

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

 $f_r = 3.24870353603$ 

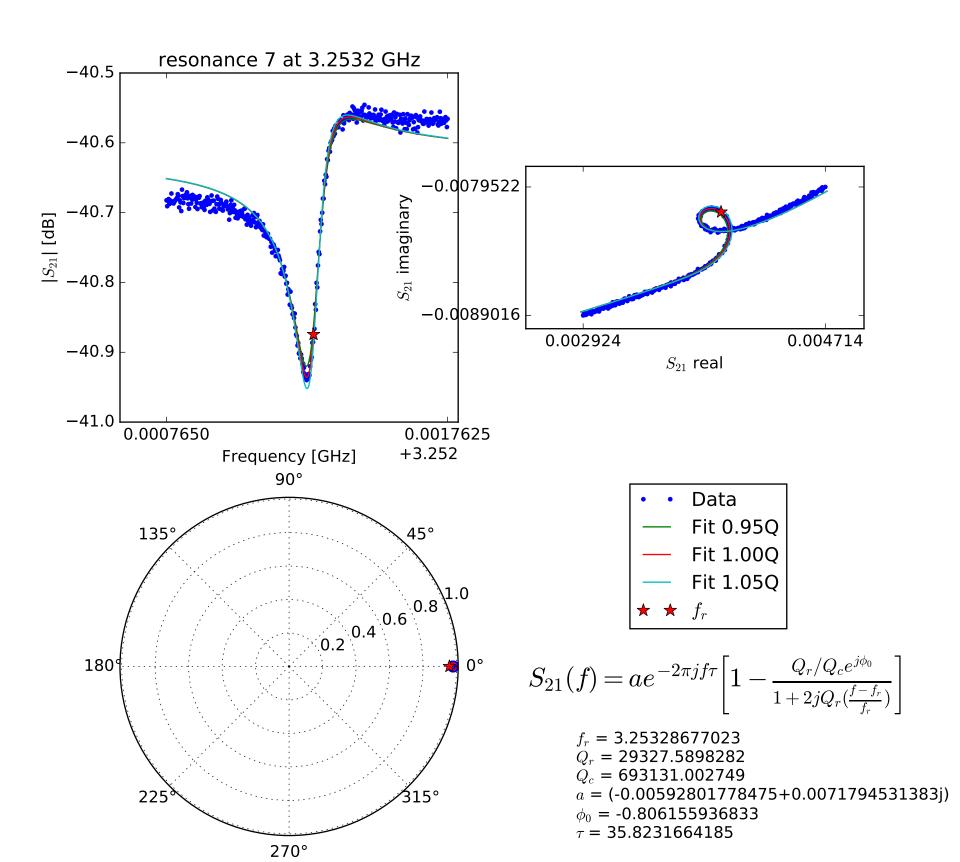
 $Q_r = 31218.0725926$ 

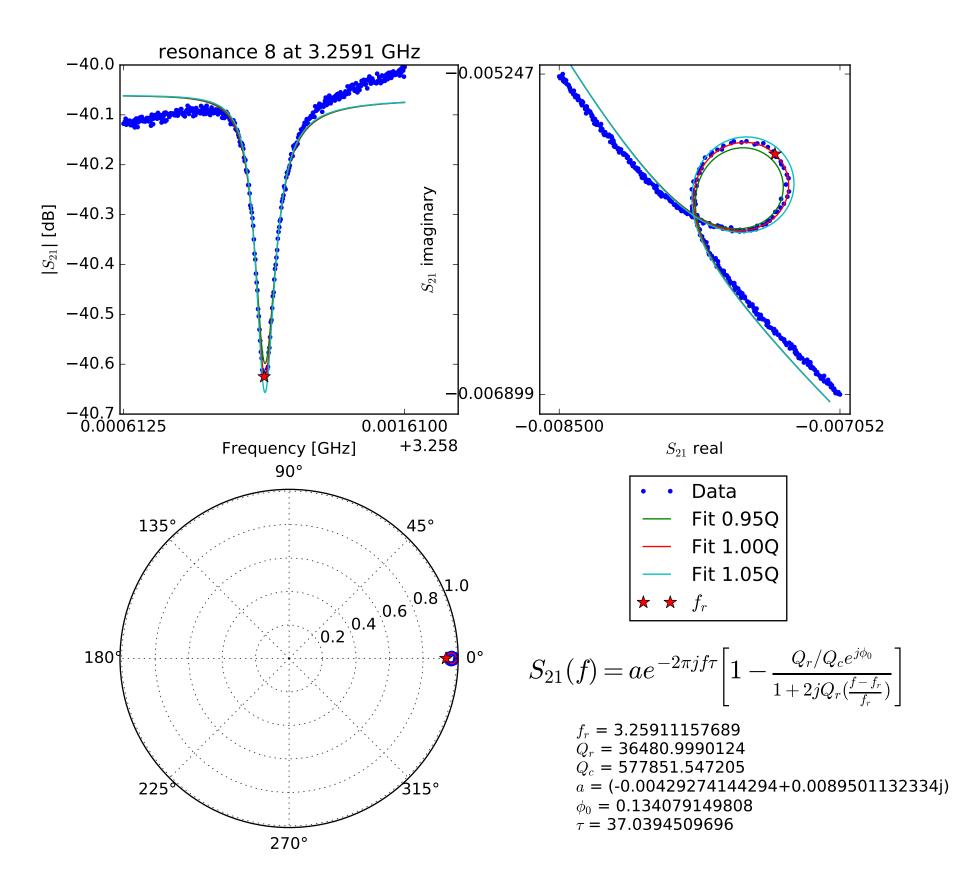
 $Q_c = 766629.849182$ 

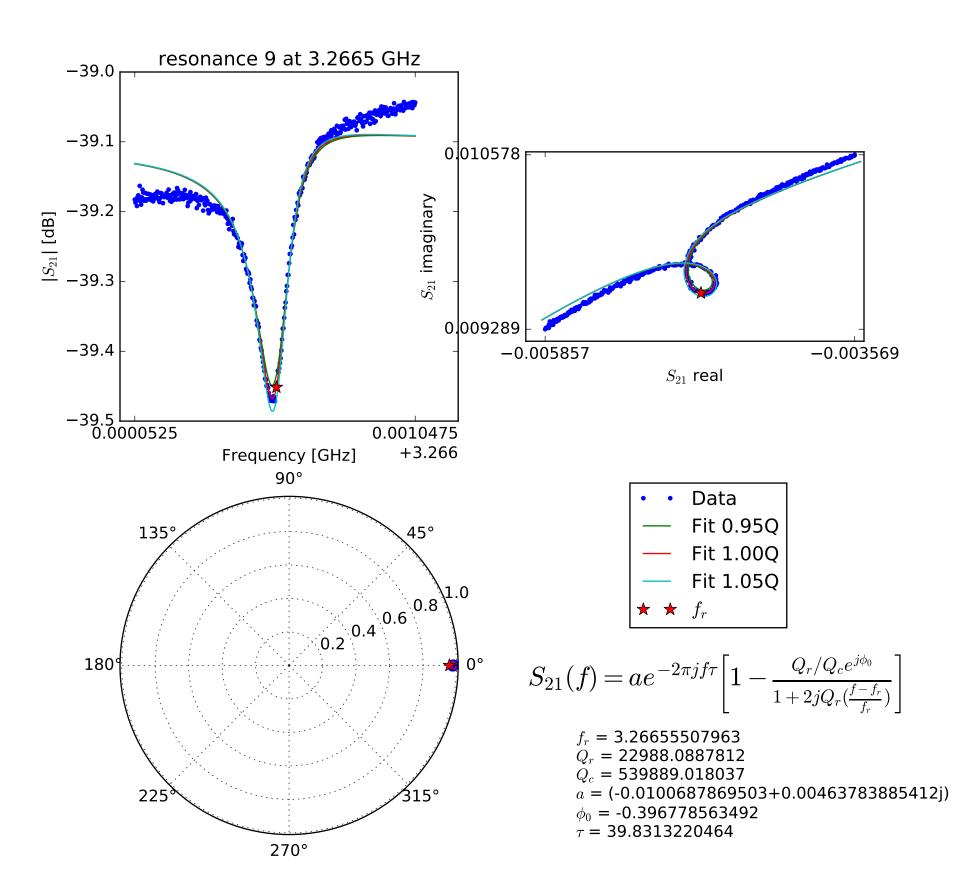
a = (0.00794647136037 + 0.0045977904887j)

