

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

 $f_r = 3.39558969427$

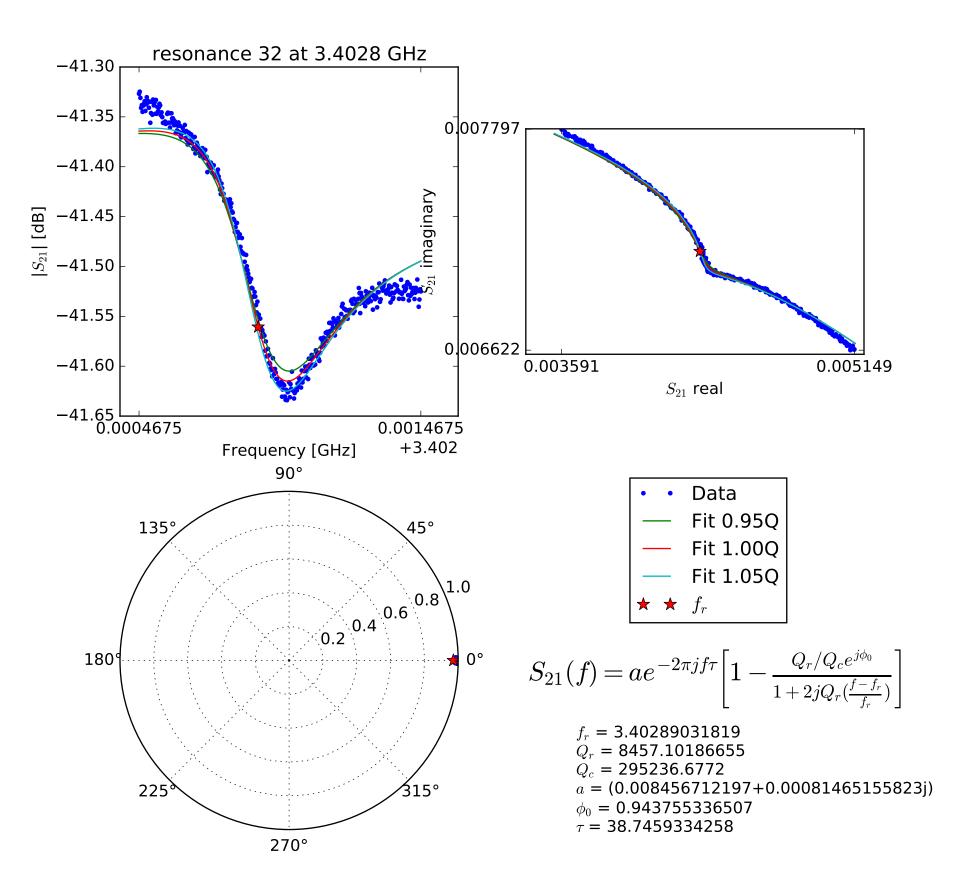
 $Q_r = 7909.86745837$

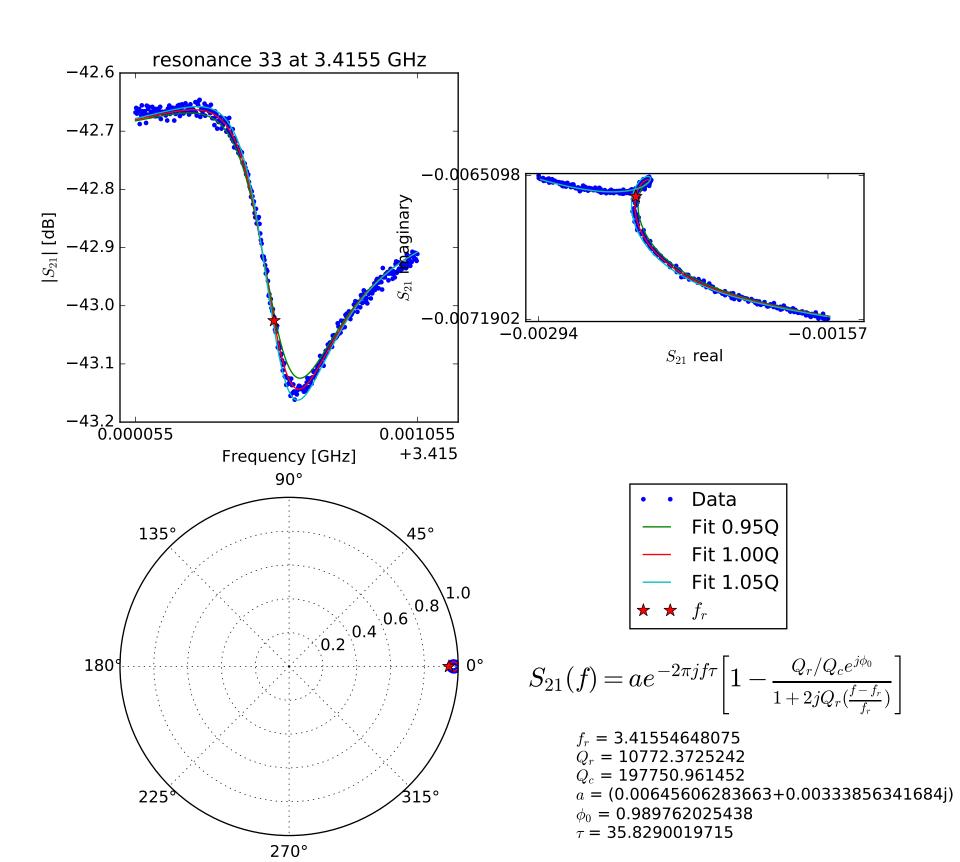
 $\ddot{Q}_c = 239960.071912$

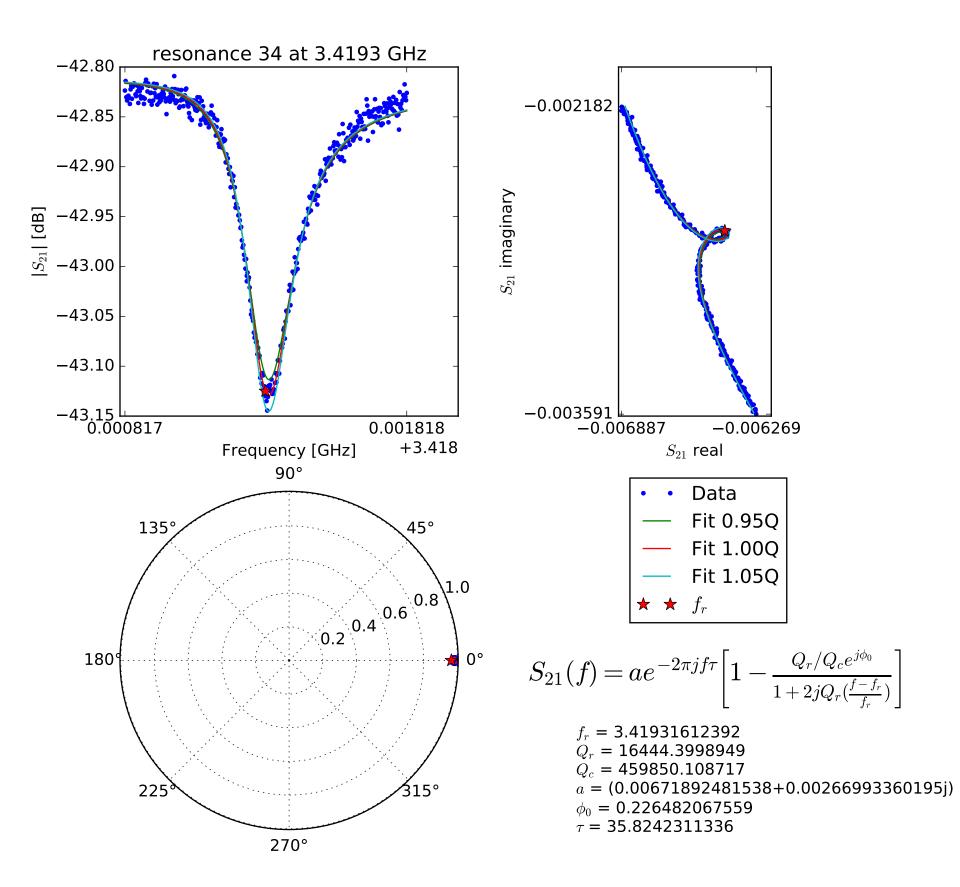
a = (0.00320038623404 + 0.00867694253768j)

