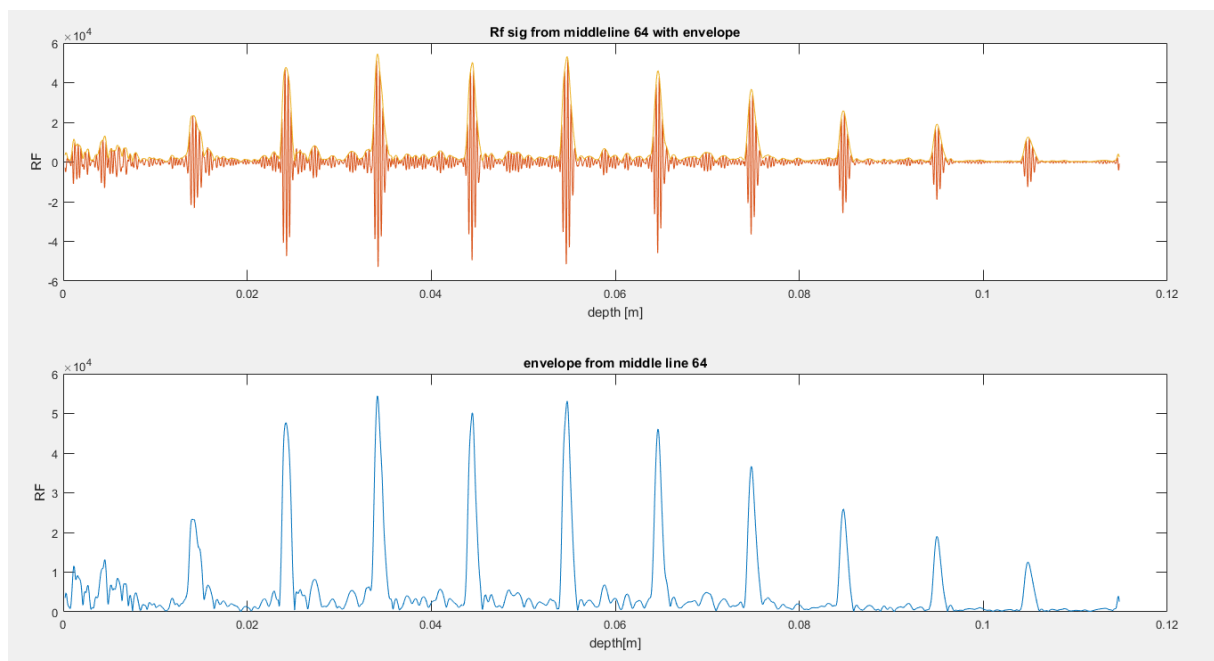
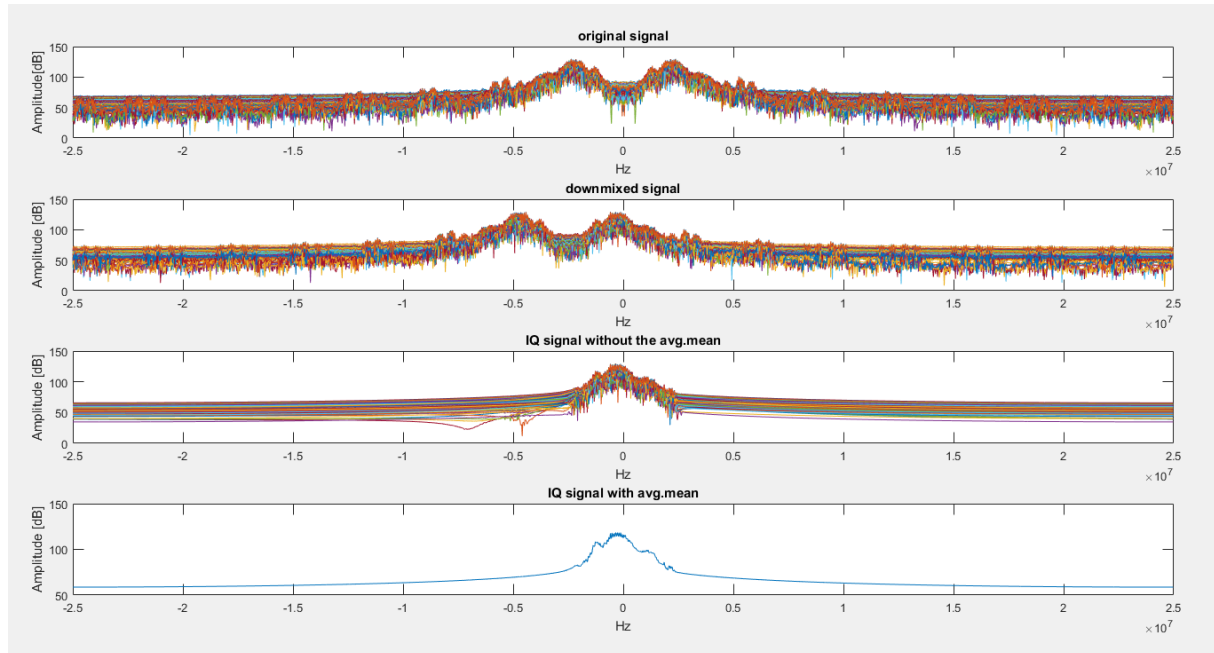


