



Reflection Coefficient:

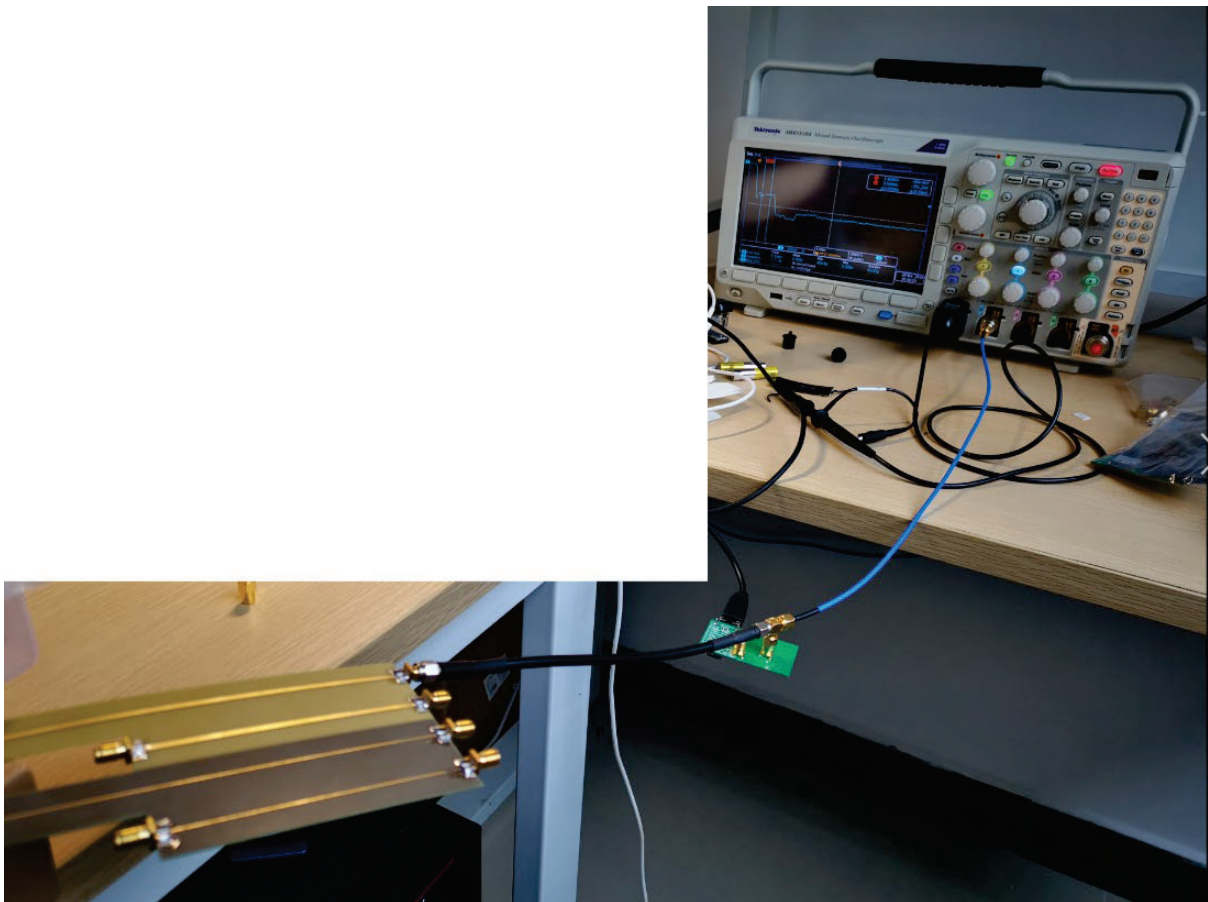
$$\rho = \frac{V_r}{V_i} \quad (1)$$

ρ : How much was reflected.

Impedance calculated from source impedance and reflection coefficient:

$$Z_L = Z_0 \frac{1+\rho}{1-\rho} \quad (2)$$

Measurement Example:



Instrument Setup

Set the input impedance of the oscilloscope to be 50 Ohm. And then, configure the oscilloscope to the falling edge trigger mode and set the trigger close to the left side of the screen. The result should be similar as the following picture.