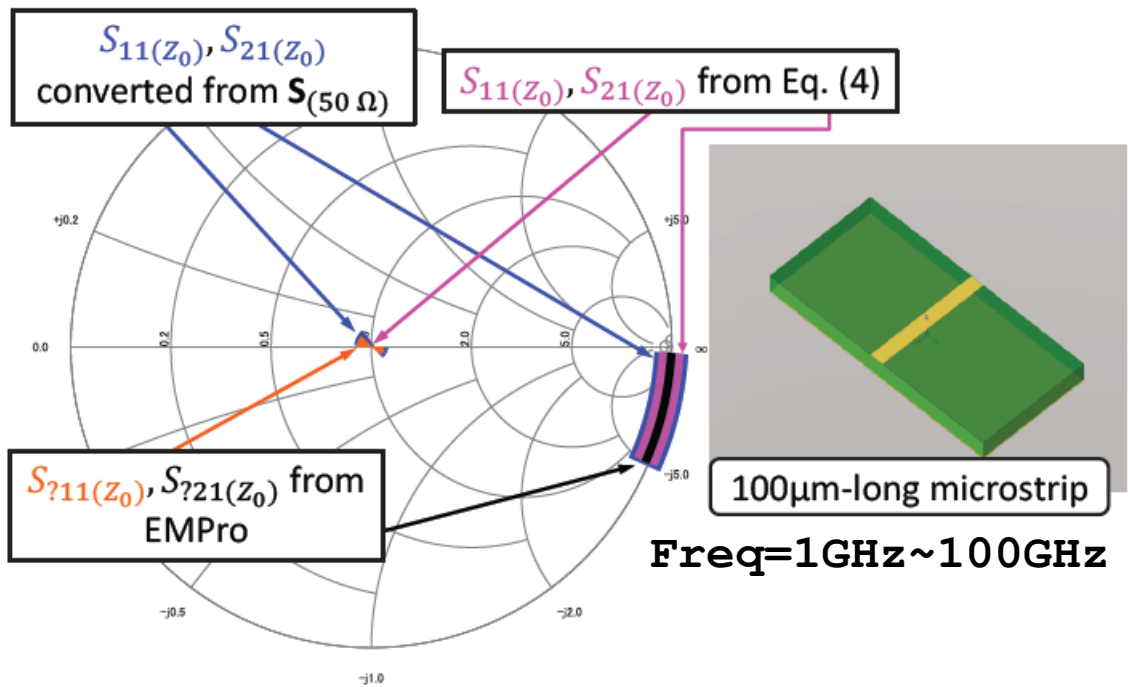
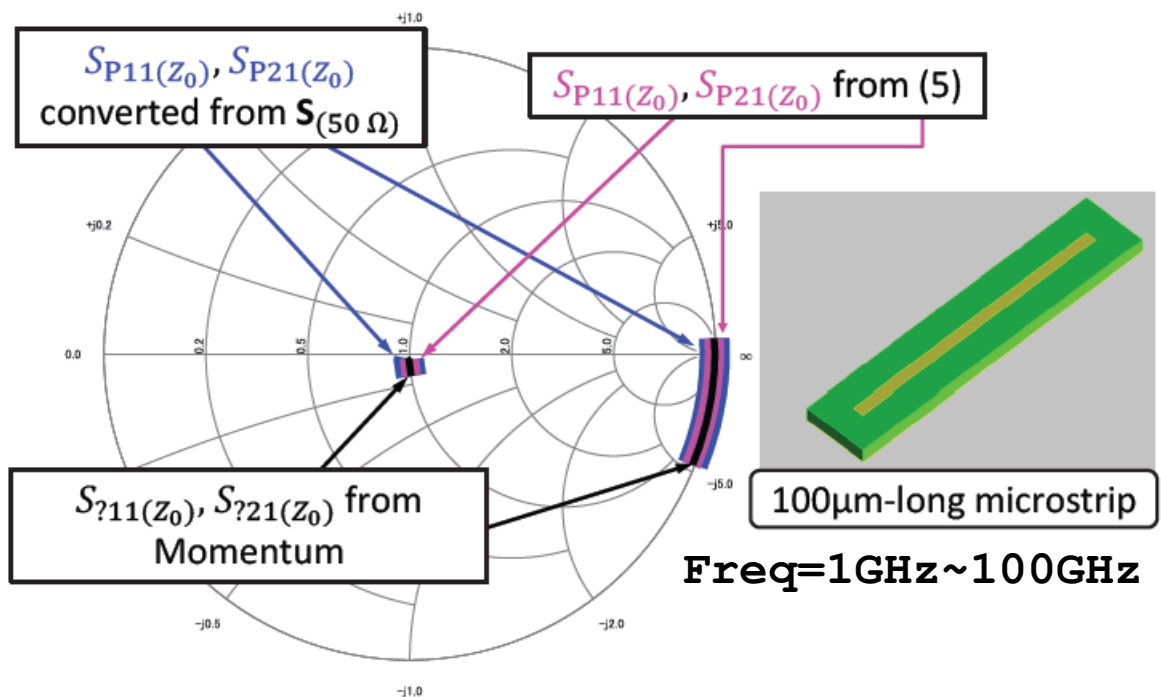


$$S_{(Z_0)} = \begin{bmatrix} 0 & e^{-\gamma \ell} \\ e^{-\gamma \ell} & 0 \end{bmatrix}. \quad (4)$$



$S_{?11}(Z_0)$  is located at center,  
 $S_{?21}(Z_0)$  shows phase lag

$$S_P(Z_0) = \frac{1}{2Z_0} \begin{bmatrix} j\Im(Z_0) & \Re(Z_0) e^{-\gamma \ell} \\ \Re(Z_0) e^{-\gamma \ell} & j\Im(Z_0) \end{bmatrix}. \quad (5)$$



$S_{?11}(Z_0)$  is not located at center,  
 $S_{?21}(Z_0)$  shows phase lead at low frequency