

$$S_{21}(f) = ae^{-2\pi j f au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.248771153$

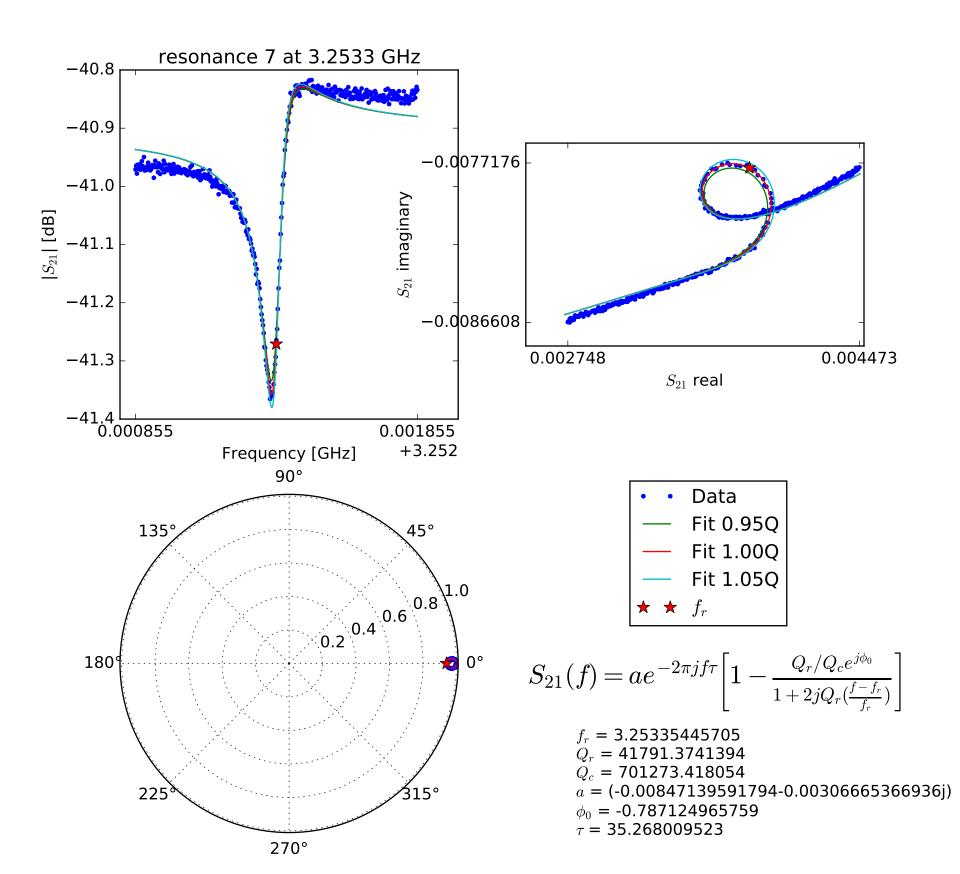
 $Q_r = 41743.6163861$

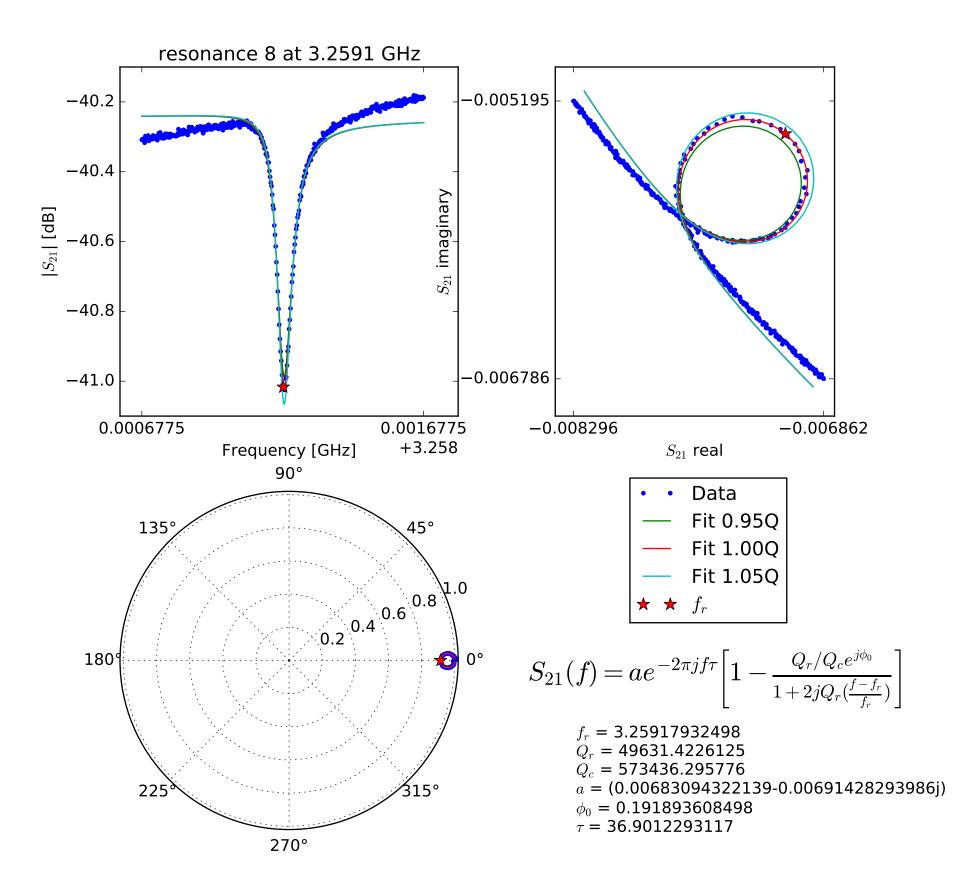
 $Q_c = 698440.010895$

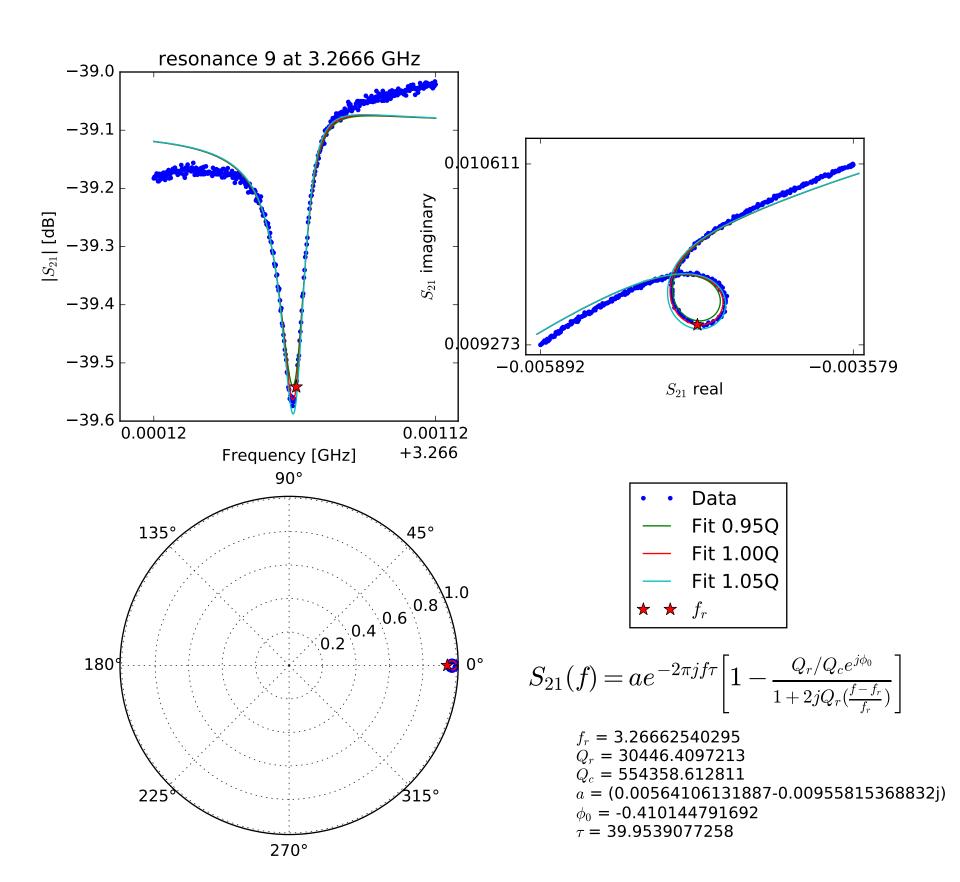
a = (-0.0043481876074 - 0.00773200823104j)