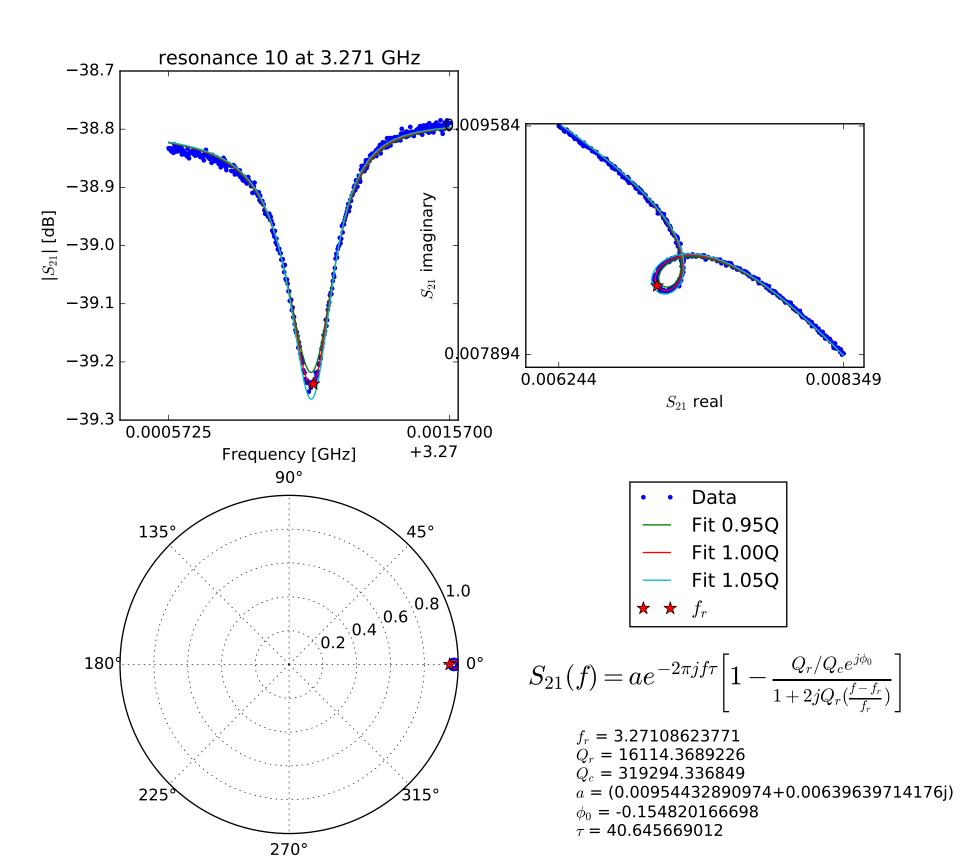
 $\phi_0 = 0.59206431175$ 

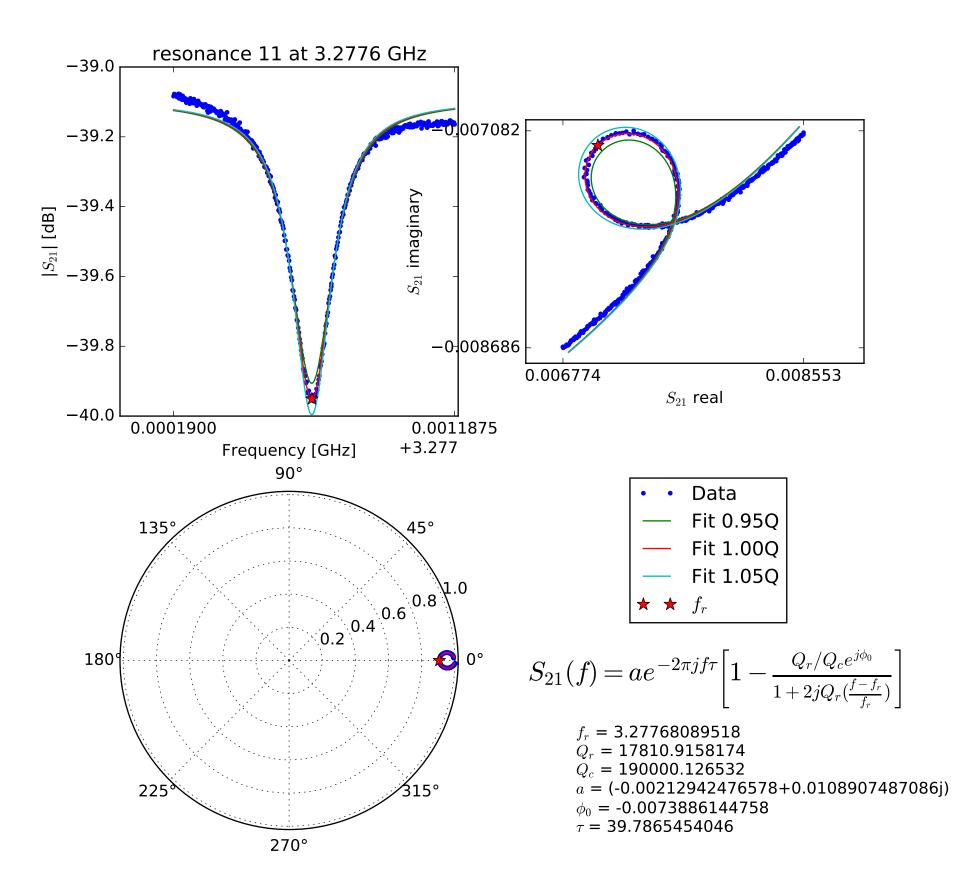
 $\tau$  = 35.43072386

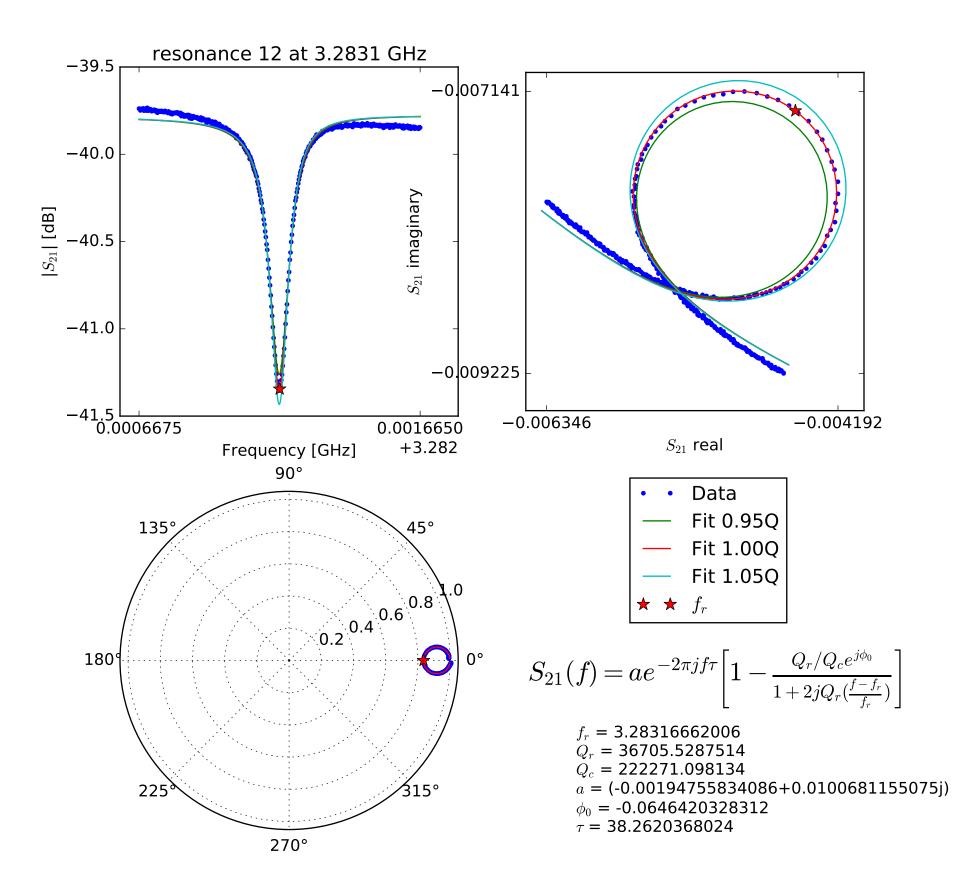


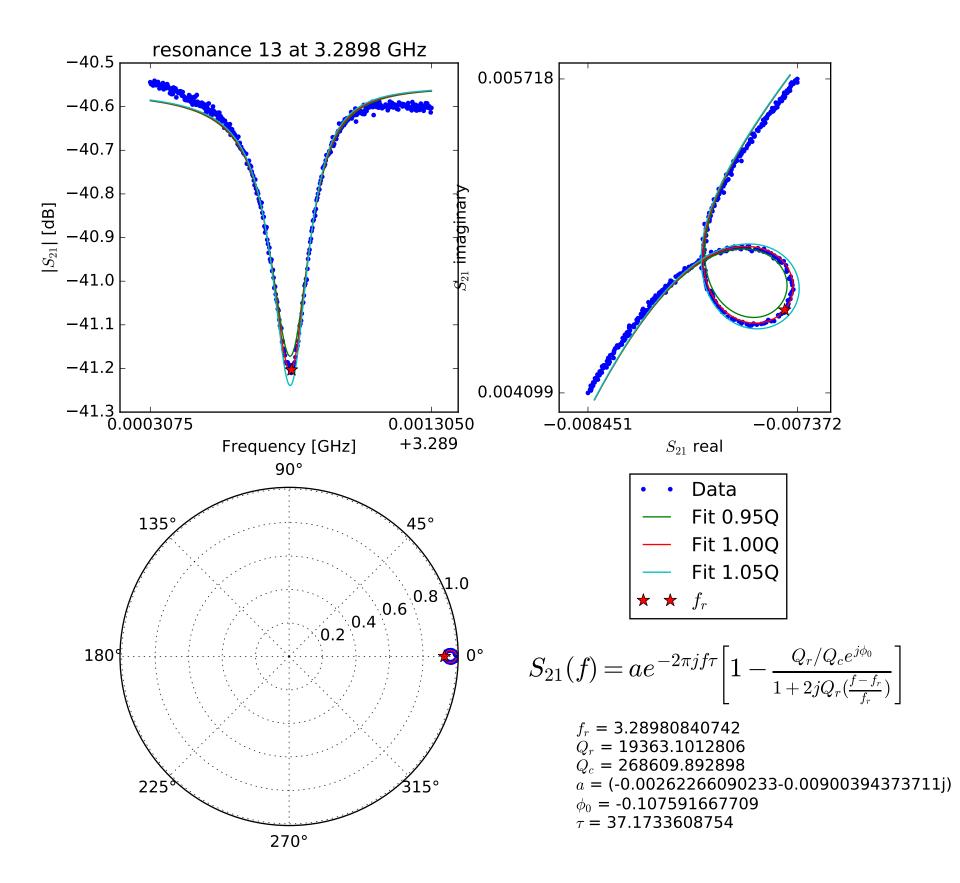


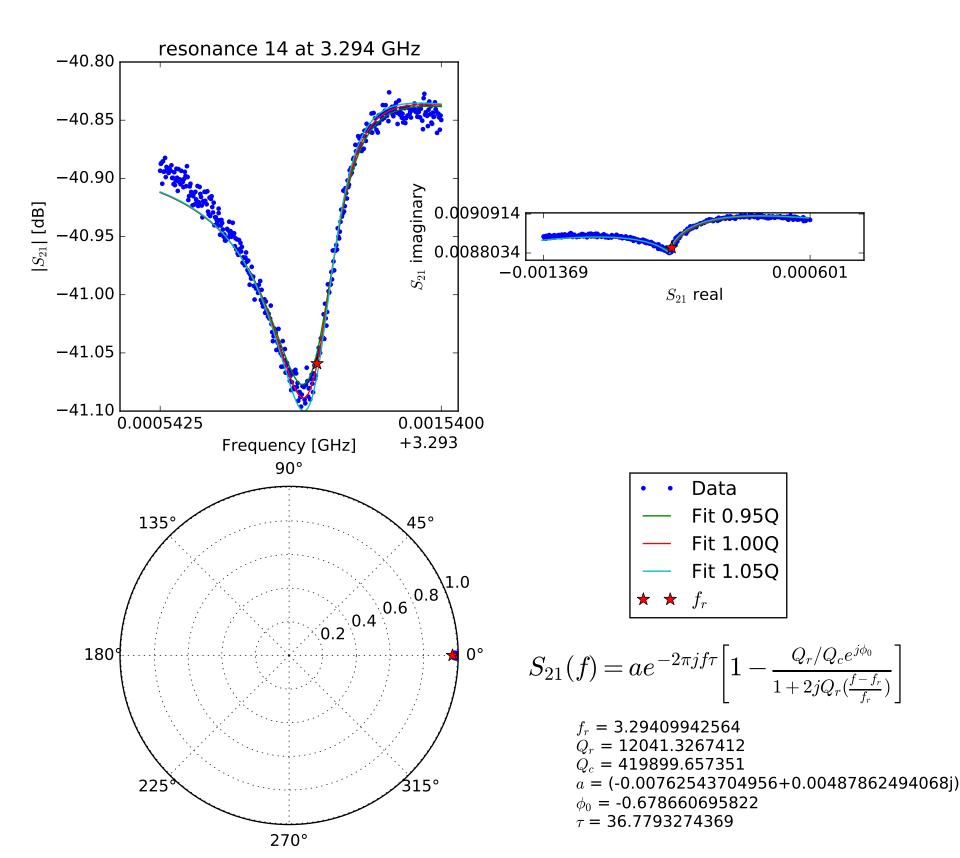


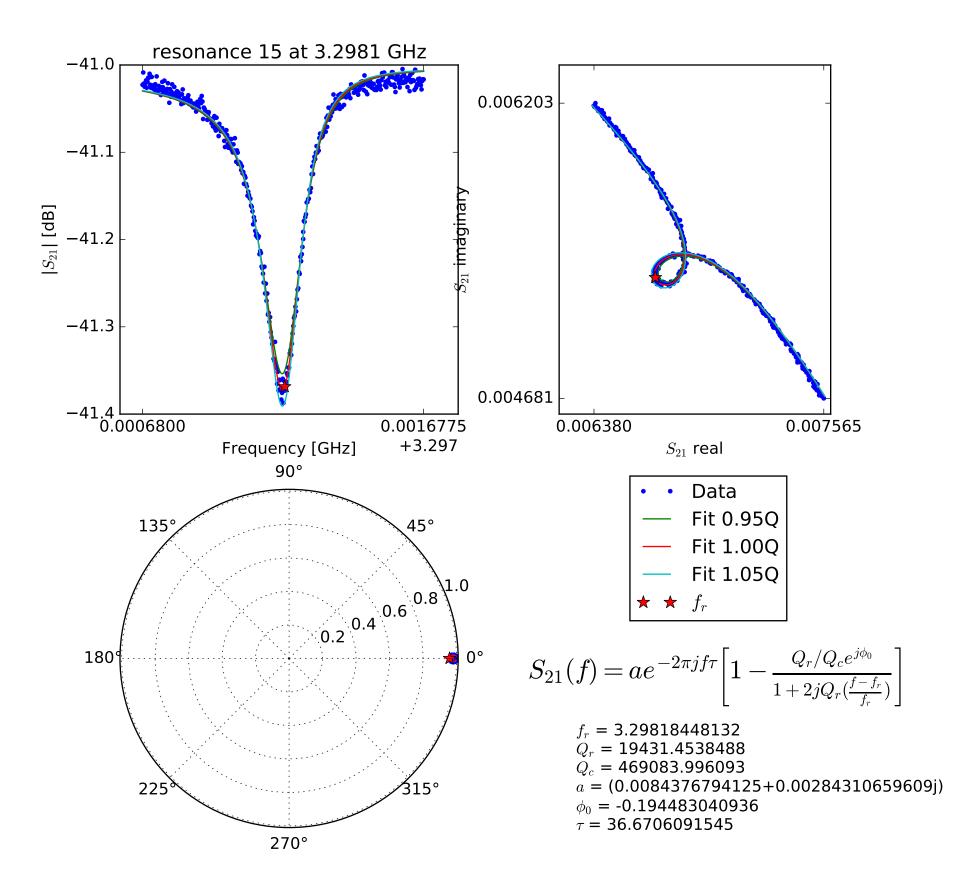


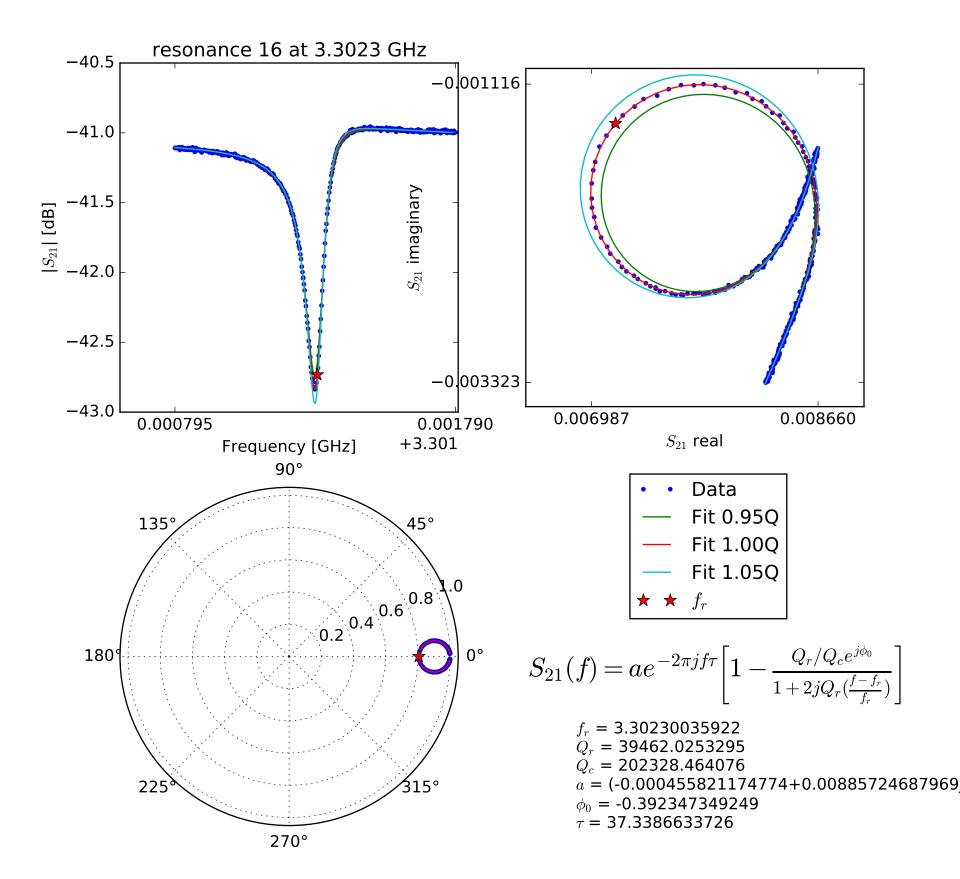


