ITS323 – Transmission Media Notes

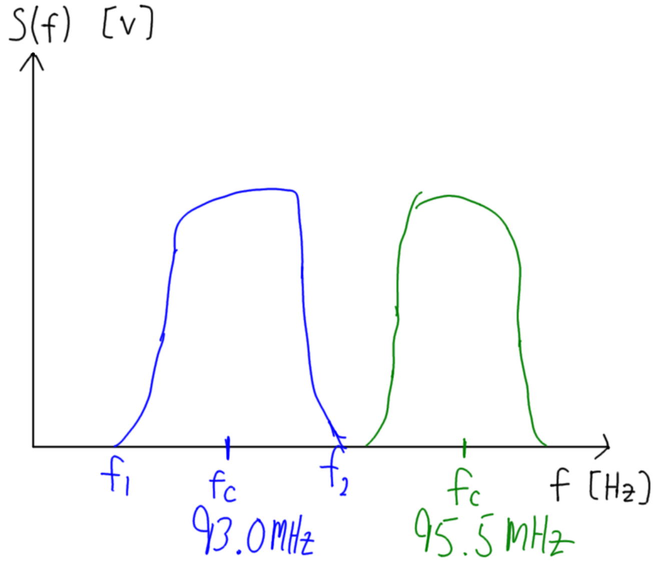

Figure 1: Signals at different centre frequencies (channels); Lecture 11

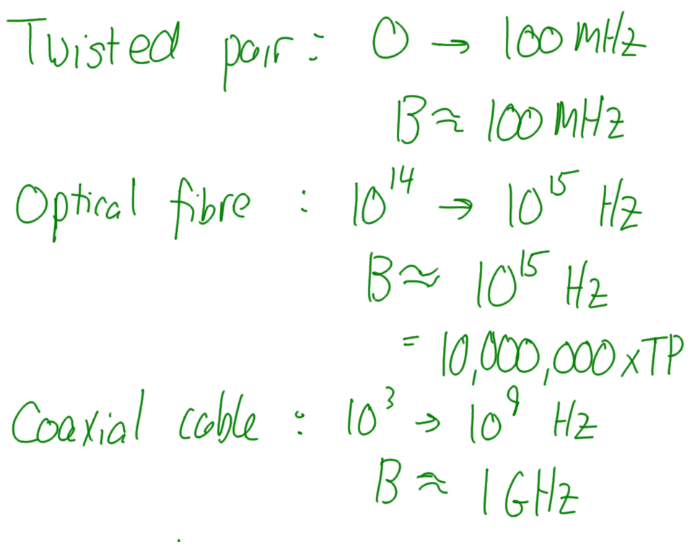

Figure 2: Bandwidth of twisted pair, coaxial cable and optical fibre; Lecture 11

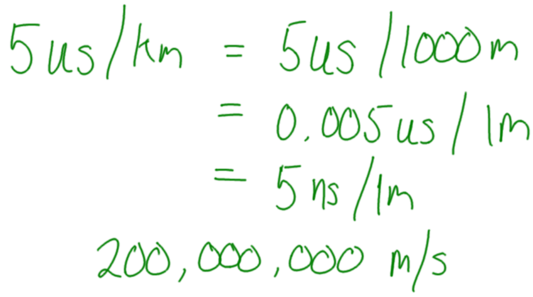