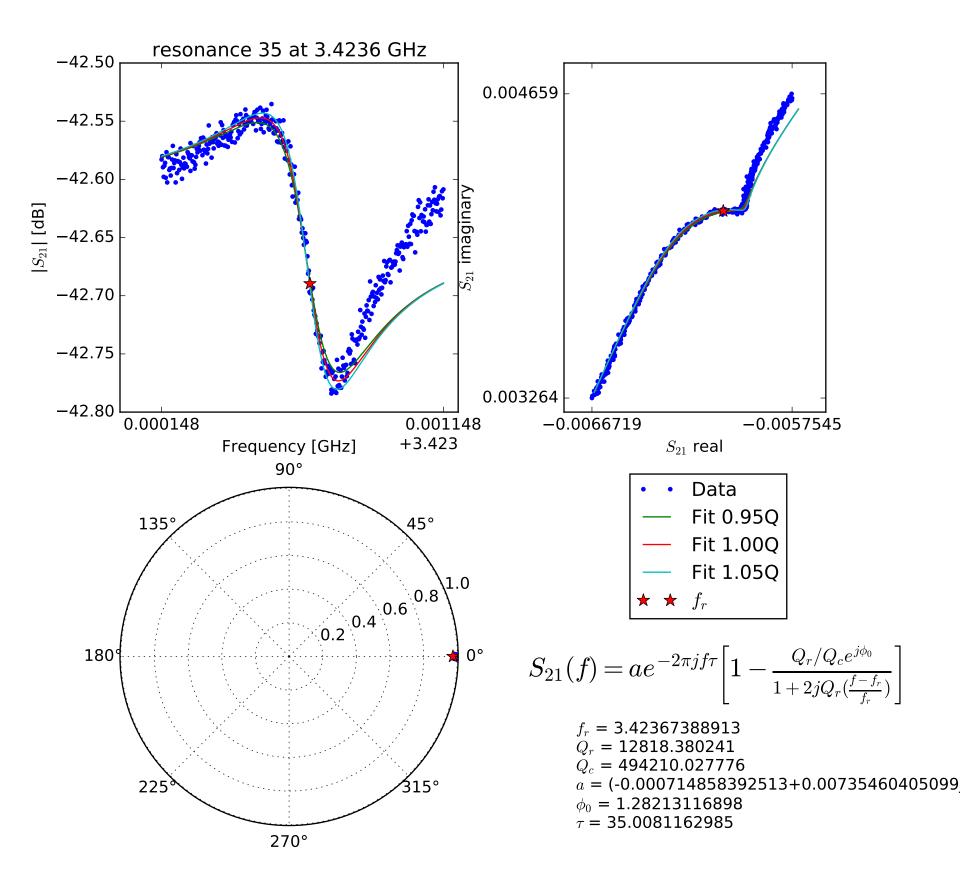
 $\phi_0 = 0.43627076182$

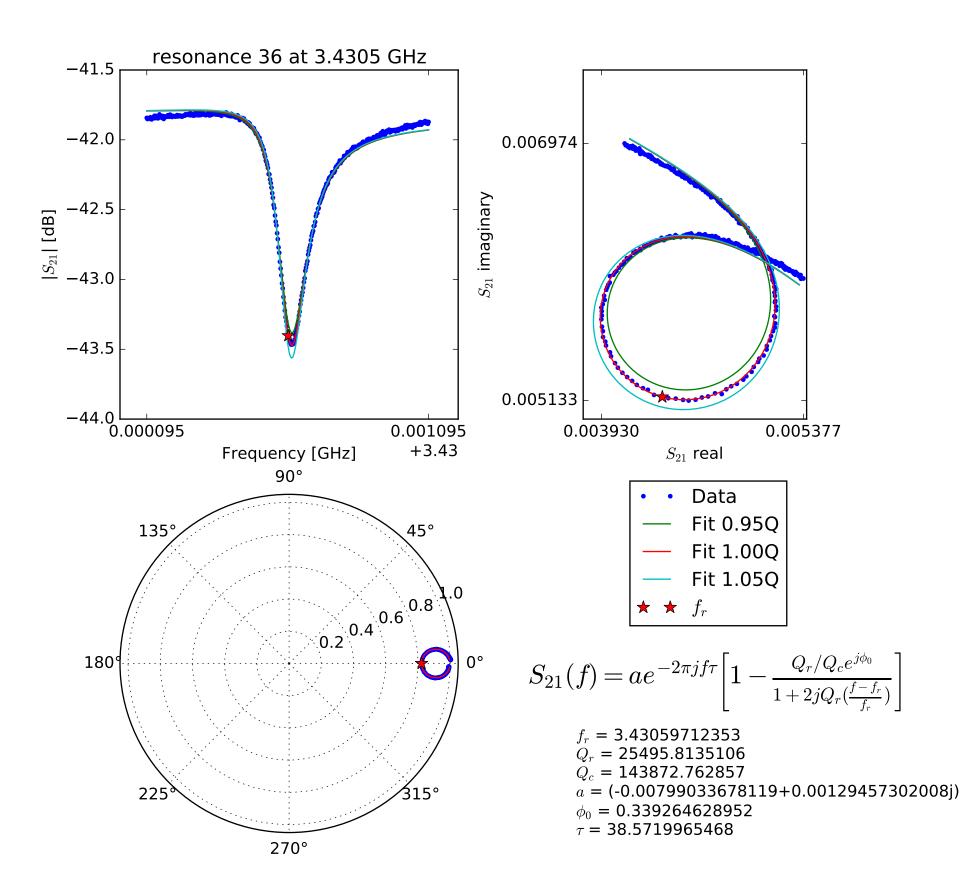
 τ = 41.1529757041

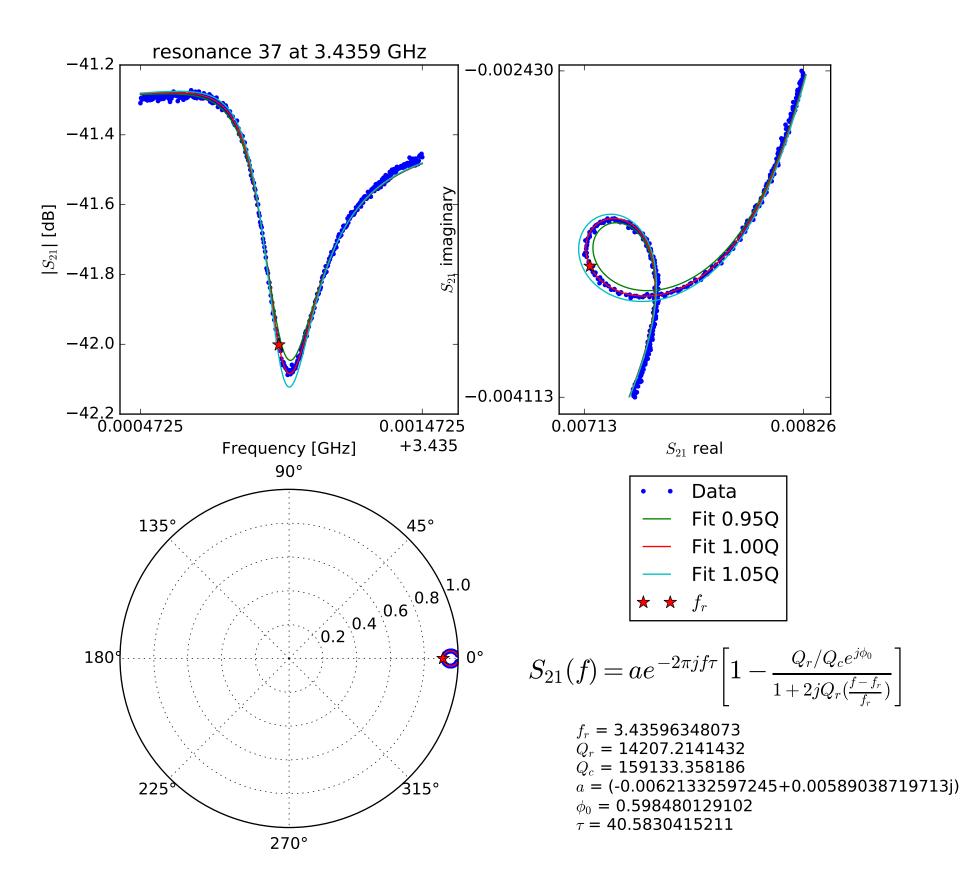


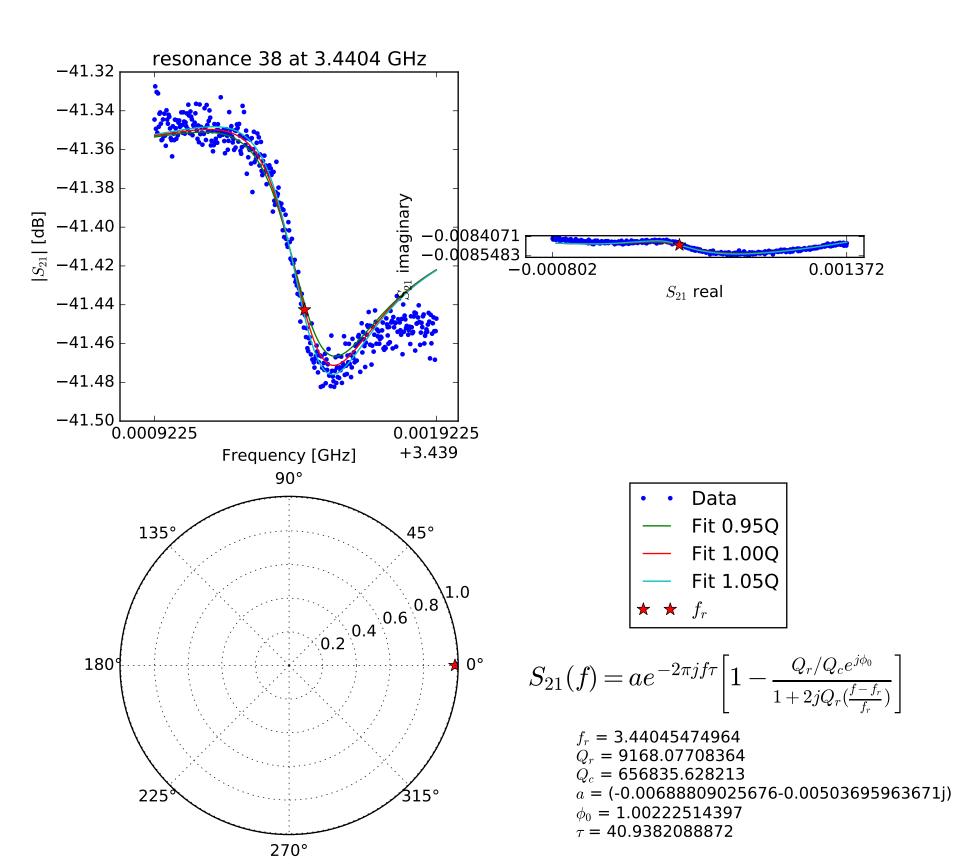


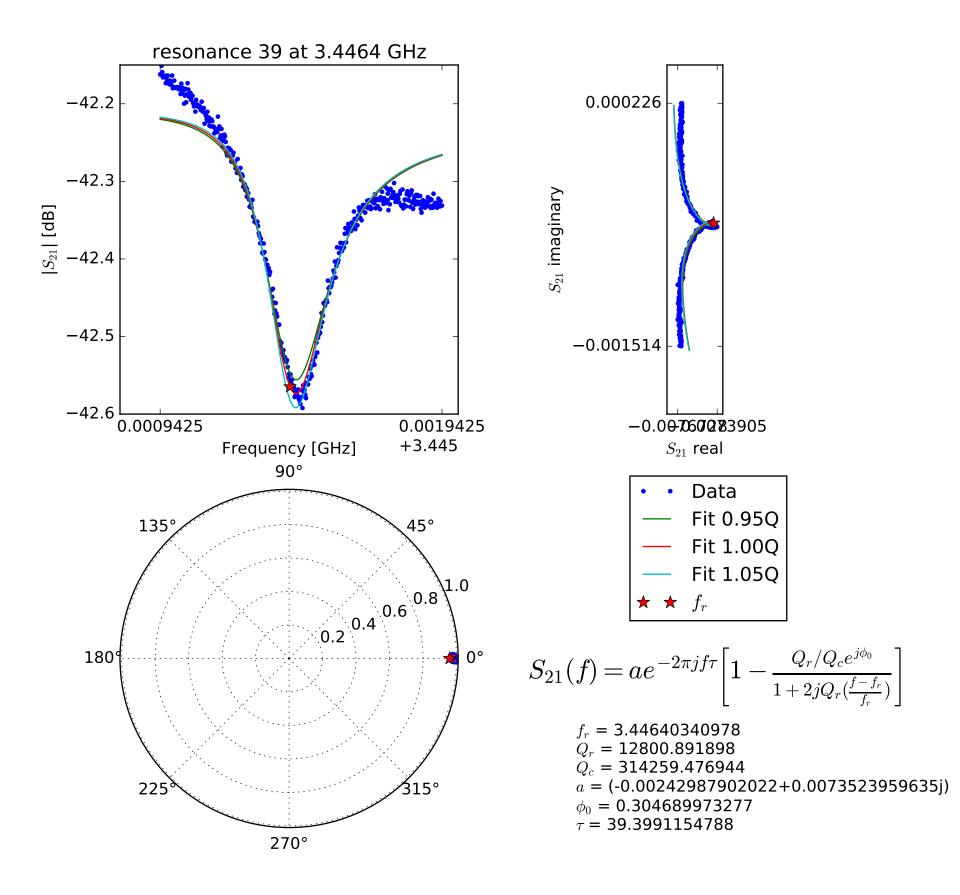


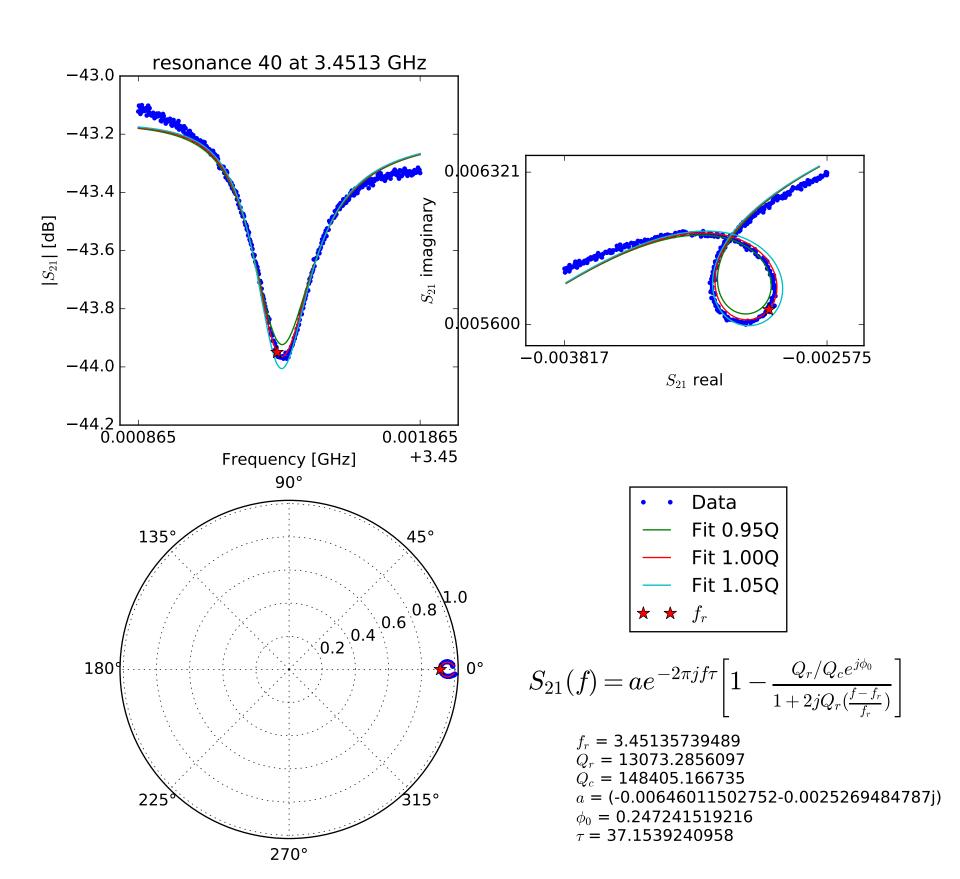