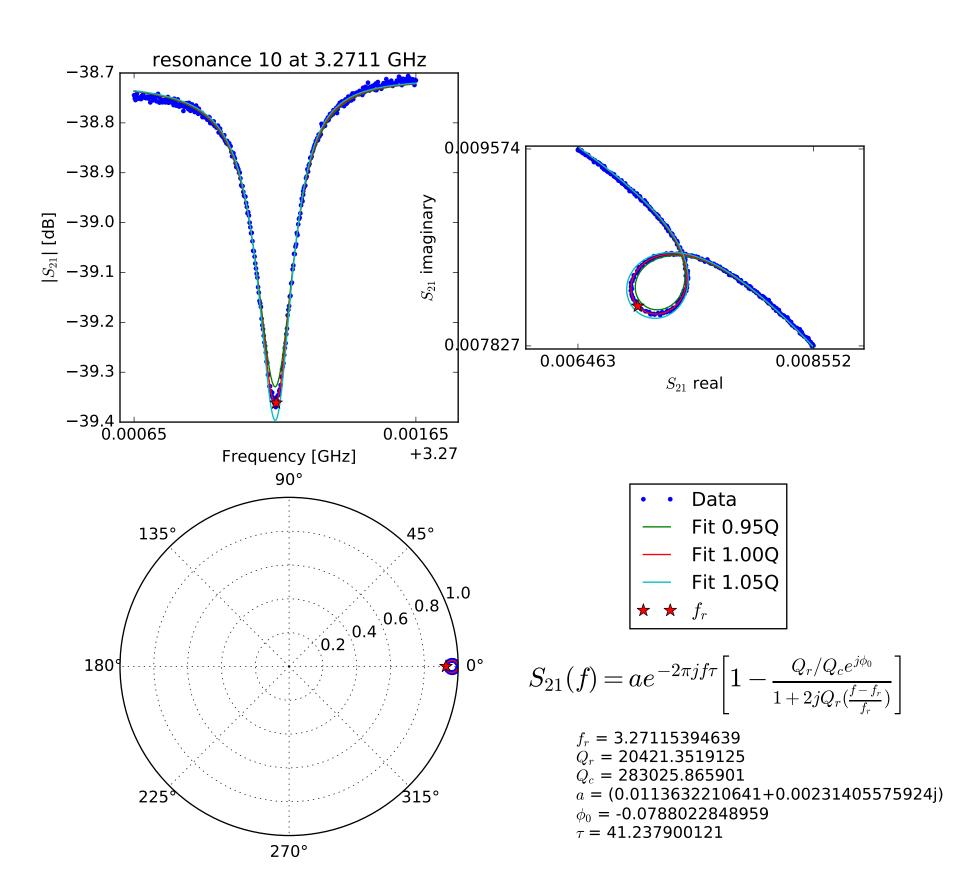
 $\phi_0 = 0.568773105965$

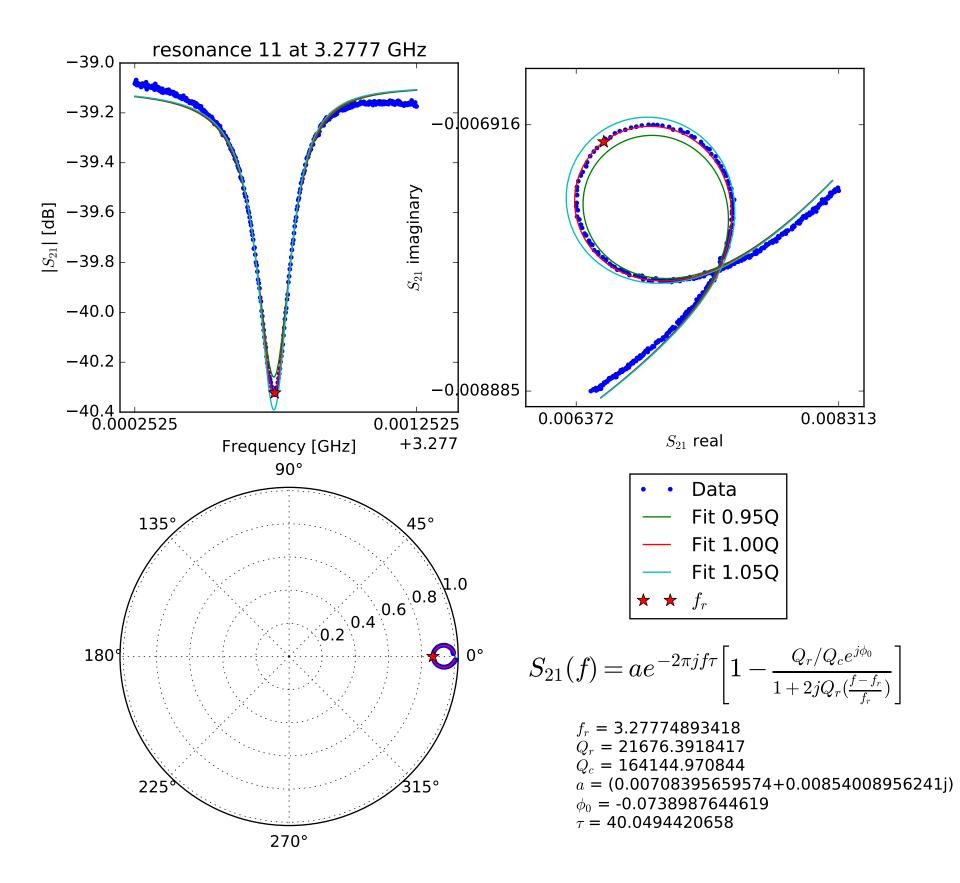
 τ = 35.3030733627

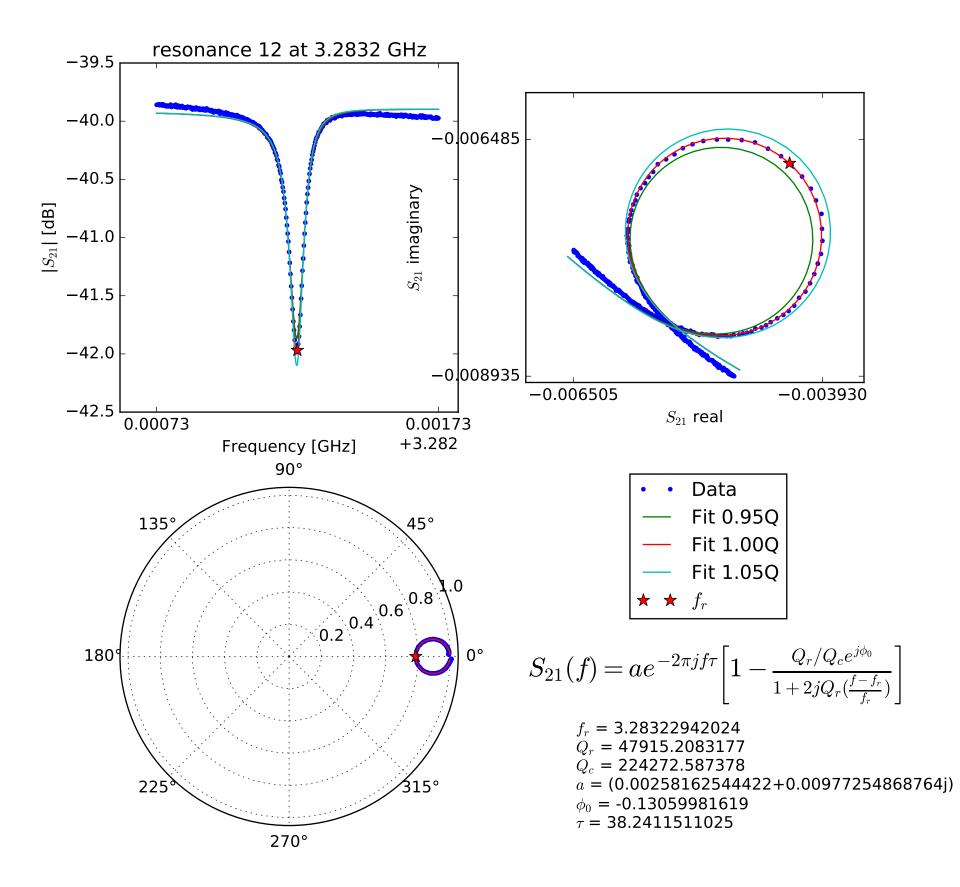


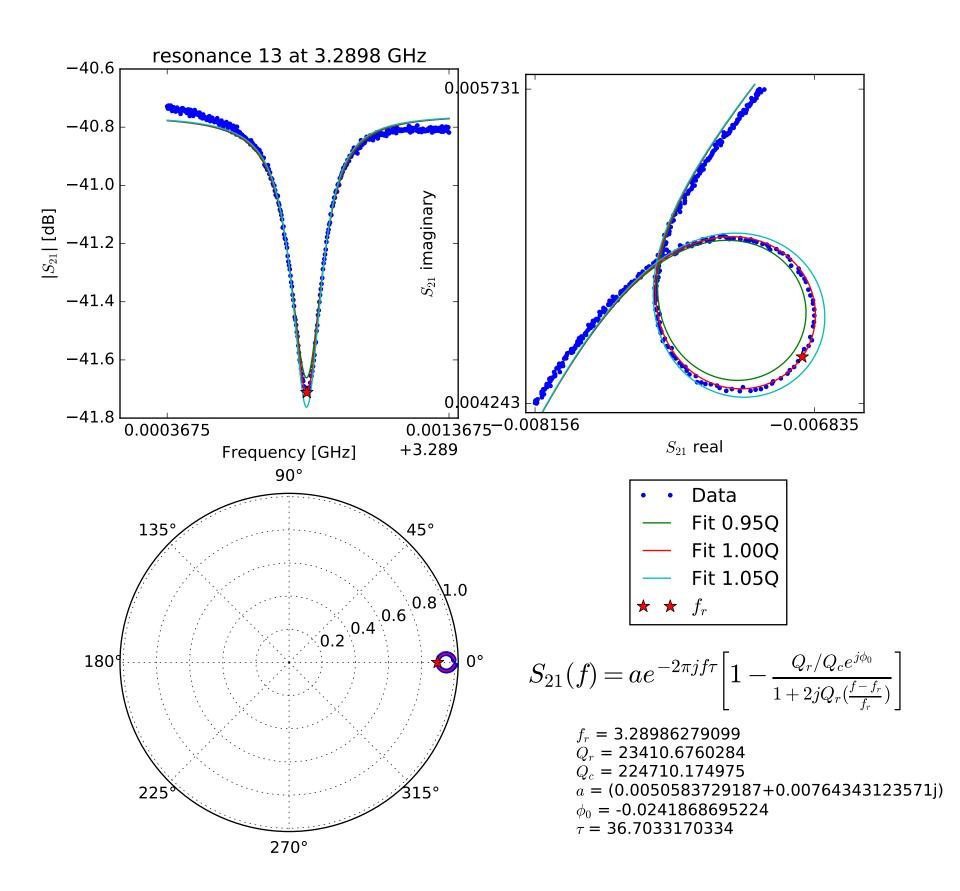


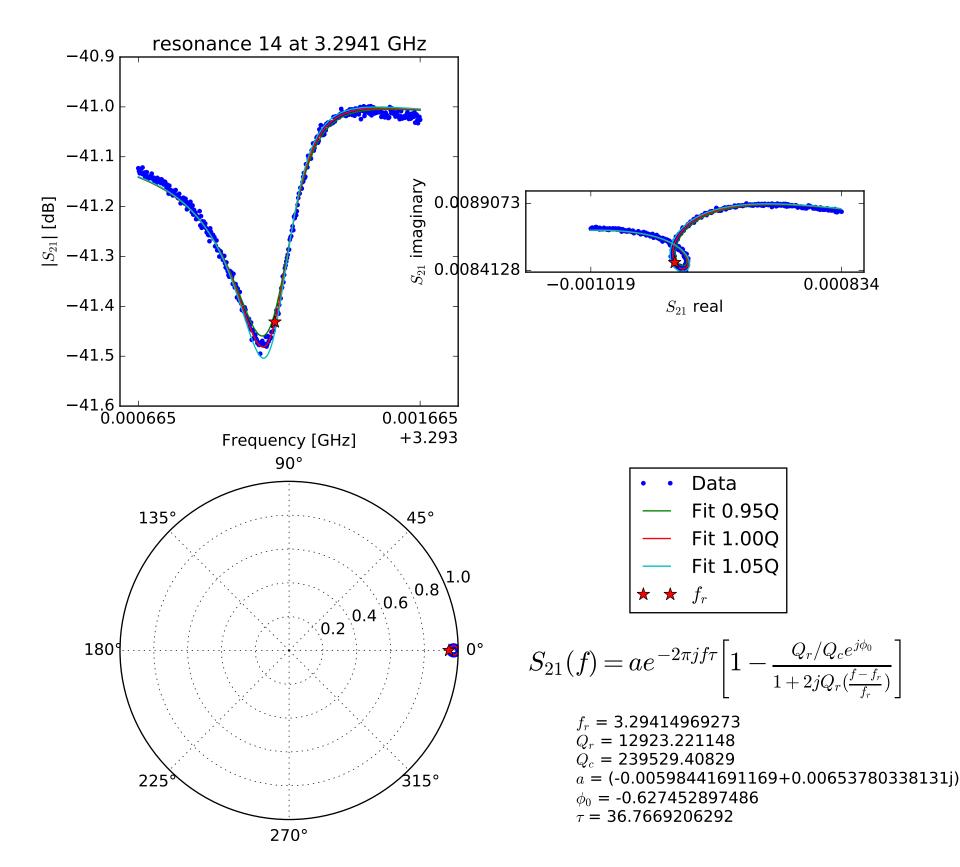


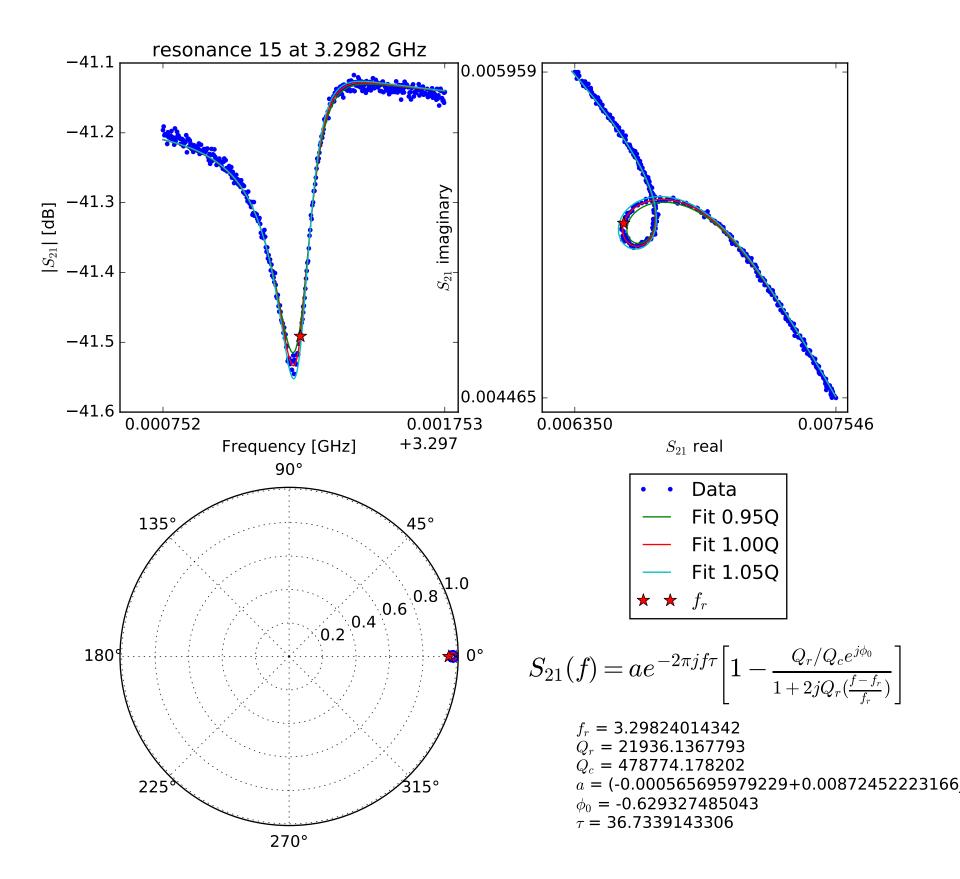


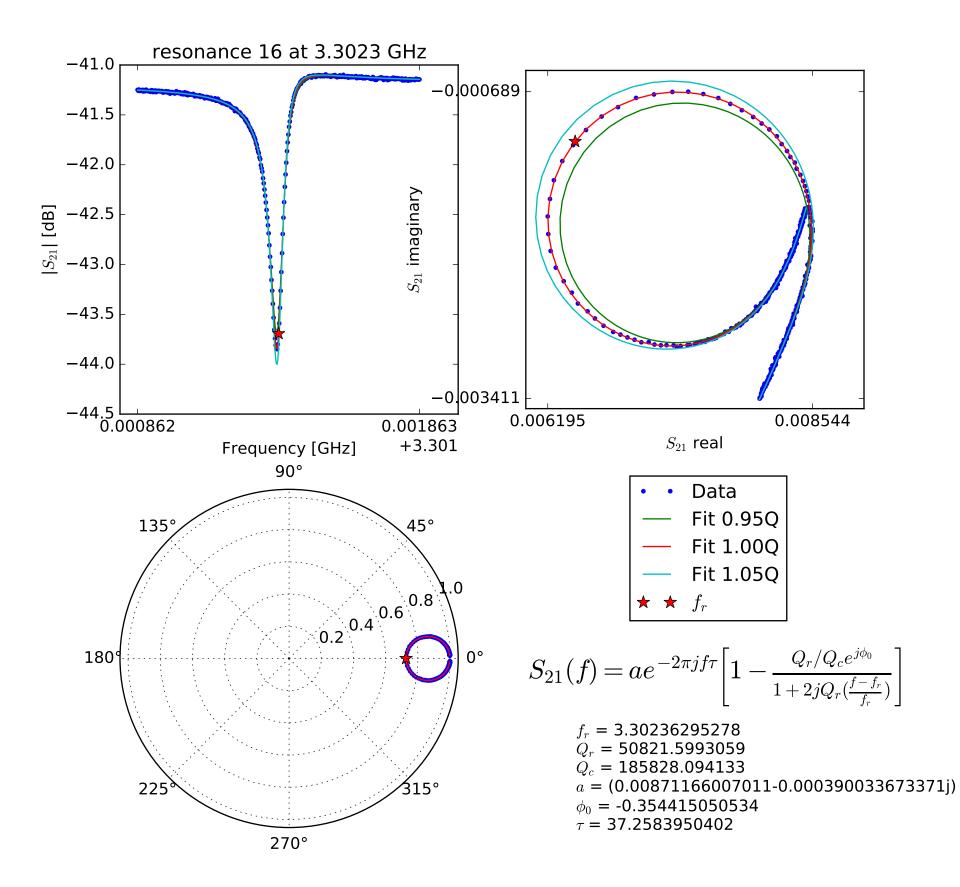


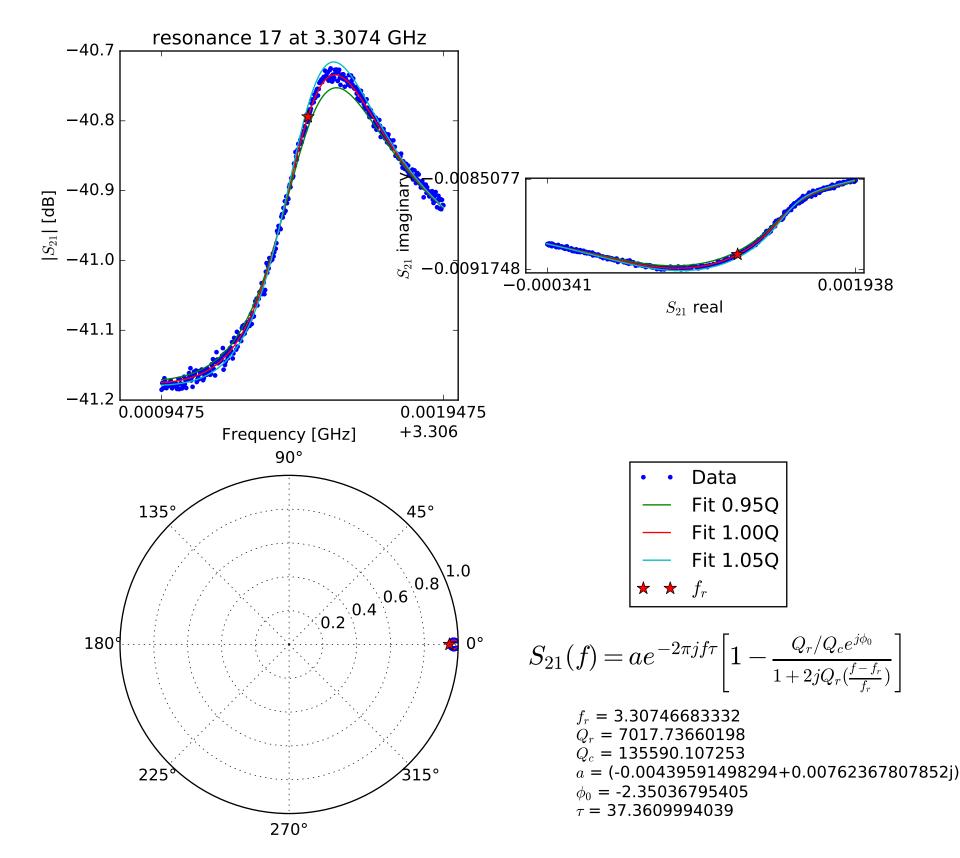


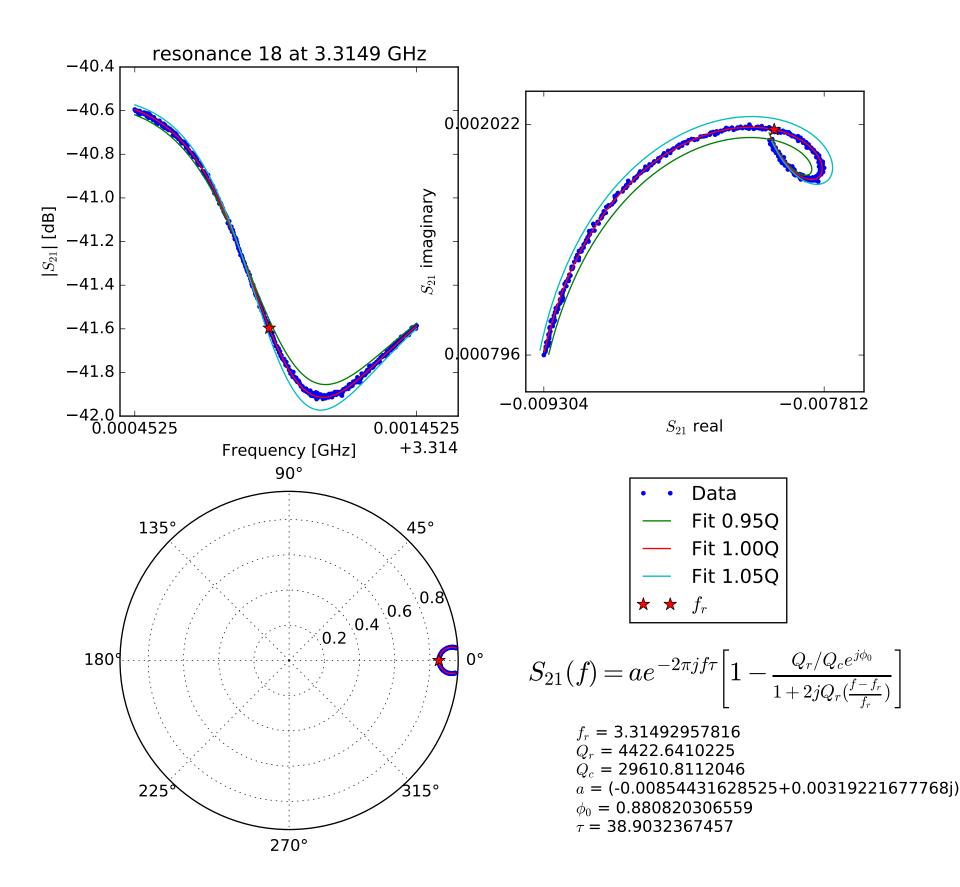


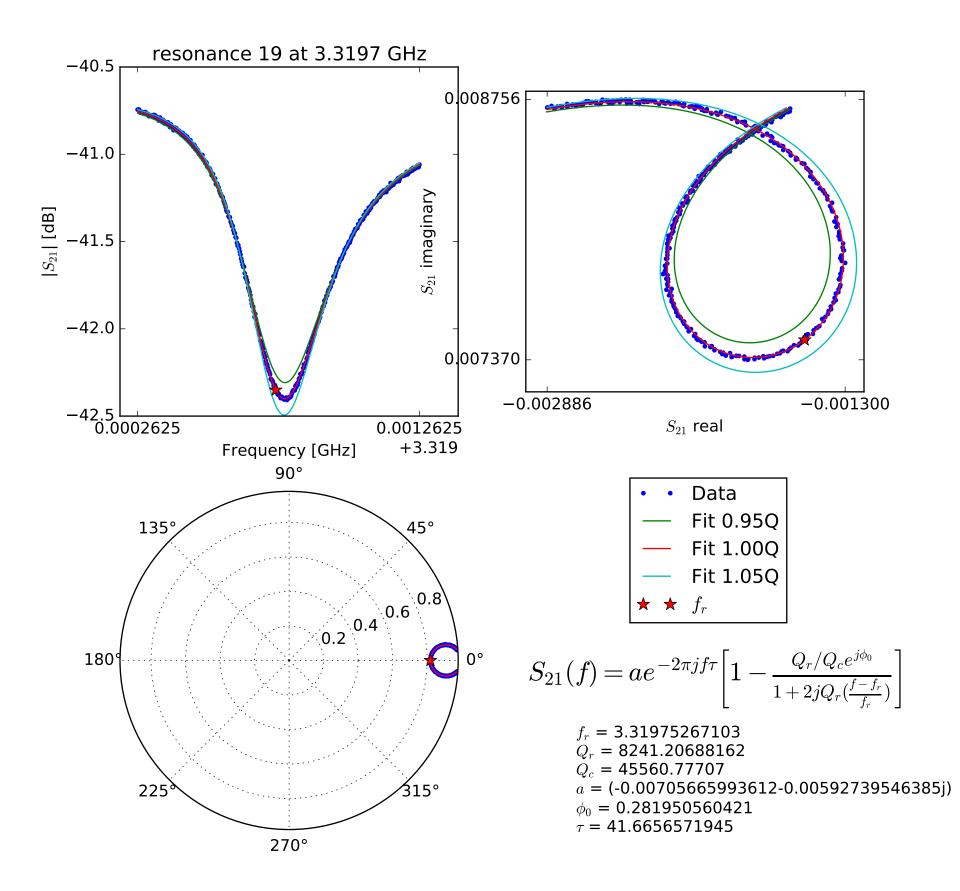