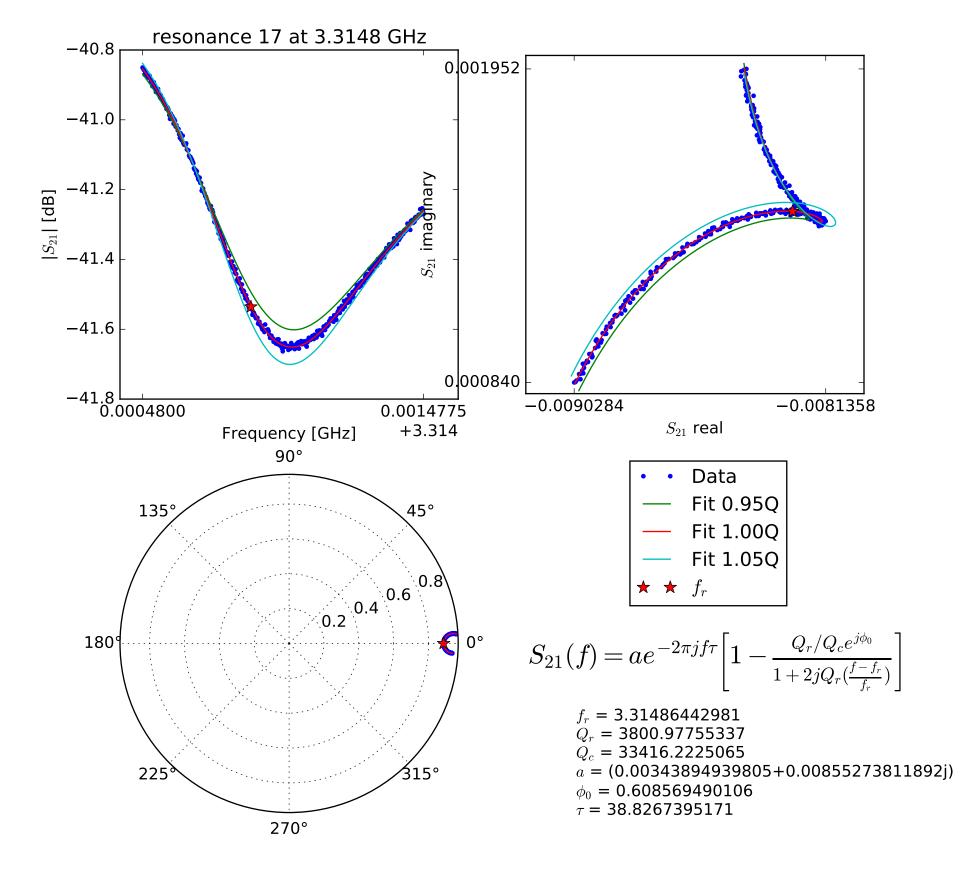


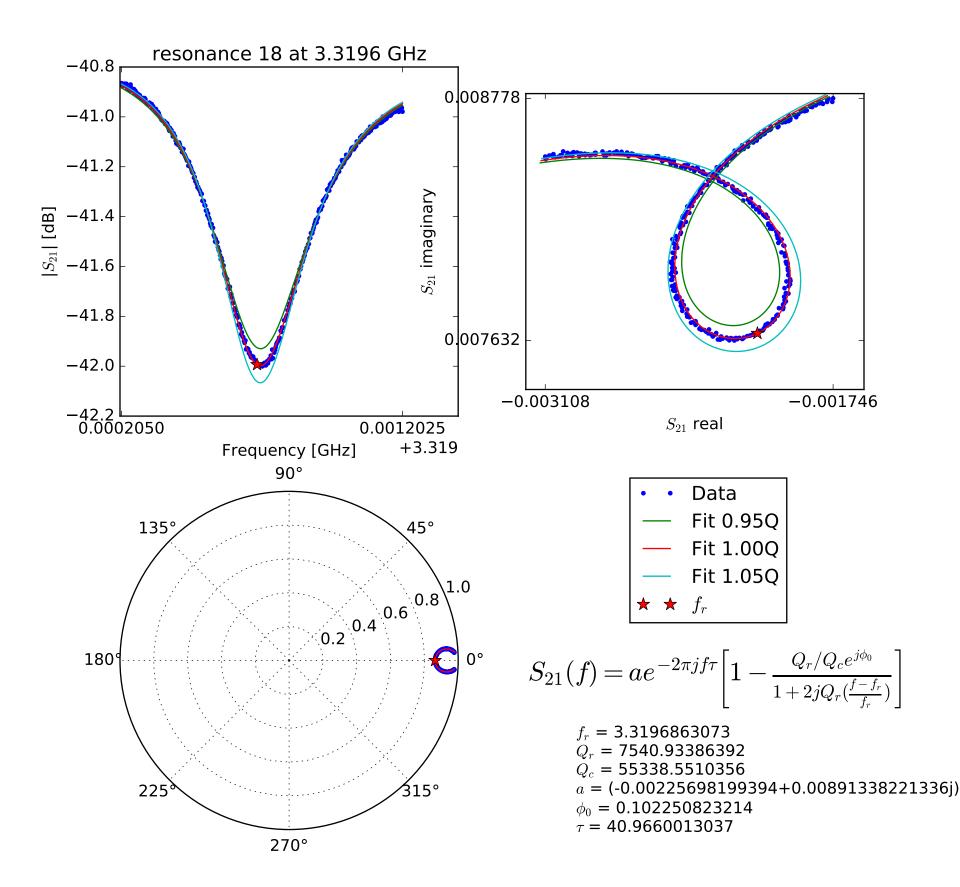


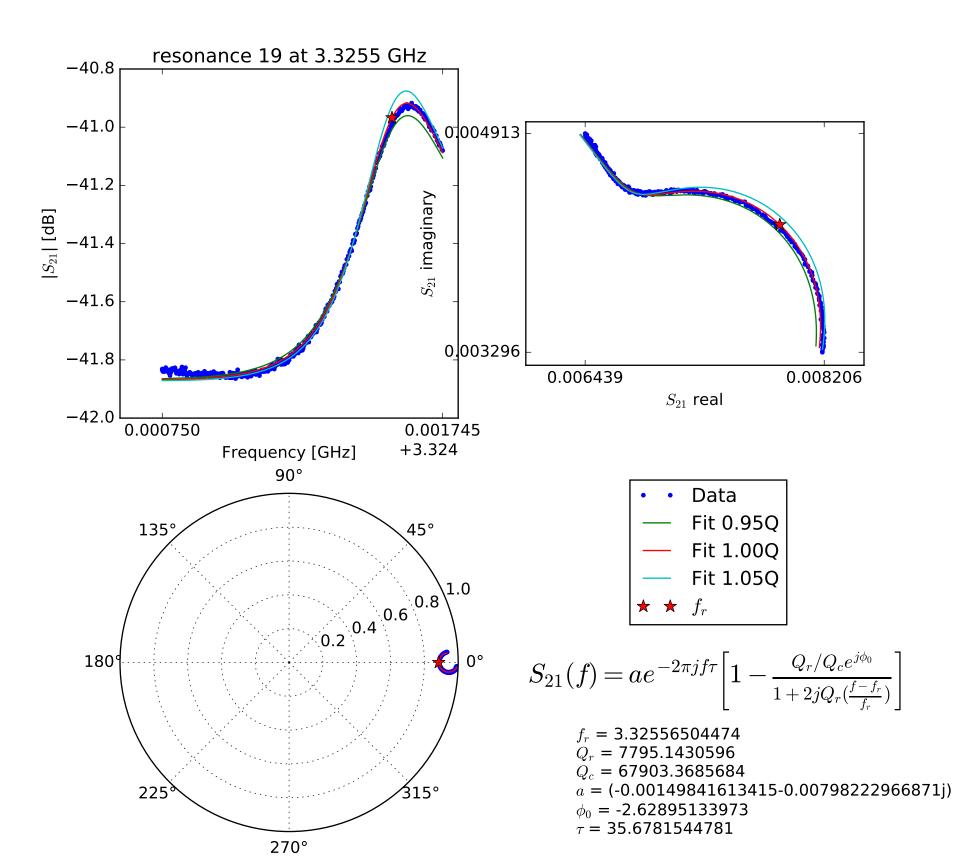


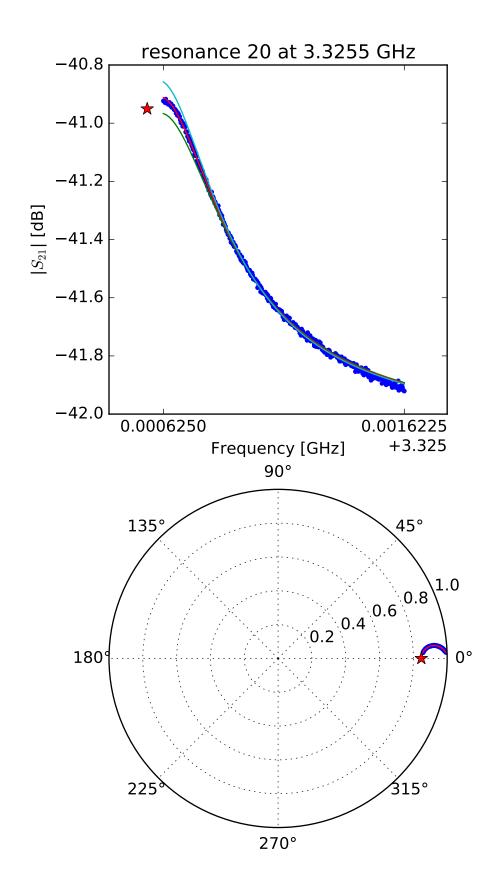


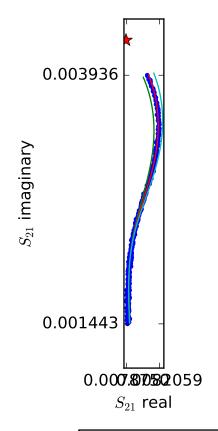


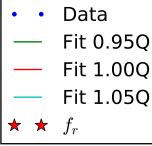












$$S_{21}(f) = ae^{-2\pi jf au} igg[ 1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

