Contents

1 Antennas

1.1 Far Field Calculations

For an antenna to be in the far-feild, we must first calculate λ, and L (the length of the longest dimension of the antenna). The observer is then in the far-feild if

$$r \geq \frac{2L^2}{\lambda}; \qquad L > \lambda \tag{1}$$

$$r \geq \lambda; \qquad L < \lambda \tag{2}$$