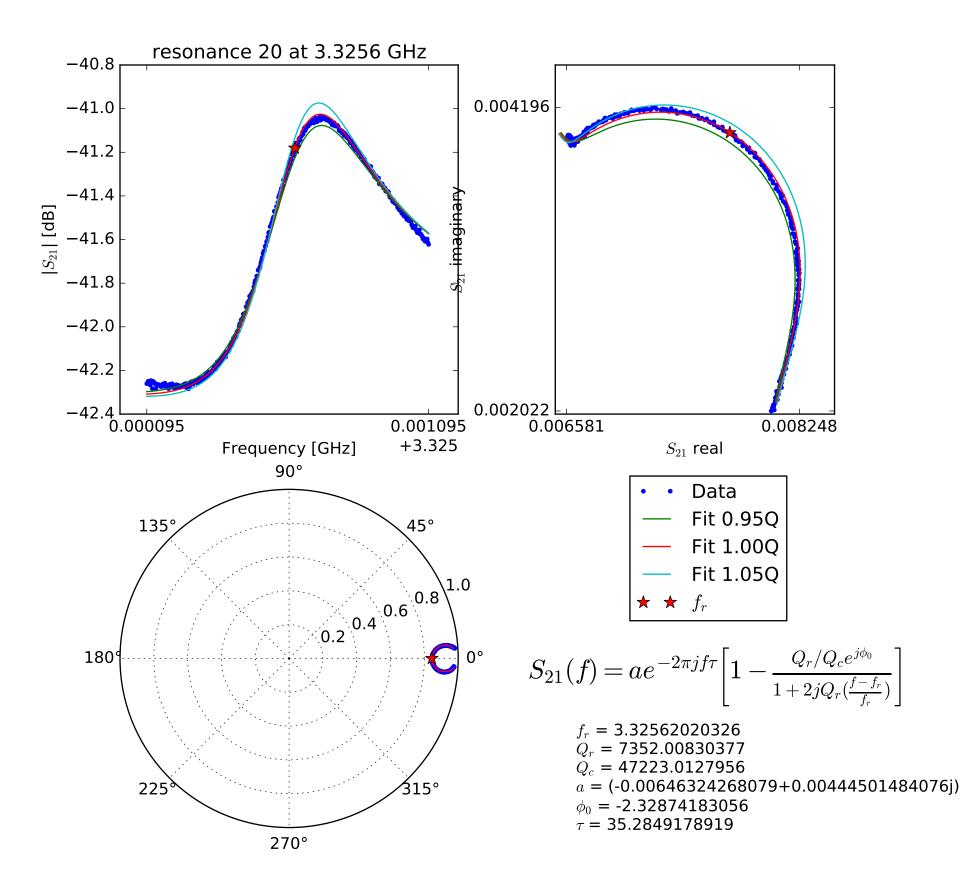


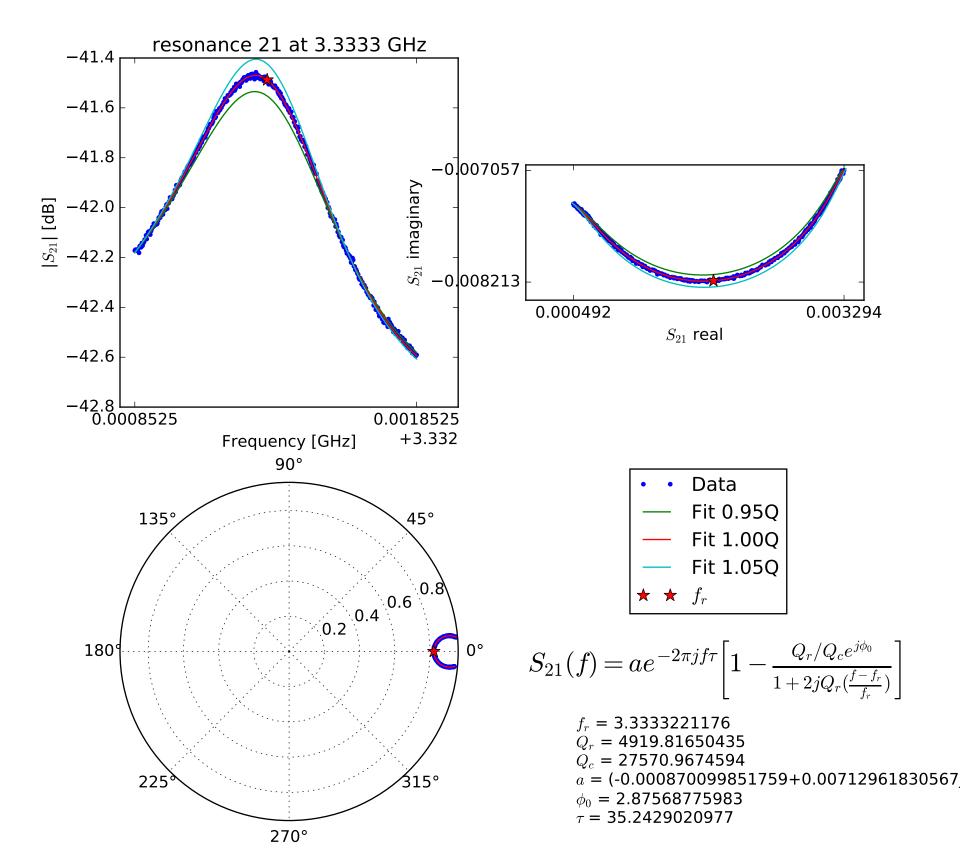


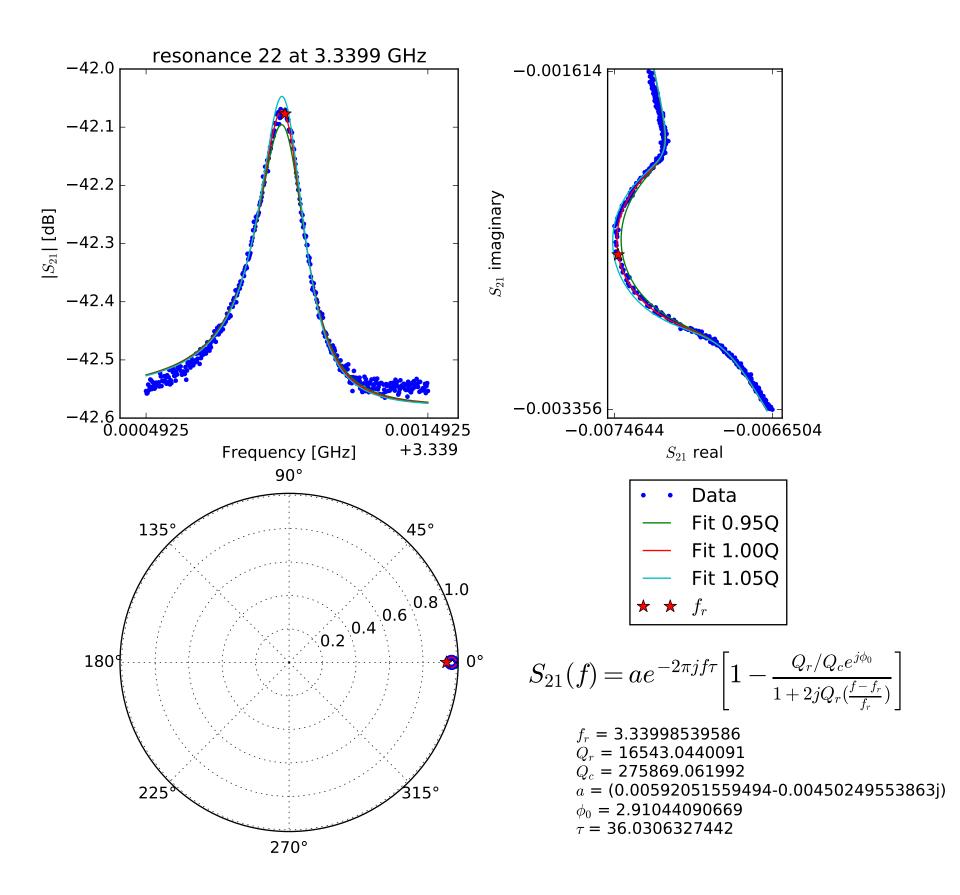


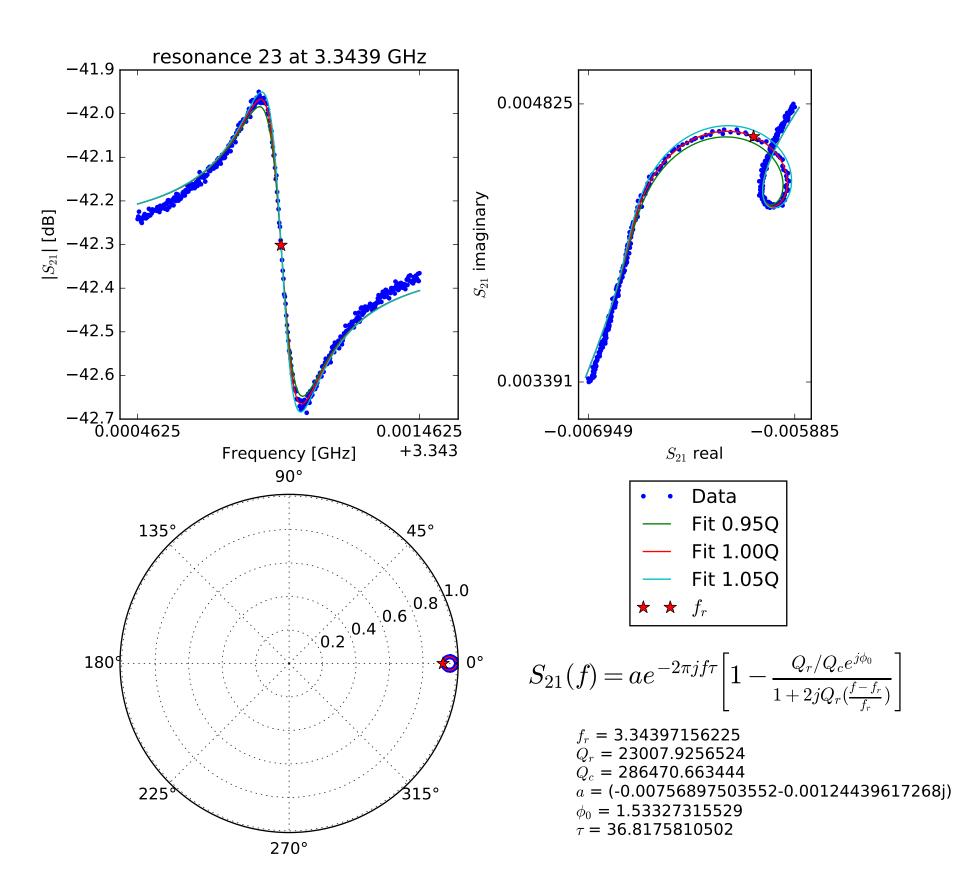


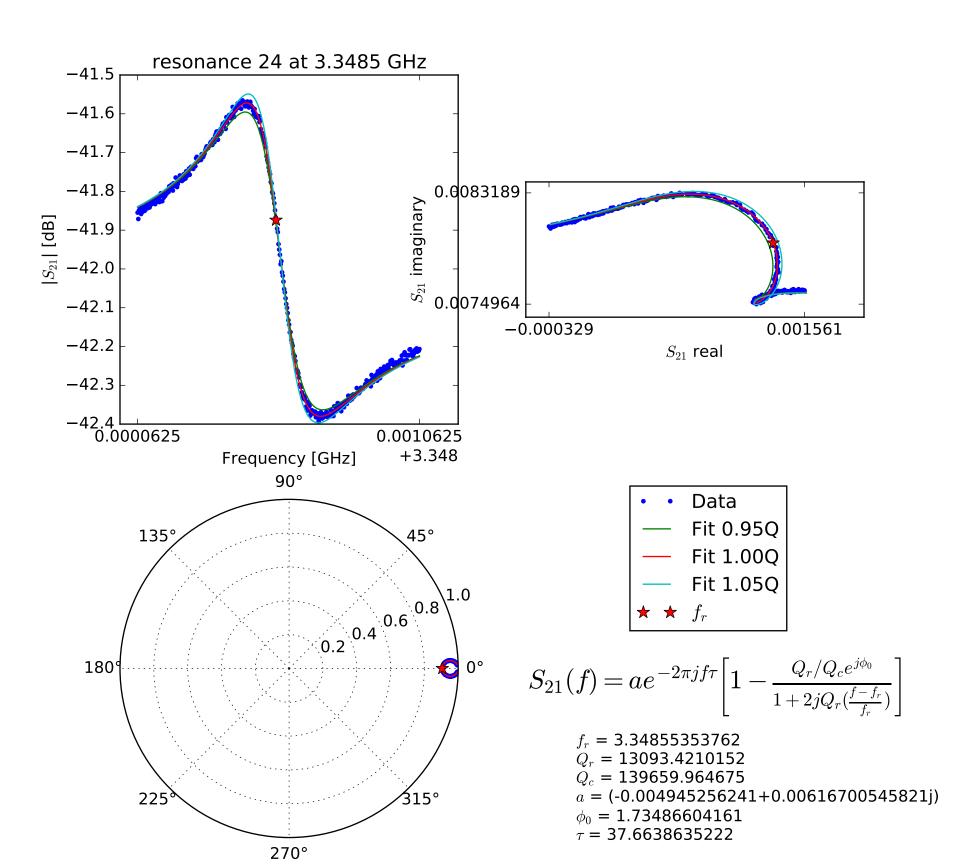


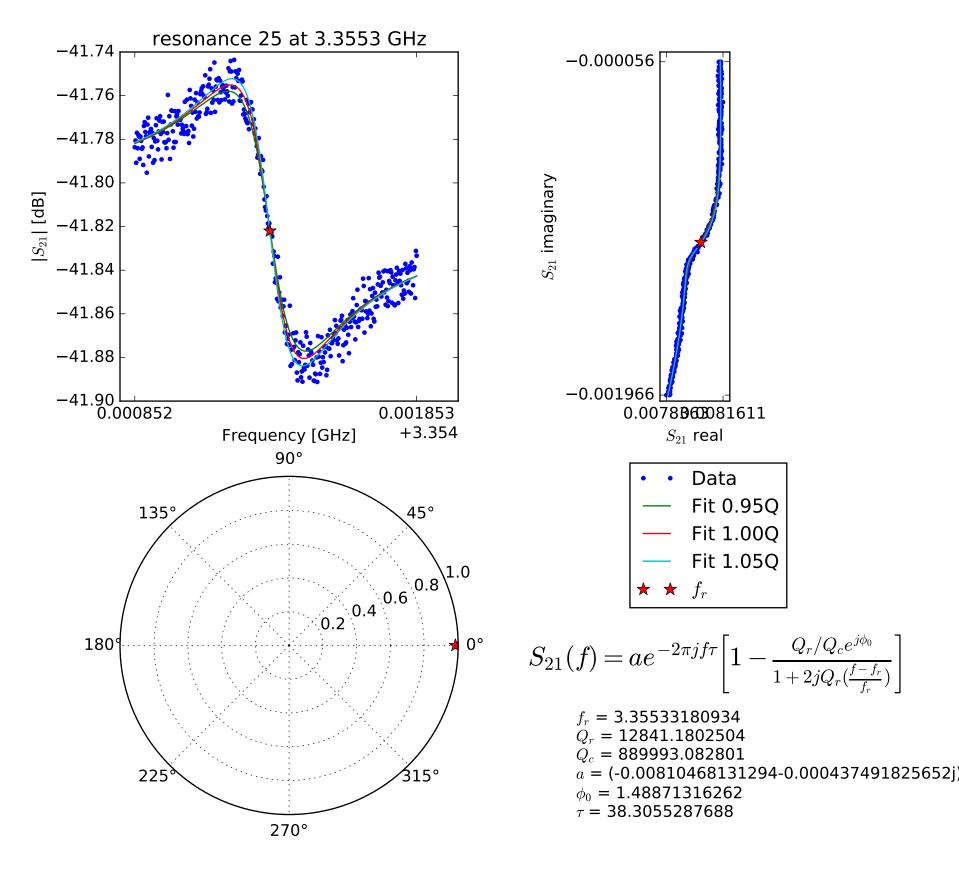


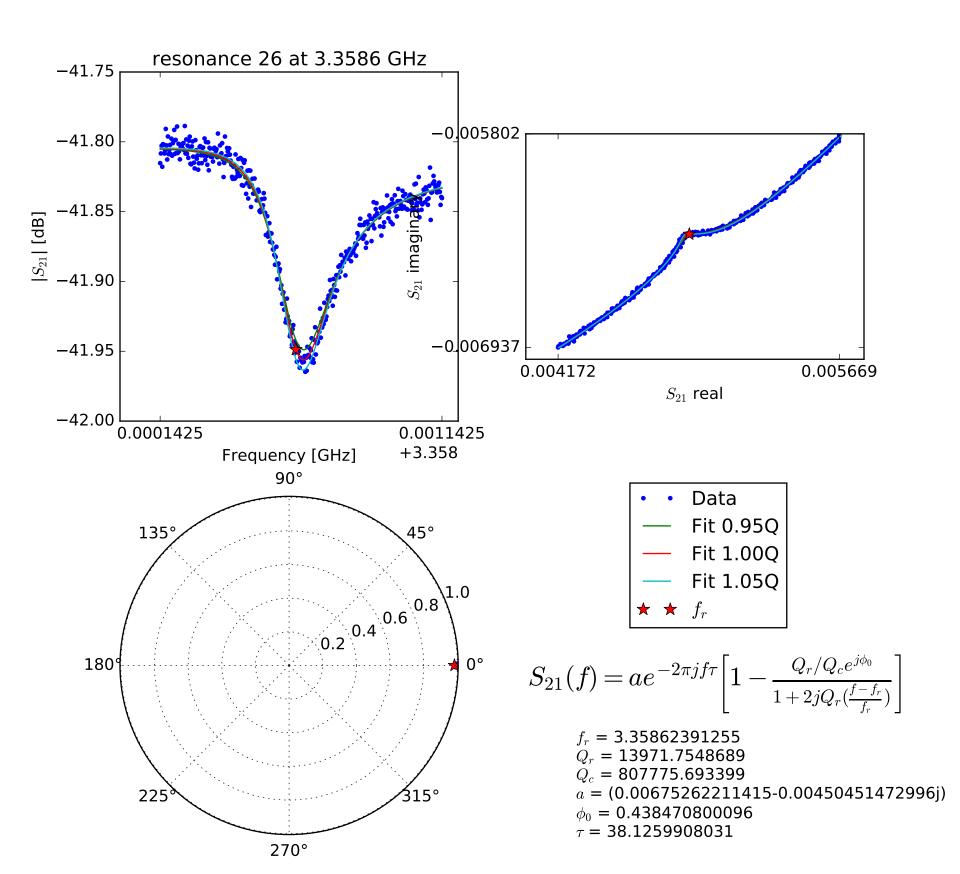


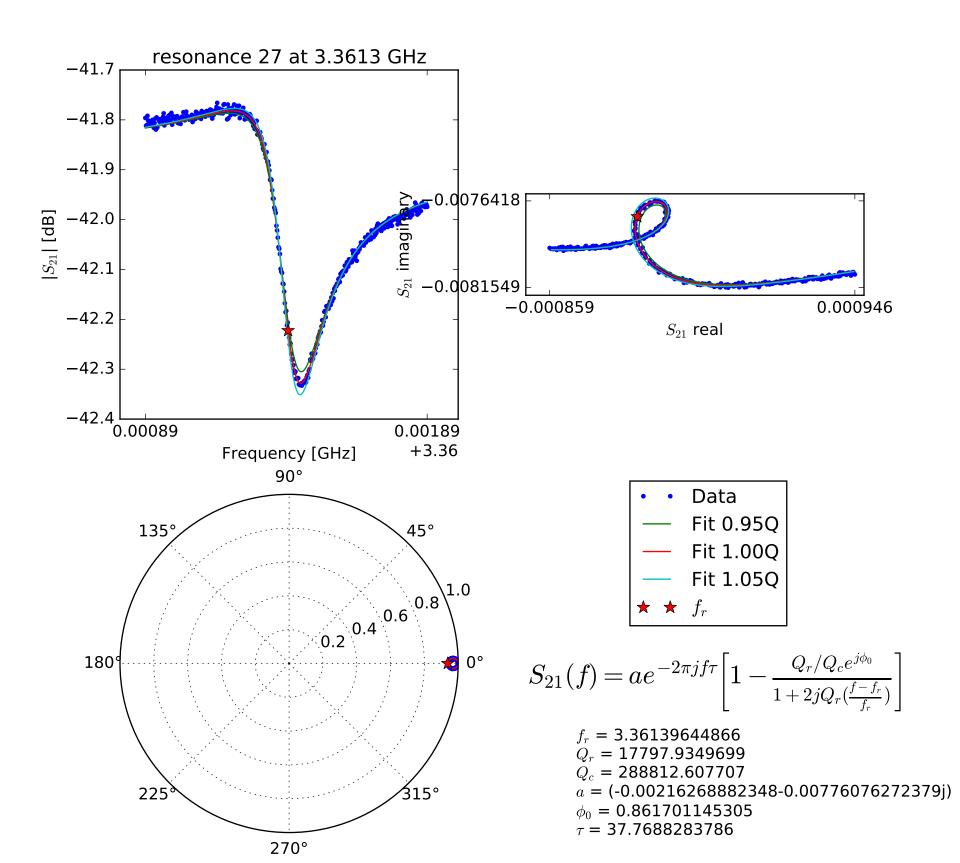


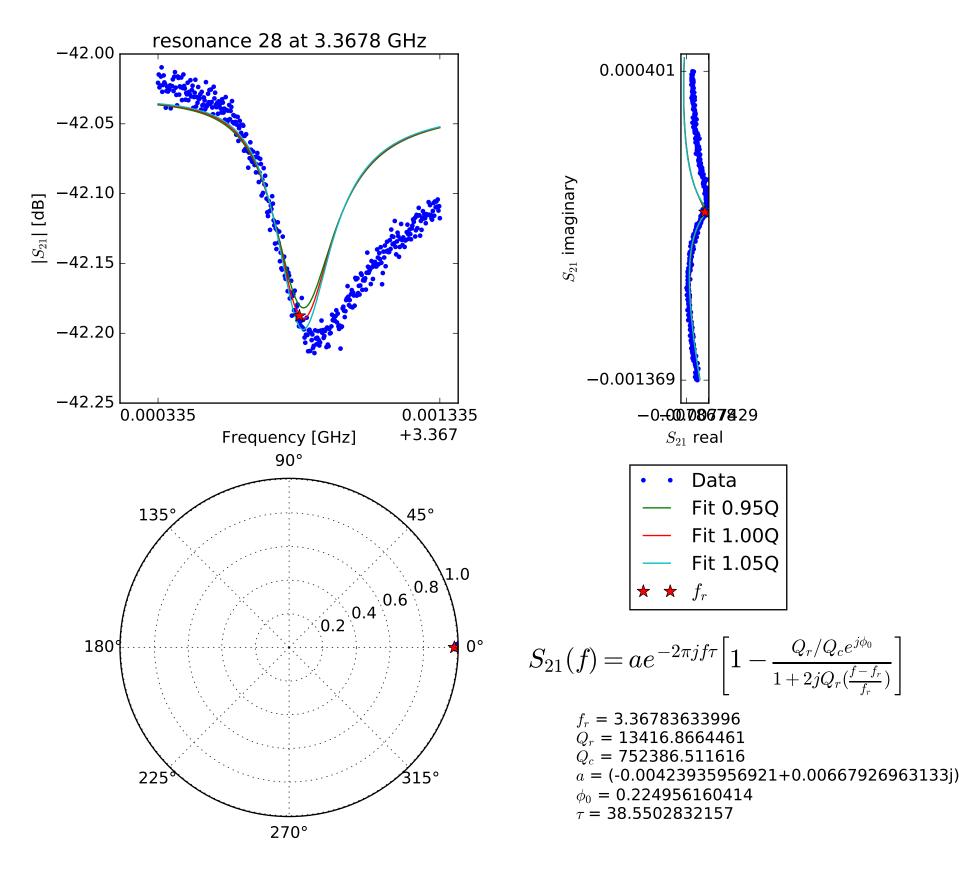


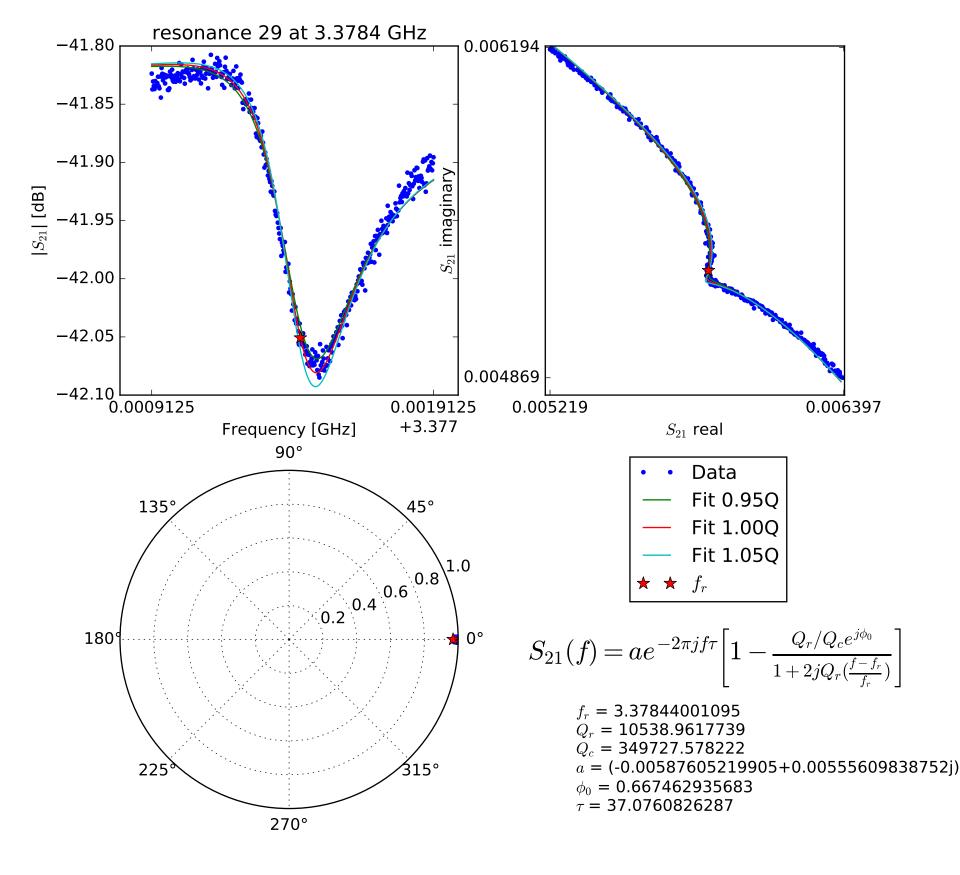


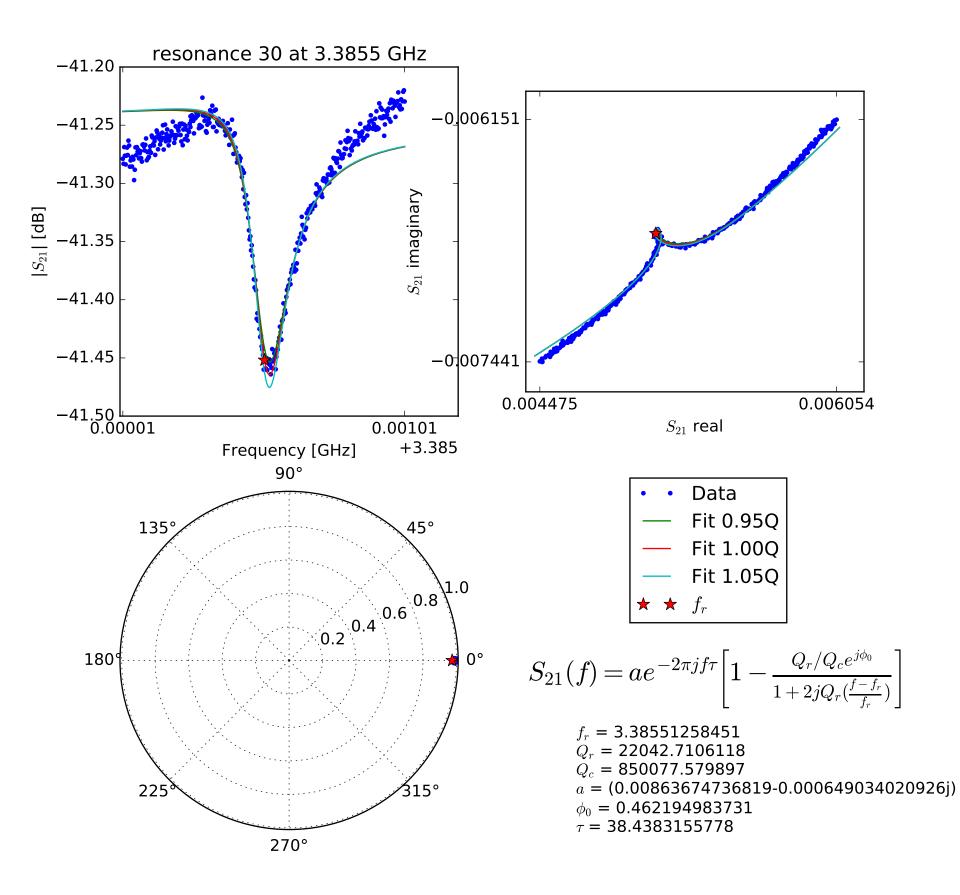


