

Yagi – Uda Antenna

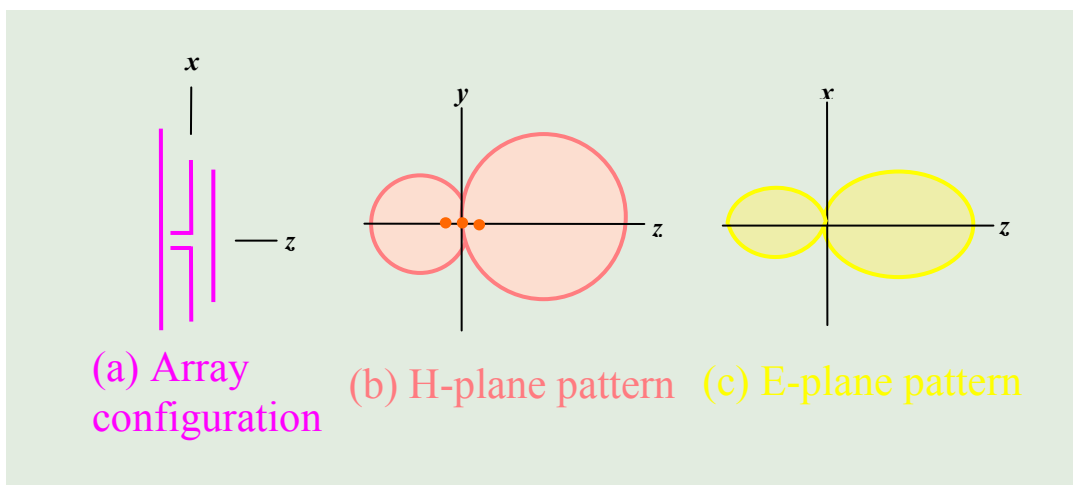


Figure - Three-element Yagi-Uda antennas consisting of a driver of length 0.4781λ , a reflector of 0.49λ , and a director of length 0.45λ , each spaced only 0.04λ apart. Wire radius is 0.001λ .

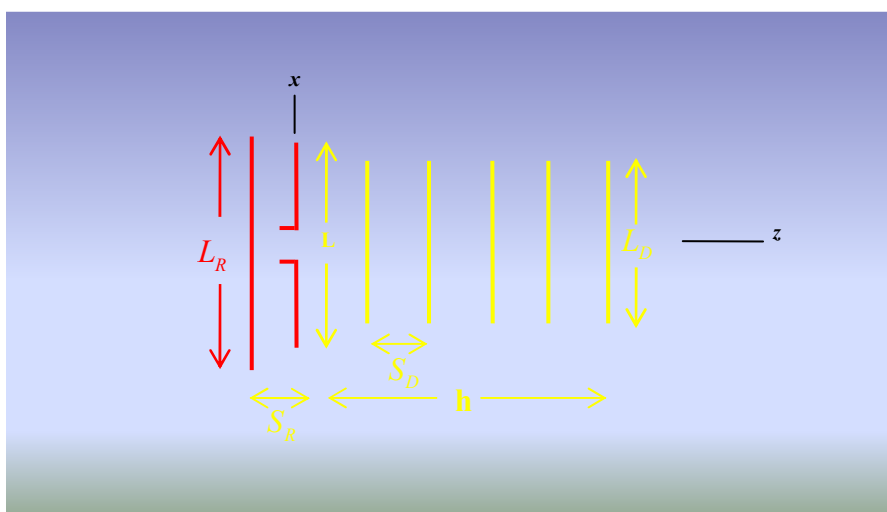


Figure - General Yagi-Uda antenna.

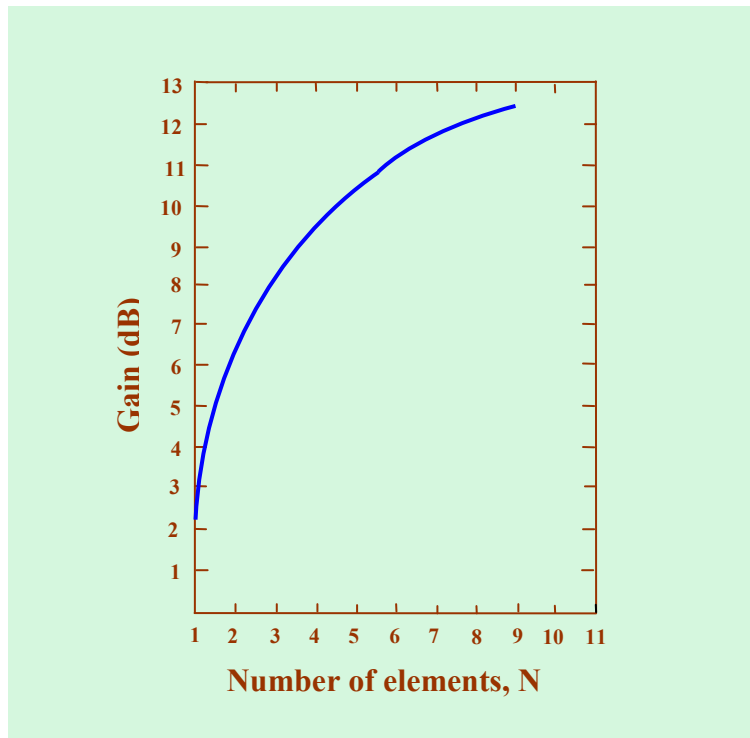


Figure - Gain of a typical Yagi-Uda antenna versus the total number of elements. The element spacing $S_R = S_D = 0.15\lambda$. The conductor diameters are 0.0025λ .