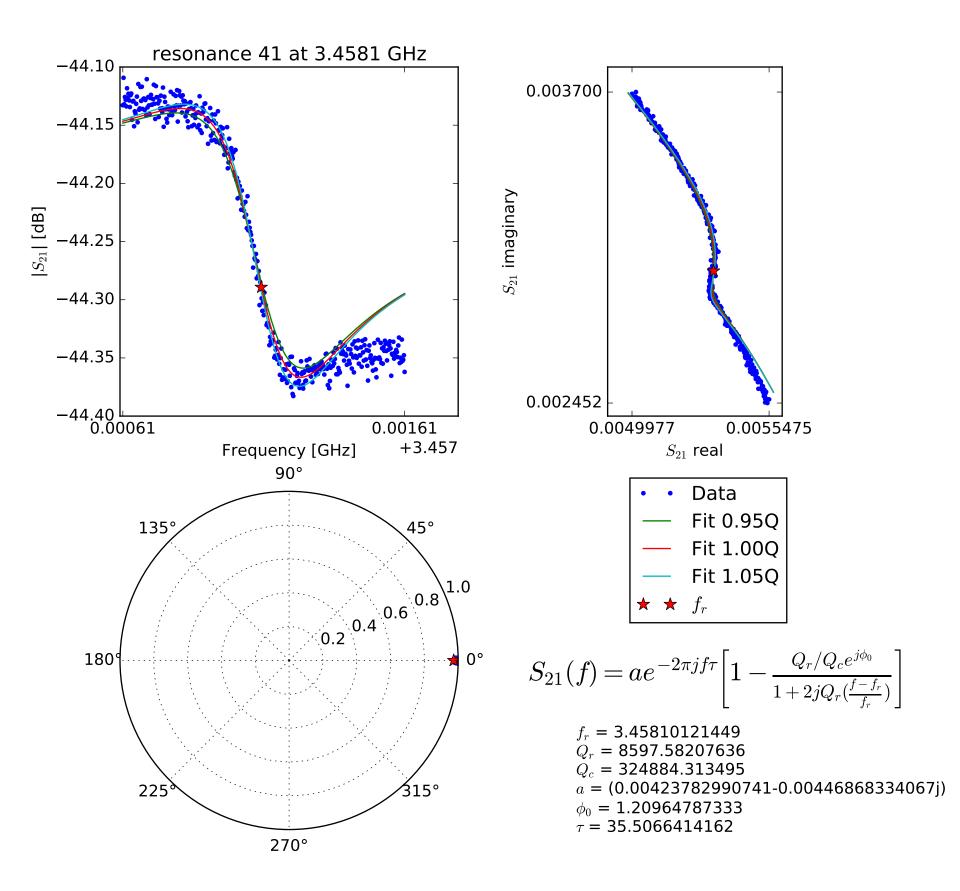


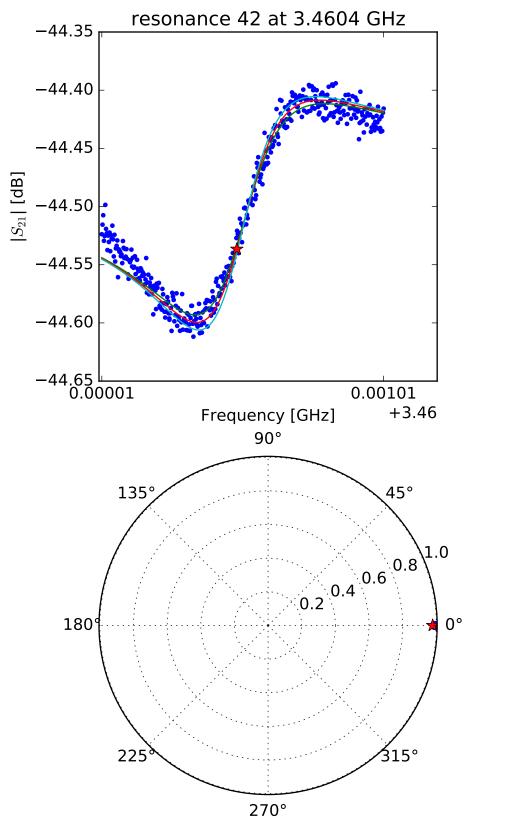


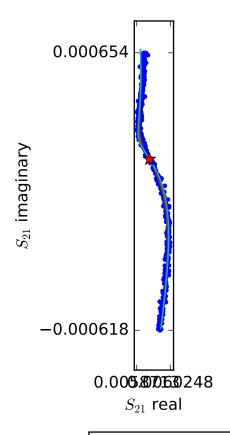


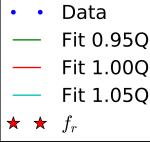












$$S_{21}(f) = ae^{-2\pi j f au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.46048913503$

