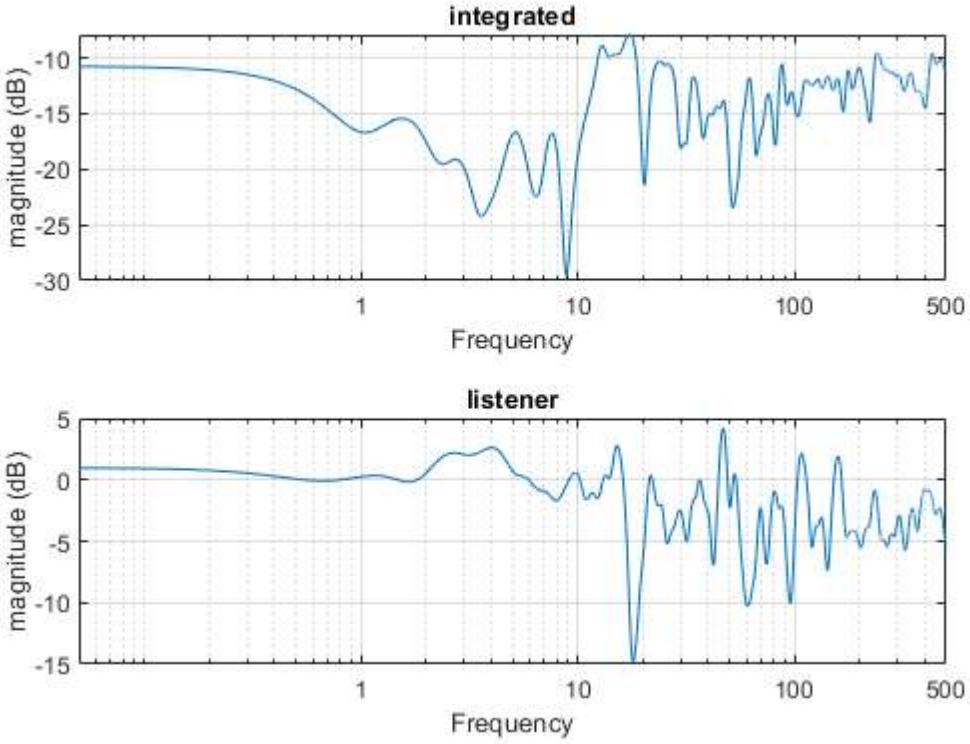
Contents


```
close all
```

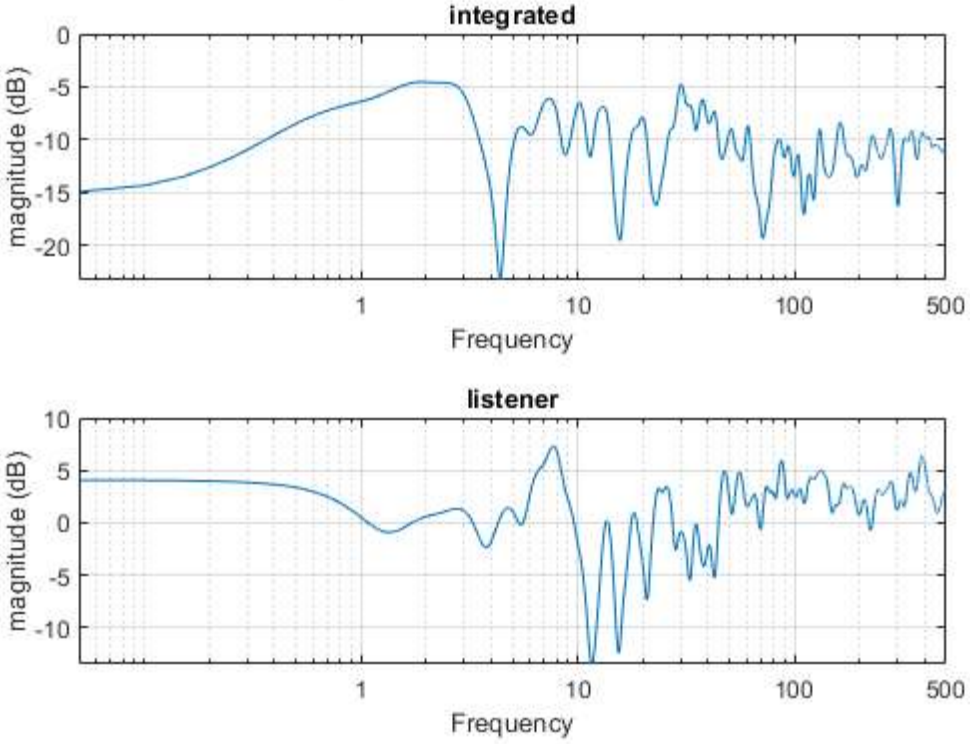
read and plot all the IR's from Dataset_1_integrated

```
fds = fileDatastore('Dataset_1_integrated/*', 'ReadFcn', @importdata);

files_integrated = fds.Files;

numFiles = length(fullFileNames);

fds = fileDatastore('Dataset_1_listener/*', 'ReadFcn', @importdata);

files_listener = fds.Files;


% Loop over all files reading them in and plotting them.

for k = 1 : numFiles
    name = strsplit(files_integrated{k},'\');
    name = strsplit(name{1,end},'_');
    name = name{1,1};
    figure
    fig = tiledlayout(2,1);

    title(fig, ['sample: ' name])

%     fprintf('Now reading file %s\n', files_integrated{k});
    nexttile
    [y,Fs] = audioread(files_integrated{k},[1,1000]);
    [h,f] = freqz(y,1,10000,Fs);
    graph_freq_response(h,f,12);
    title('integrated')
    nexttile
    [y,Fs] = audioread(files_listener{k},[1,1000]);
    [h,f] = freqz(y,1,10000,Fs);
    graph_freq_response(h,f,12);
    title('listener')


end
```