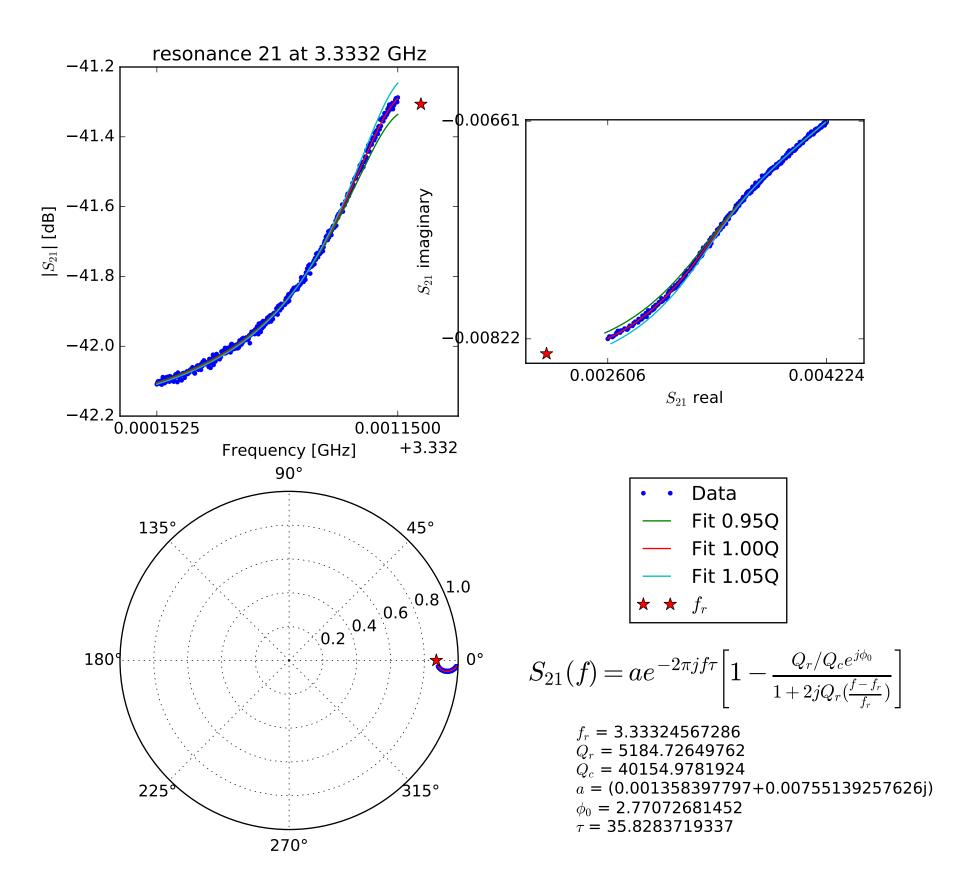
 $f_r = 3.32555822525$  $Q_r = 6111.3176256$ 

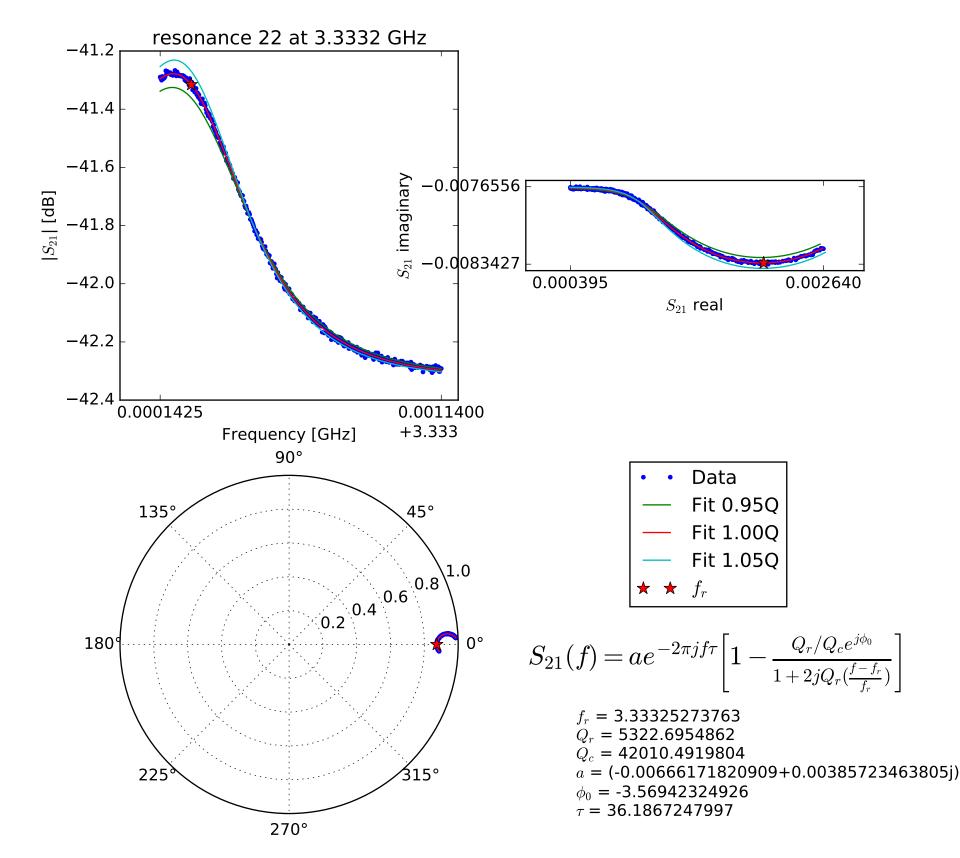
 $Q_c = 39968.3053503$ 

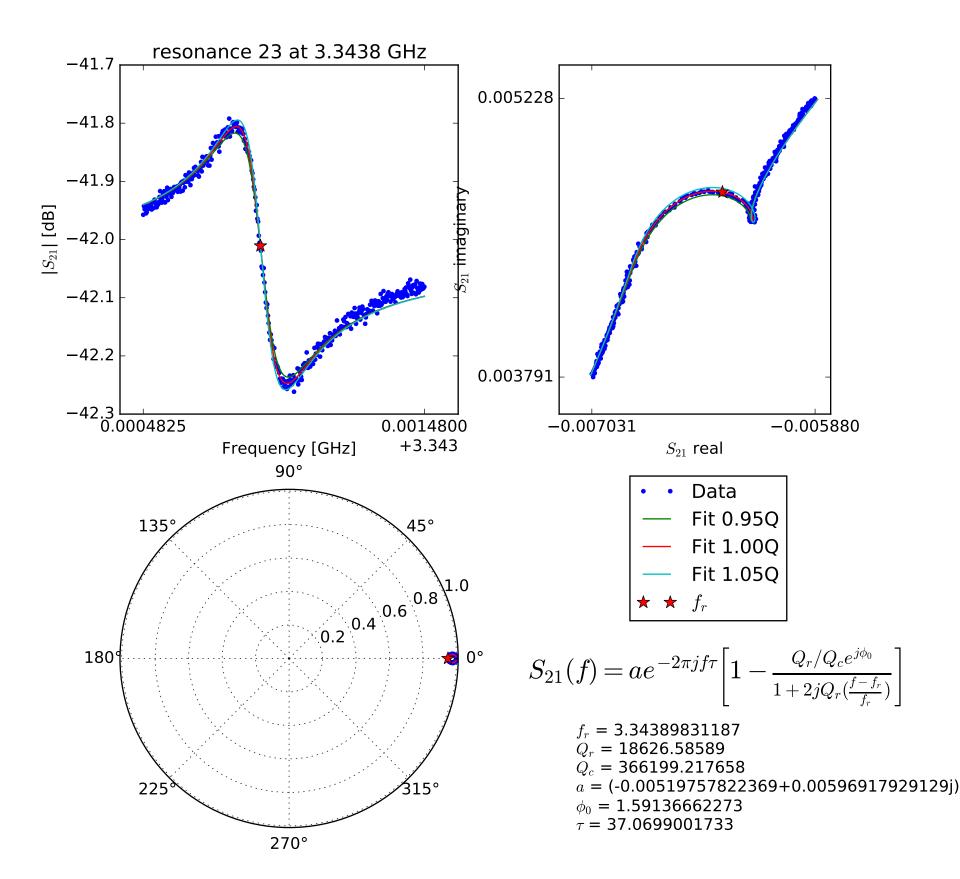
a = (0.00753869257139 + 0.00219884781003j)