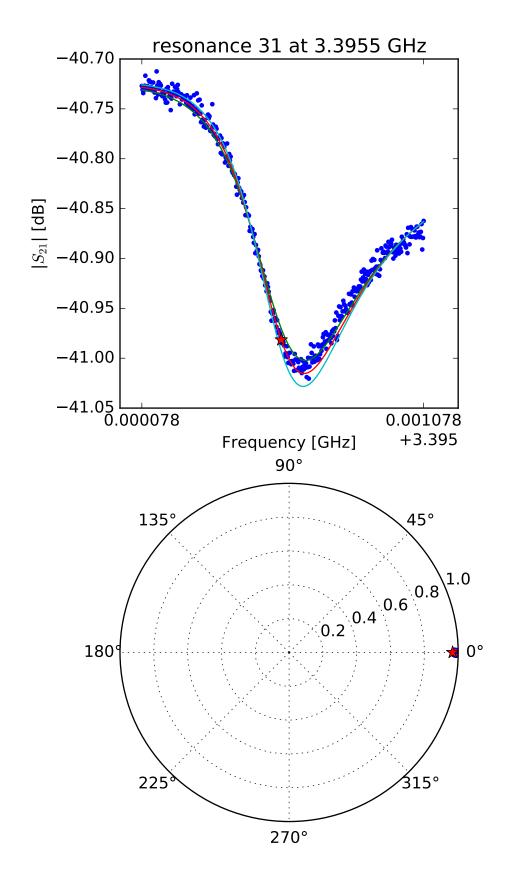


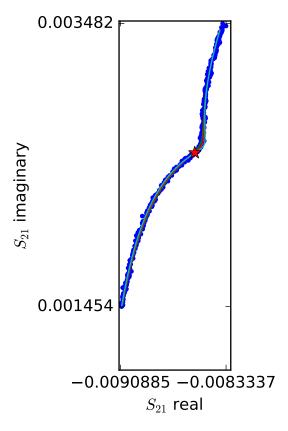


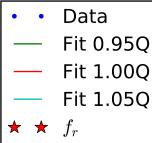












$$S_{21}(f) = ae^{-2\pi jf au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

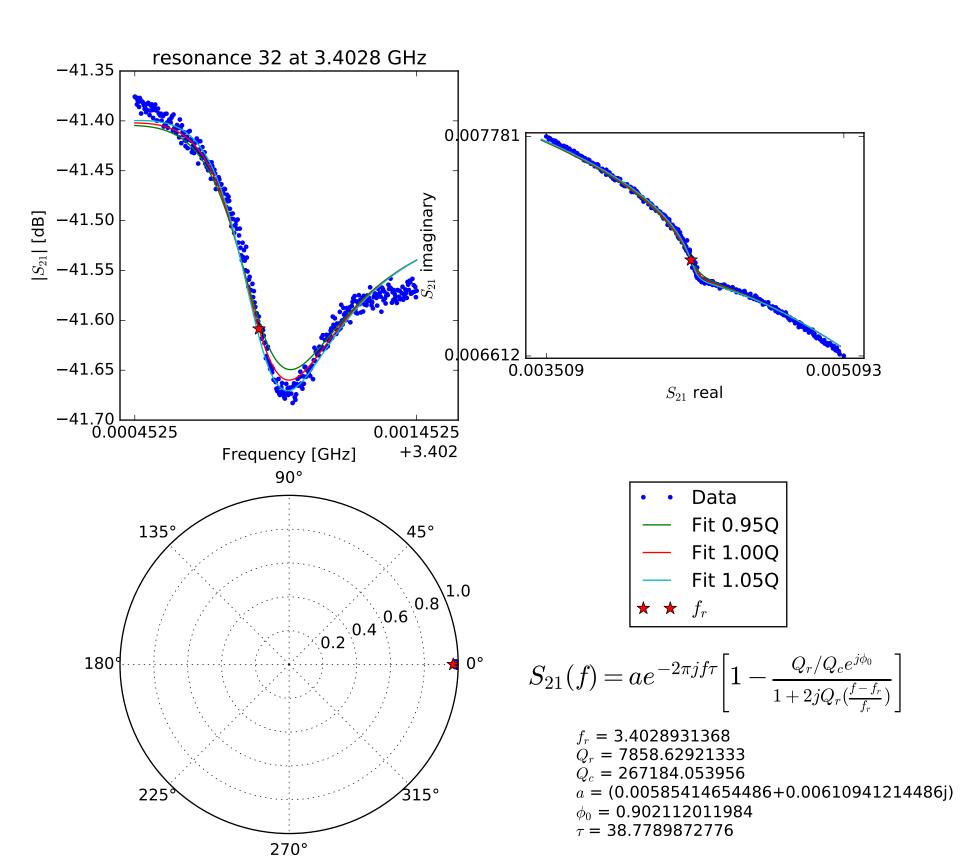
 $f_r = 3.39557212155$ $Q_r = 7429.57444341$

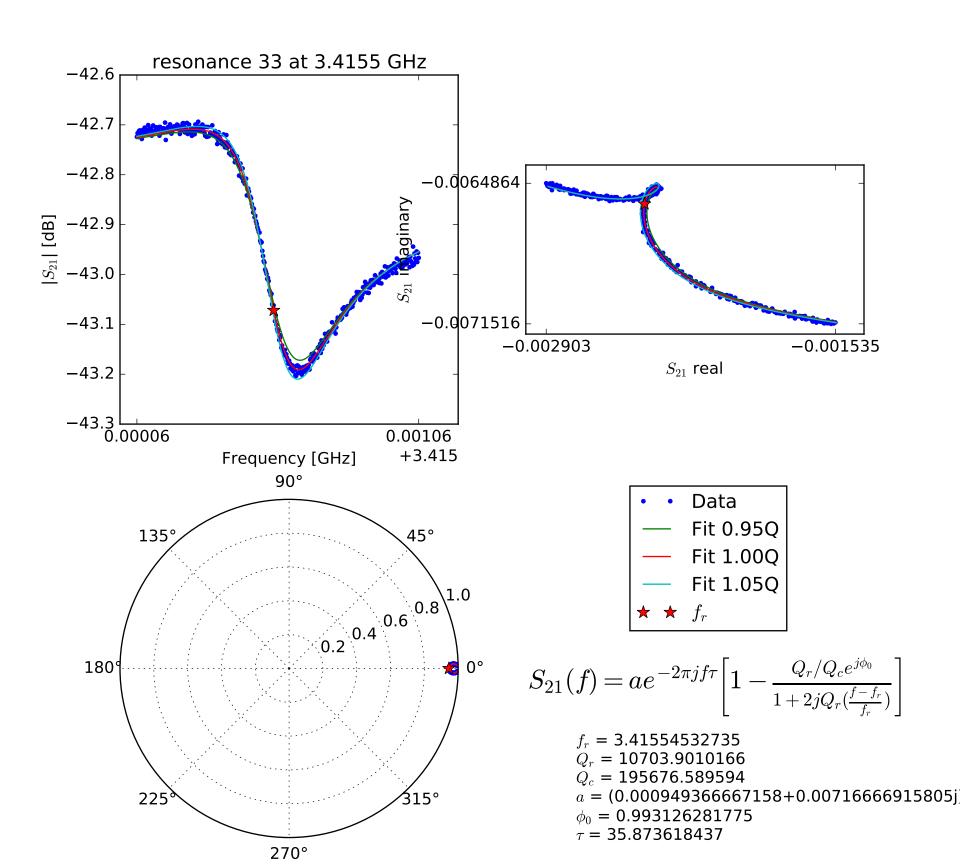
 $Q_c = 226010.31724$

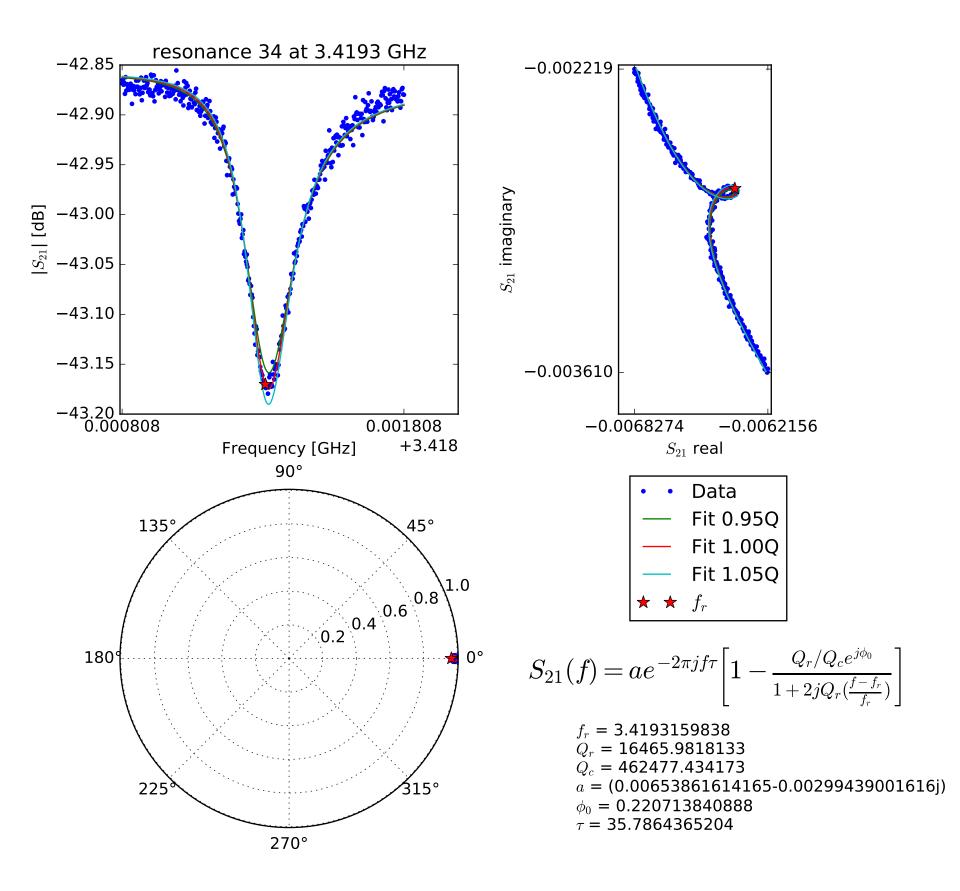
a = (0.00908721368855 + 0.00118756695588j)

