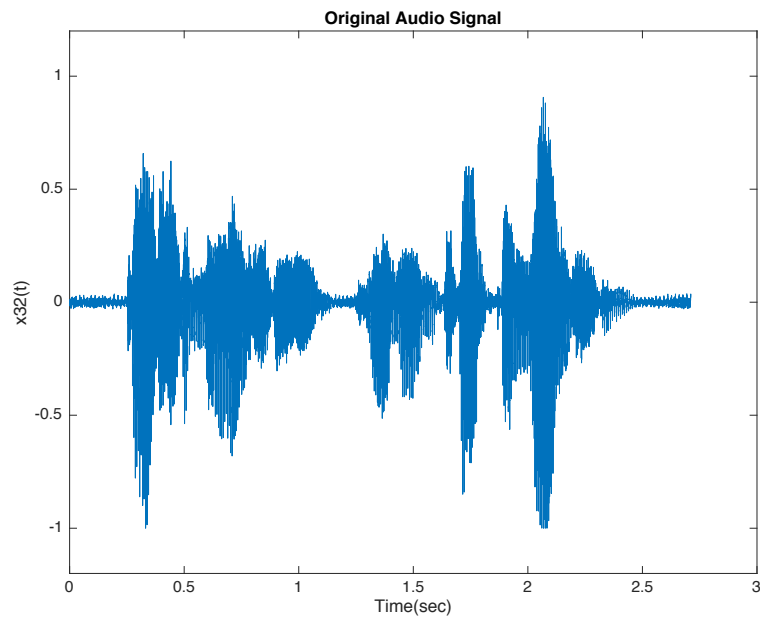
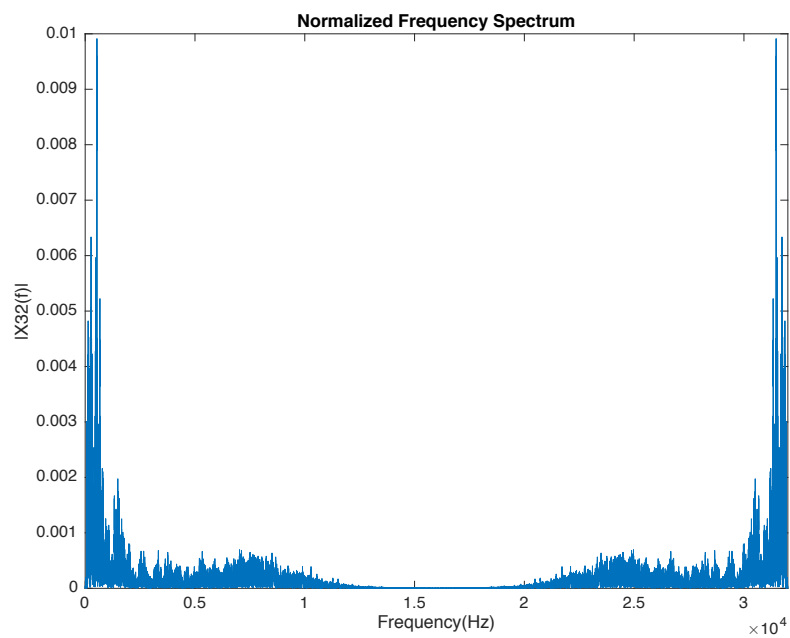


John Dokoupil
ECE 714 – Fall '16
MatLab Assignment 6

1. [attached audio sample]
- 2.



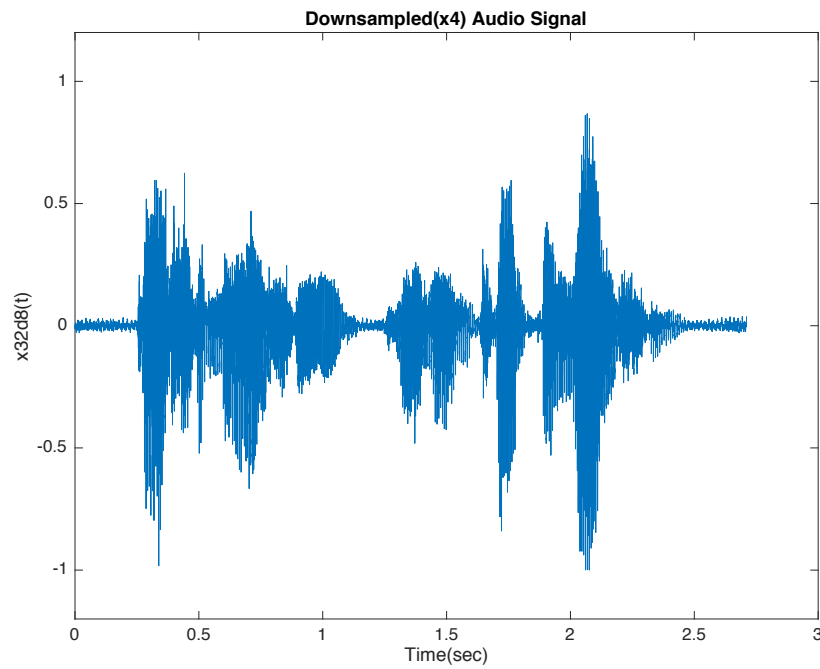
- 3.