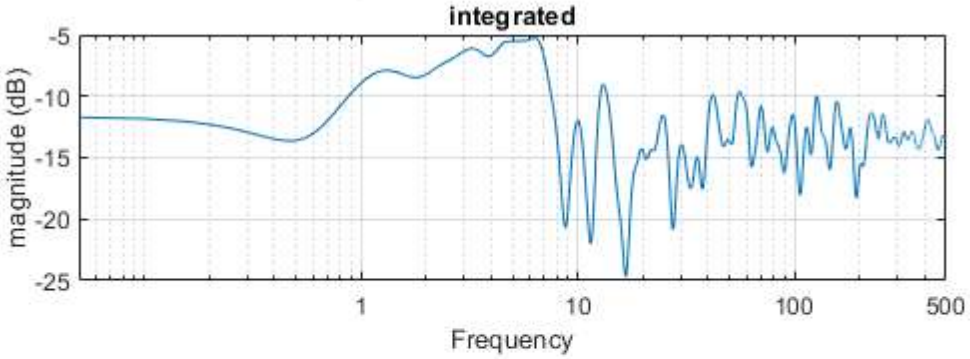
sample: 3.31x6.9487x3.4539

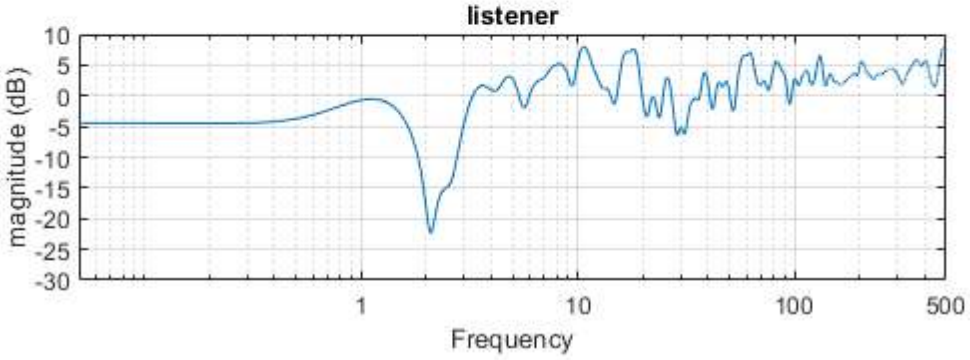


sample: 3.4155x3.8742x4.5586

