$Z_{\rm in}$  desired input impedance in  $\Omega$  $Z_{\text{out}}$  desired output impedance  $Z_{\text{in}} = Z_{\text{out}}$ a attenuation is  $6 \, dB$ Splitted attenuator  $R1 = R2 = R3 = \frac{Z_{\text{out}}}{\hat{}}$