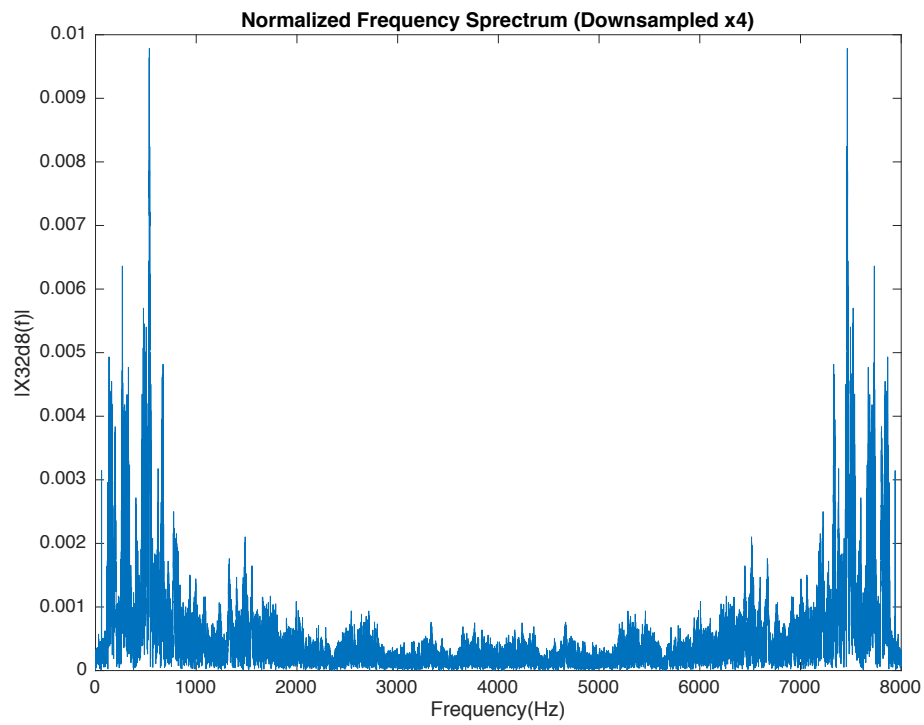
4. [attached audio signal]

The downsampled audio signal sounds muffled compared to the original.

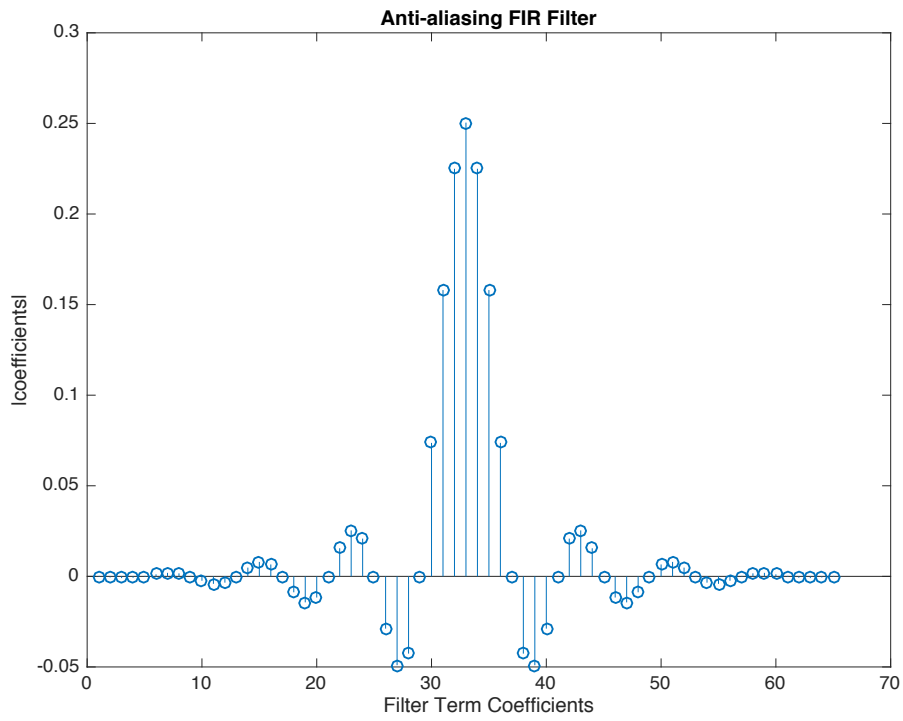
5.