Exercise 5: «Signal processing chain»
12.02.2020

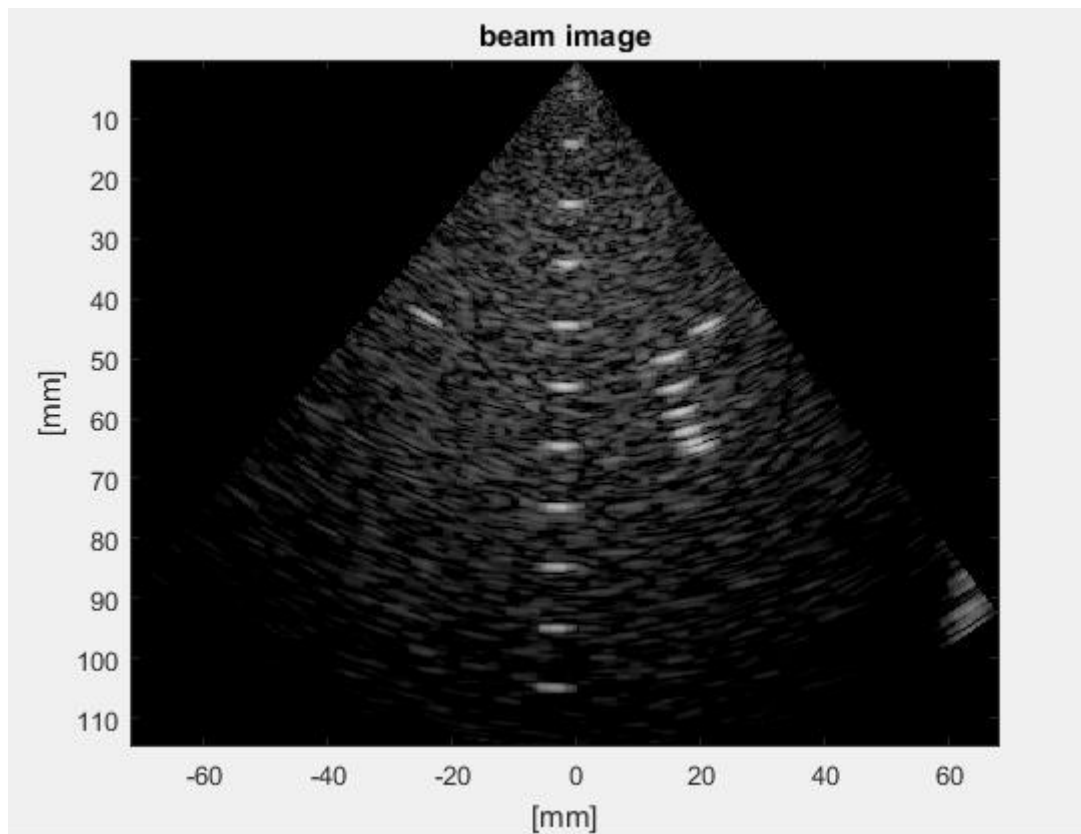
Phantom 1 Data:

Dynamic range: -50 dB

Gain: 100 dB



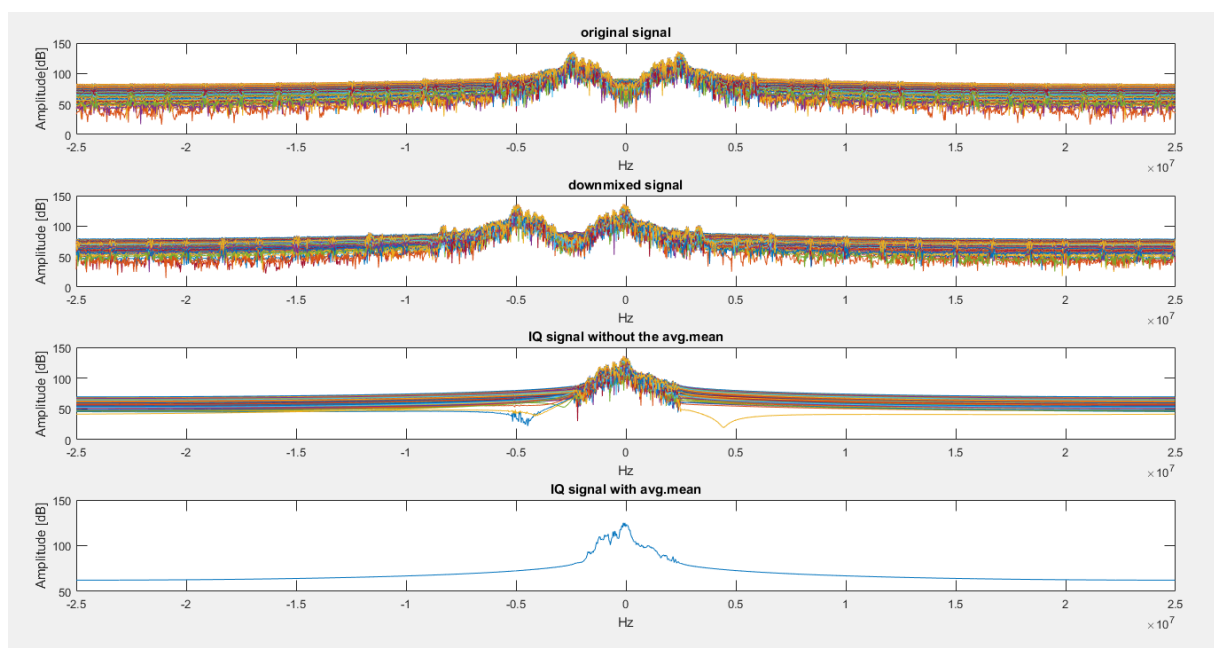
Exercise 5: «Signal processing chain»
12.02.2020



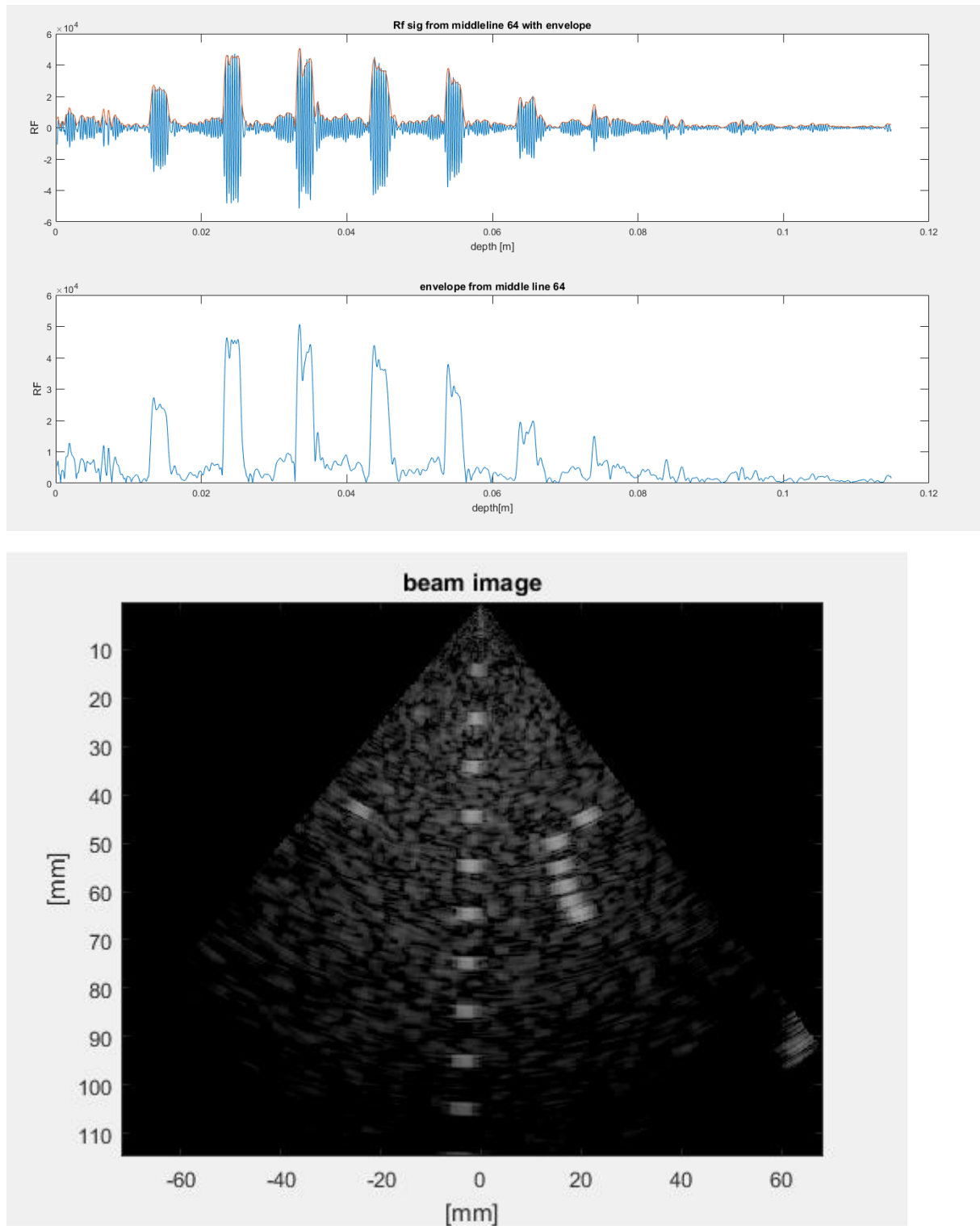
Phantom 2 Data:

Dynamic range: -55 dB

Gain: 110 dB



Exercise 5: «Signal processing chain»
12.02.2020



- From the beam image, I would guess that the radial resolution has changed. It has worsened in the phantom data 2.
- The reason for why we multiply with 2 is because we removed half of the signals power when we filtered it.

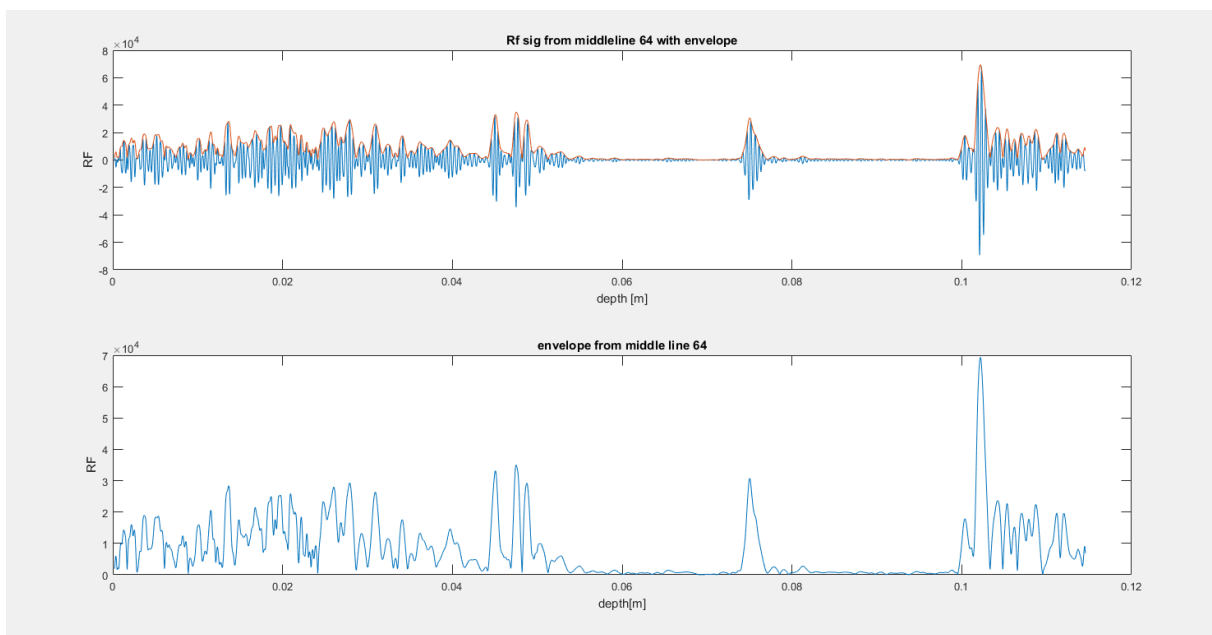
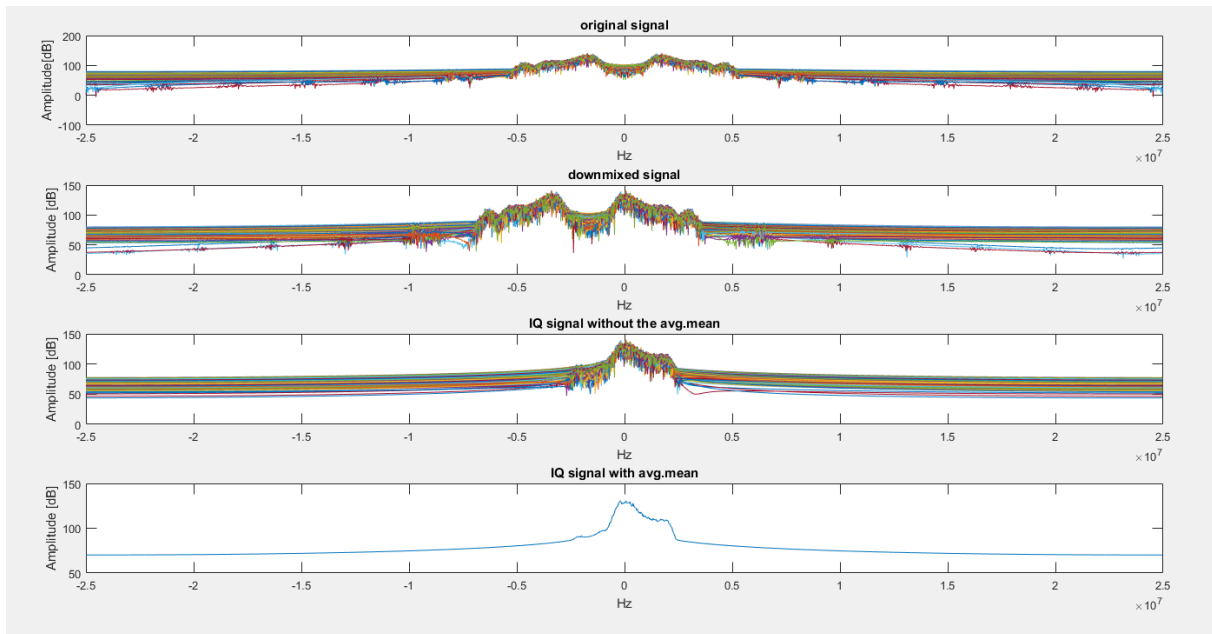
Exercise 5: «Signal processing chain»
12.02.2020

Cardiac Data:

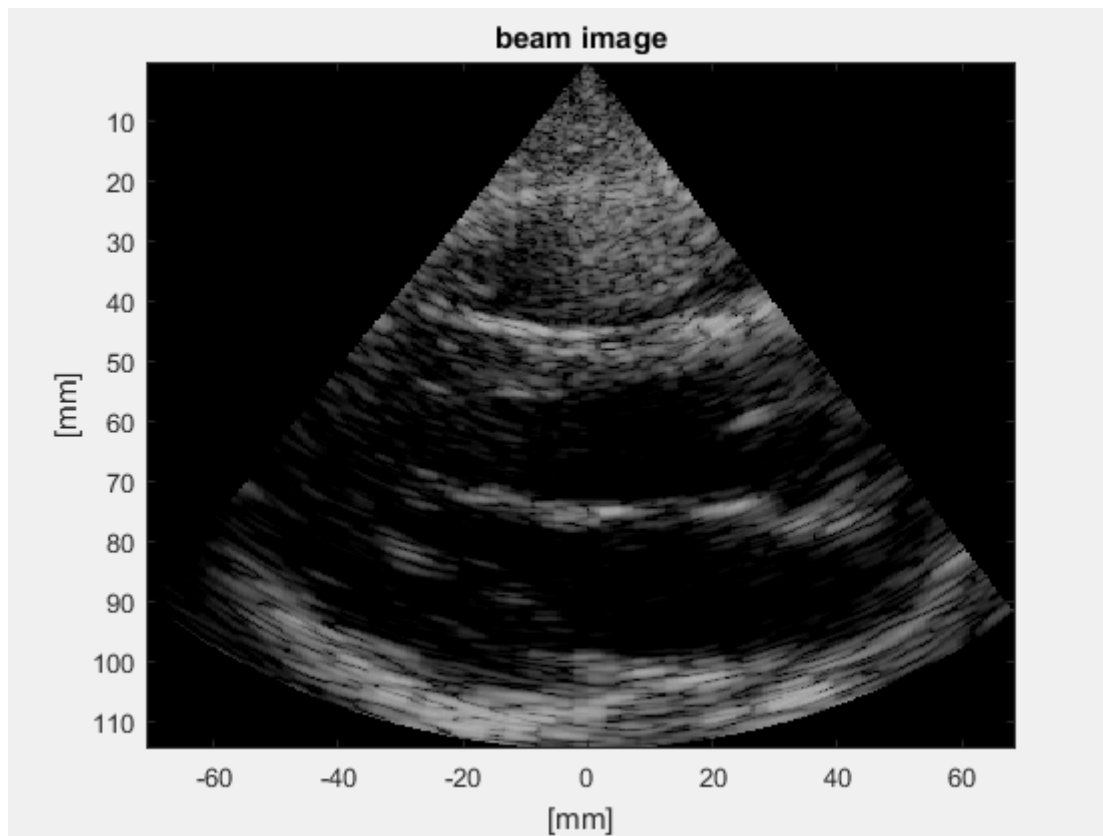
Dynamic range: -55 dB

Gain: 110 dB

Fundamental freq.: f_0



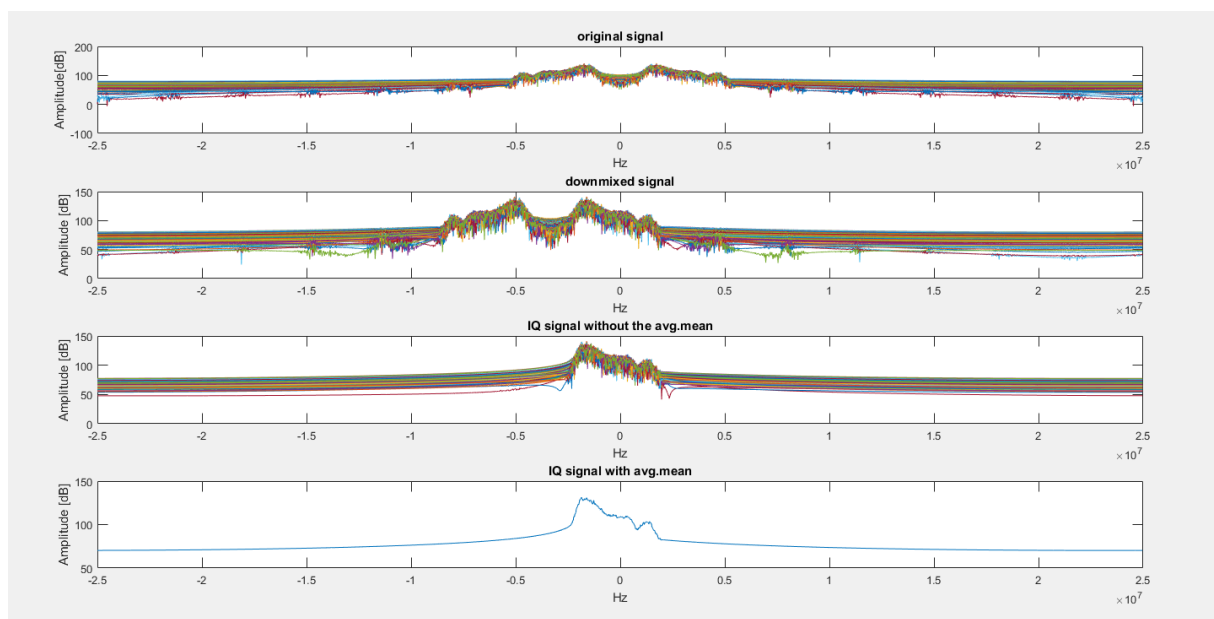
Exercise 5: «Signal processing chain»
12.02.2020



Dynamic range: -55 dB

Gain: 110 dB

Fundamental freq.: $2 \cdot f_0$



Exercise 5: «Signal processing chain»
12.02.2020