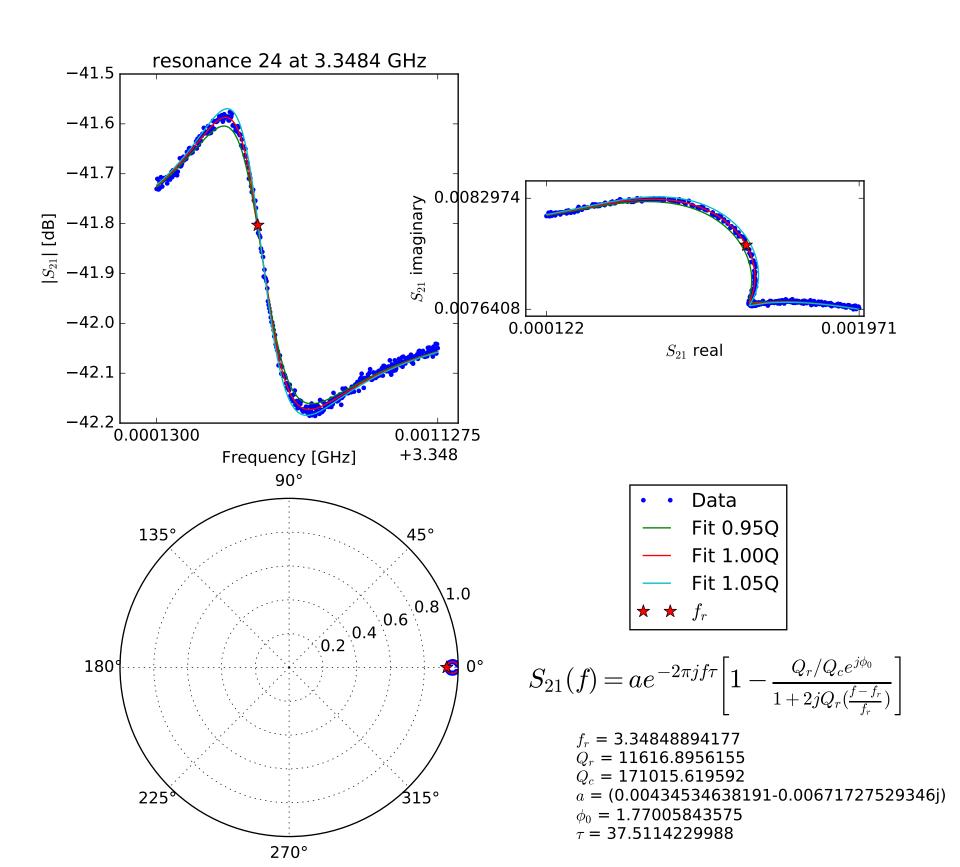
 $\phi_0 = -2.72287704886$ 

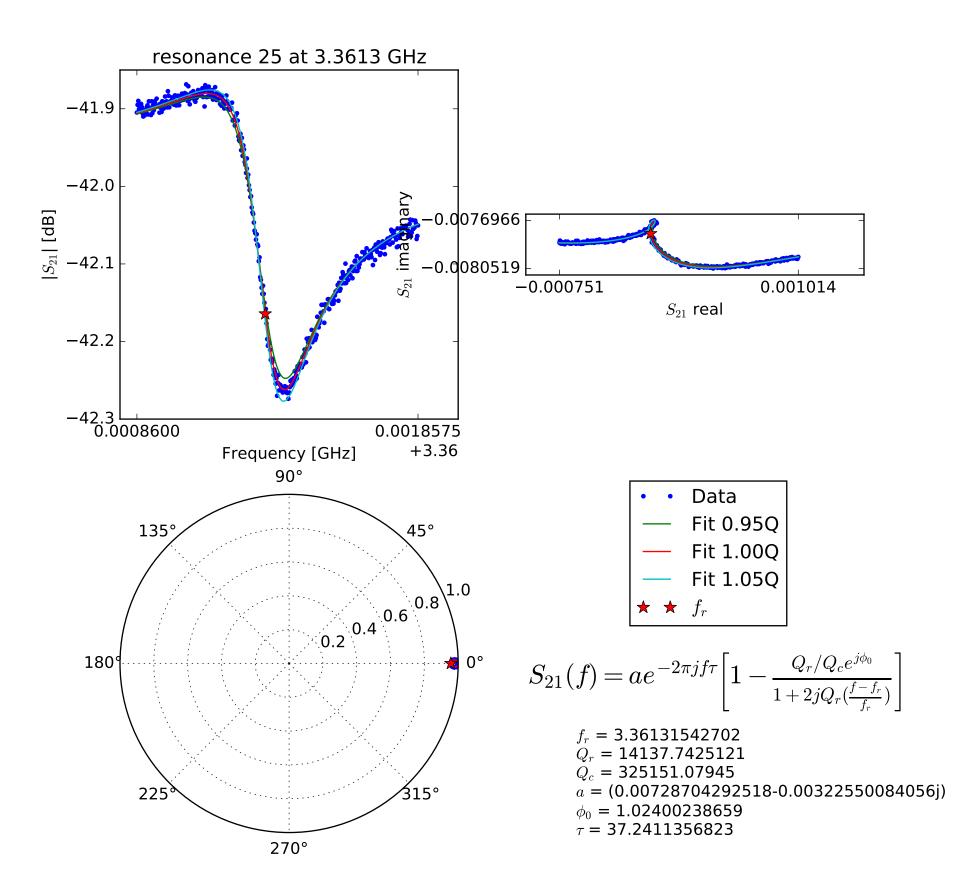
 $\tau = 34.8736812514$ 

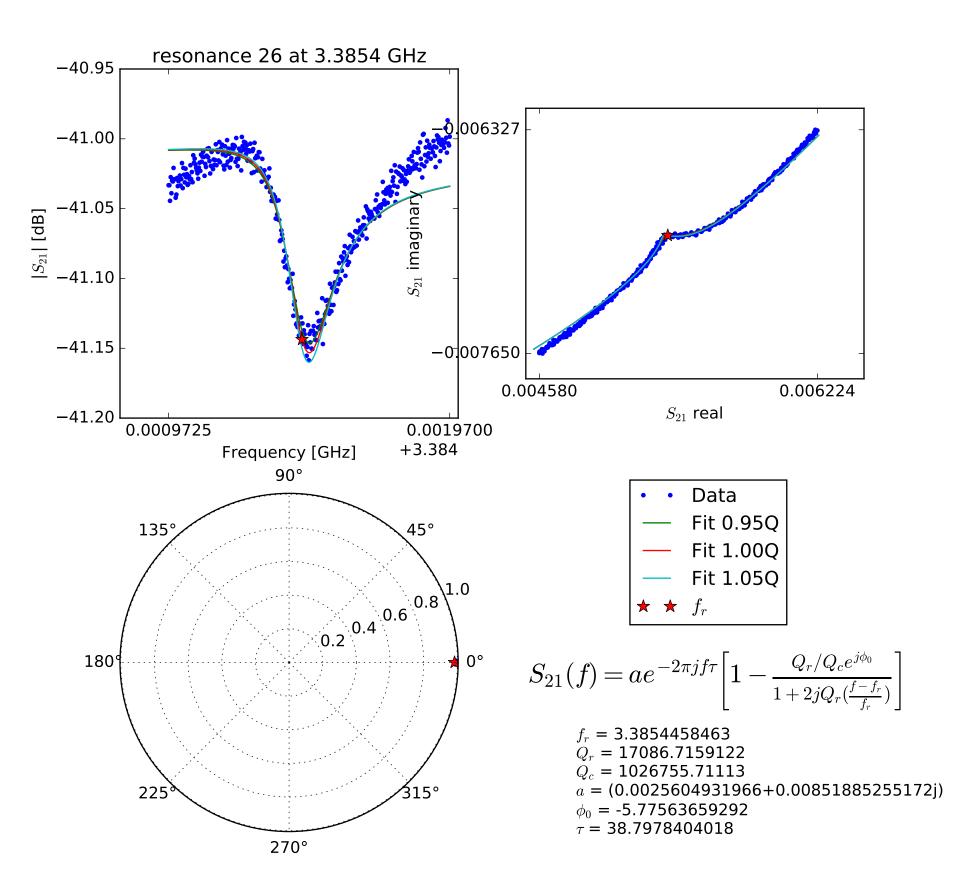


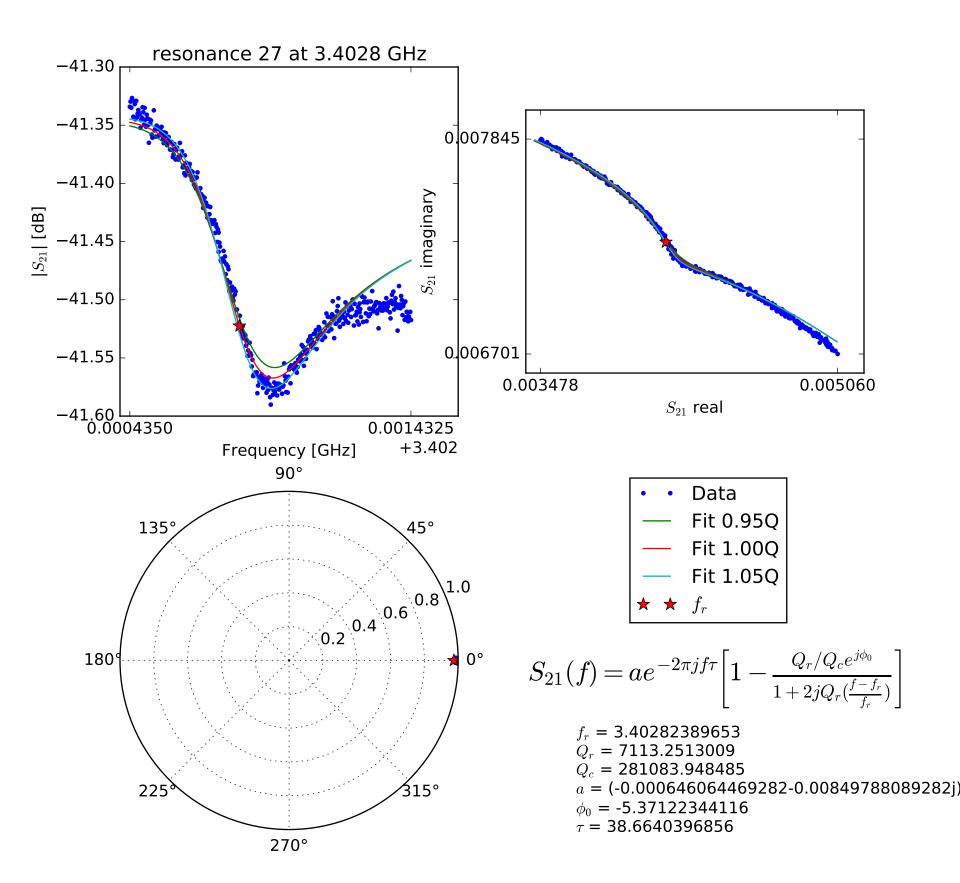


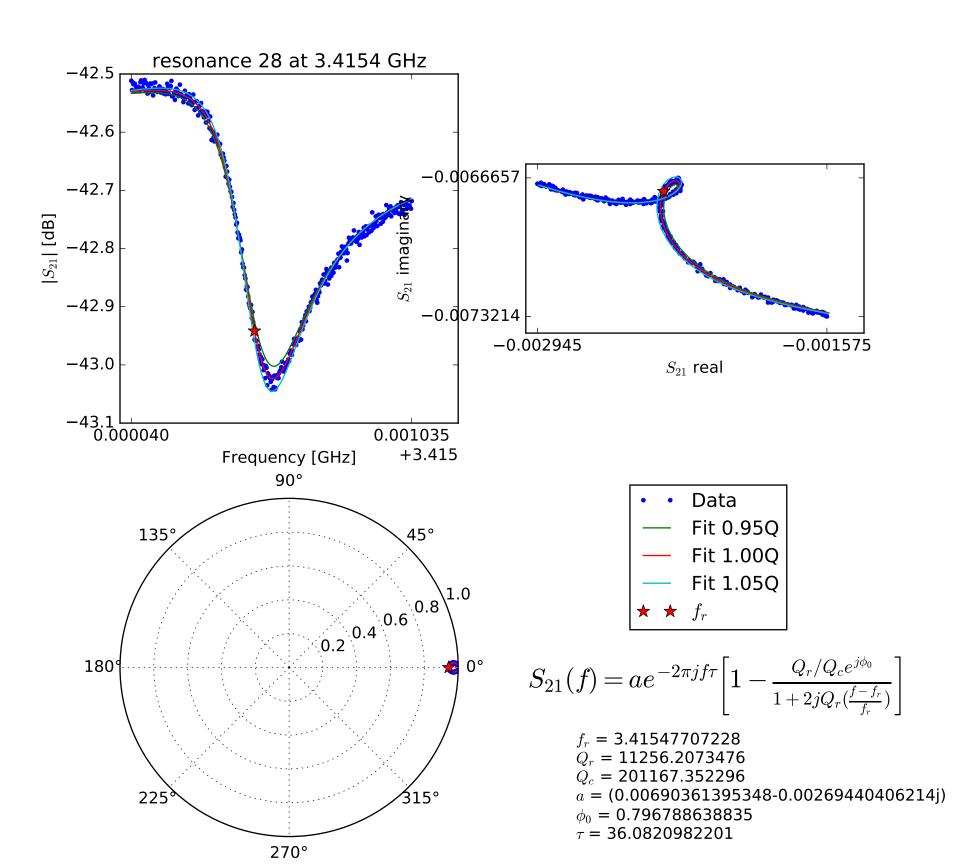


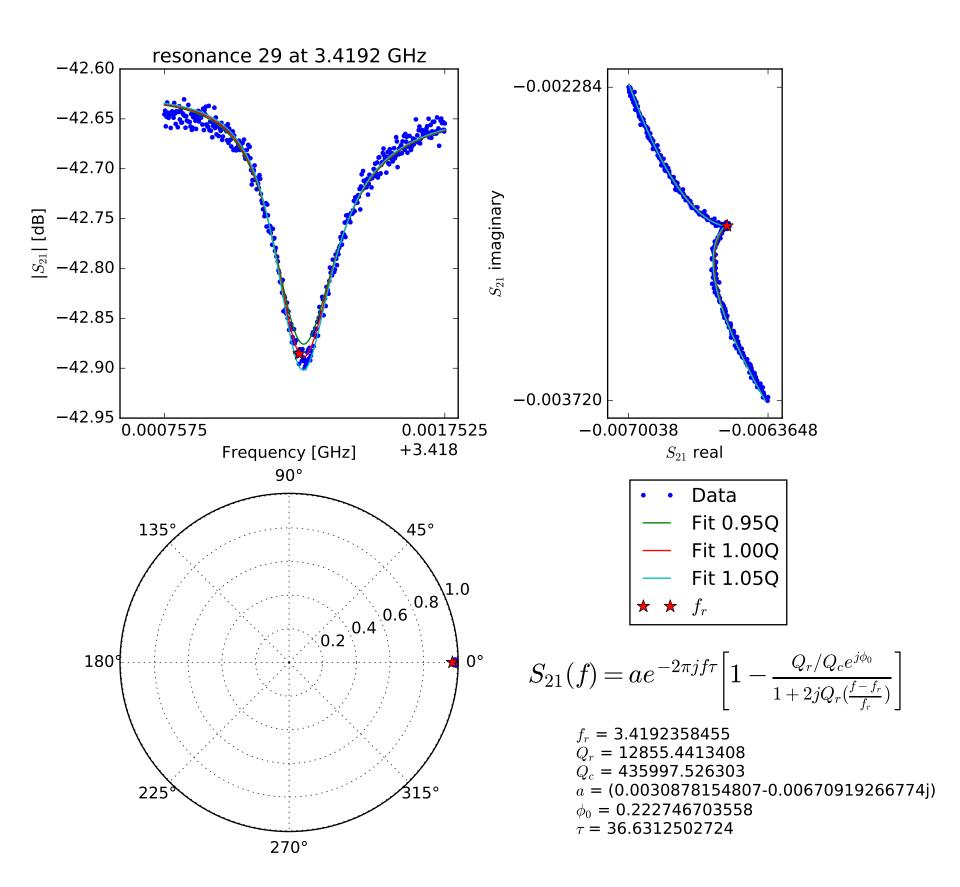


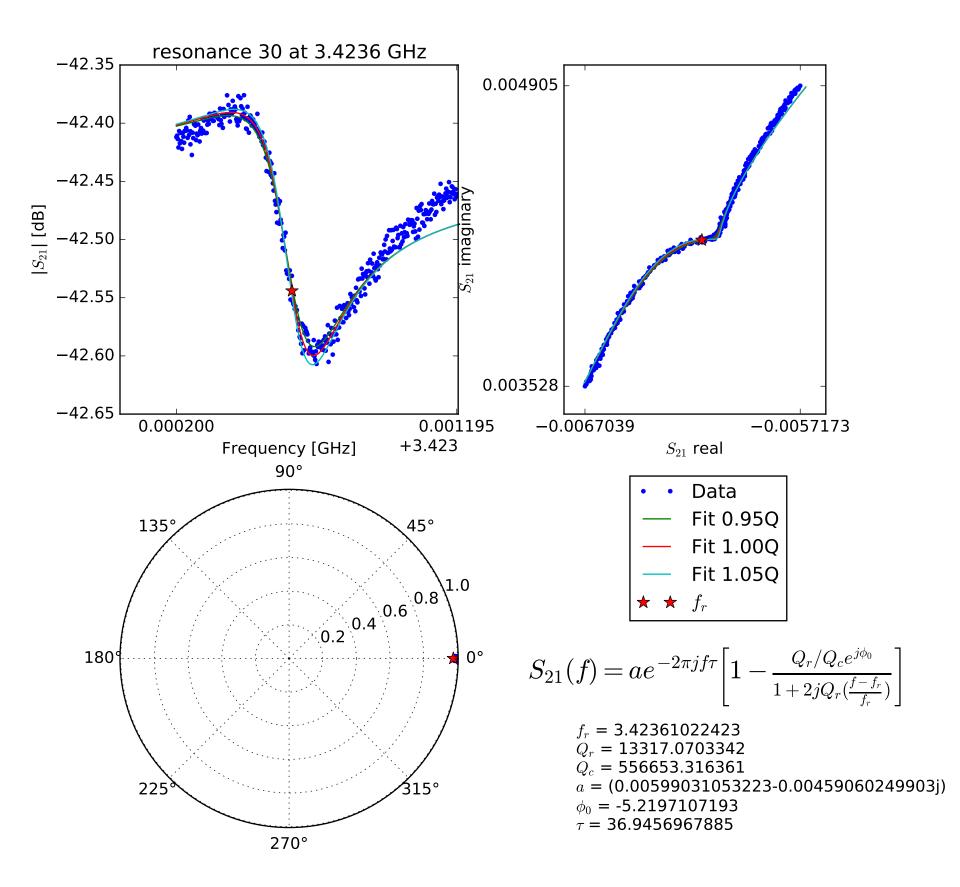


