

Ultrasonics 2017

**Exercise 8**

1. Define the following concepts relating to phased arrays:
  - a) Phased array
  - b) Linear scan
  - c) Grating lobes
  - d) Beam steering
  
2. In beam steering of a phased array, what is the largest angle that can be achieved with 1mm element size? (In water, 1 MHz transducer)