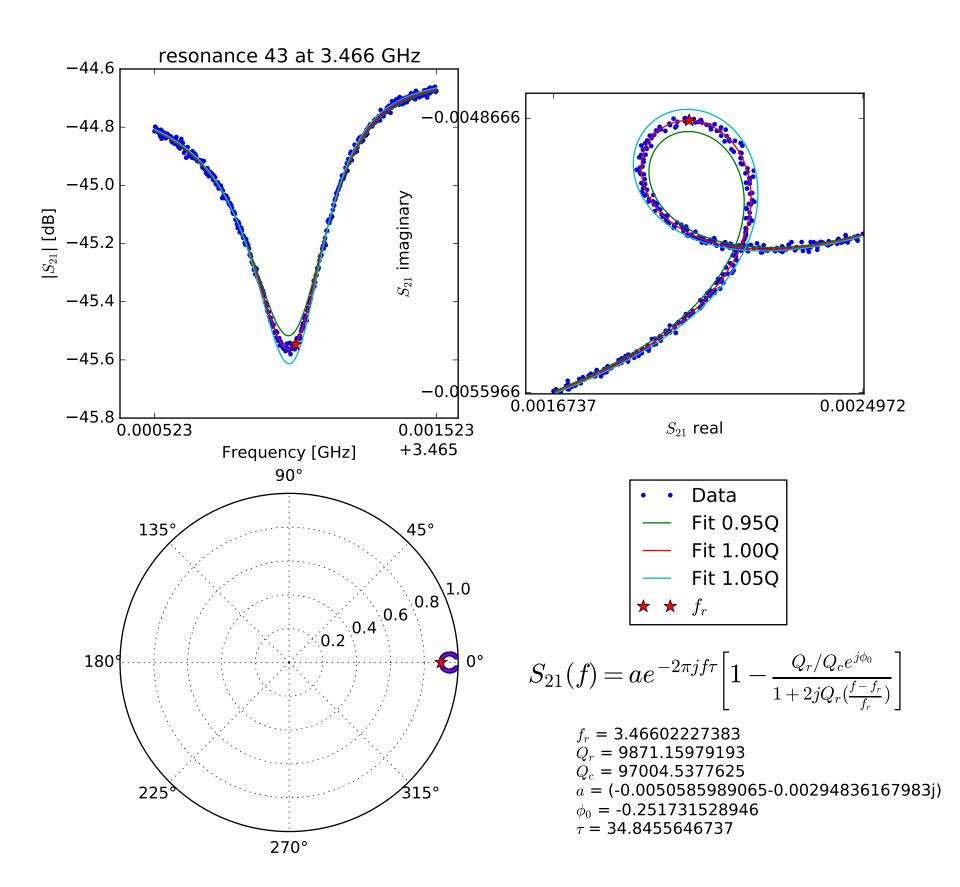
 $Q_r = 8460.36493992$

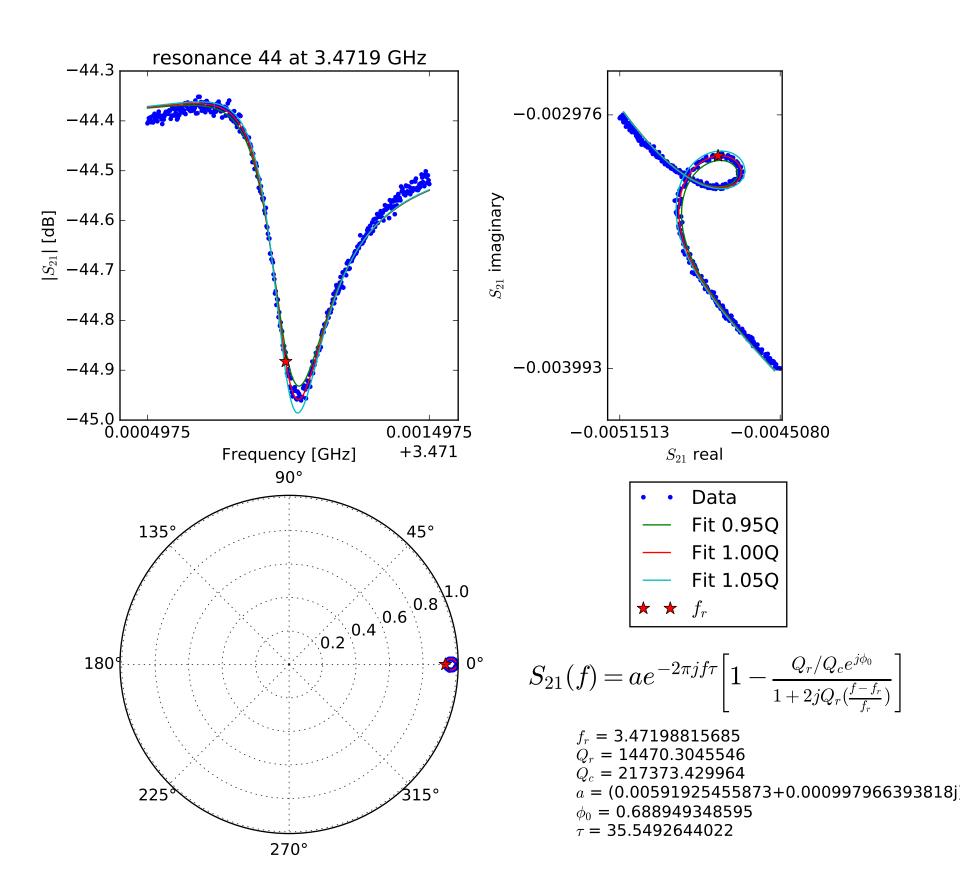
 $Q_c = 386177.636369$

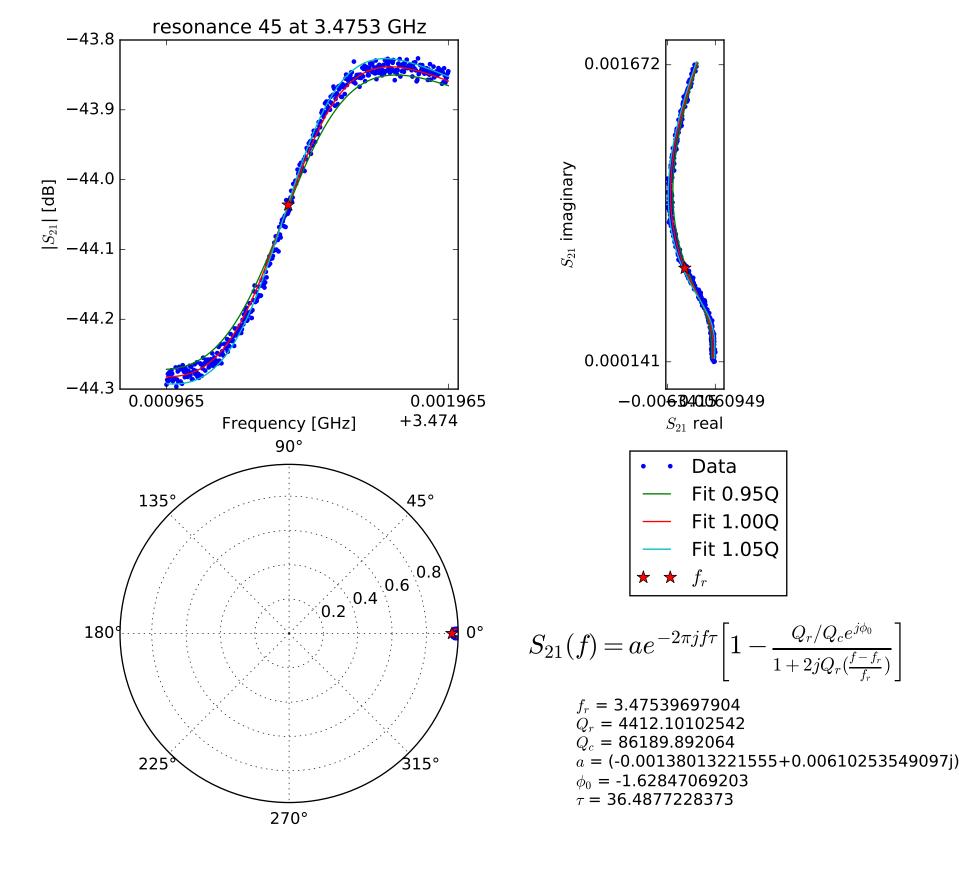
a = (0.00550585474013-0.00232711955148j)