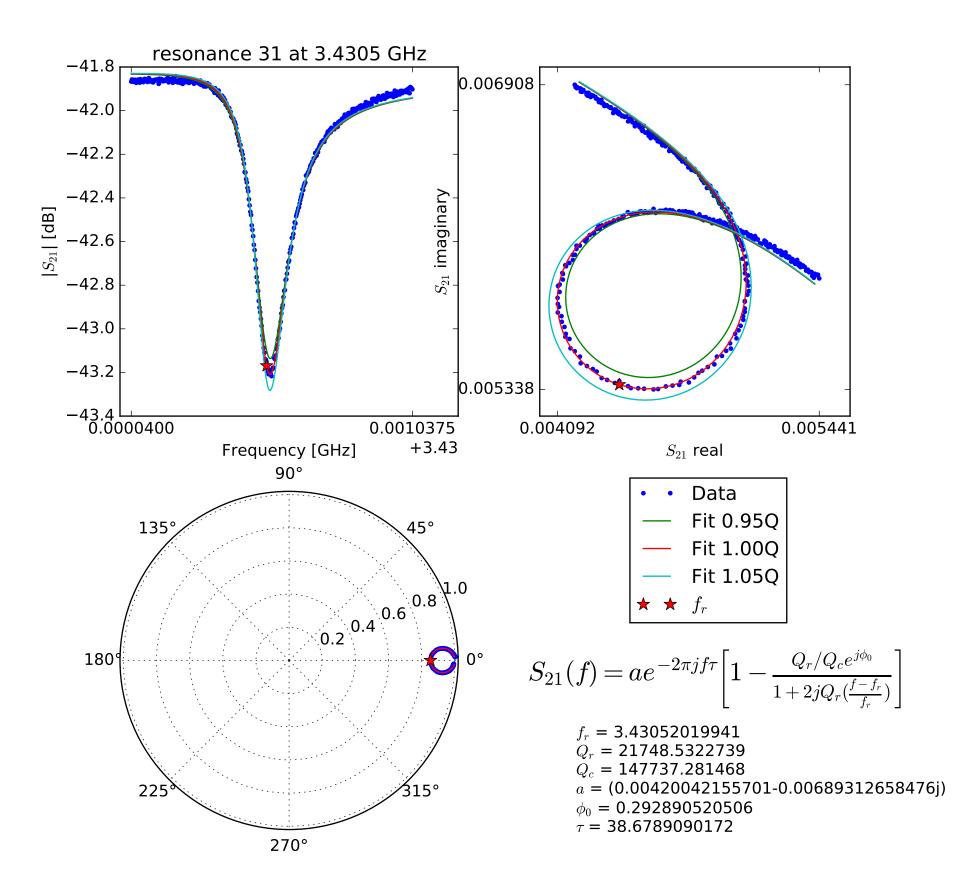


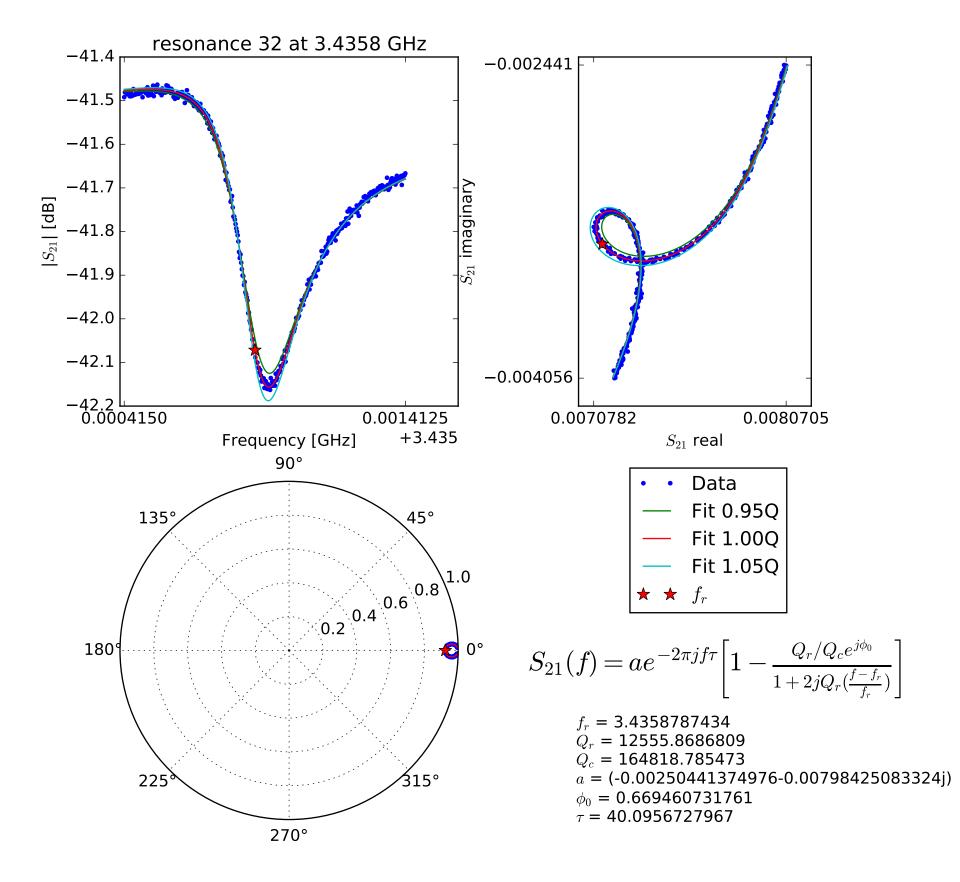


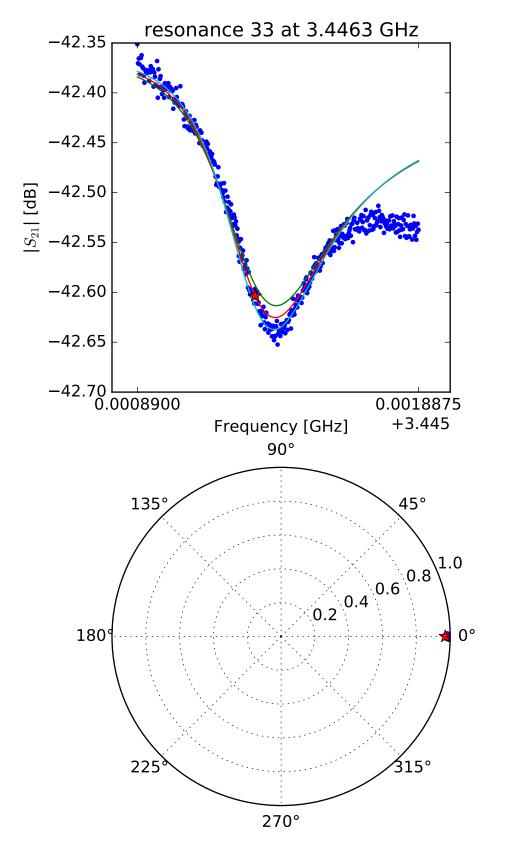


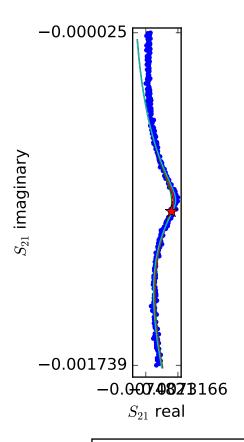


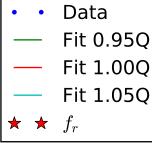












$$S_{21}(f) = ae^{-2\pi jf au} igg[ 1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.44630790914$ 