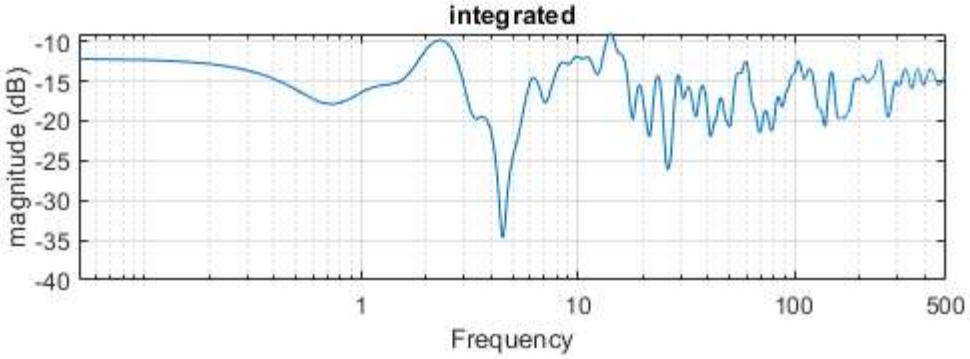


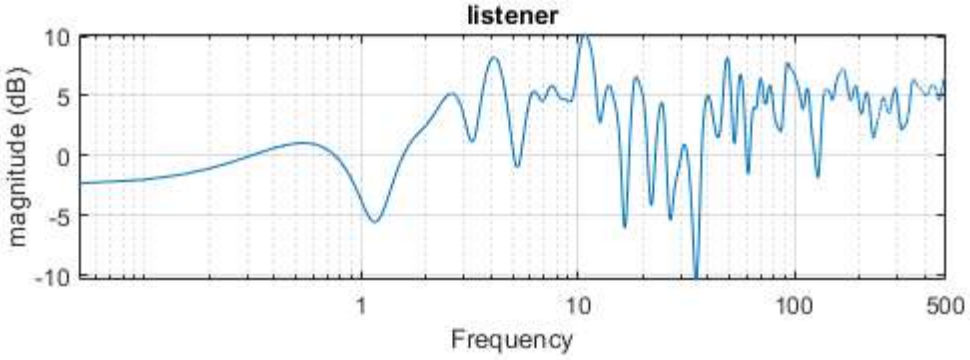
sample: 4.277x6.7959x4.7893

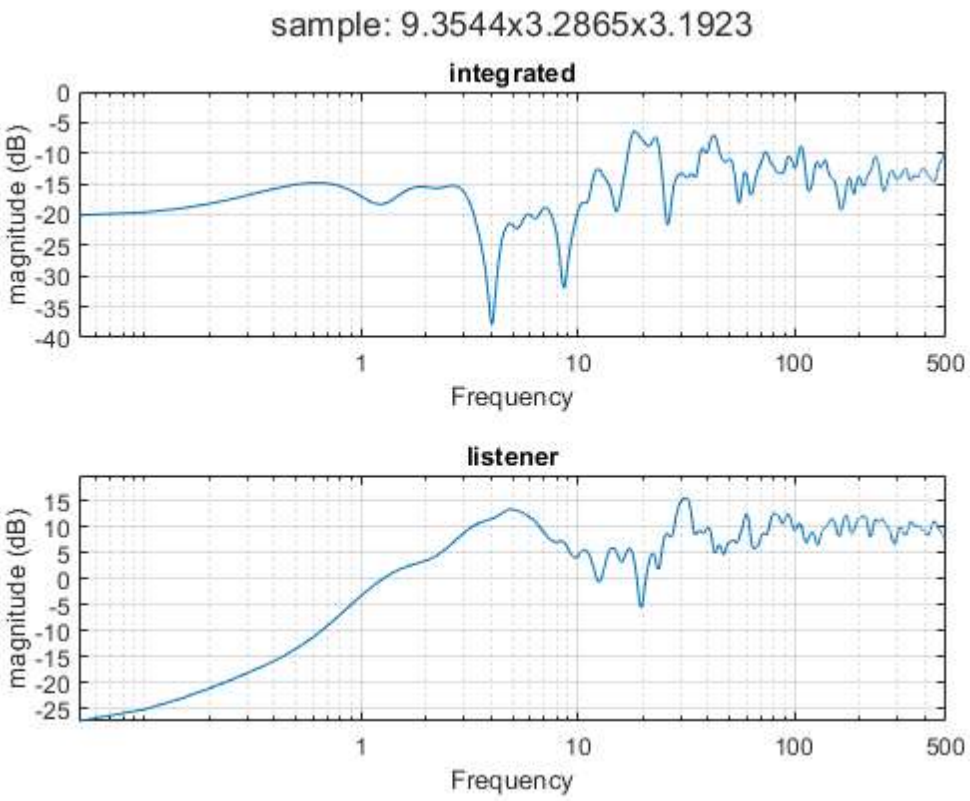


