Subject: Date

3



Genser corp seer dB Reviser como pour con grack Phs = 8.56 Ro= 141.8 100 Ser = (1+1,) V2 V2 = 50 [hp//(Rs+50)]} = 50 (Pp (Bs+50)) = 0.7077 (Prst 50) The + Pro(Rst 50) The + Pro(Rst 50) Sz1 = (1-3/12) 0.7077 - 0.7076 ~ -20/0910 (0.707B) = 3.008 dB S= 0.9245° 0.9245°] a) es reciproca poi que Szi = Siz b) $Z \le S_{Ki} \le S_{Ki}^* = 1$, $|S_{11}|^2 + |S_{12}|^2 = 0.8125 \ condicion.$ $|S_{21}|^2 + |S_{12}|^2 = 0.8125 \ condicion.$ c) V=Sv+ : V, = S11V, + +S2V2+ -> V1- = S1 + S12 V2 $V_2^- = S_{21}V_1^+ + S_{22}V_2^+ - \frac{V_2^-}{V_2^+} = S_{21}\frac{V_1^+}{V_2^+} + S_{22}$ es abreto por lo terto hay full reflection 12 = Vi = ZL-Zo = 1 1 = Sz, Vit + Szz = 7-Szz = Sz, Vit -> Sz, = Vz (1-Szz) en el proto 7-0 VI = SII + SI2 (S21) $\frac{1}{1-5}\frac{\sqrt{2}}{\sqrt{1+1}} = \frac{521}{(1-522)}$

