Diameter Correction Method Fit
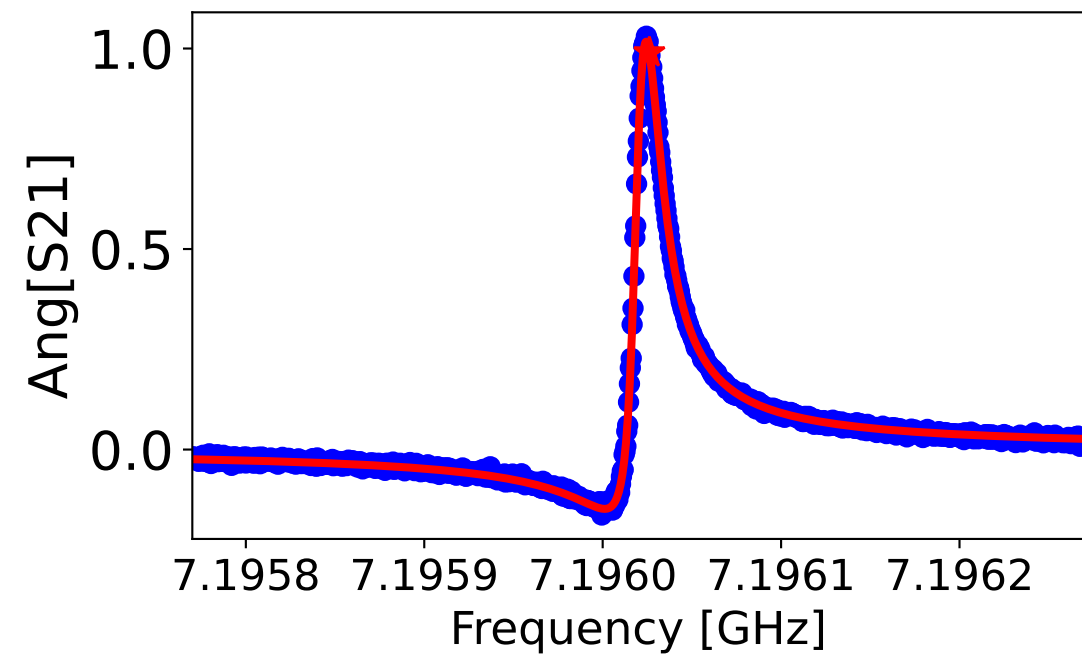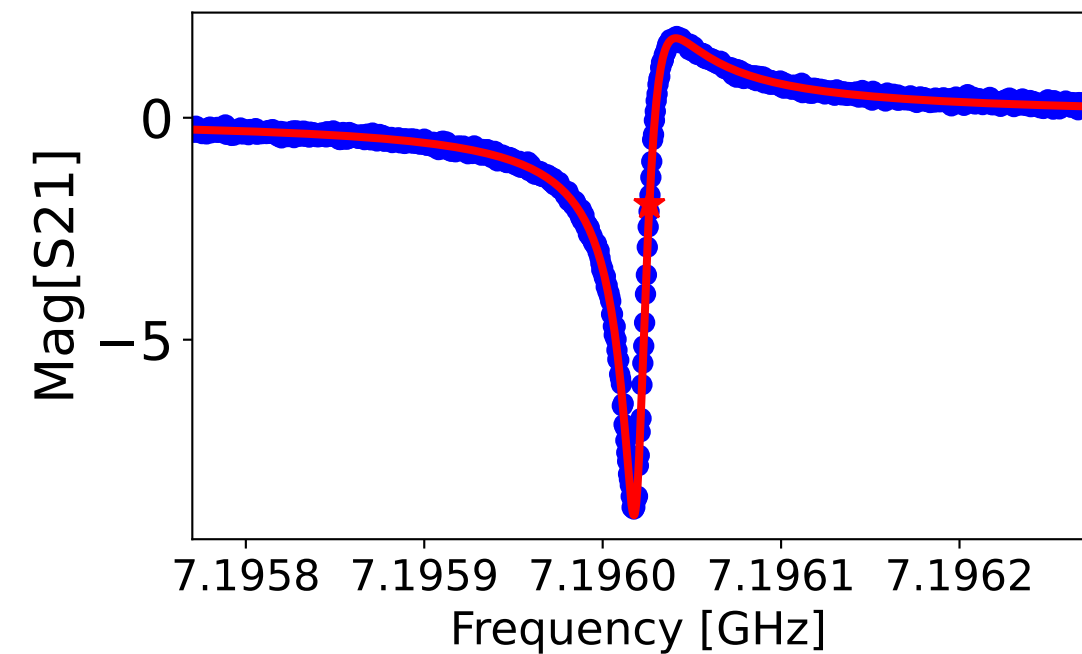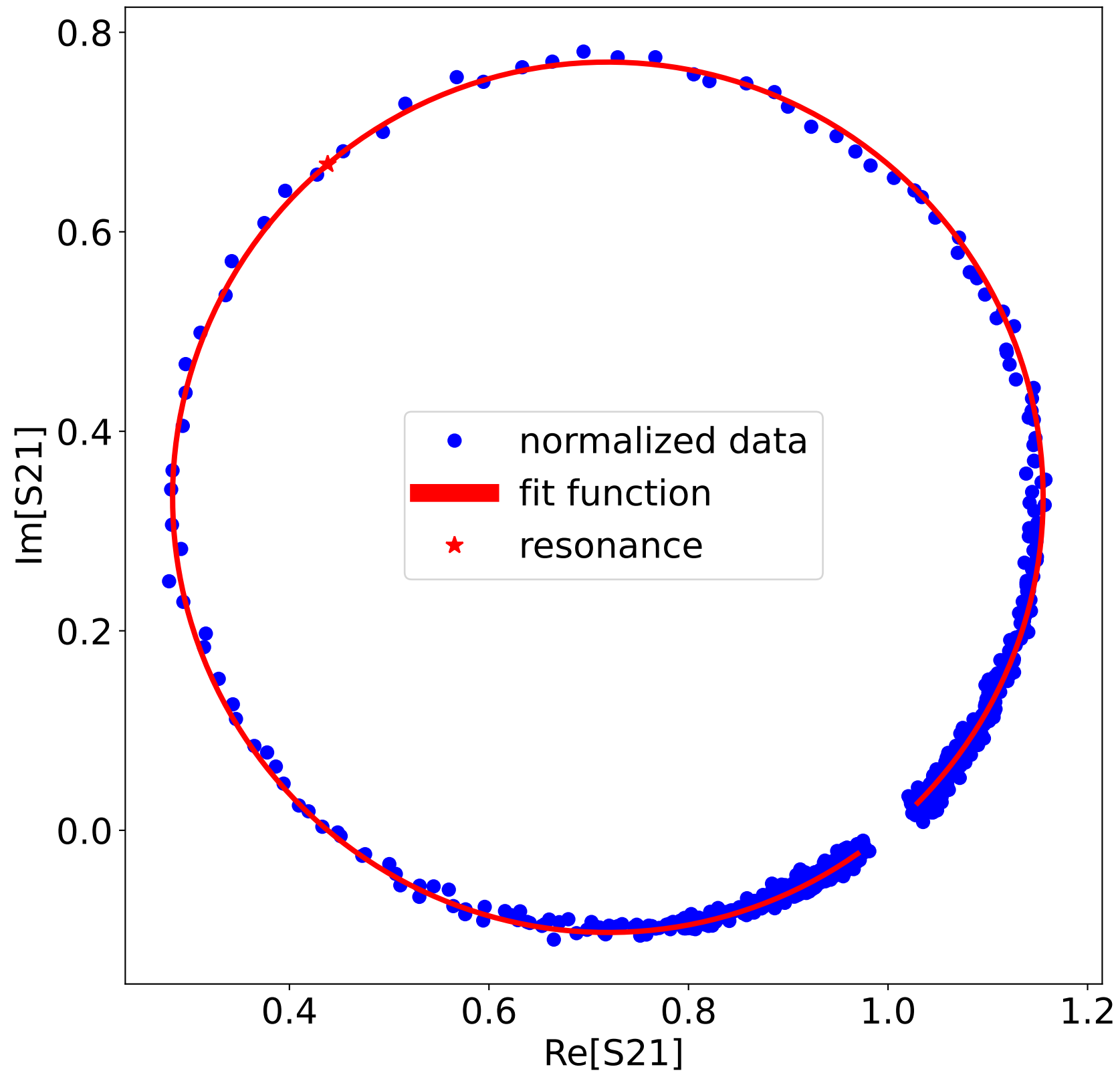
$Q = 317900\pm1979.570$
$Q_i = 725000\pm15819.556$
$Q_c = 364300\pm2051.232$
$1/\mathrm{Re}[1/Q_c] = 566000\pm3186.679$
$\phi = -0.872\pm0.006$ radians
$f_c = 7.1960261\pm0.000$ GHz