EECE 588 Spring 2019 Homework 1

Due: 3/12/19 in Class (2:00 pm)

EE 20182737

Lee Jong Geon

**1.**

a.



b.



c.



d.



2.

**3.**

a.

-> linear polarization

b.

-> linear polarization

c.

-> circular polarization

d.

-> Linear polarization

4.

Communication system at 10 GHz

One major lobe, ideally no minor lobes or can be neglected.

The pattern symmetry to the azimuthal.

Half-power beamwidth of 10 degrees.