LOG – PERIODIC ANTENNA

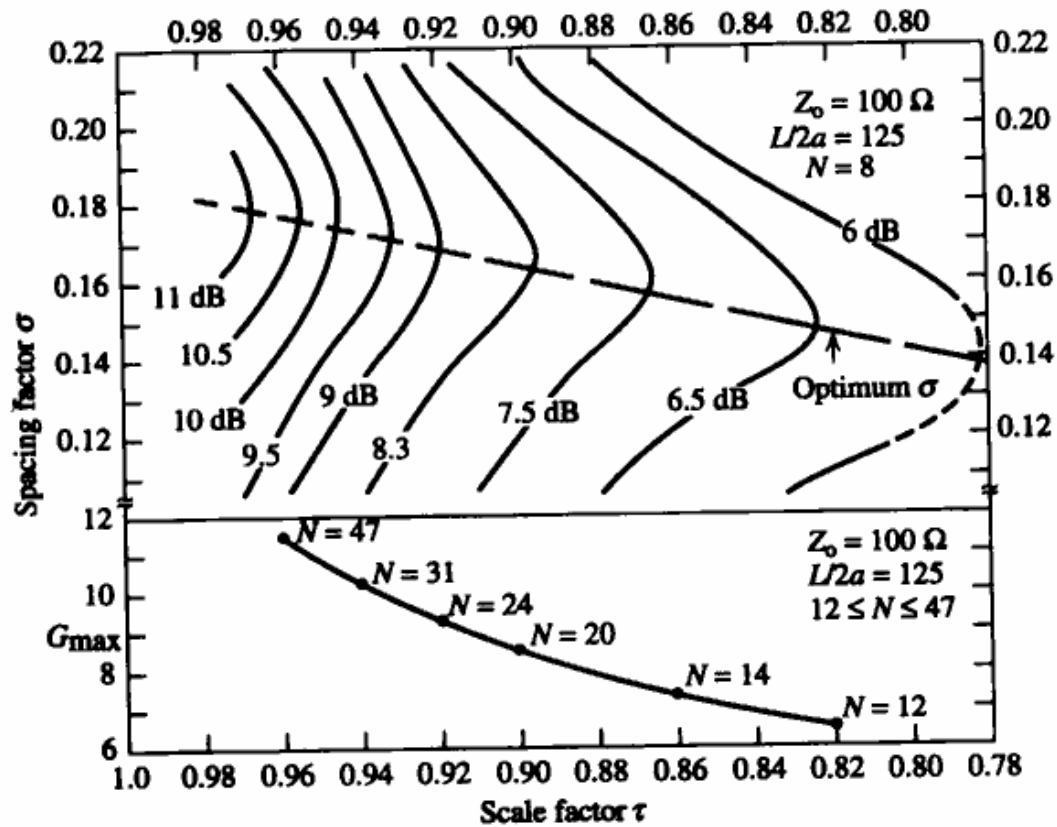
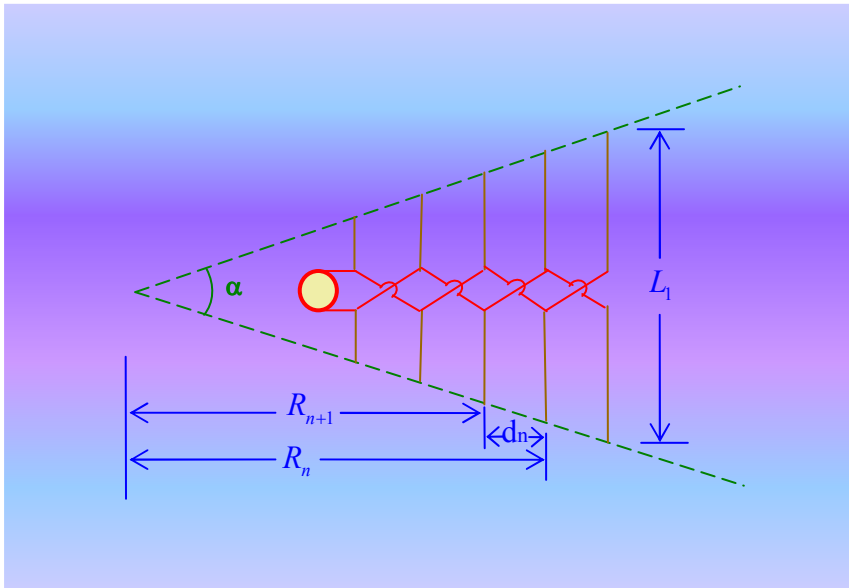


Figure - Gain of a log-periodic dipole array