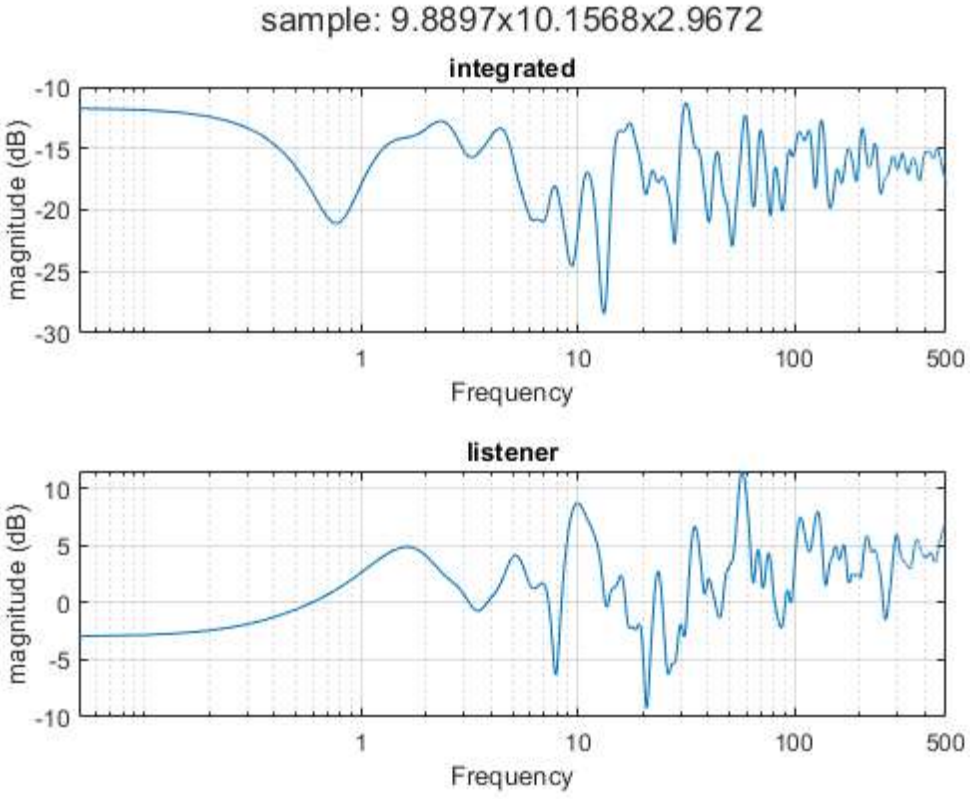


sample: 9.2535x5.8539x4.8756









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