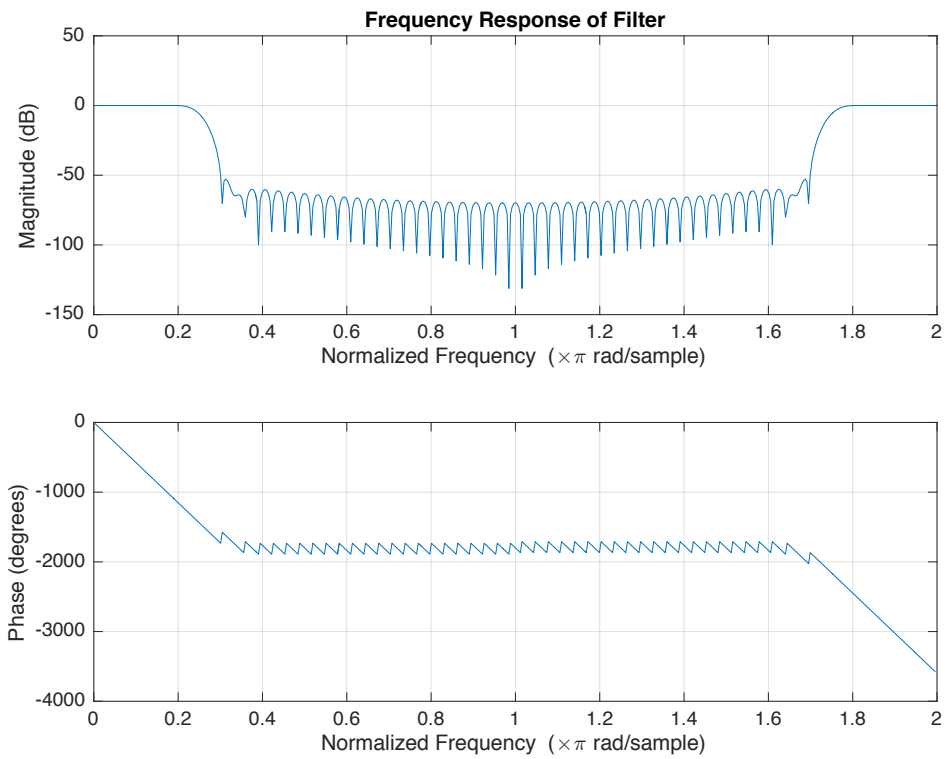
6.



7.



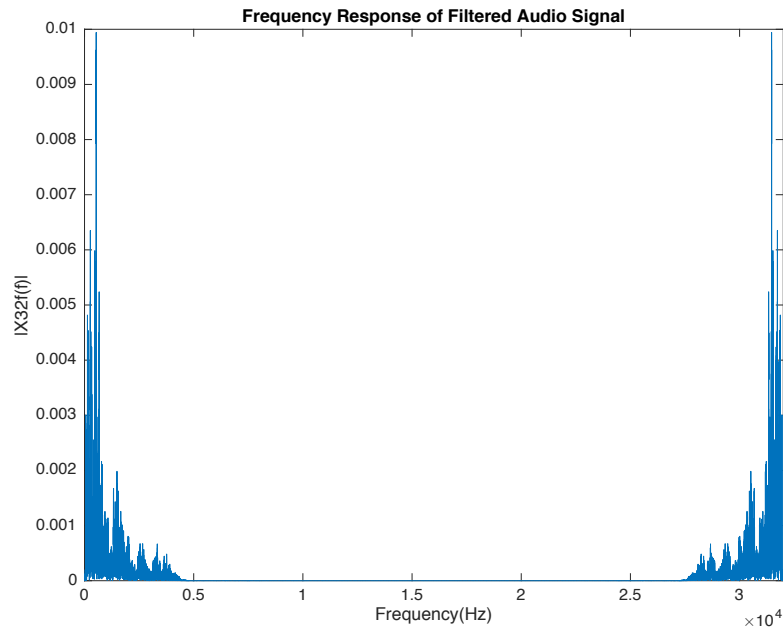
8.