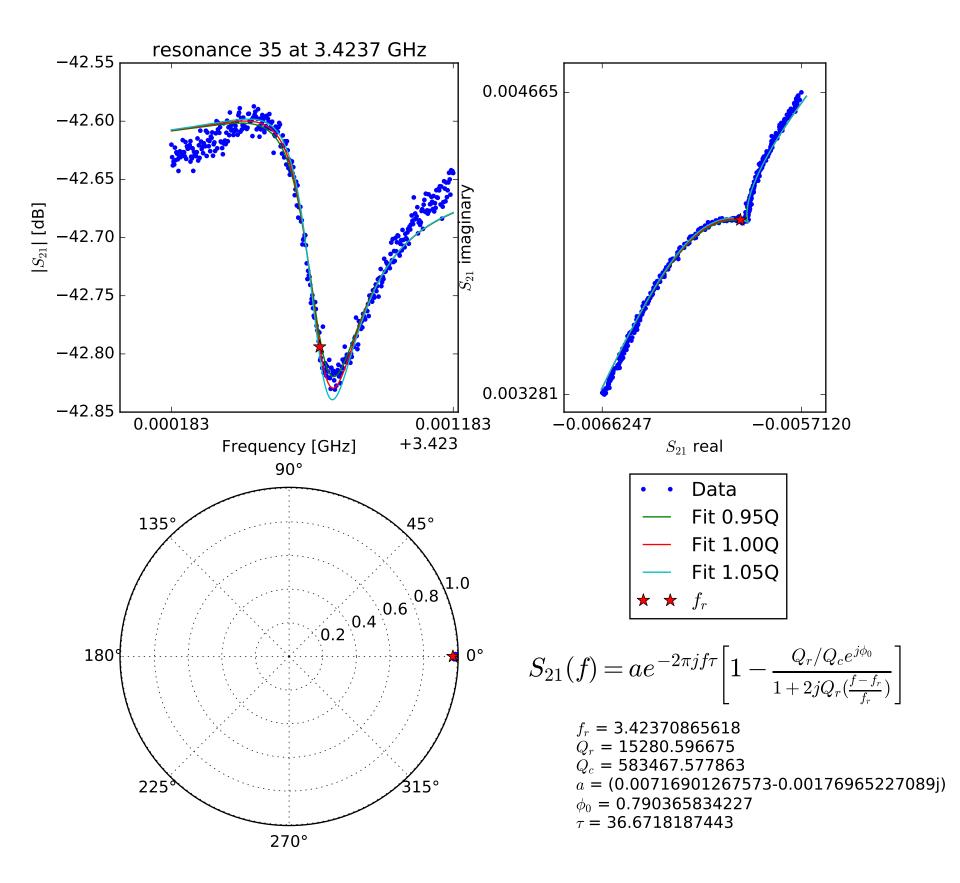
 $\phi_0 = 0.676025793472$

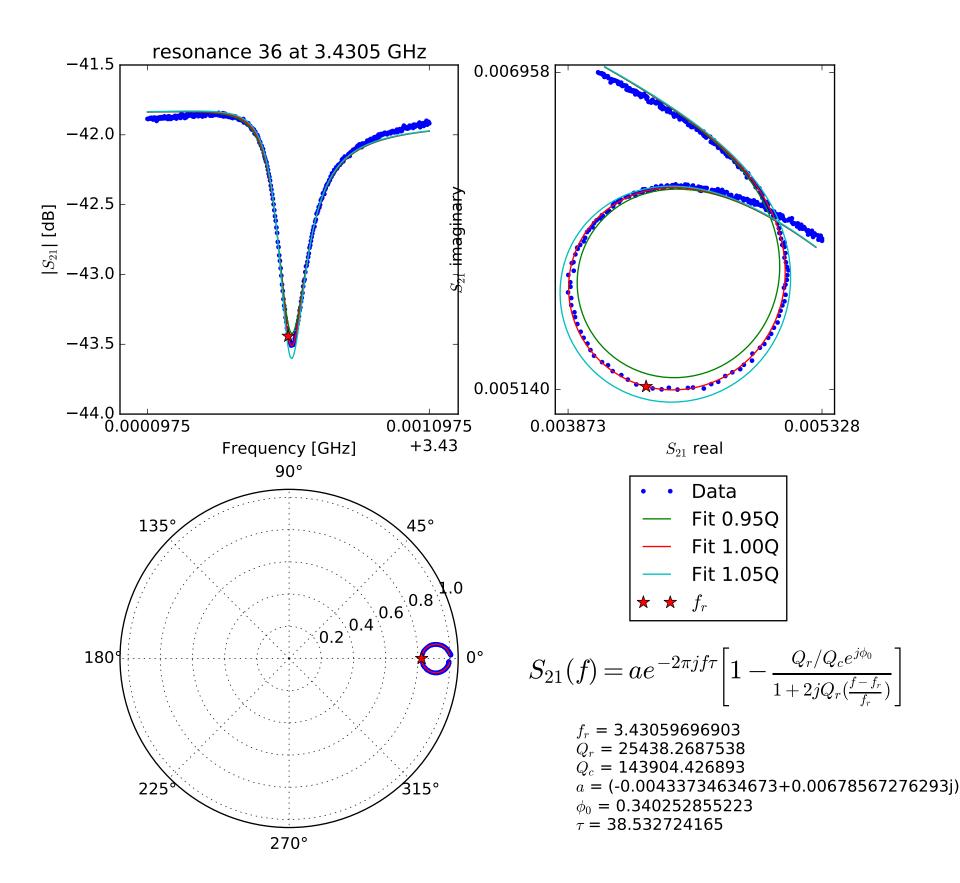
 τ = 39.6291170599

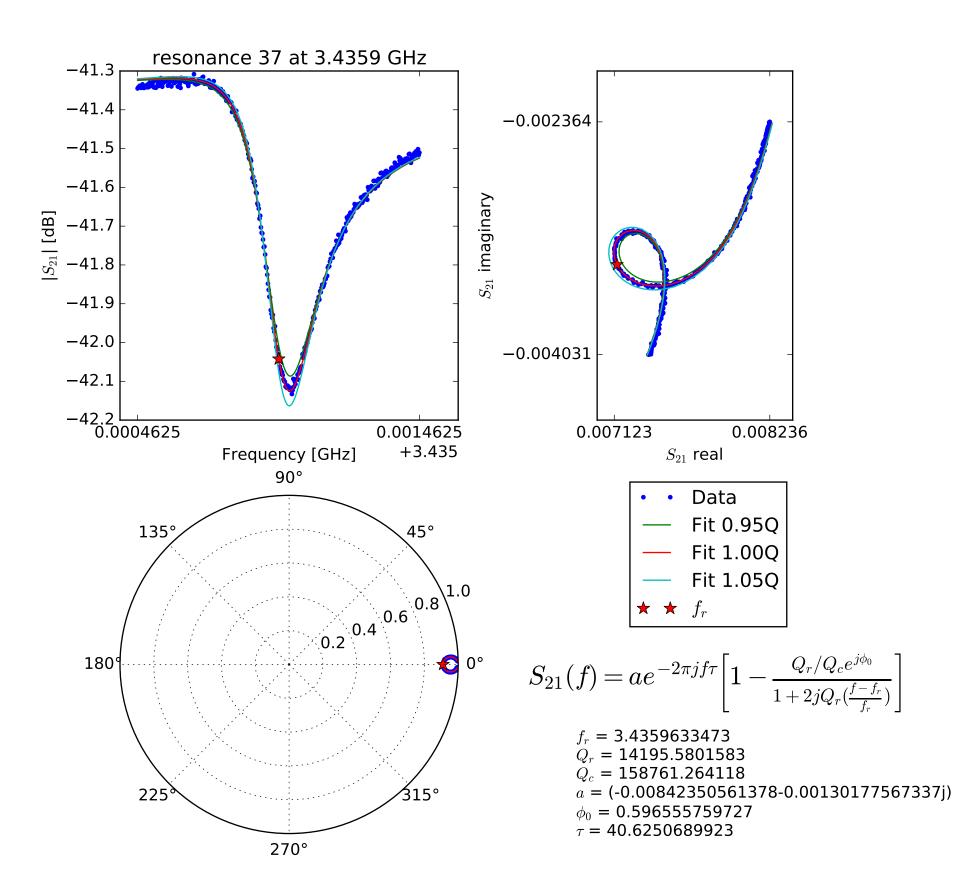


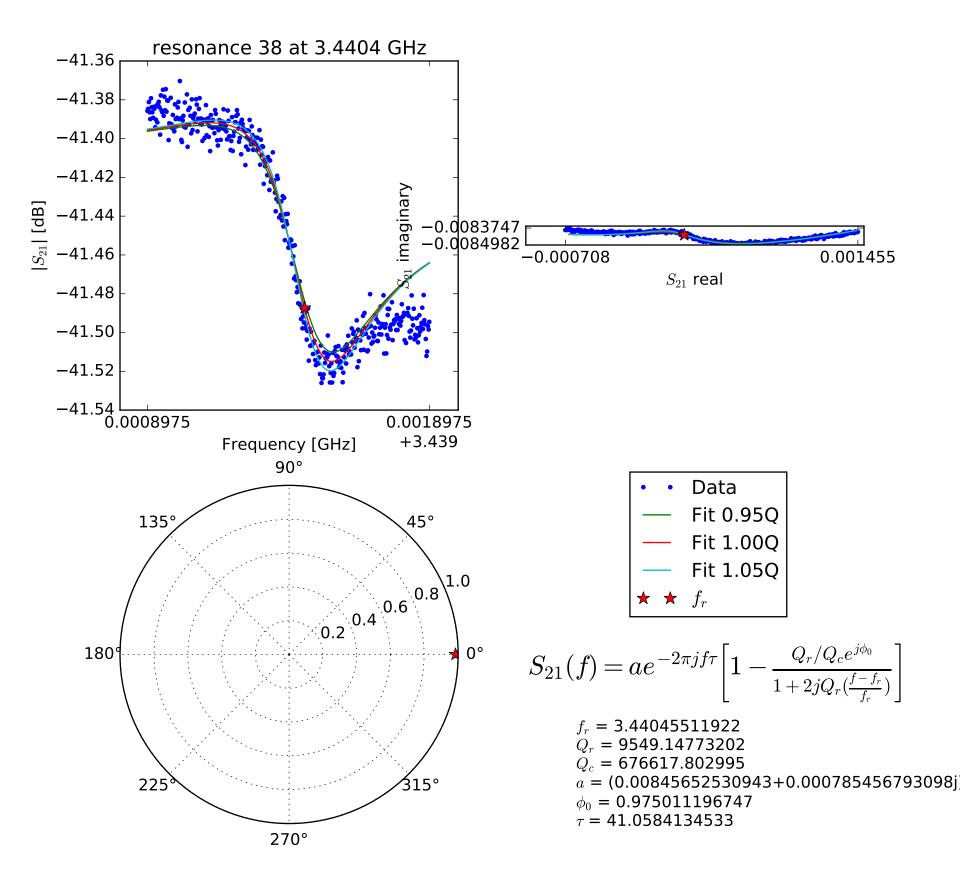


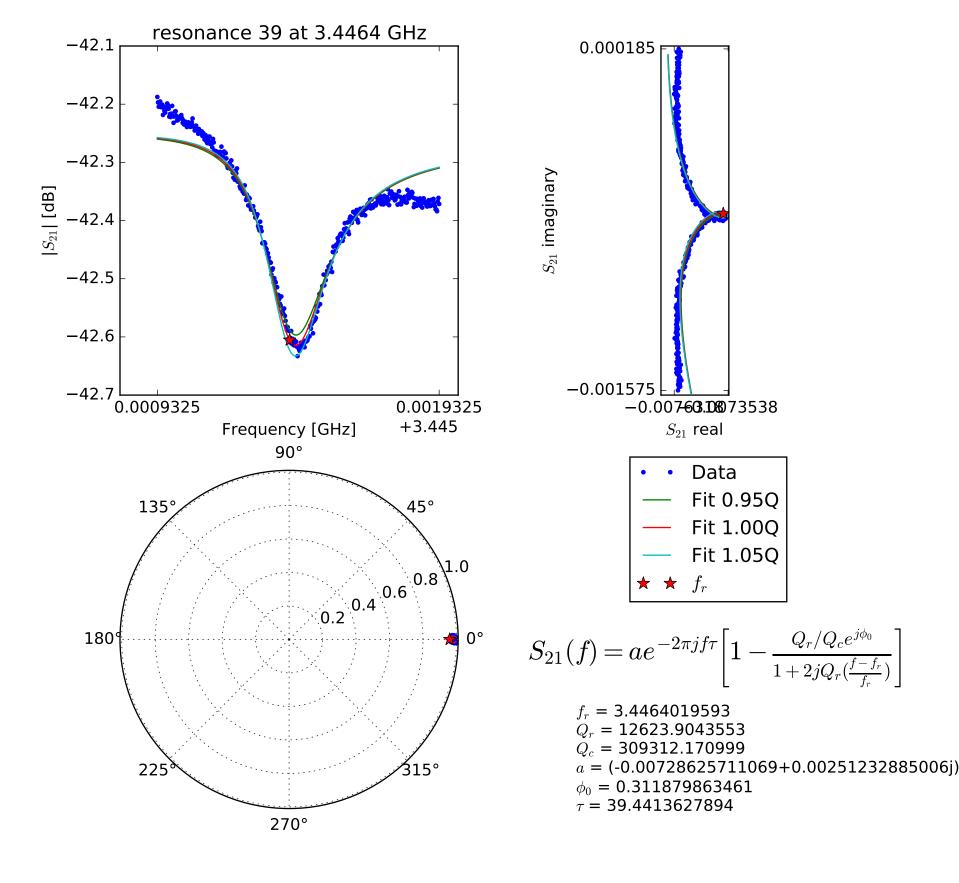


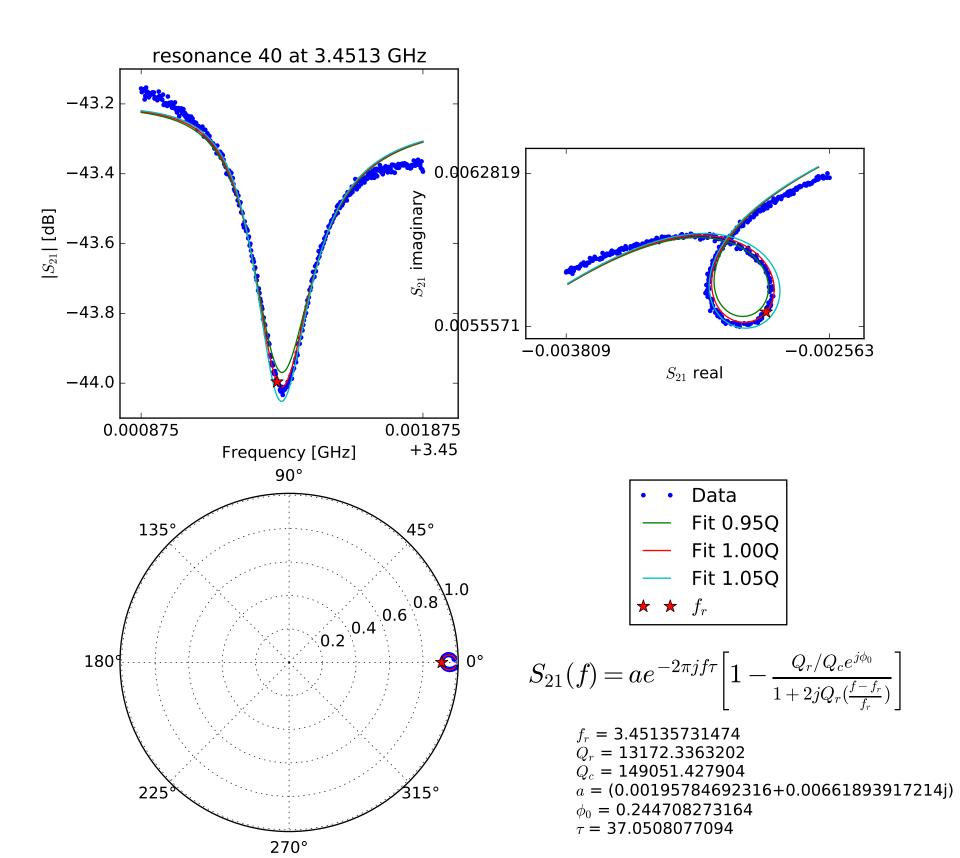


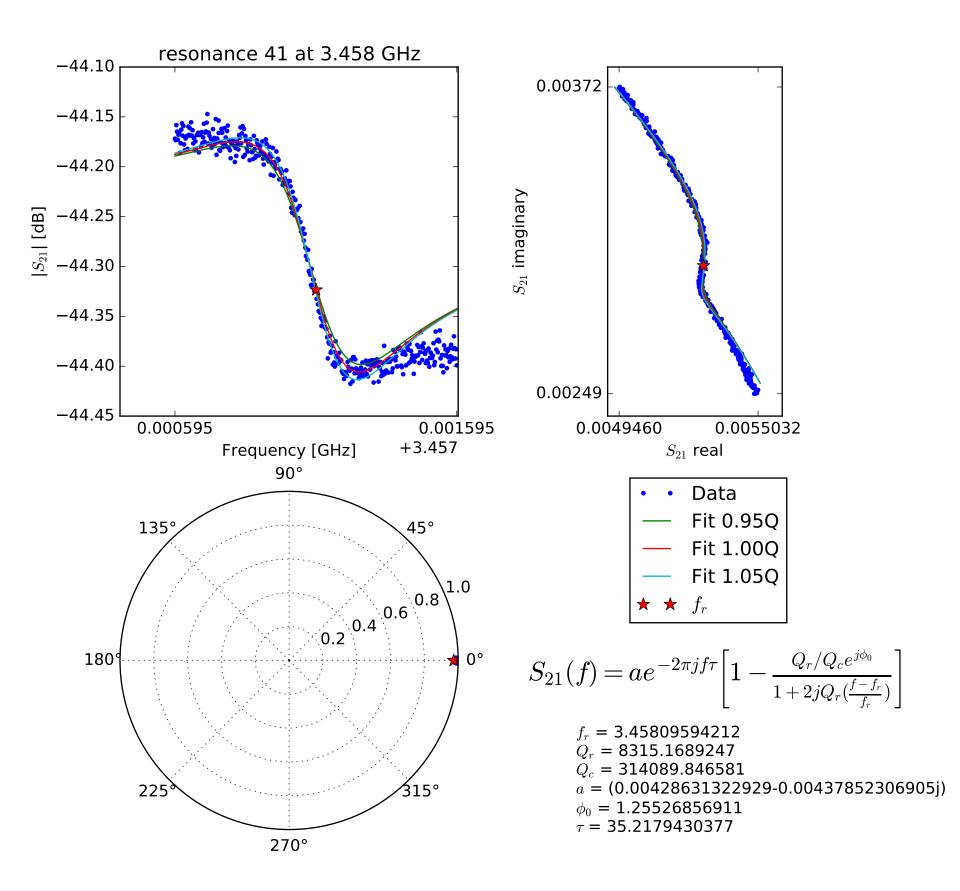


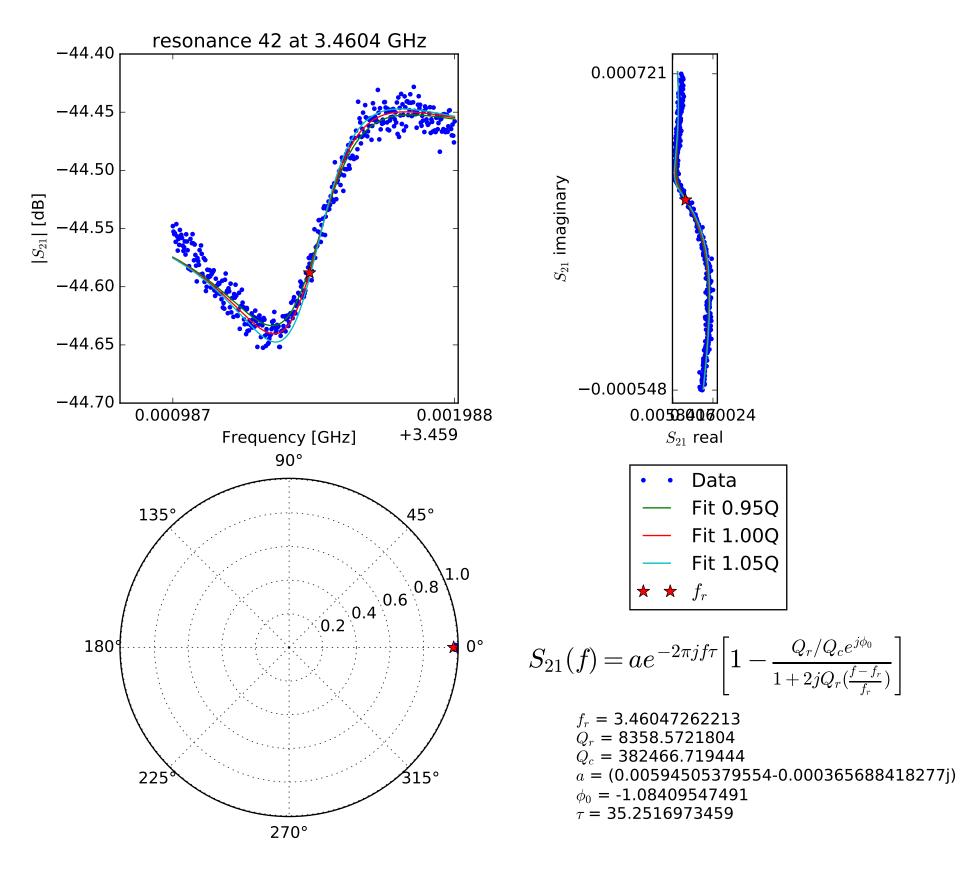


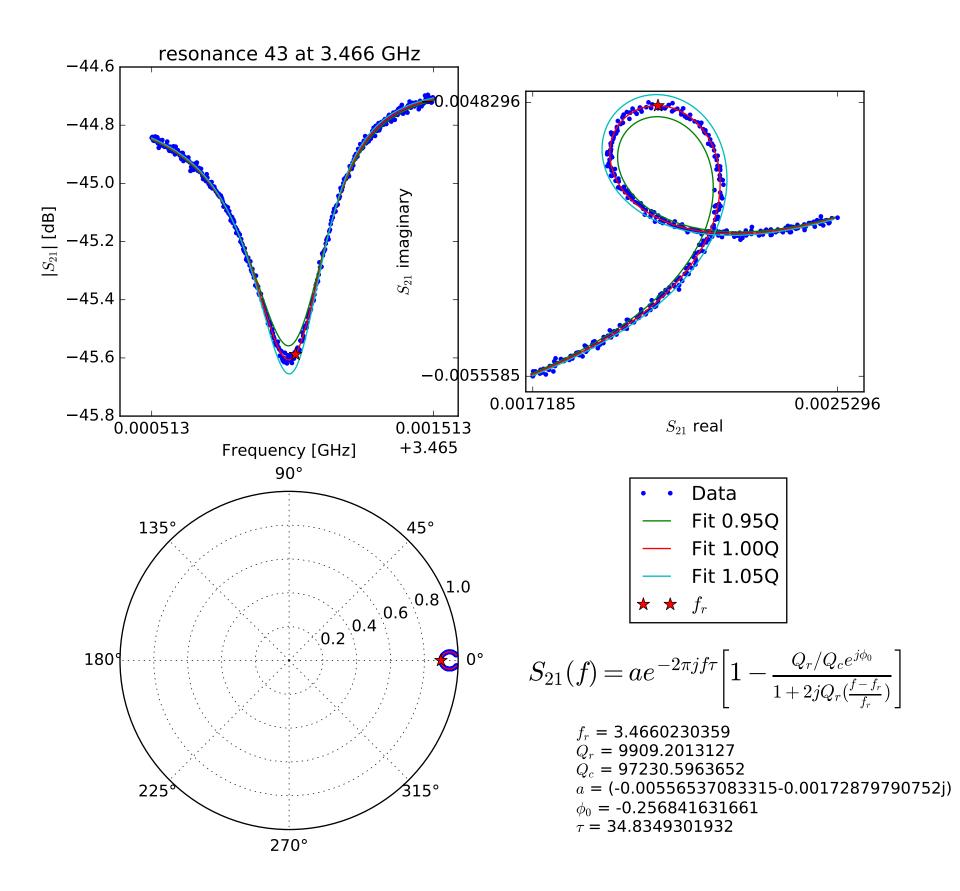


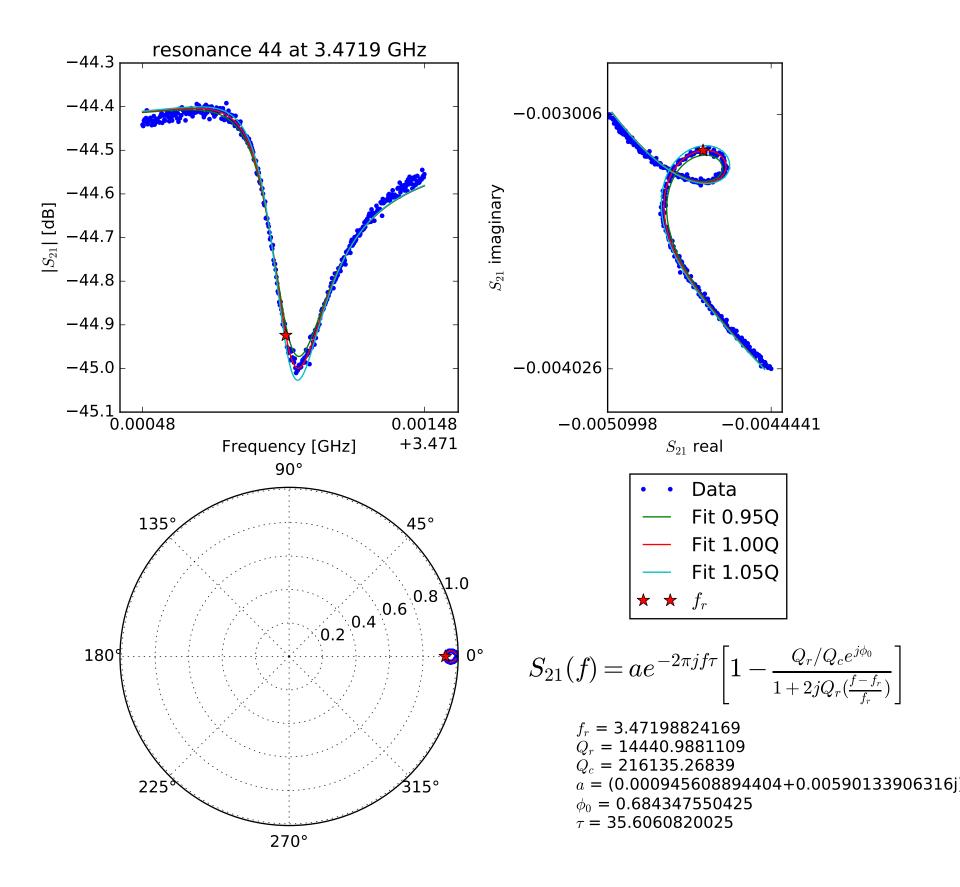


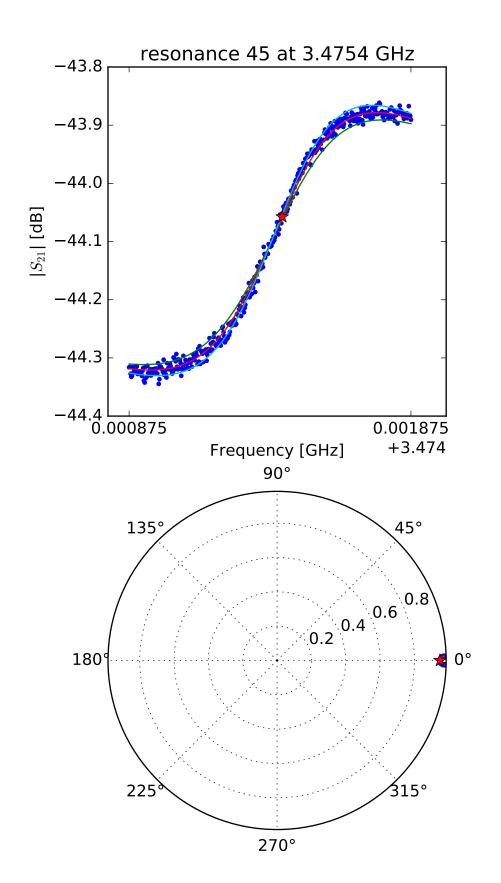


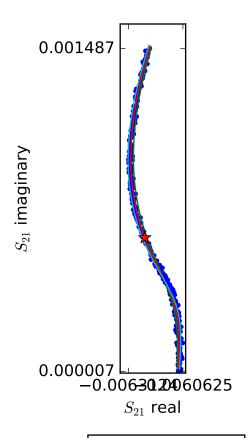


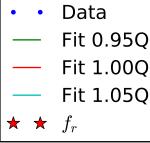












$$S_{21}(f) = ae^{-2\pi jf au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

