

From 
$$2in = \frac{2}{20} \frac{2L + j20 tom(3L)}{20 + j2Ltom(3L)}$$

$$\frac{1}{2}$$
  $\frac{1}{2}$   $\frac{1}$ 

From 
$$\Gamma = \frac{2L-20}{2L+20}$$

$$= -0.266 + j0.22$$

and 
$$VSWR = 1 + |\Gamma|$$

$$1 - |\Gamma|$$

$$= 1 + \sqrt{(-0.266)^2 + 0.28^2}$$

$$1 - \sqrt{(-0.261)^2 + 0.28^2}$$

Hence, Input Impedance is 69.706-j52.95, Reflection Coefficient is -0.266+j0.22 and USWR is 2,054 XX