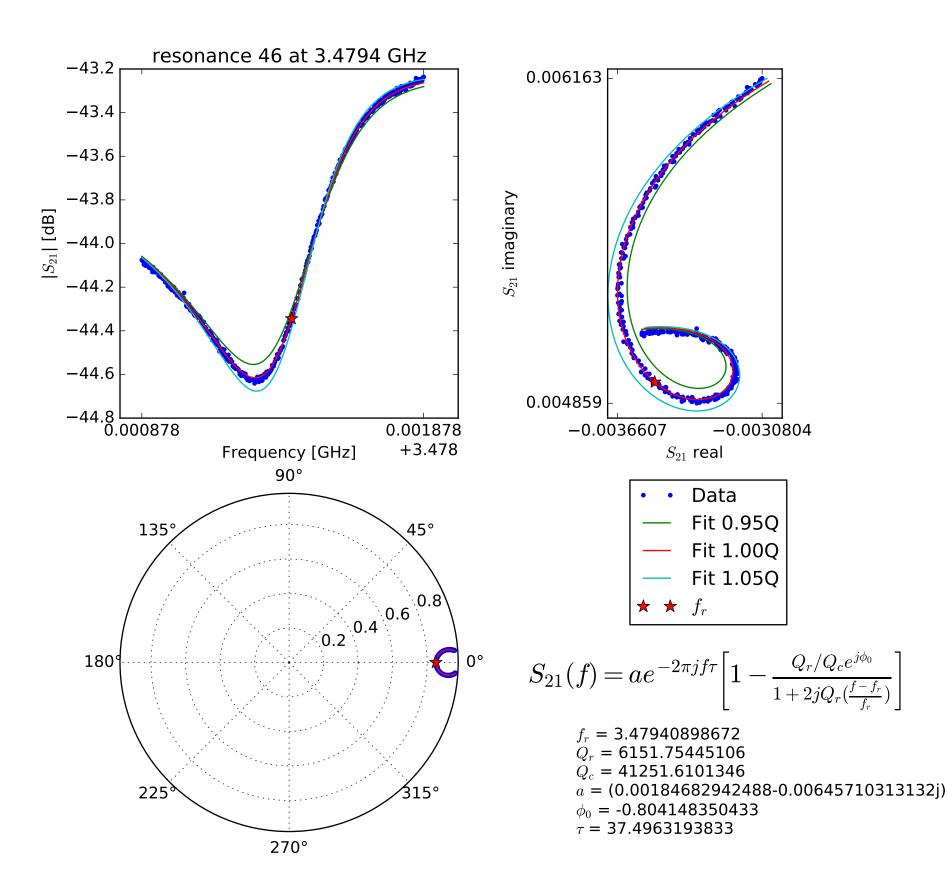
 $\phi_0 = -1.20262062459$

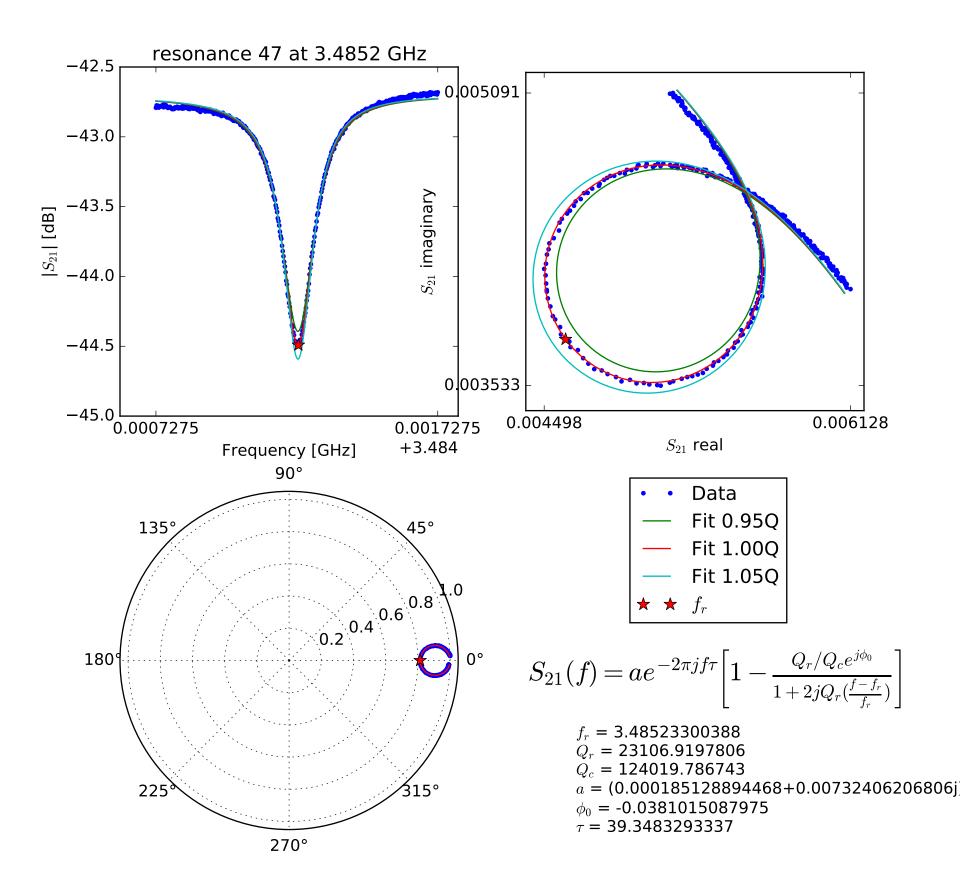
 $\tau = 34.9474177844$

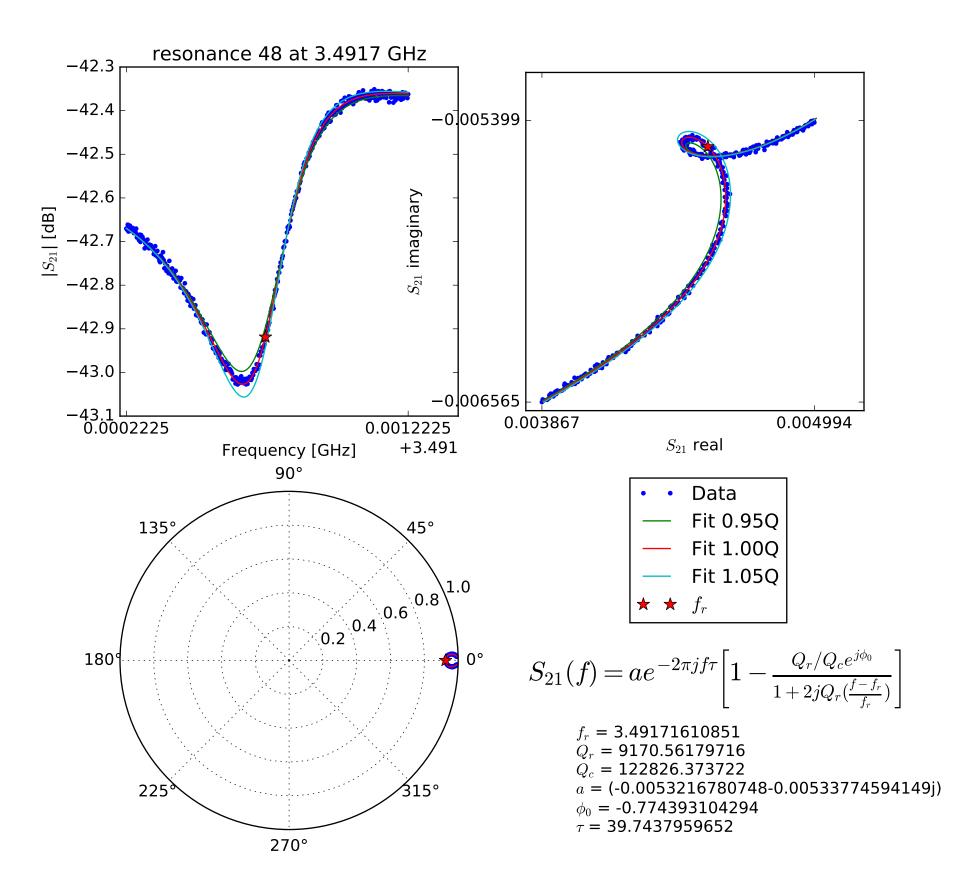


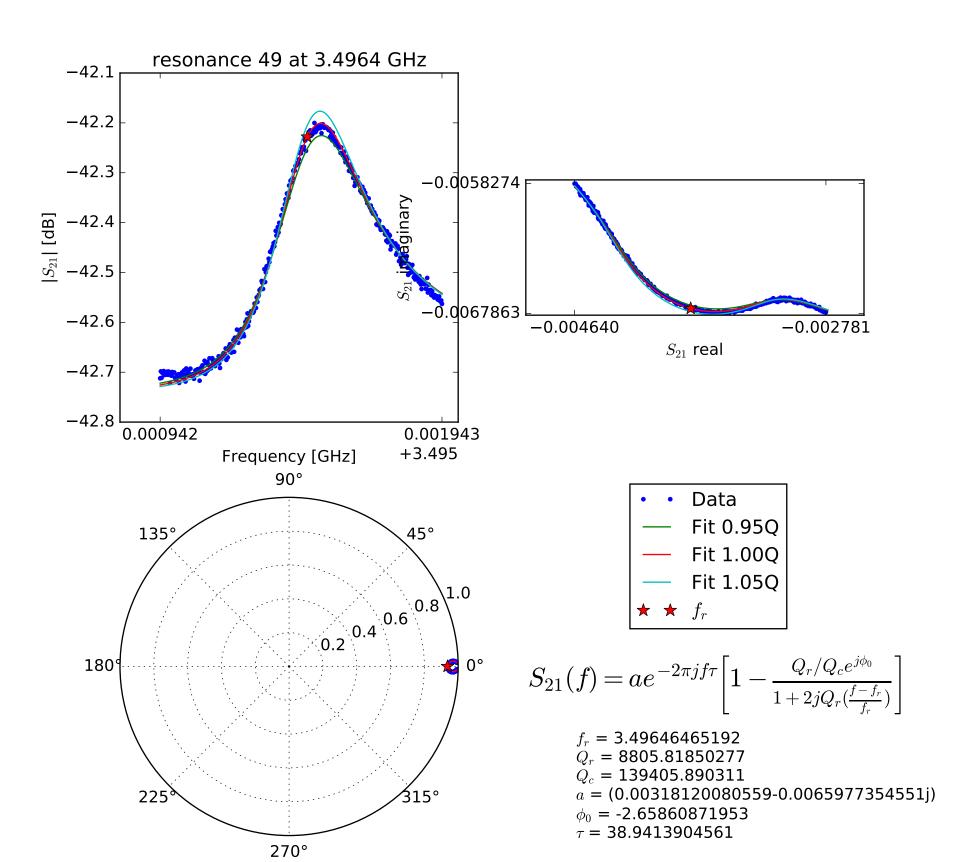