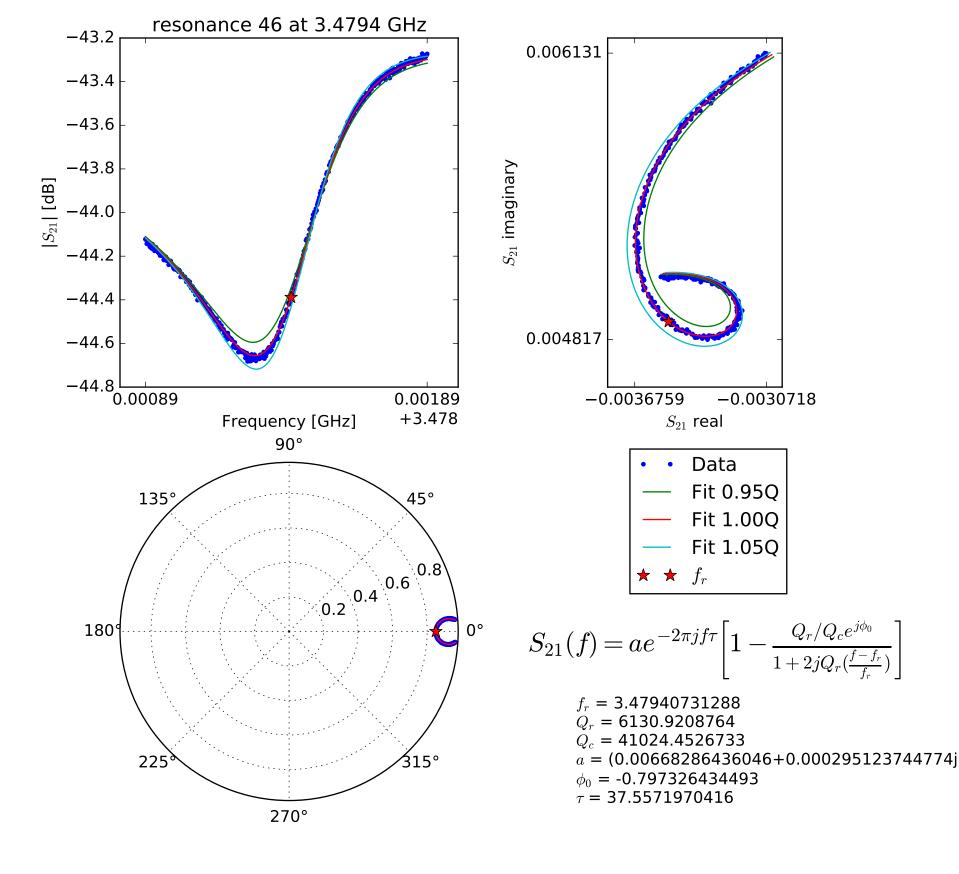
 $f_r = 3.47541841152$ $Q_r = 4385.79552779$

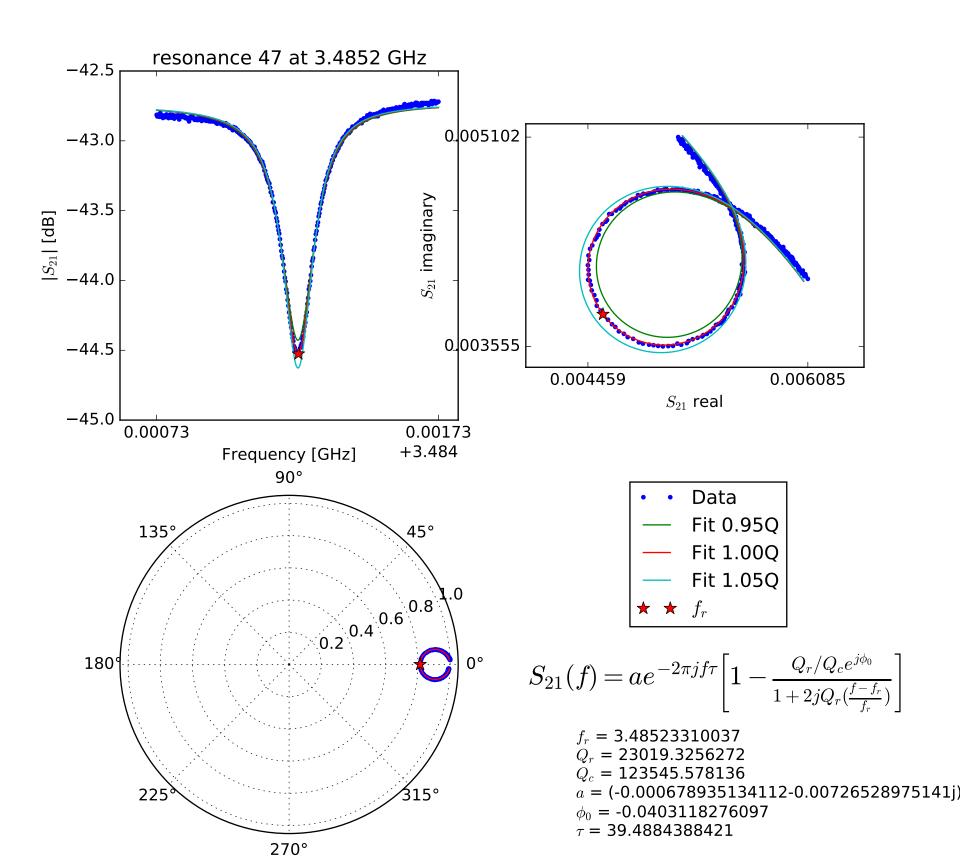
 $Q_c = 85755.7930919$

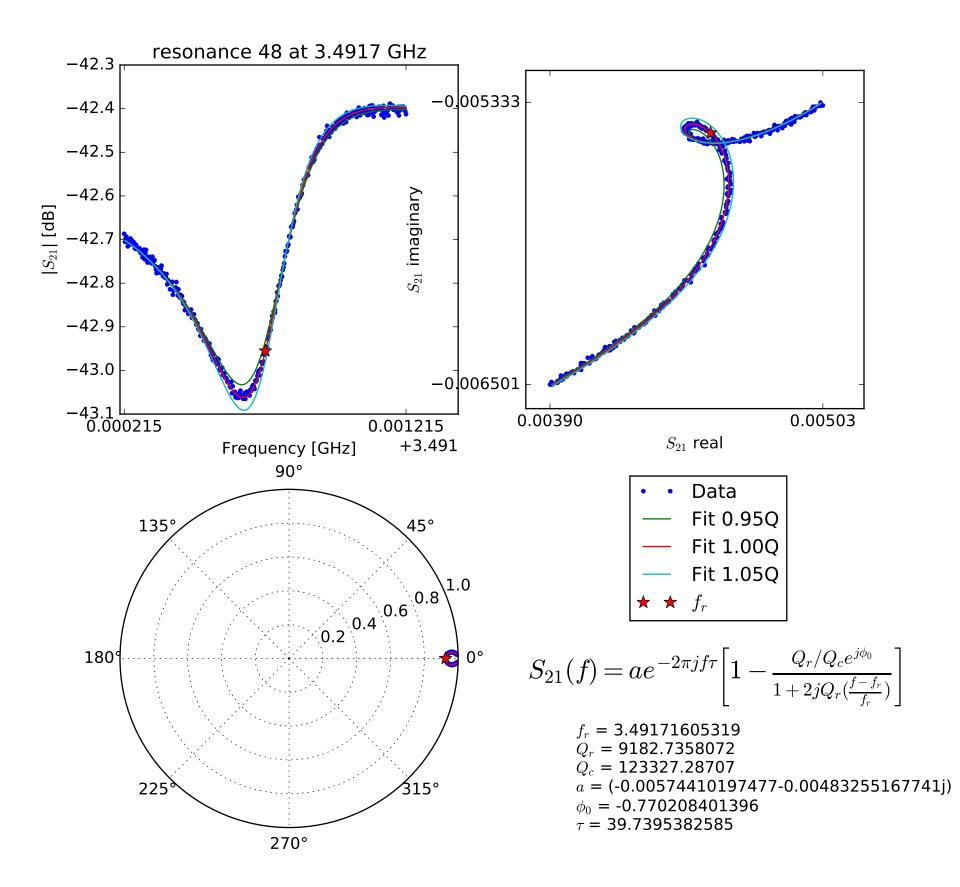
a = (-0.00545779211082 - 0.0029733485824j)

