

**Homework 2: Due Thursday 10/8 (5pm)**

1. (10 pts.) Text, Chapter 2, Problem 18. (Please assume  $d_0 = 1\text{m}$ ,  $f = 900\text{MHz}$ .)
2. (10 pts.) Text, Chapter 3, Problem 1.
3. (10 pts.) Text, Chapter 3, Problem 5.
4. (3 pts.) Text, Chapter 3, Problem 7.
5. (7 pts.) Text, Chapter 3, Problem 8.
6. (10 pts.) Text, Chapter 3, Problem 9.
7. (15 pts.) Text, Chapter 3, Problem 10.
8. (15 pts.) Text, Chapter 3, Problem 11.

(Total 80 pts.)