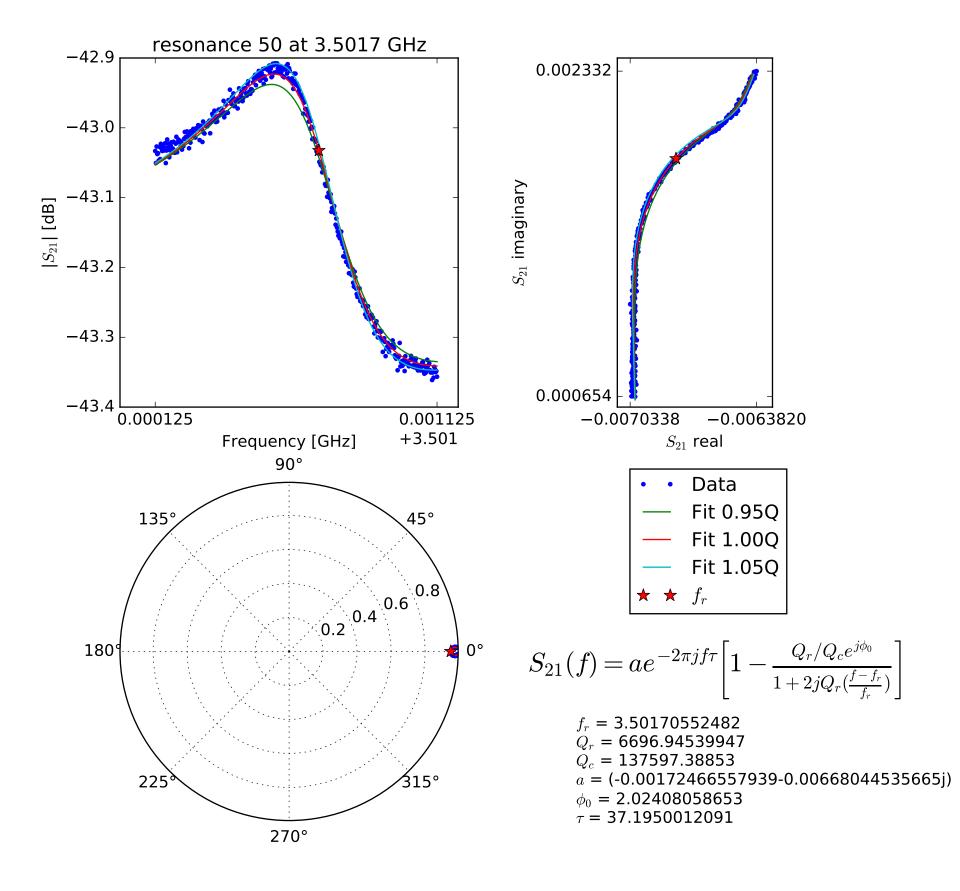


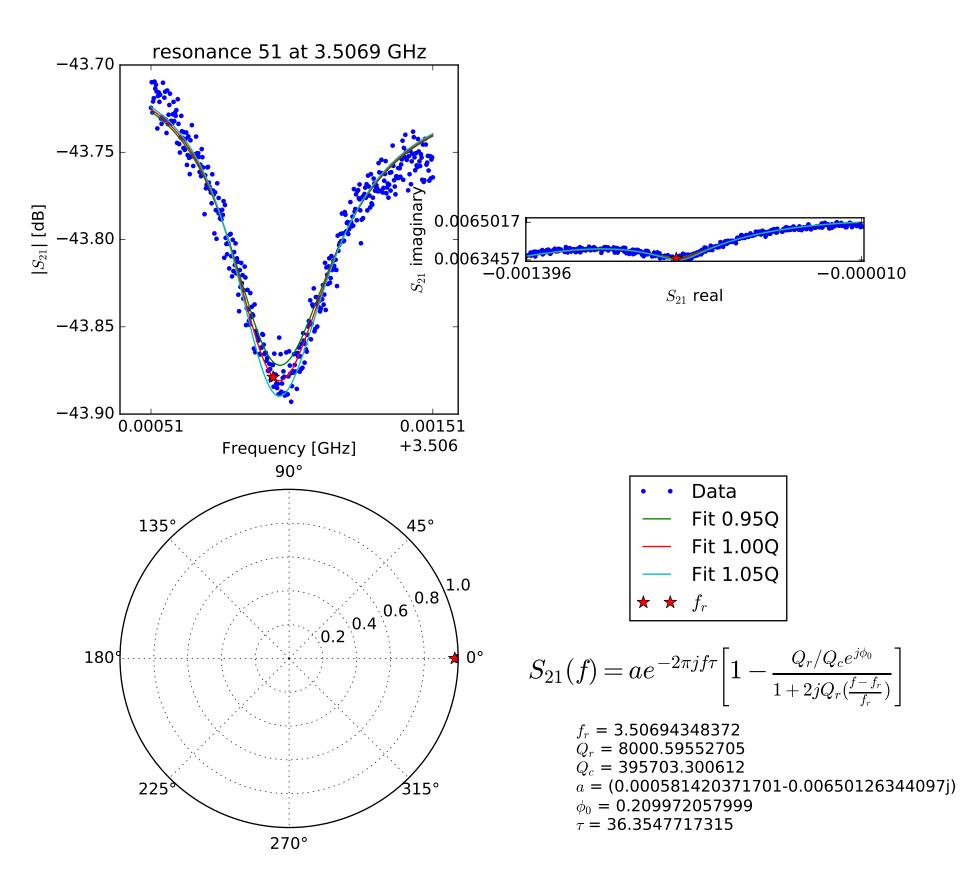


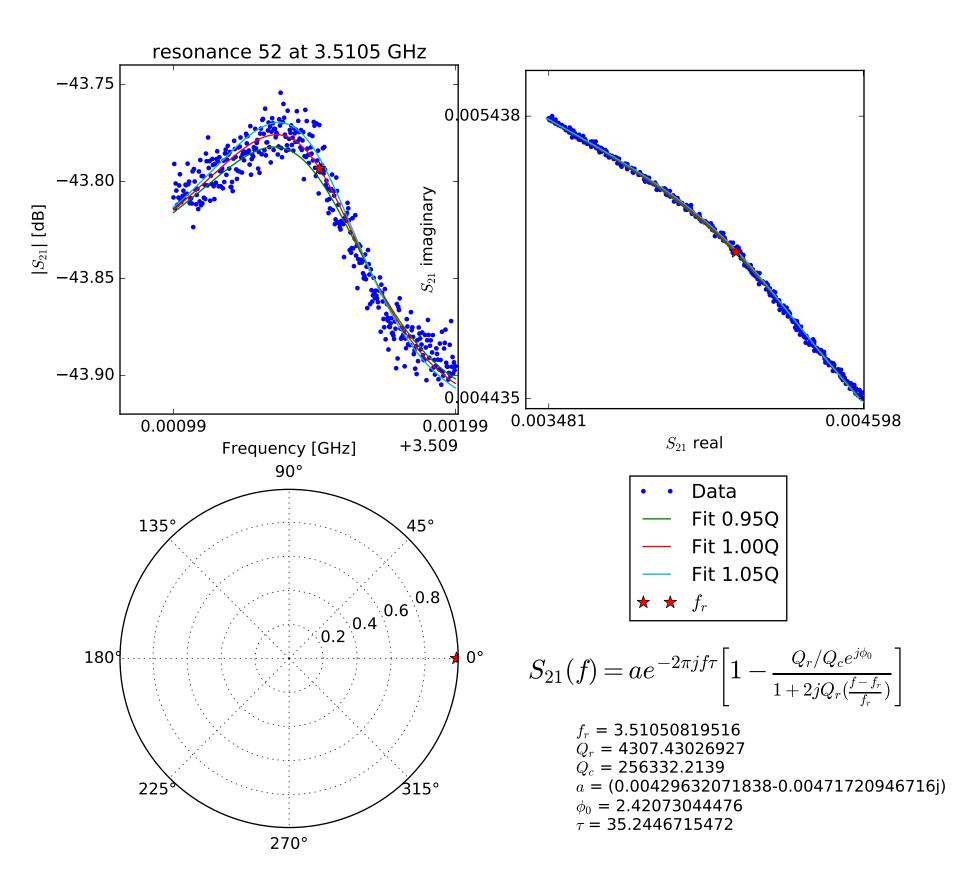


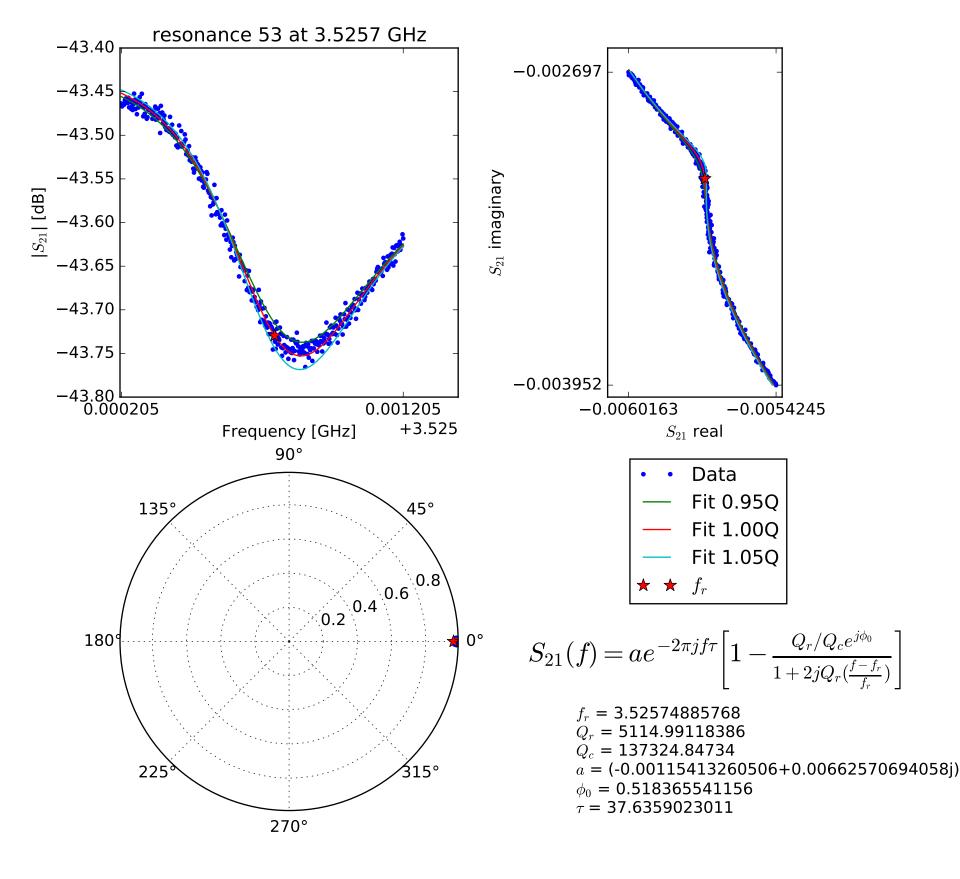


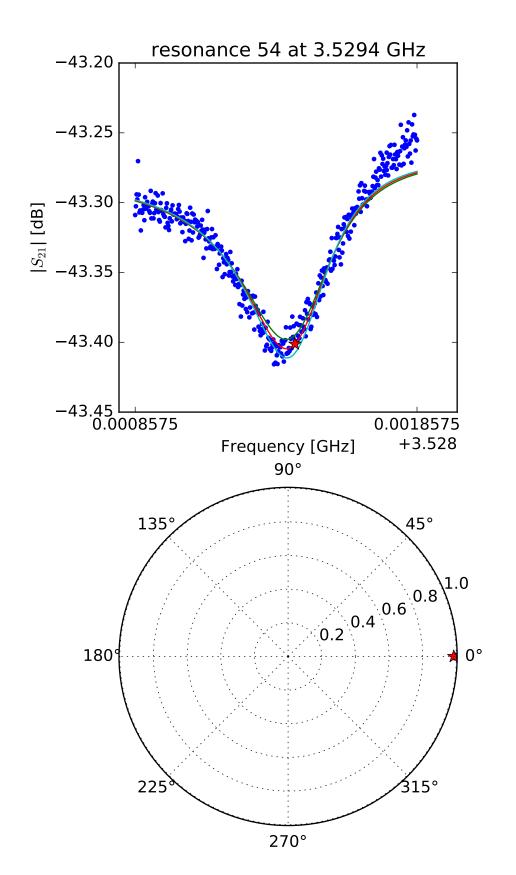


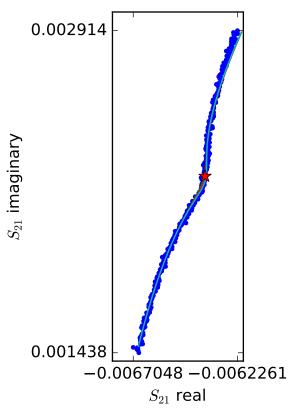


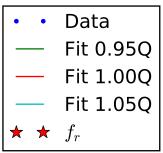












$$S_{21}(f) = ae^{-2\pi jf au} \left[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})}
ight]$$