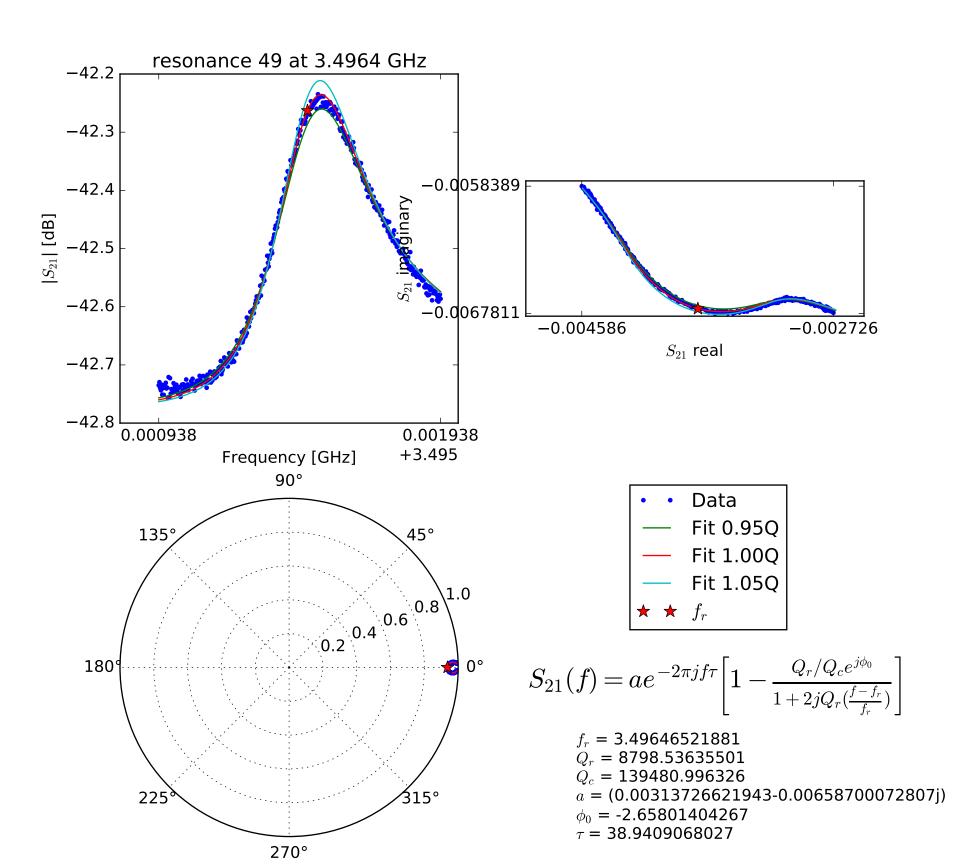
 $\phi_0 = -1.71250990752$

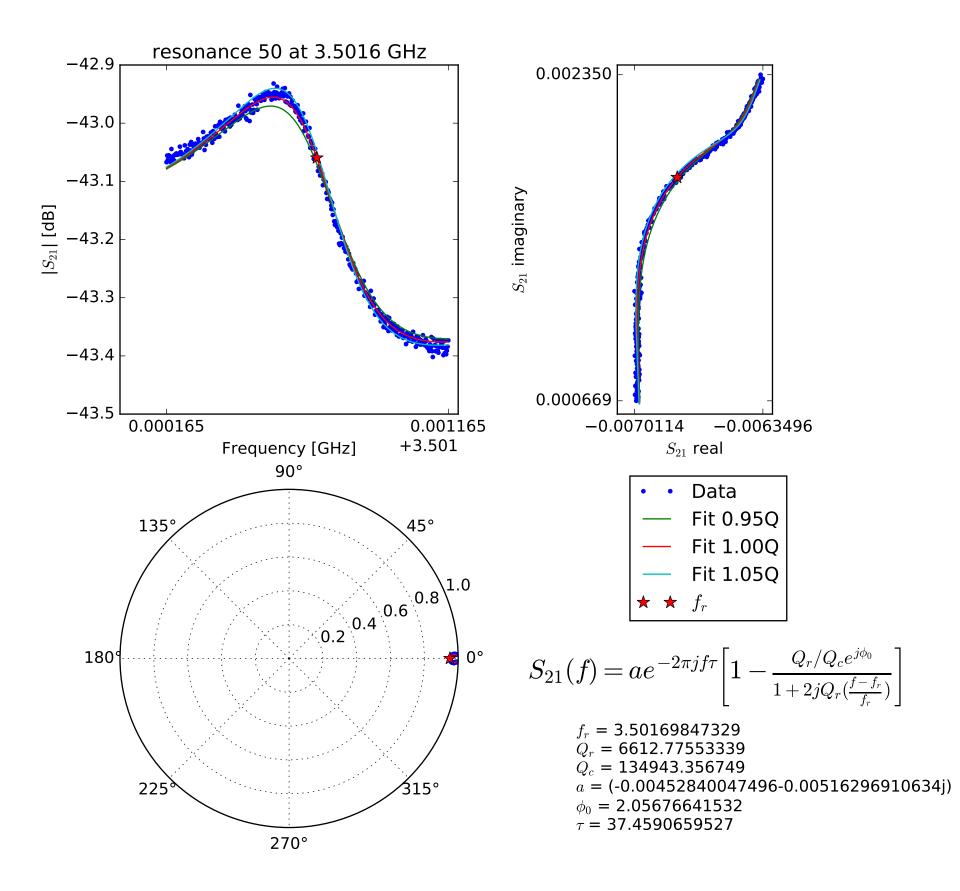
 τ = 36.5720486786

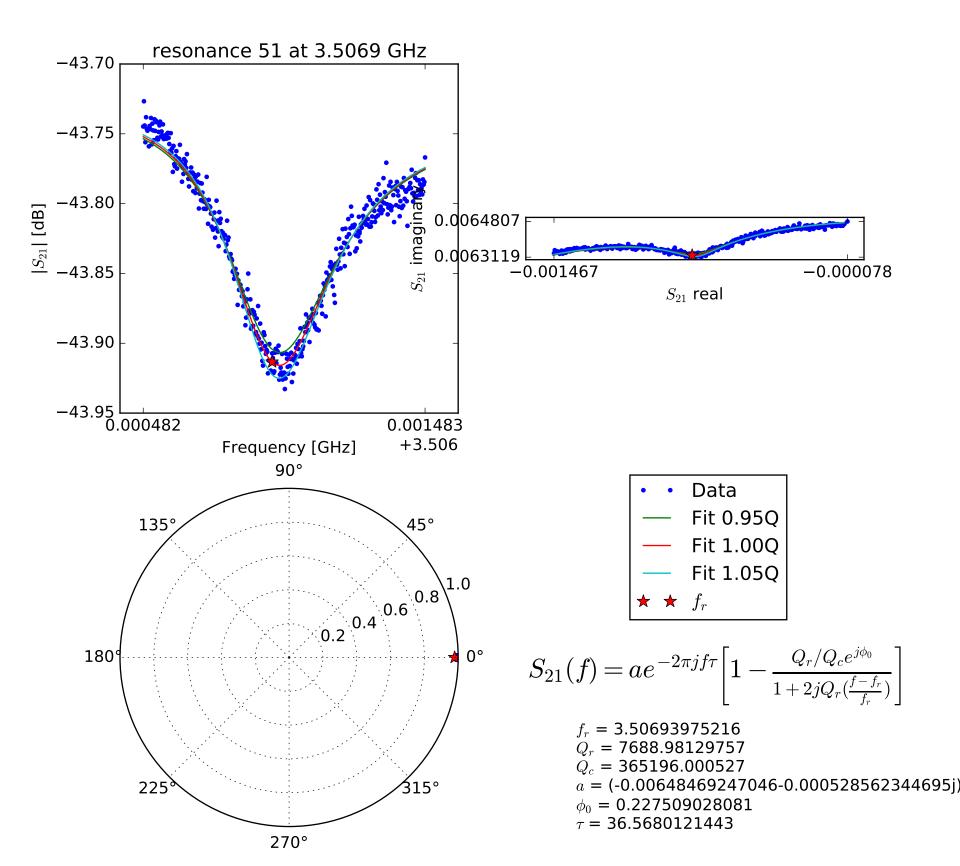


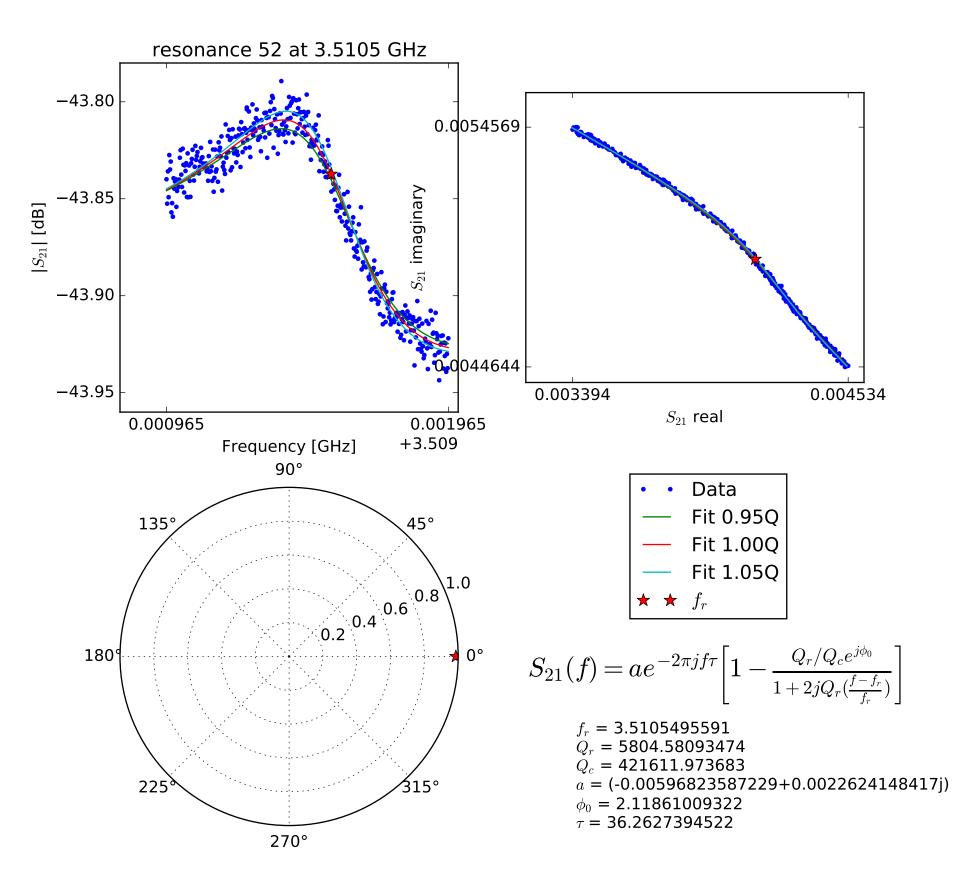


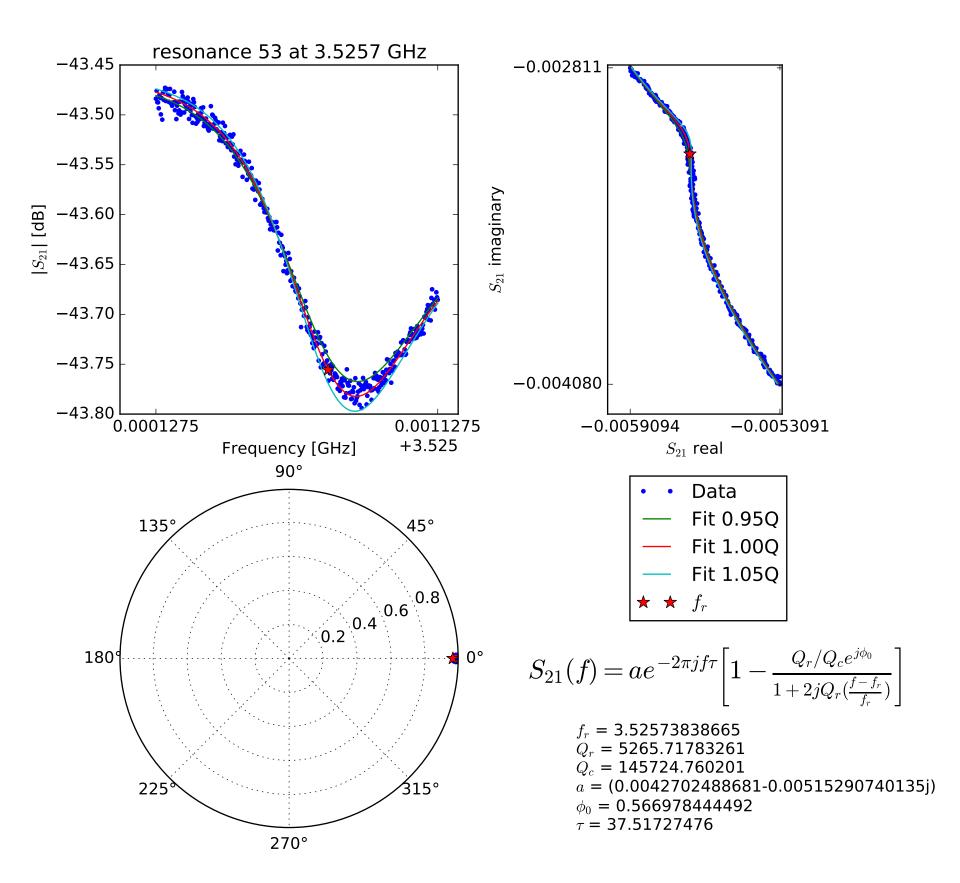


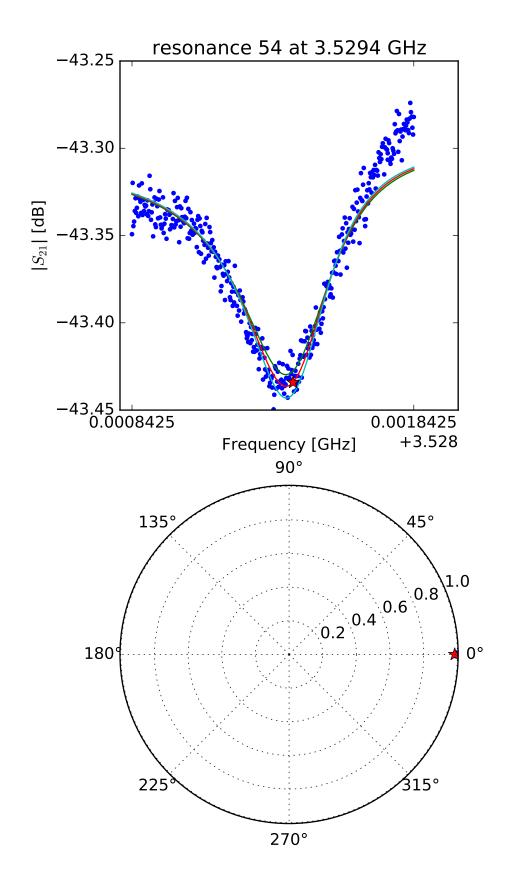


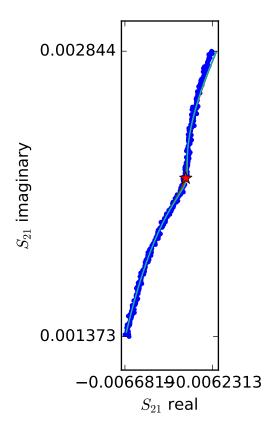


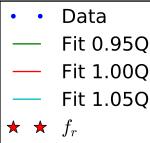












$$S_{21}(f) = ae^{-2\pi j f au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.52941408504$

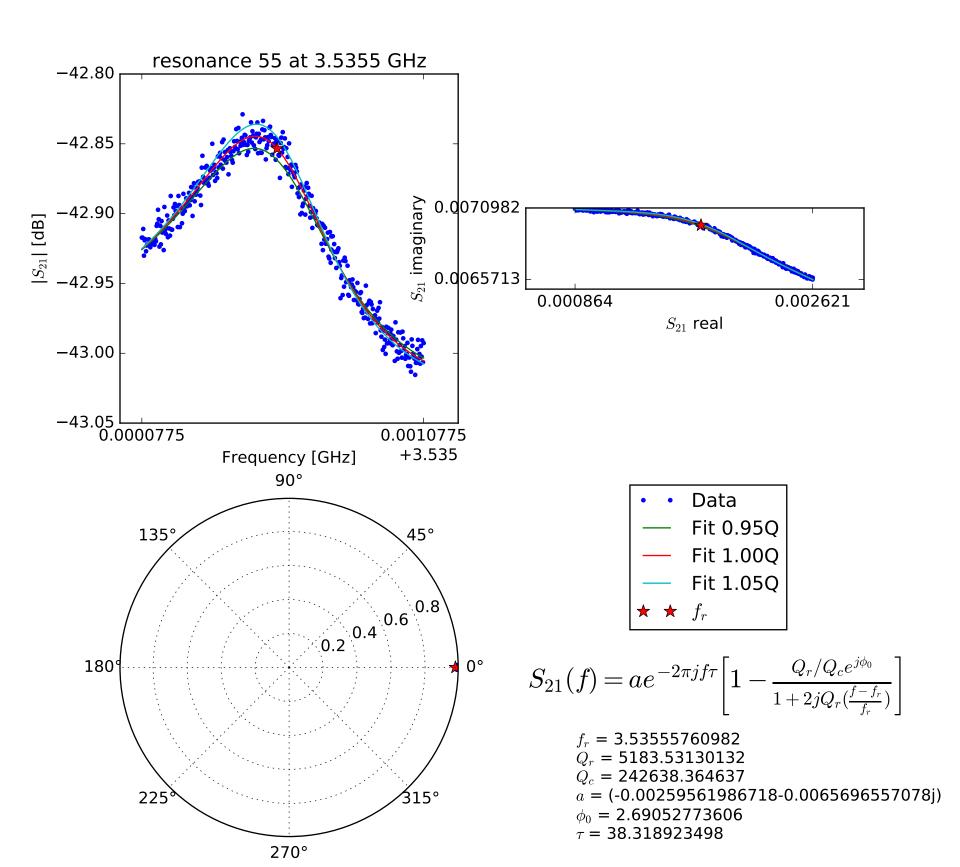
 $Q_r = 9262.79862207$

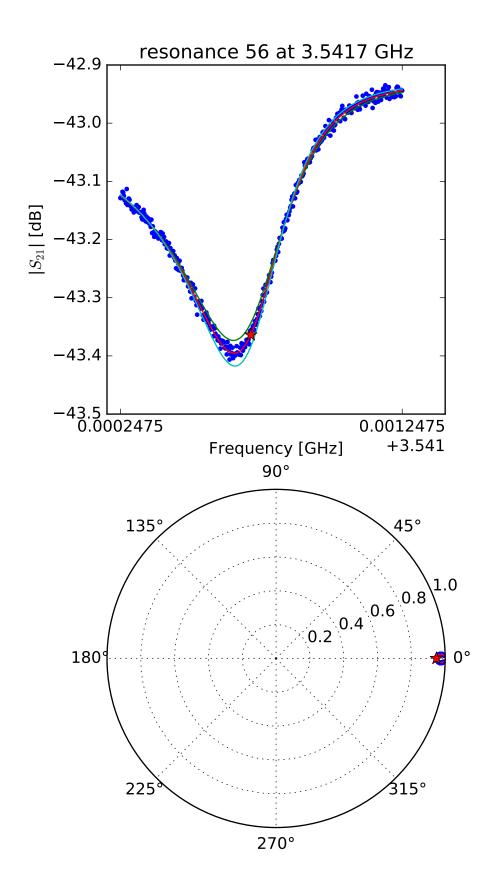
 $Q_c = 597647.518678$

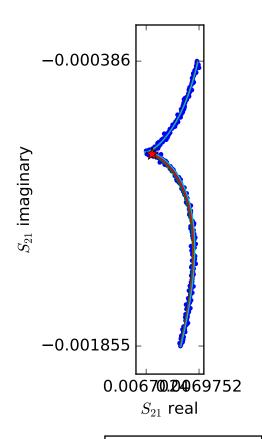
a = (0.0034198793777 + 0.00592000681736j)

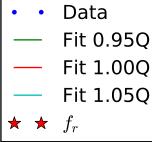
 $\phi_0 = -0.253663537765$

 τ = 37.0372977358









$$S_{21}(f) = ae^{-2\pi jf au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.54171024313$

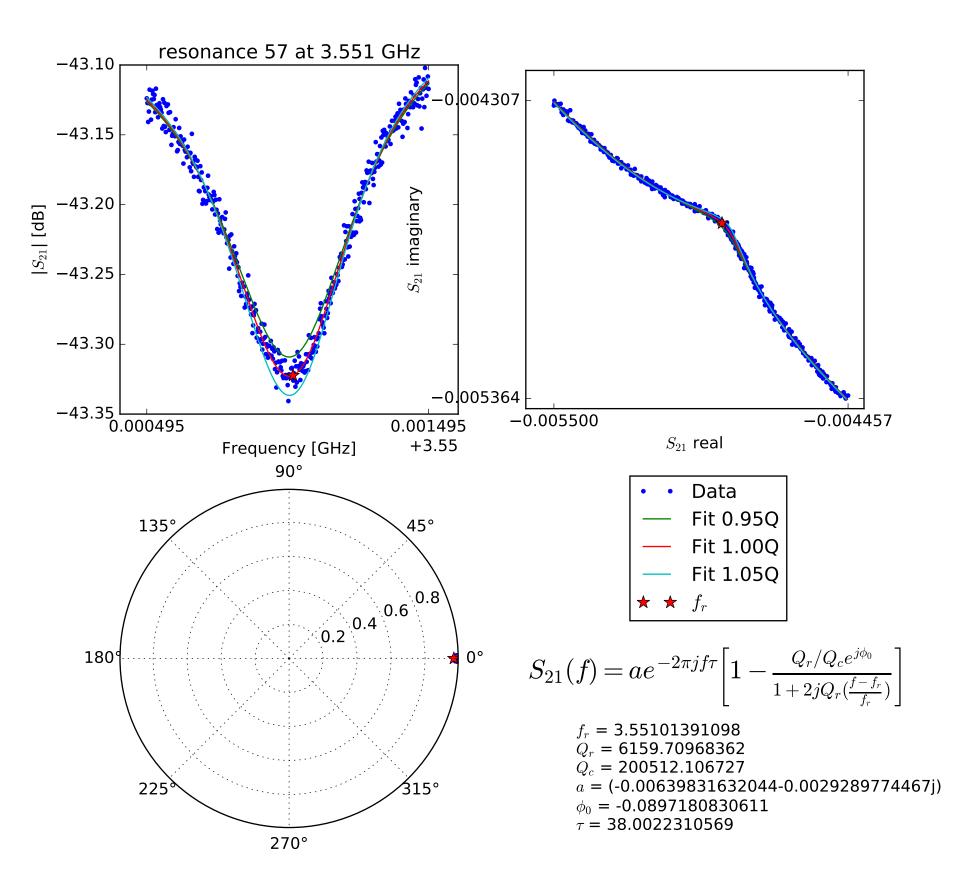
 $Q_r = 7982.96757681$

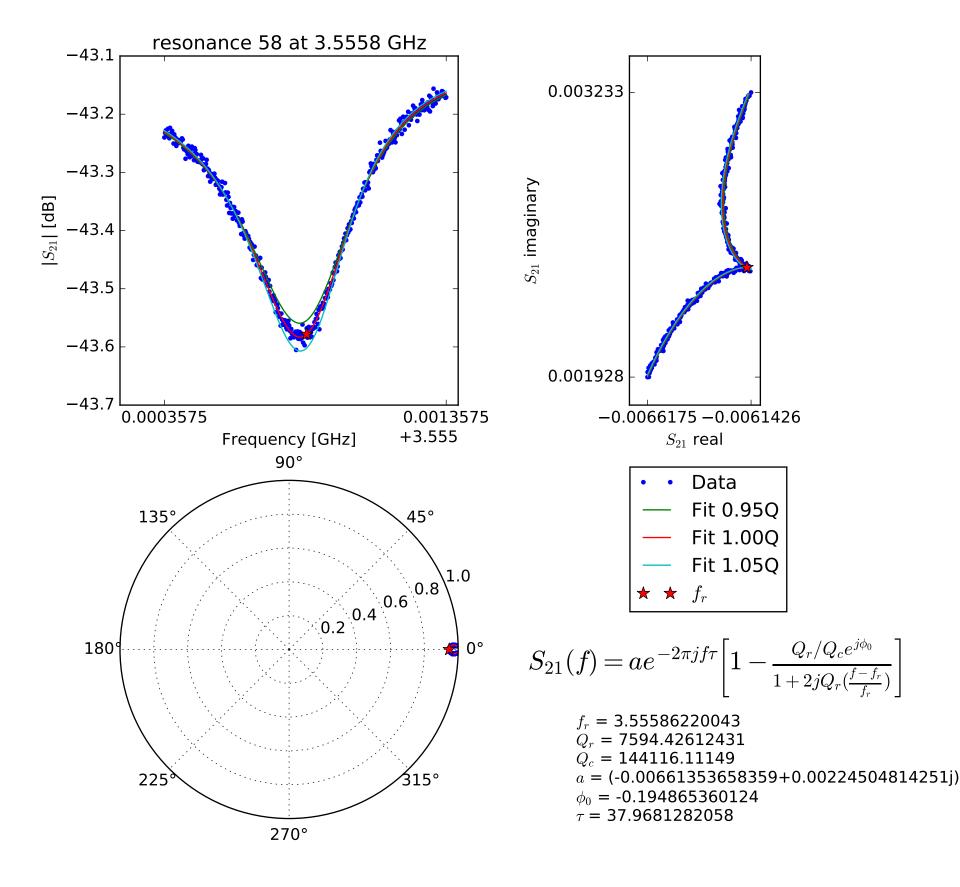
 $Q_c = 154600.315457$

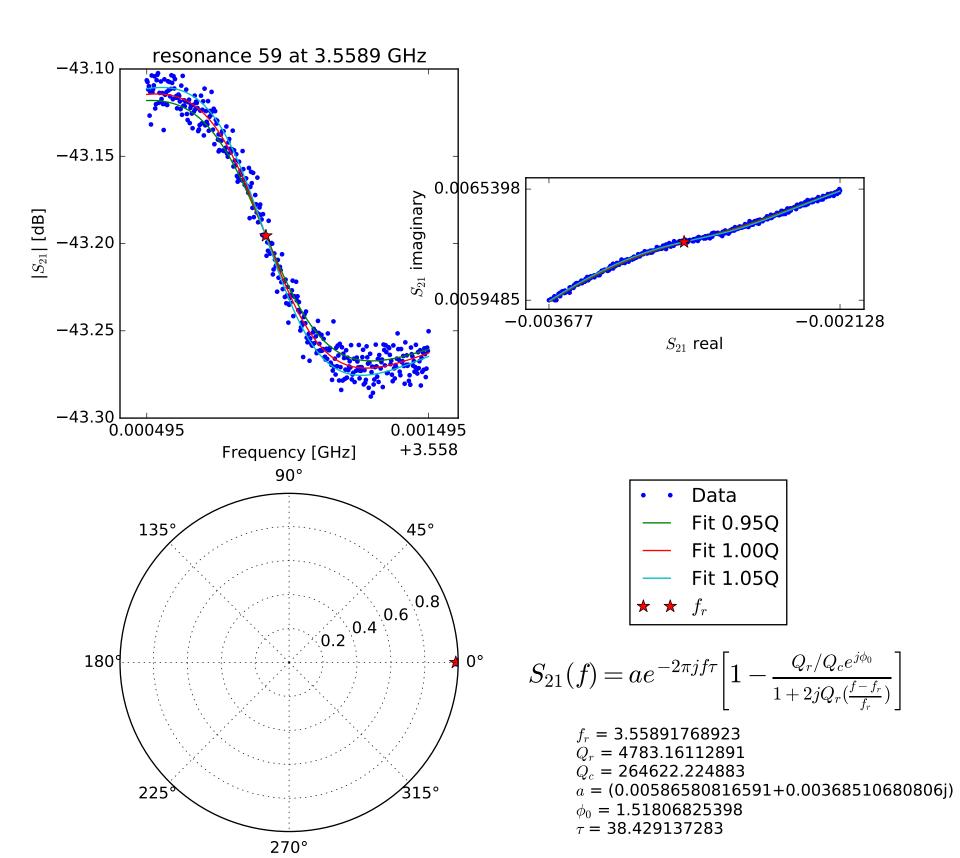
a = (-0.00577904343257-0.00413829849275j)