Figure 3: Propagation speed in cables; Lecture 11

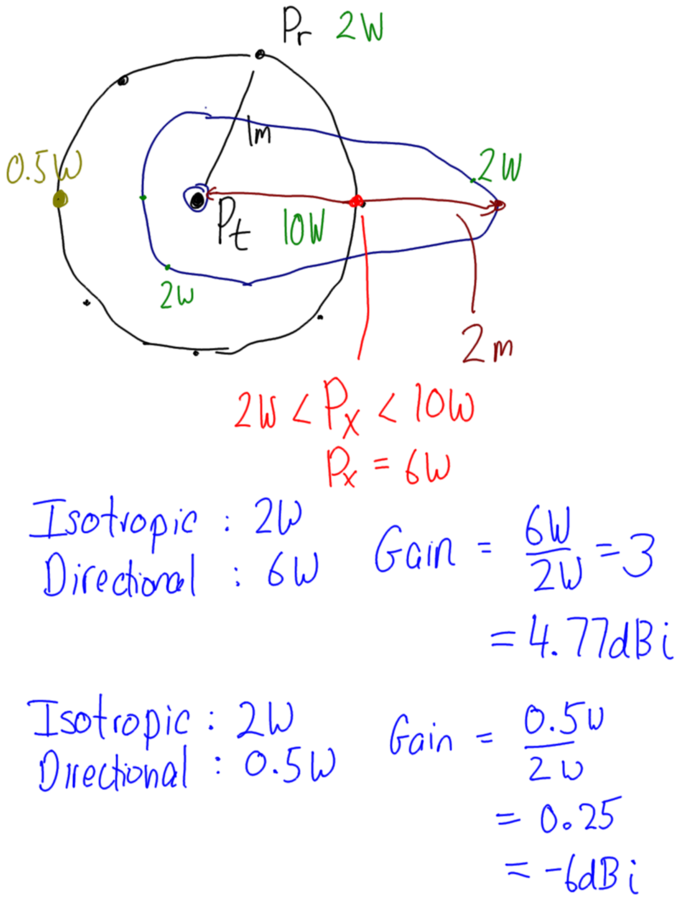

Figure 4: Antenna gain vs isotropic antenna; Lecture 12

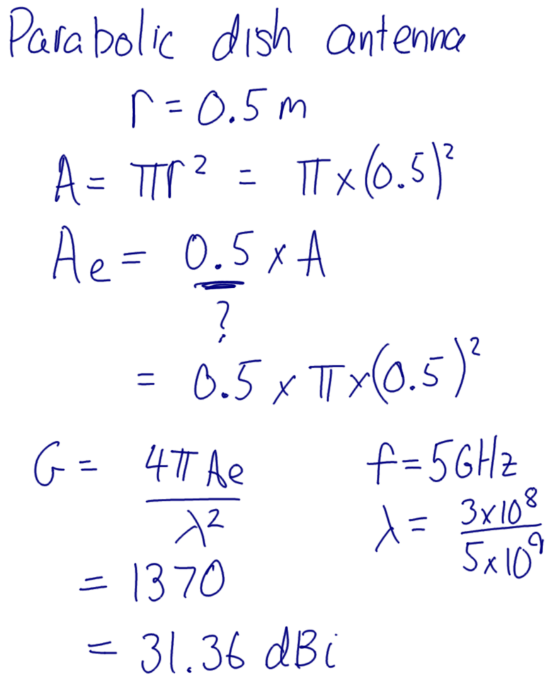

Figure 5: Antenna gain of a parabolic antenna; Lecture 12

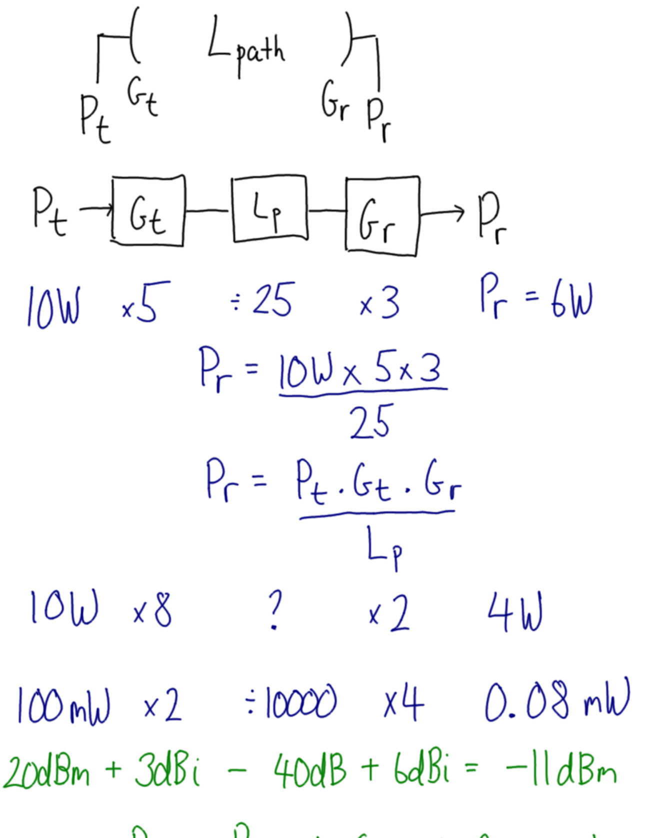