9. [attached audio sample]

The filtered audio signal sounds very clear, but with background noise and ringing eliminated from the original sample.

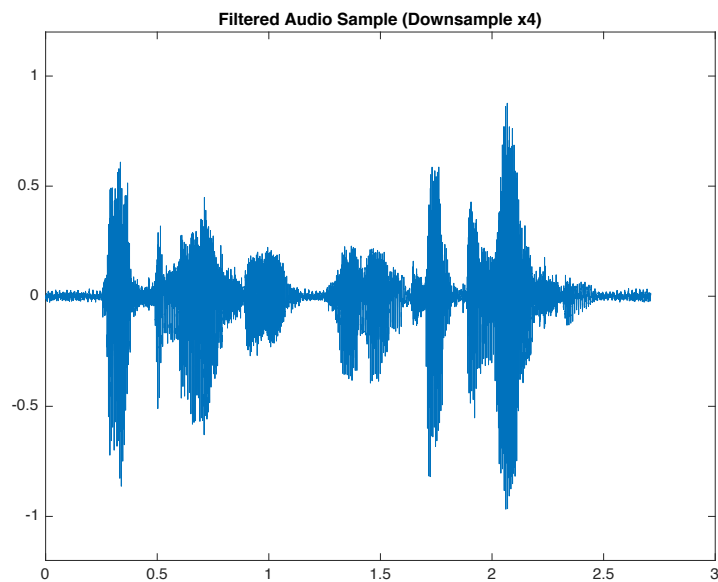
10.



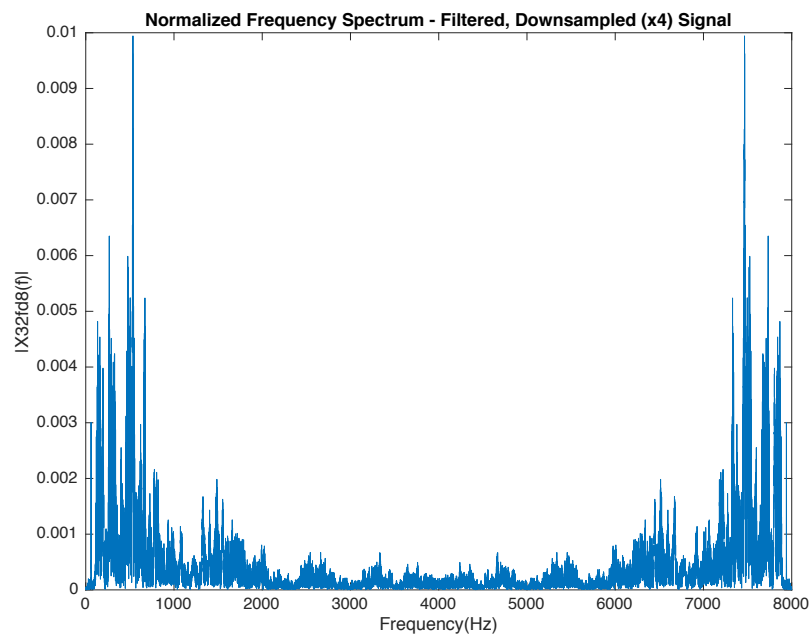
11. [attached audio sample]

The sample sounds clear, with background noise eliminated from the original audio sample.

12.



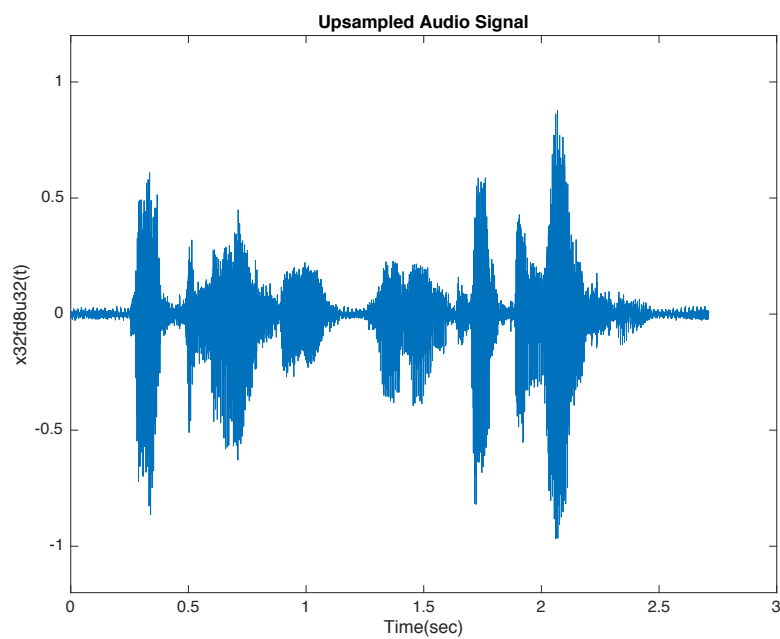
13.