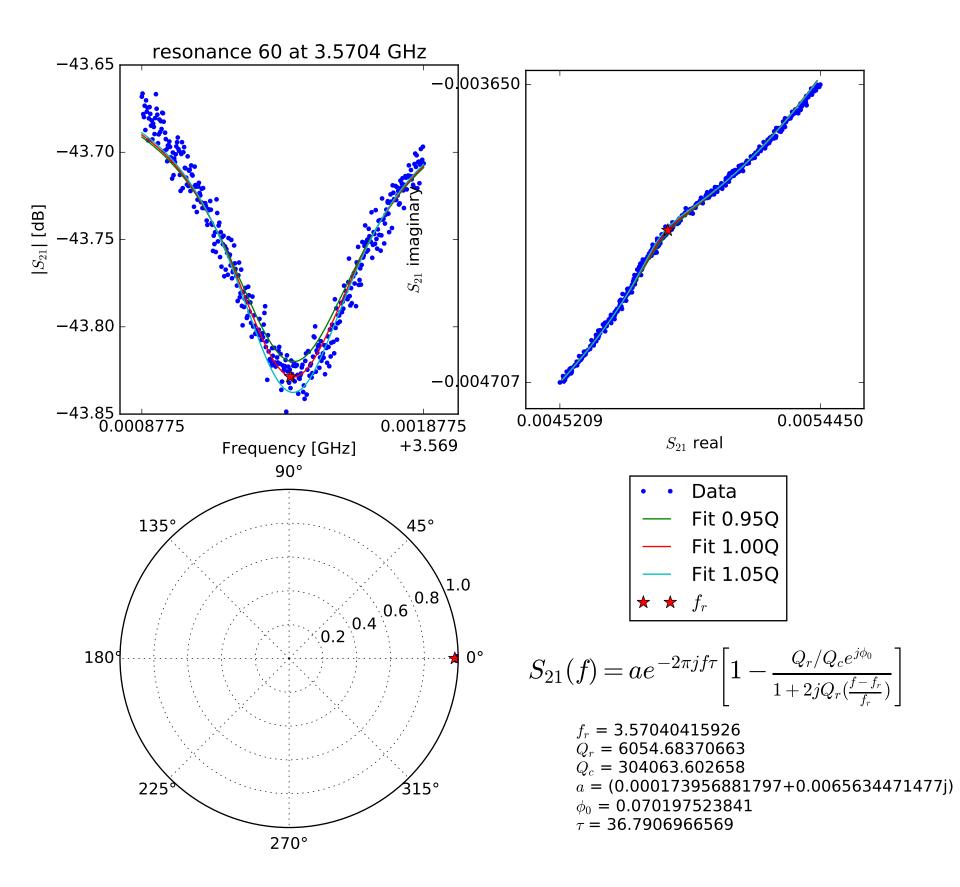
 $\phi_0 = -0.505084402921$

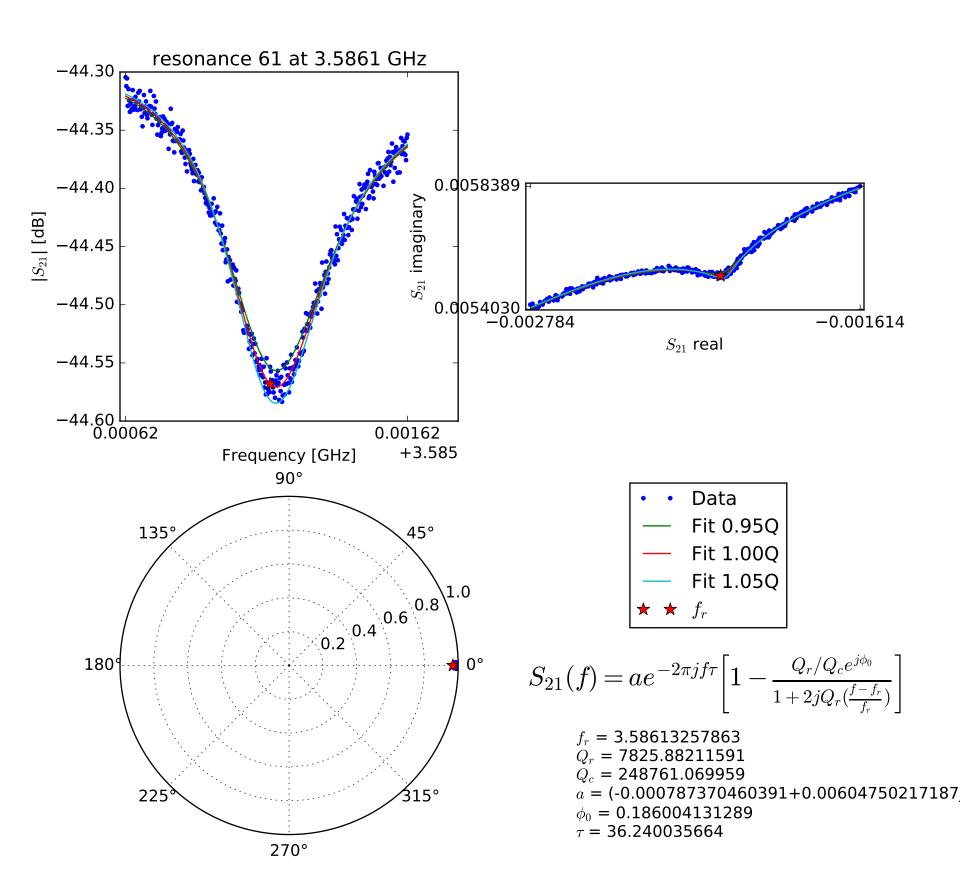
 $\tau = 38.2931984592$

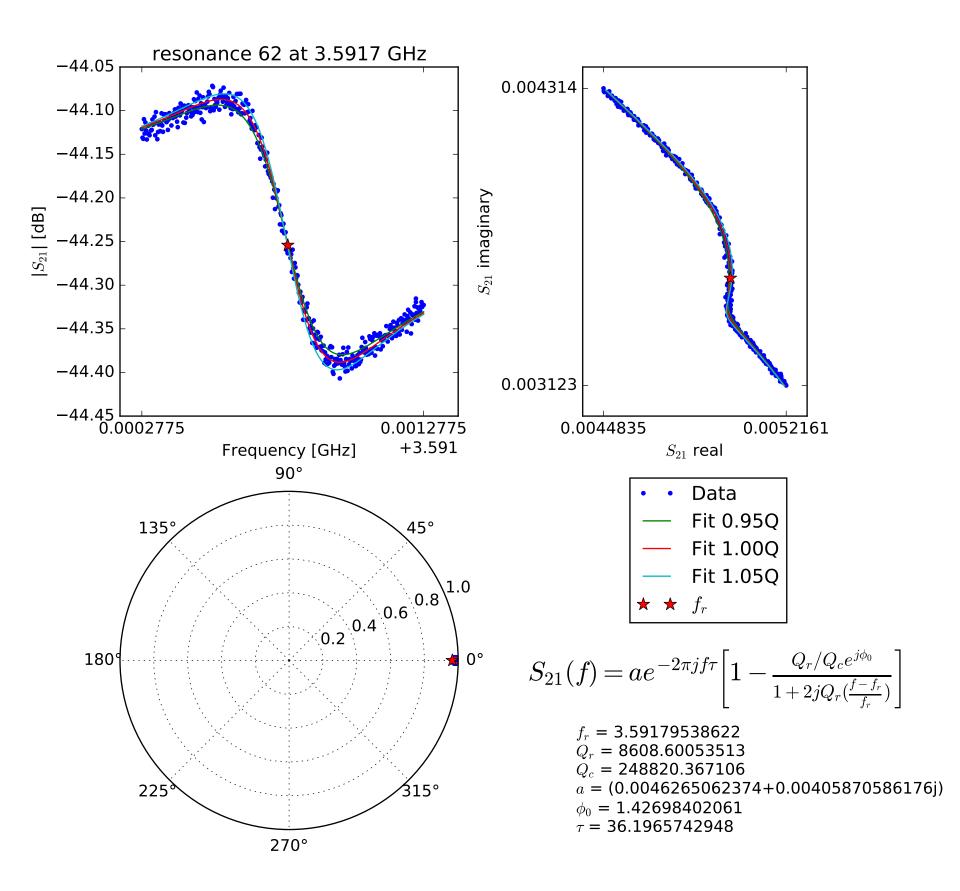


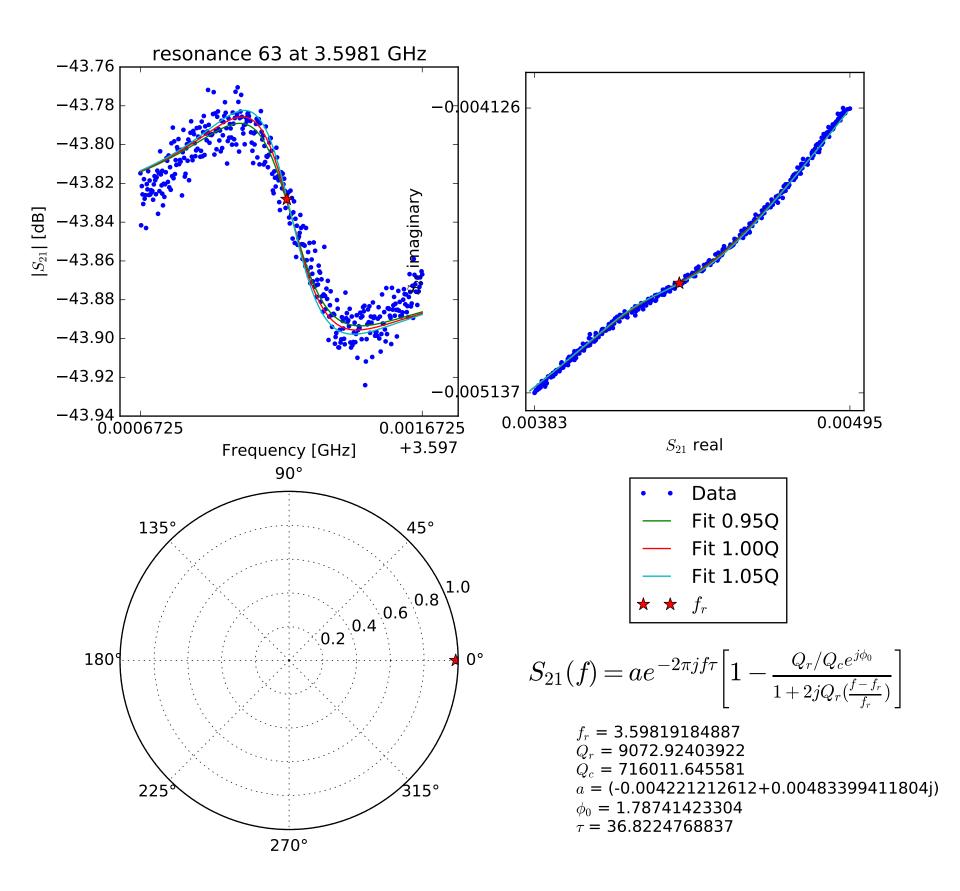


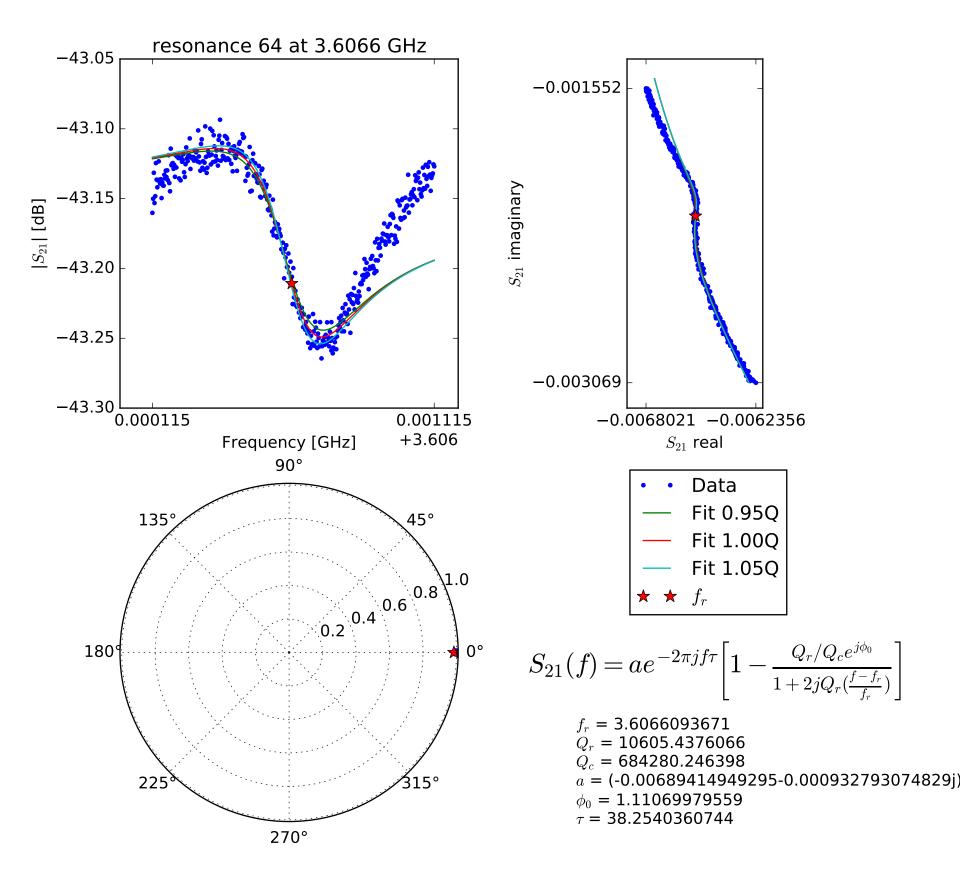


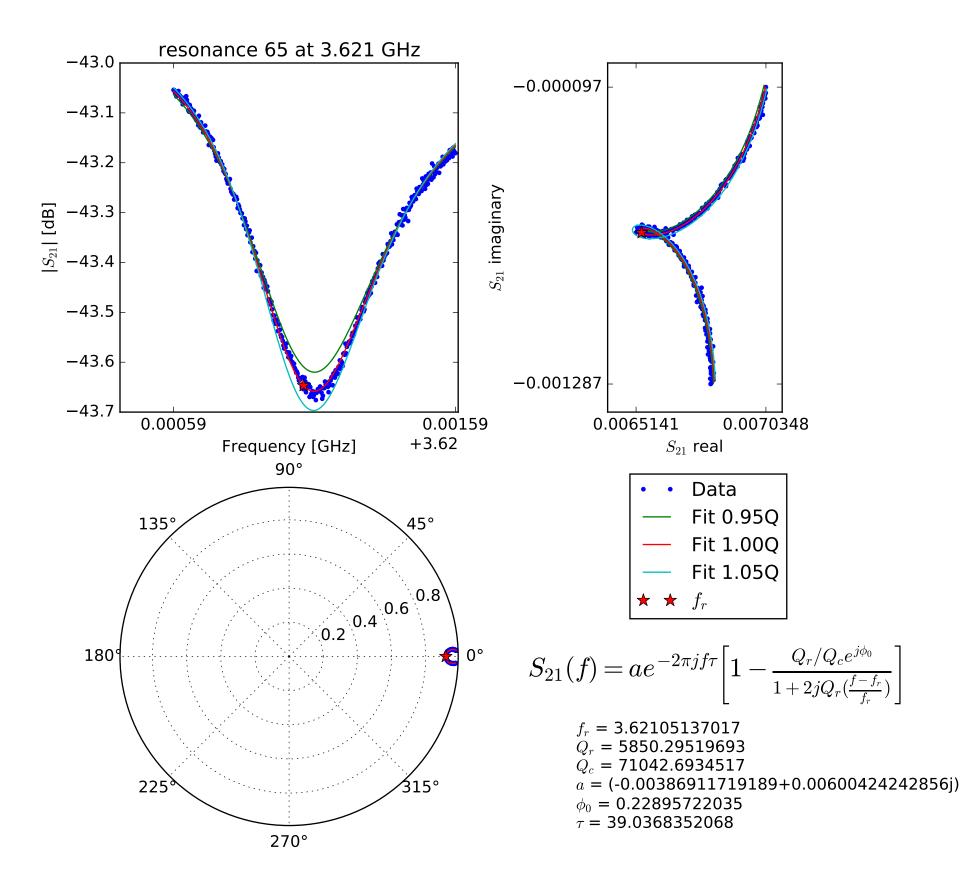


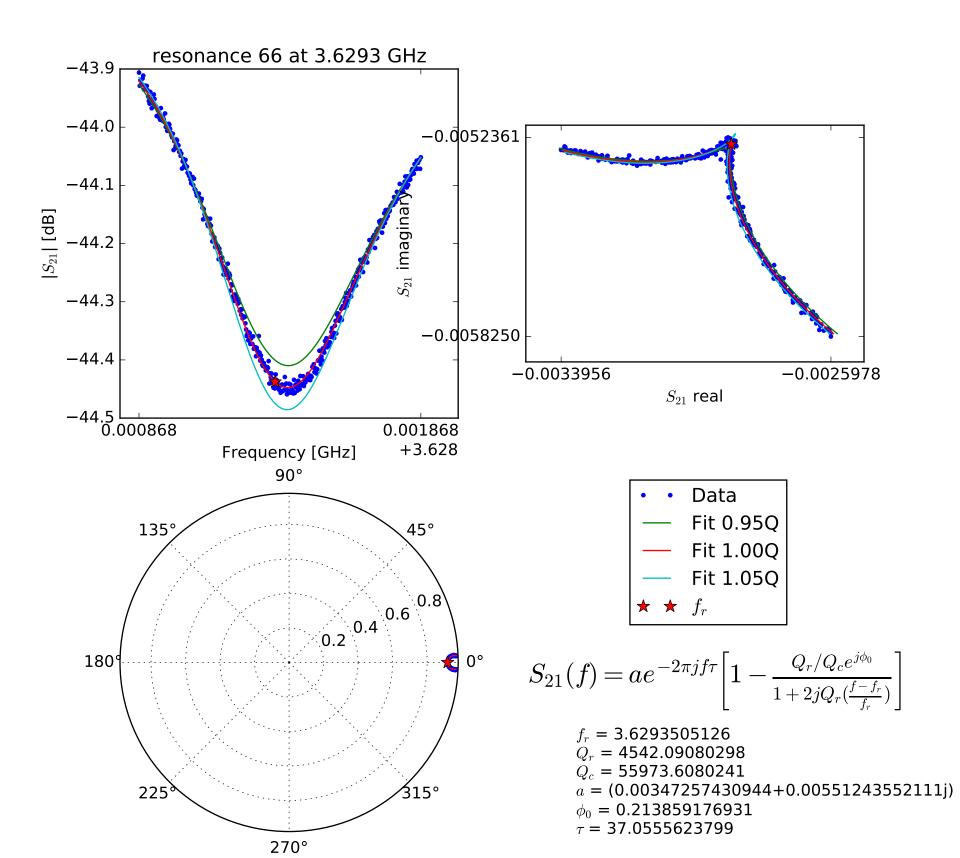


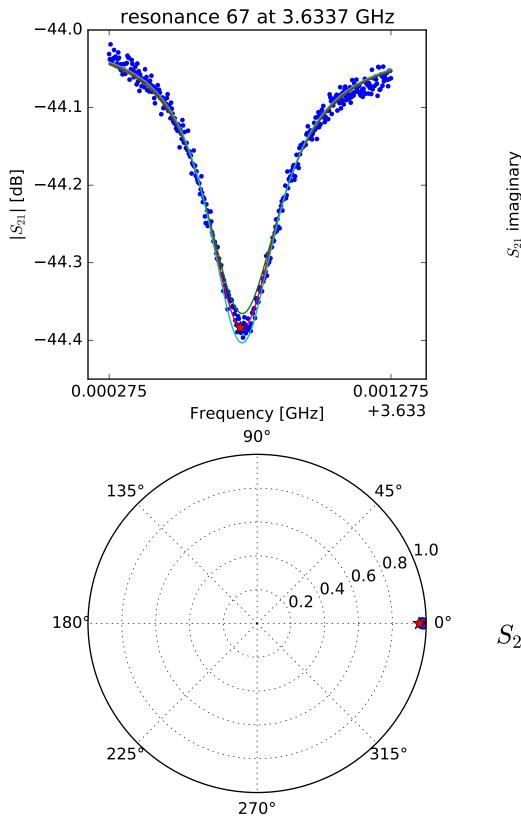


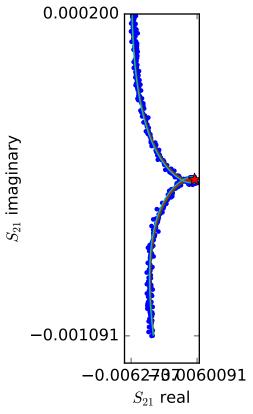














$$S_{21}(f) = ae^{-2\pi j f au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.63374039452$

 $Q_r = 11324.7835626$

 $\vec{Q}_c = 271099.427785$

a = (0.00291422725579 + 0.00558445751013j)

 $\phi_0 = 0.0824845114572$

 τ = 36.5080107154

