

*Lec 20 -- Noise Example, Noise Temperature Equations*

What is signal to noise ratio? What is noise figure? What is noise factor?

What is the noise temperature of a lossy passive? What is the noise temperature of an amplifier?

Draw a receive chain and indicate how noise is referred through it.

Does noise at the beginning or end of a receive chain matter more?

How do objects in the near field change the behavior of antennas?

Is the antenna a lumped or distributed element?

How do the capacitance and inductance of antennas relate to the wavelength and the propagation behavior of the antenna?