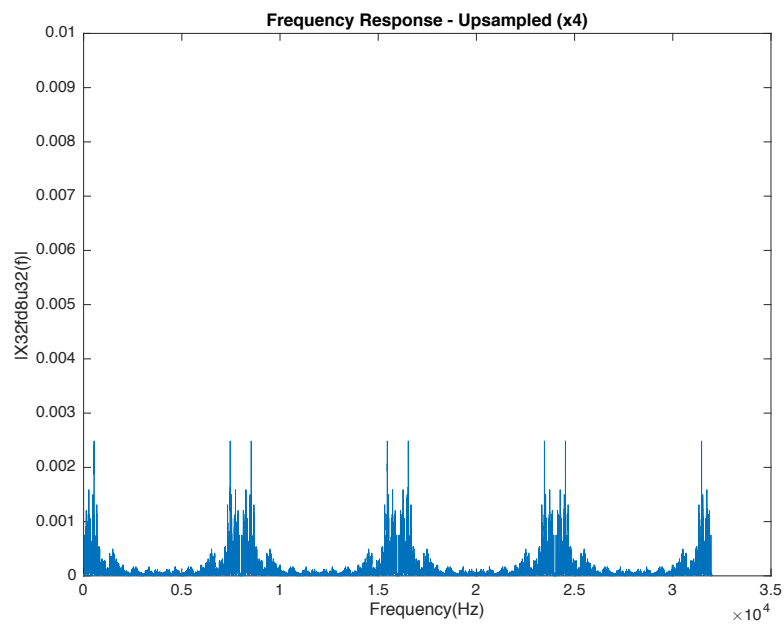
14. [attached audio sample]

The upsampled version of the audio sample sounds grainier than the original with a loud ringing.

15.



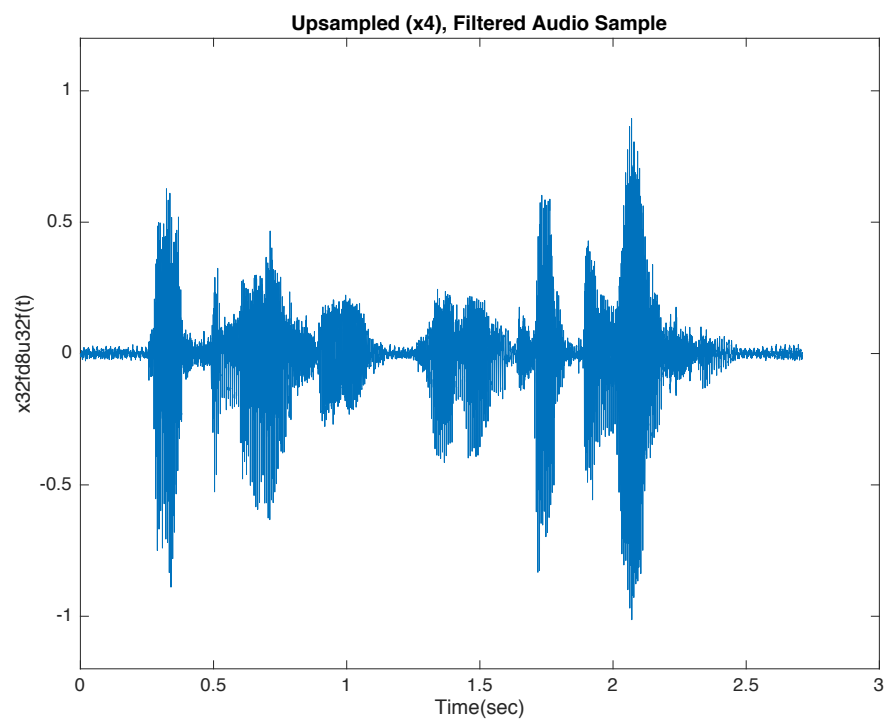
16.



17. [attached audio sample]

The filtered version of the signal sounds clear, with no background noise and none of the ringing apparent in the upsampled version.

18.



19.