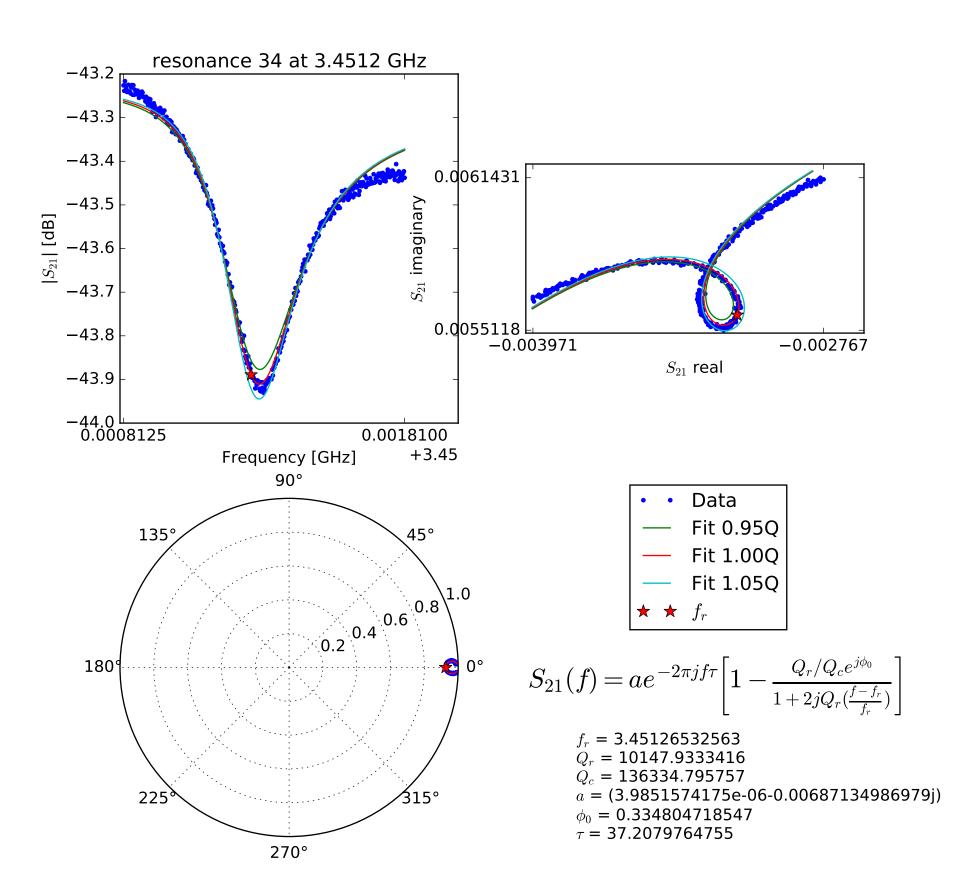
 $Q_r = 7273.51517784$ 

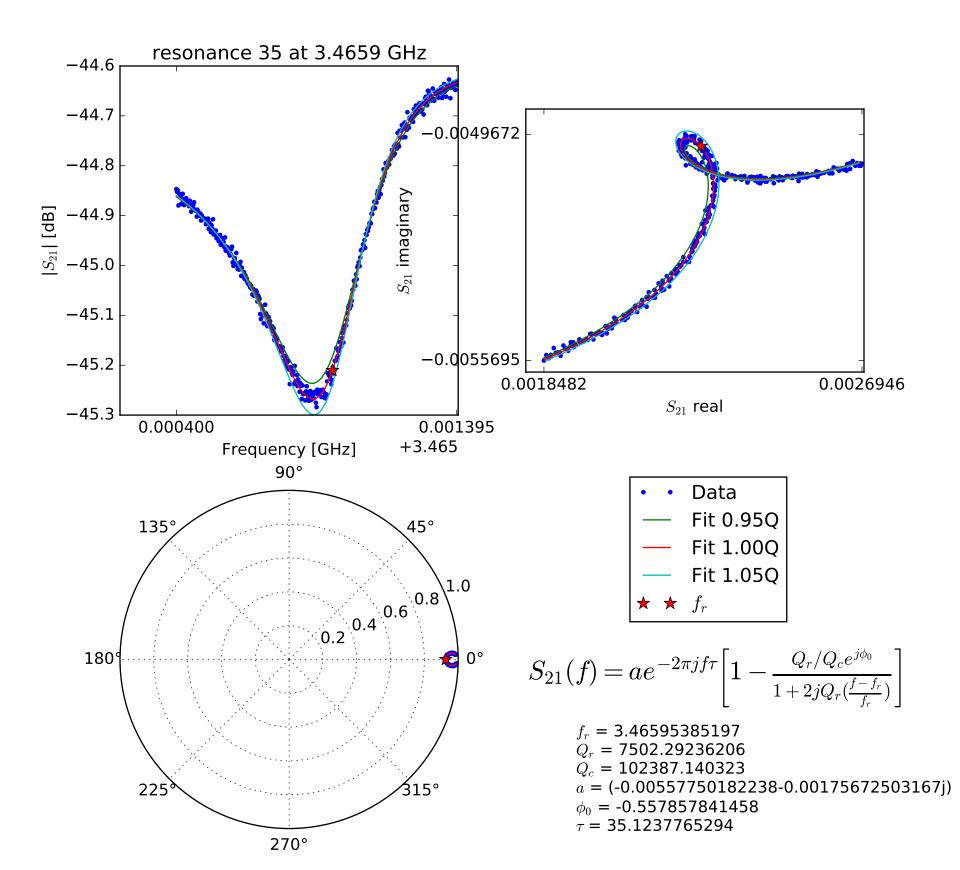
 $Q_c = 249413.13136$ 

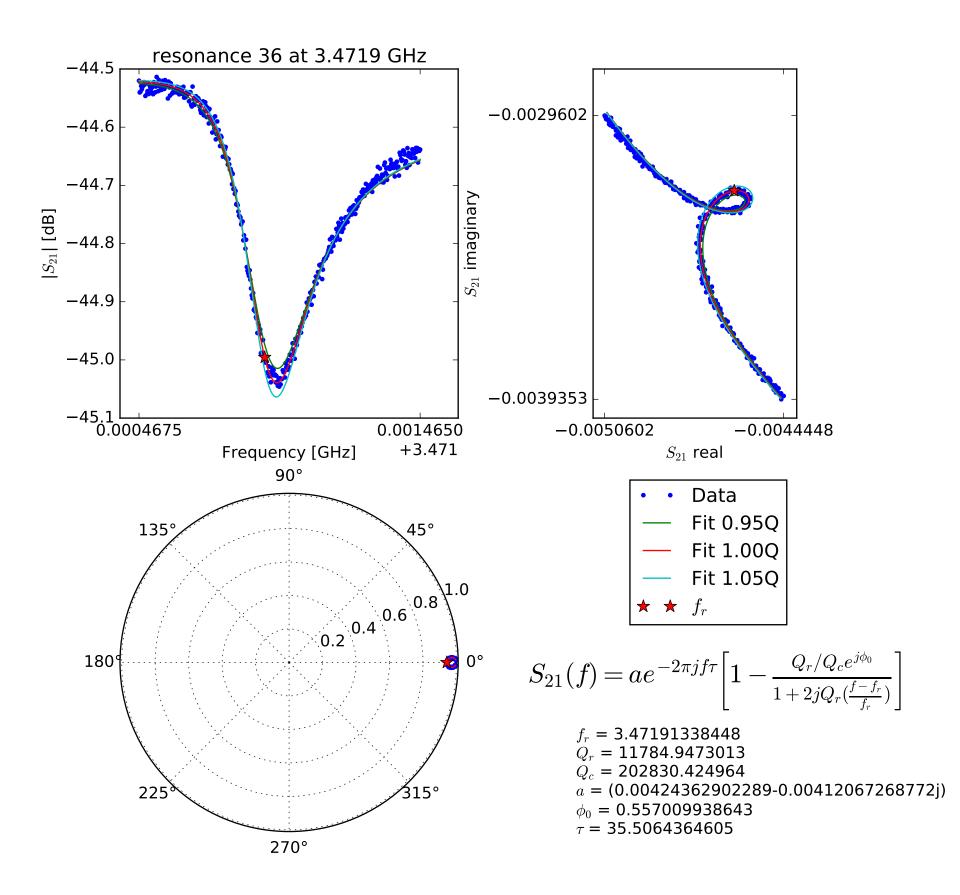
a = (0.000801674771199 + 0.00755260685644j)

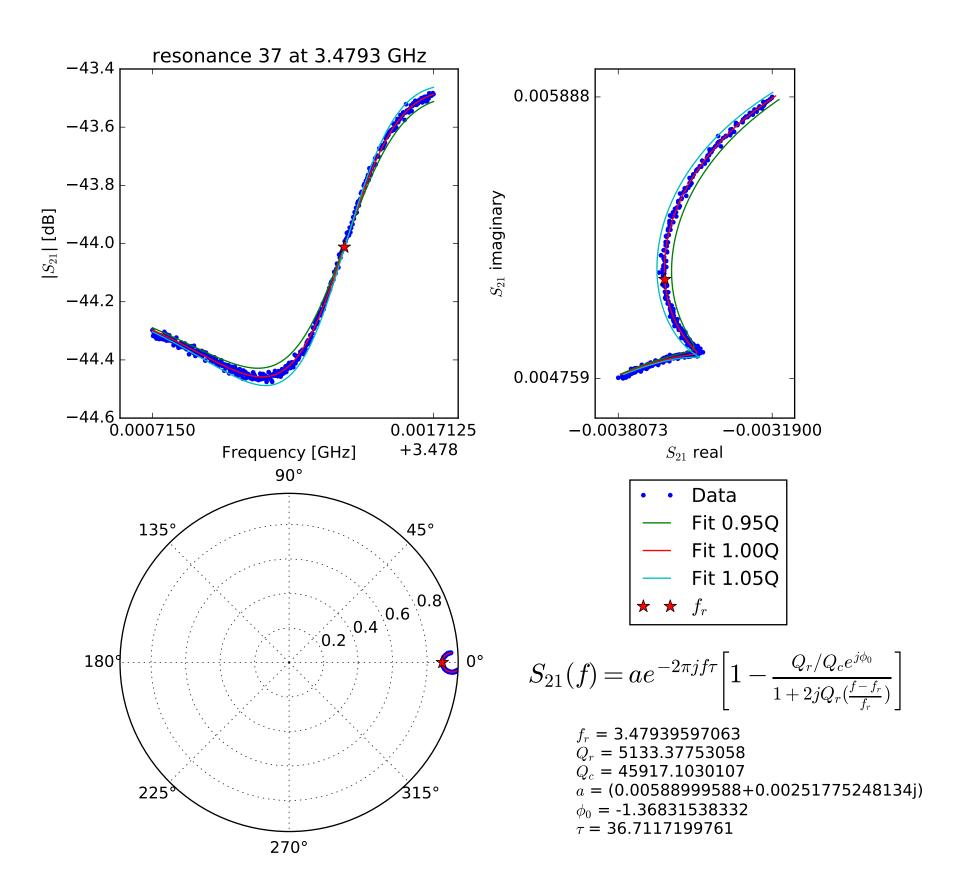
 $\phi_0 = -5.70909826459$ 

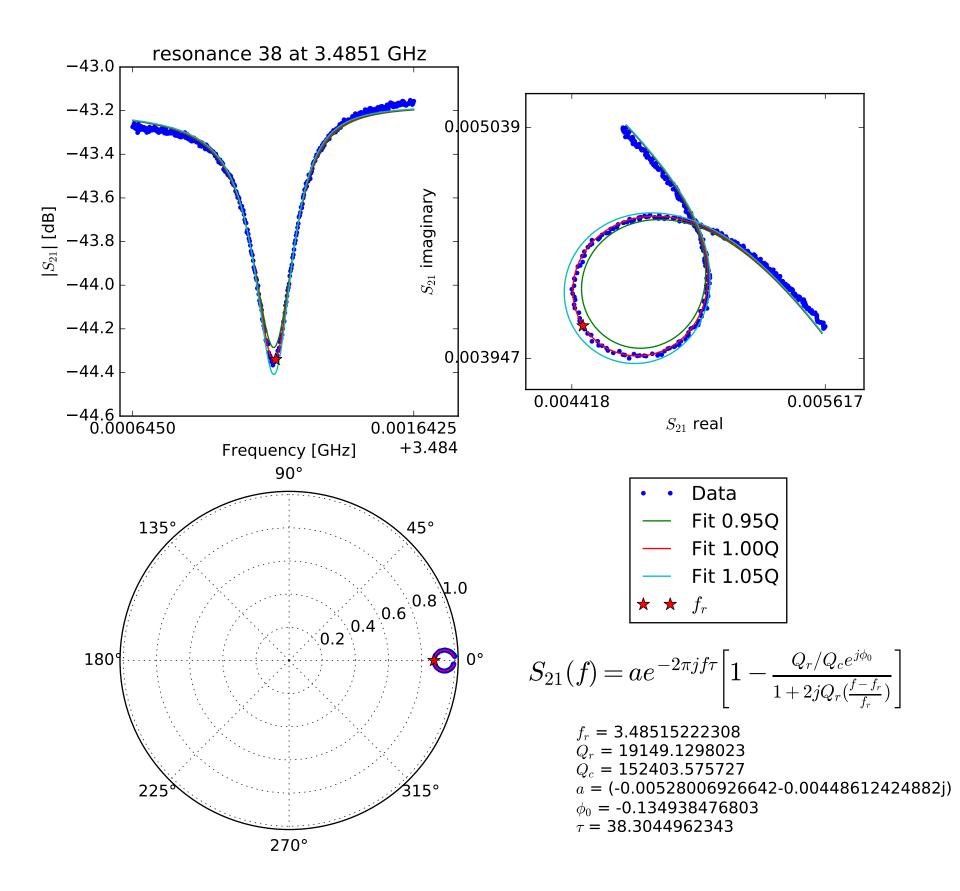
 $\tau$  = 39.0882714329

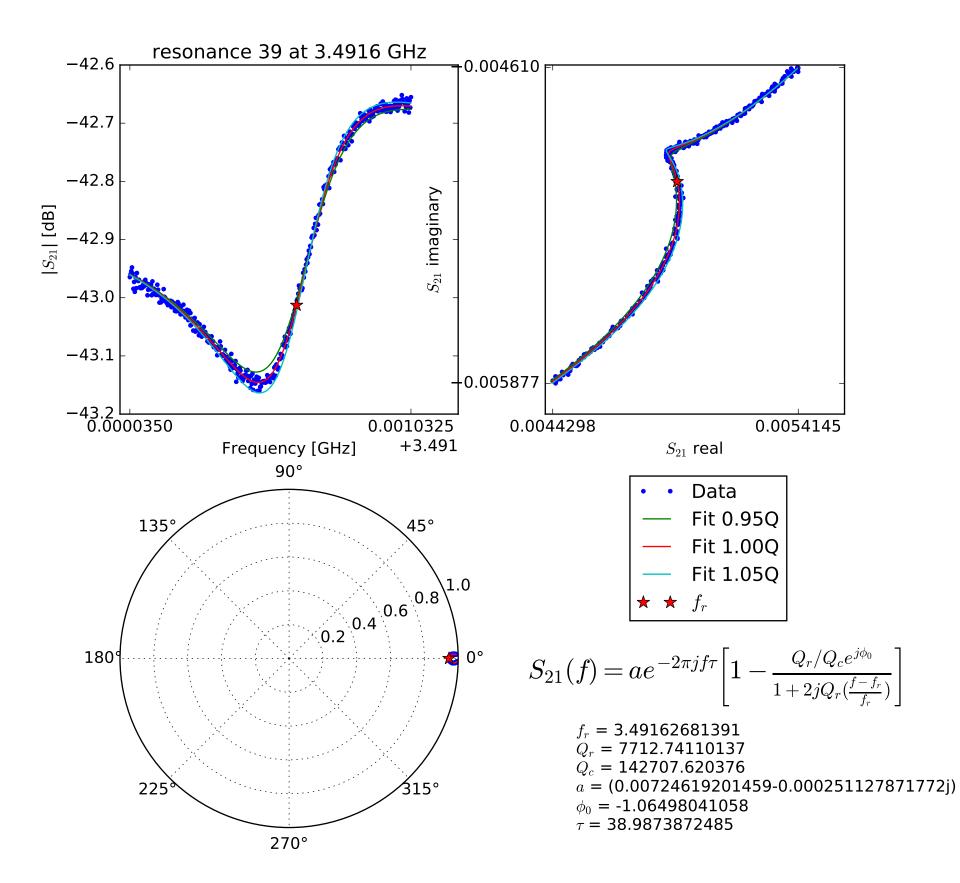


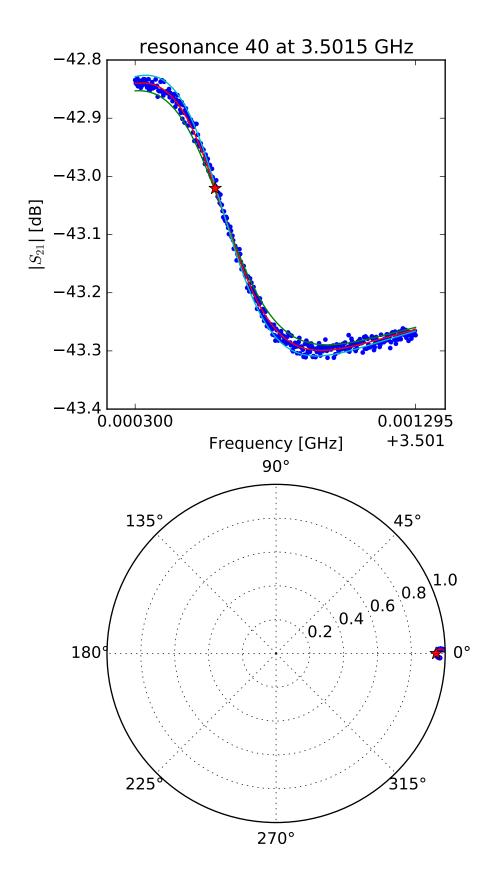


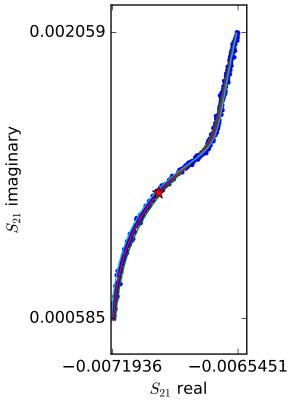


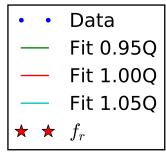












$$S_{21}(f) = ae^{-2\pi j f au} igg[ 1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.50158386946$ 

