## Special Problem 7.A-2

For the communications link below, the receive and tranmit antennas are **identical**, with efficiency e=1.0.

The transmitter operates at 3 GHz, and delivers 10.0 Watts to the antenna.

The transmit antenna has a main beam whose solid angle is  $0.04\pi$  steradians.

Determine the received power  $P_r$ .

