## VSWR = s

$$s = \frac{1 + |\Gamma|}{1 - |\Gamma|}$$

$$\Gamma = \frac{s-1}{s+1}$$

$$=rac{U_{r}}{U_{v}}$$

$$\Gamma = \frac{Z_{ant} - Z_0}{Z_{ant} + Z_0}$$

$$RL = -20log_{10}(|\Gamma|)$$