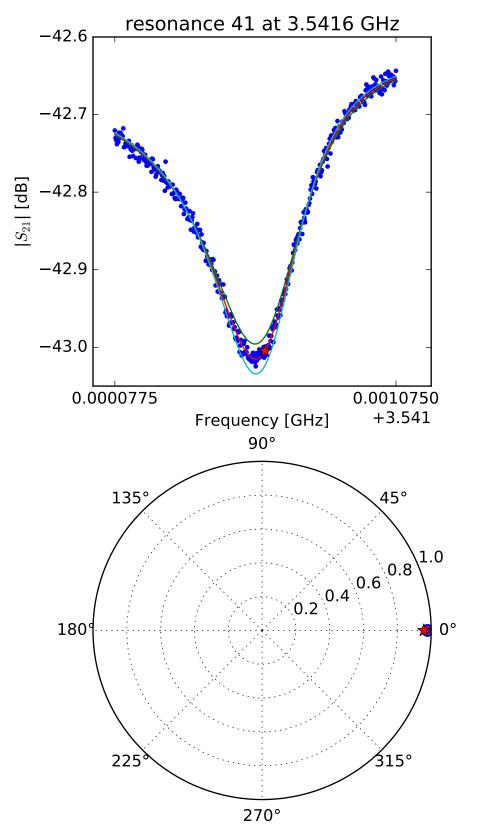
 $Q_r = 5605.68485955$ 

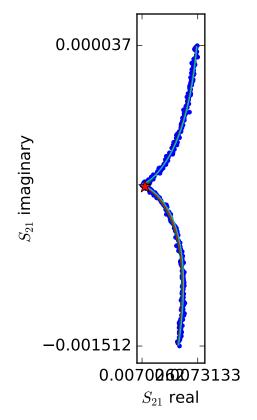
 $Q_c = 105460.896315$ 

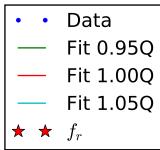
a = (0.00101696309423 - 0.00691898556979j)

 $\phi_0 = -4.55070662515$ 

 $\tau$  = 37.7808565357







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

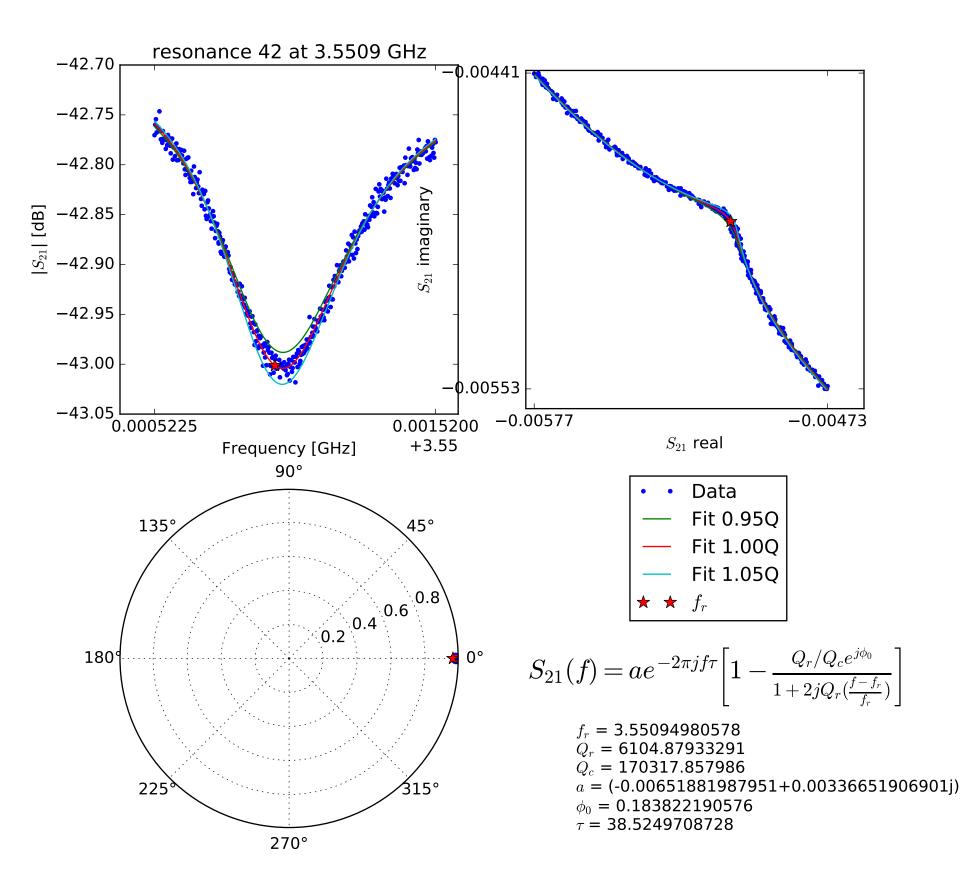
 $f_r = 3.5416101153$  $Q_r = 8492.29511668$ 

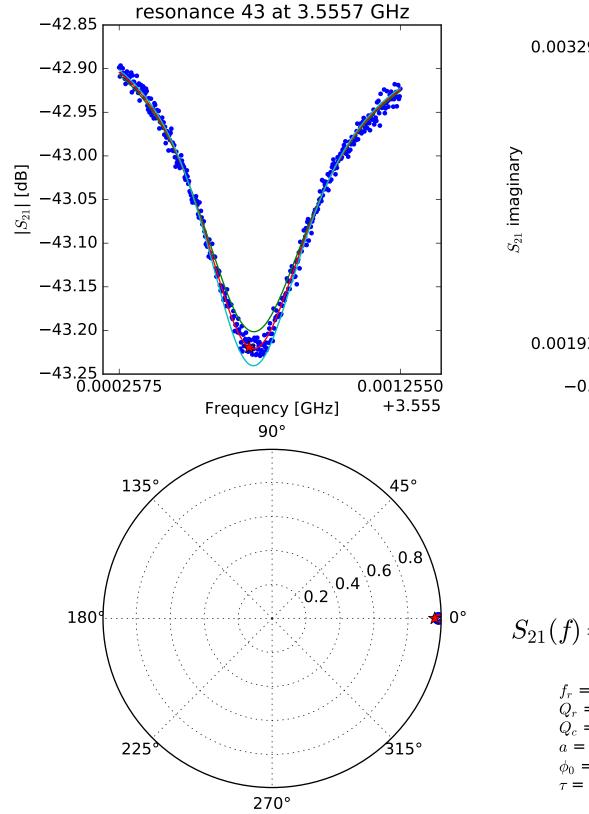
 $Q_c = 194851.035465$ 

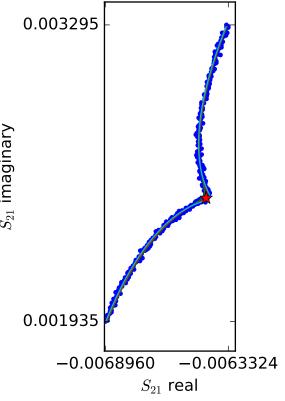
a = (0.000884761696707 - 0.00732777191928j)

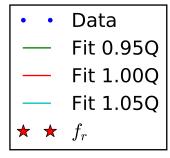
 $\phi_0 = -0.311799217764$ 

 $\tau = 38.3404418619$ 









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

 $f_r = 3.55571864375$ 

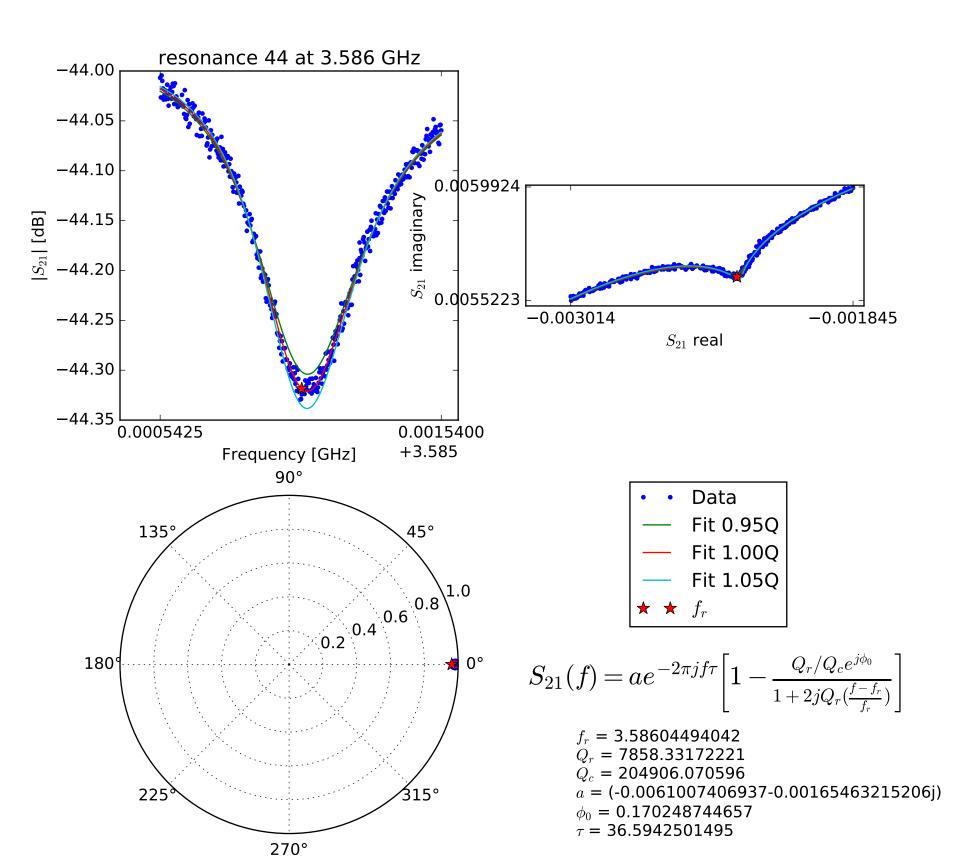
 $Q_r = 7057.02822726$ 

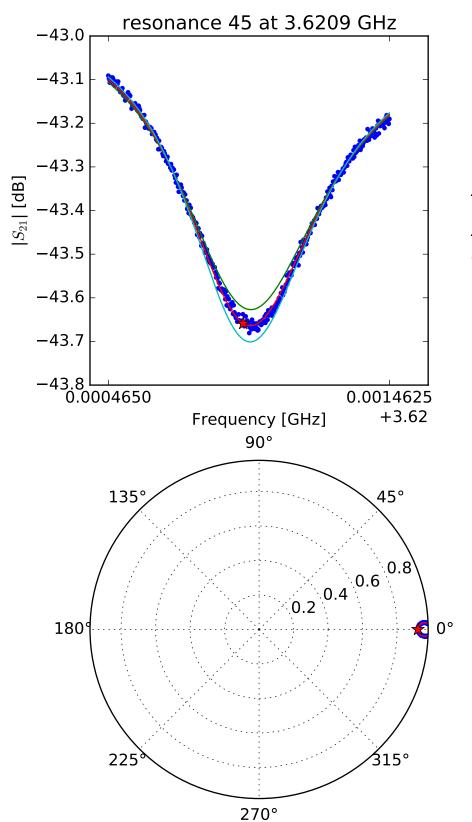
 $\vec{Q}_c = 163693.671162$ 

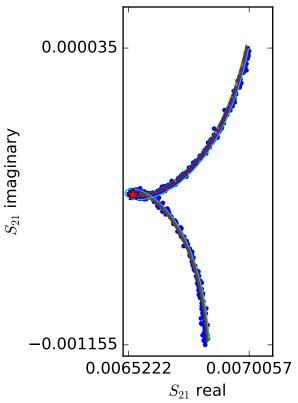
a = (0.00551159910113 + 0.00465036334455j)

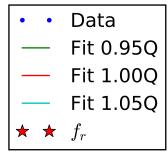
 $\phi_0 = 0.123460872757$ 

 $\tau$  = 38.1553438517









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

 $f_r = 3.62094374206$ 

 $Q_r = 5818.68264765$ 

 $Q_c = 73640.0535545$ 

a = (0.00685883383901 + 0.001900022193j)

 $\phi_0 = 0.158734655619$ 

 $\tau$  = 38.6789403633