Figure 6: Path Loss Model using Factors and dB; Lecture 13

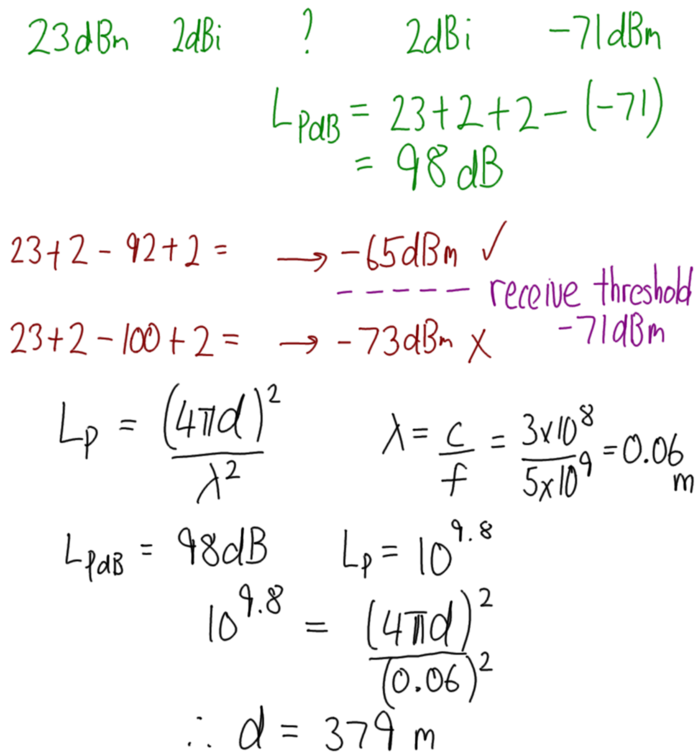

Figure 7: Path Loss and Receive Sensitivity; Lecture 13

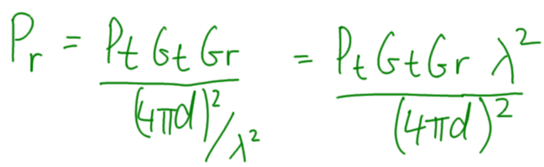

Figure 8: Free Space Path Loss Equation; Lecture 13

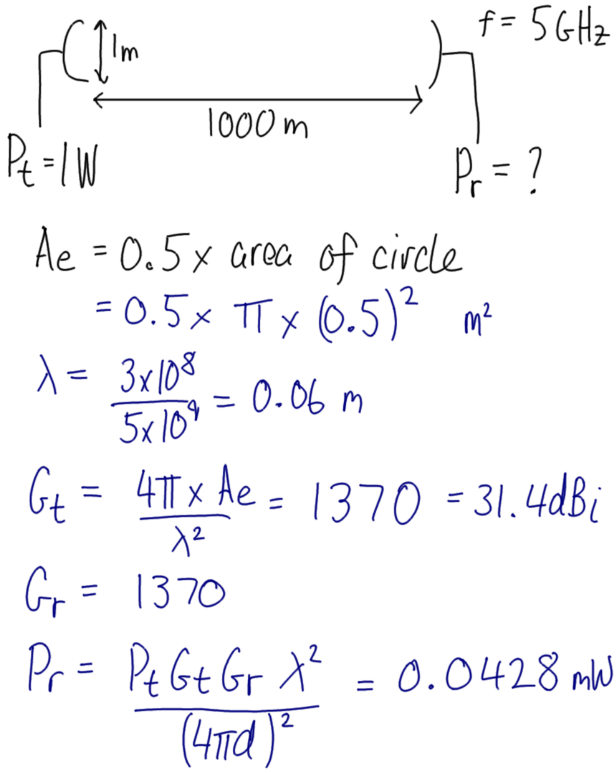

Figure 9: Free Space Path Loss Example; Lecture 13