 $f_r = 3.52942435736$

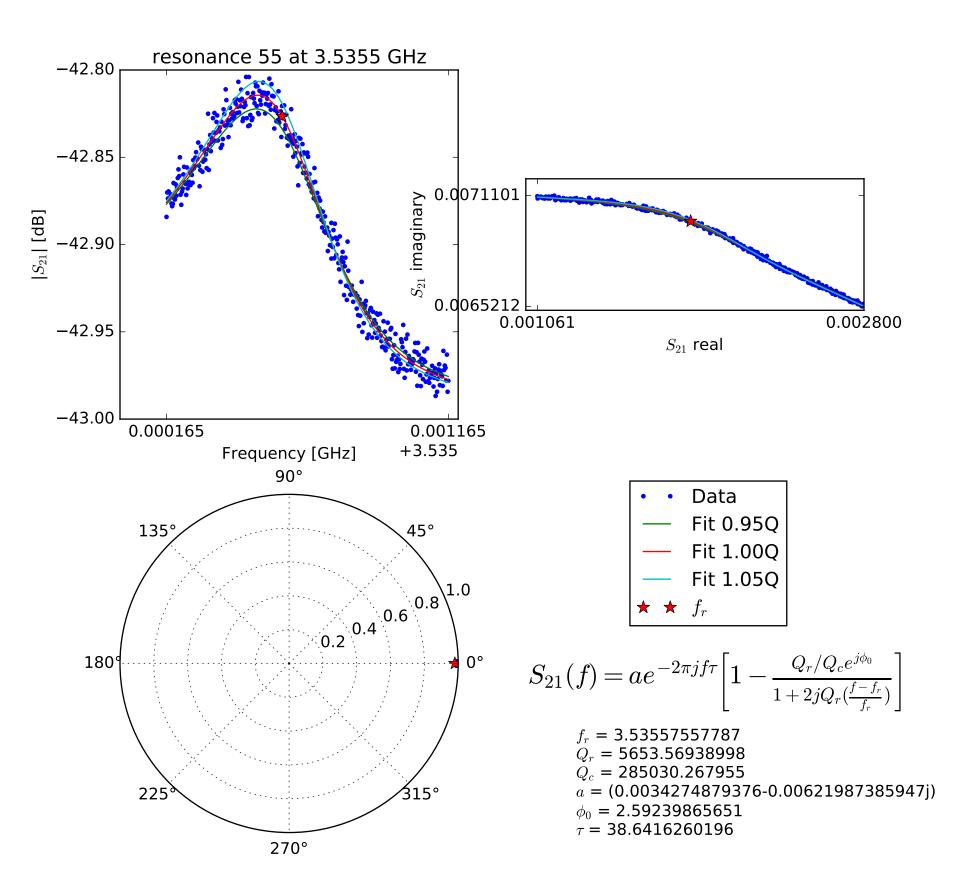
 $Q_r = 9313.23594828$

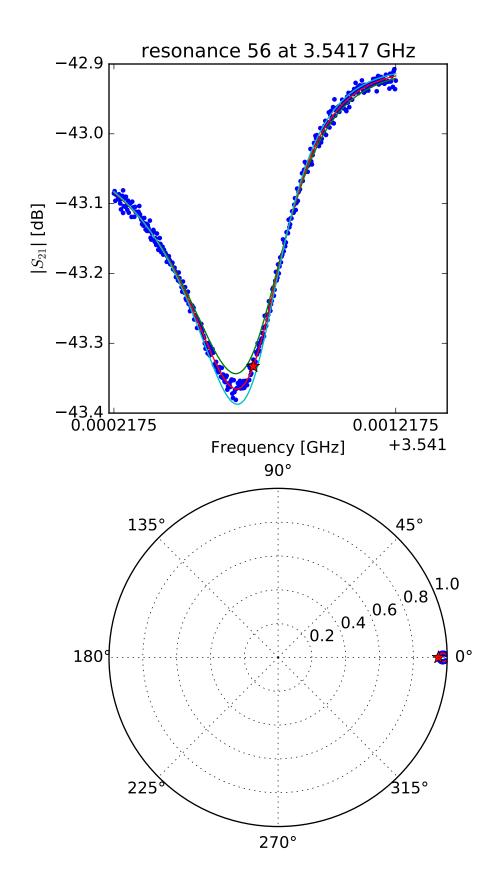
 $Q_c = 605597.0116$

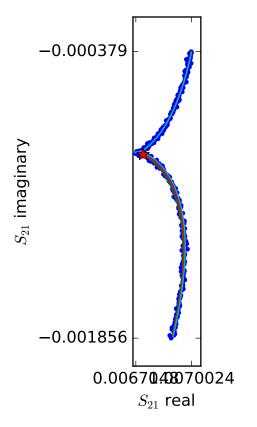
a = (-0.00540120525101 - 0.0042295279149j)

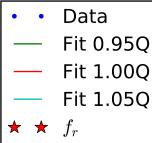
 $\phi_0 = -0.311898351827$

 τ = 36.8786576695









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

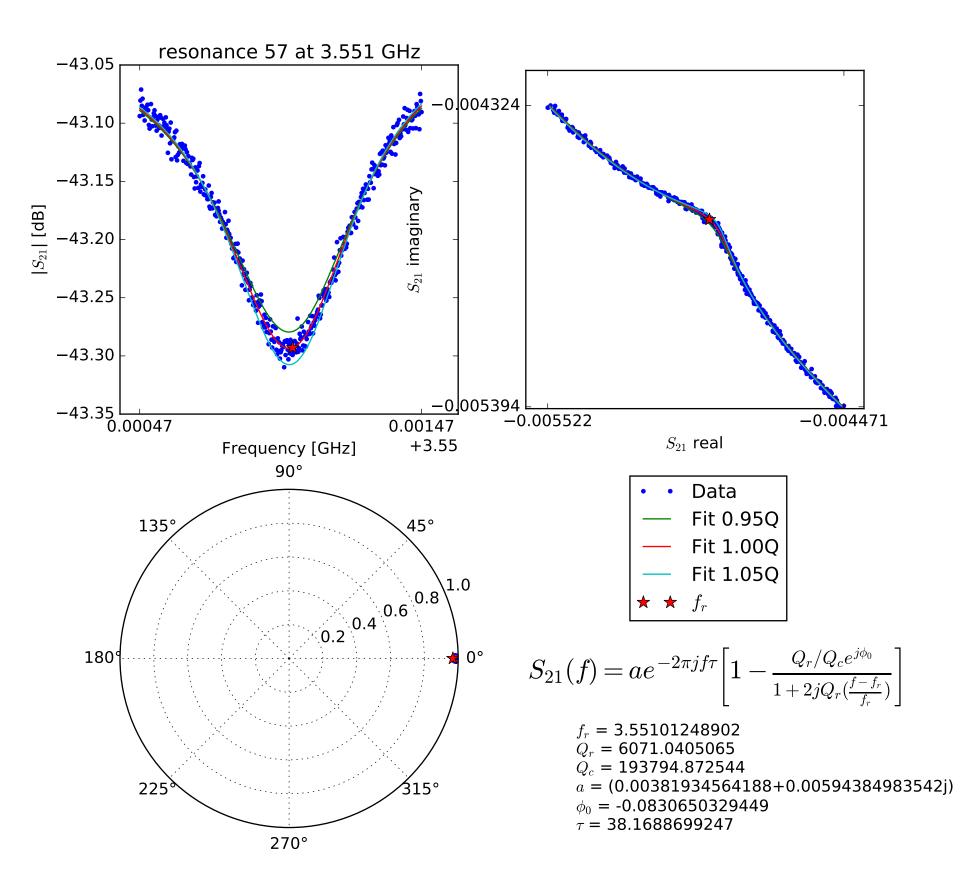
 $f_r = 3.54171209955$ $Q_r = 8034.57183494$

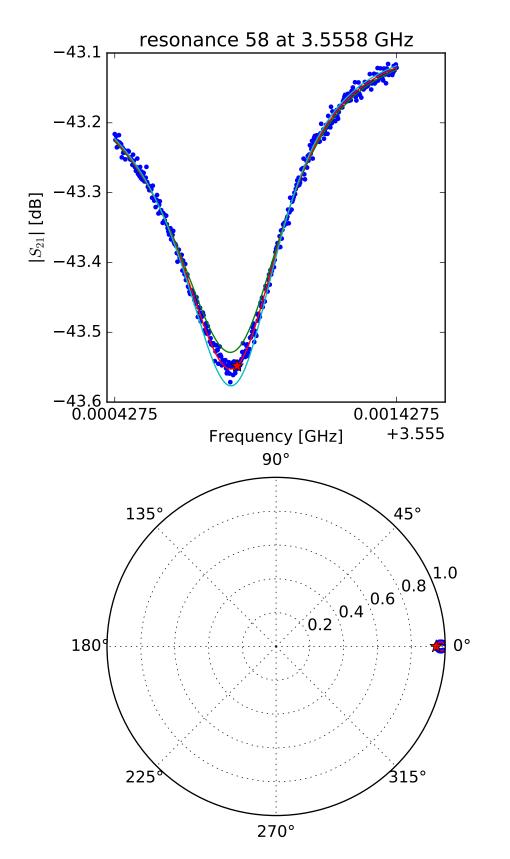
 $Q_c = 155933.458236$

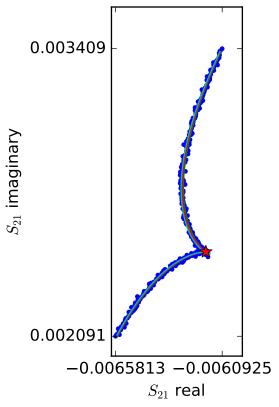
a = (-0.00437385364219 + 0.0056321581067j)

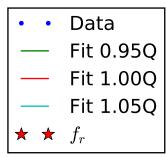
 $\phi_0 = -0.512369323613$

 $\tau = 38.2246196835$









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

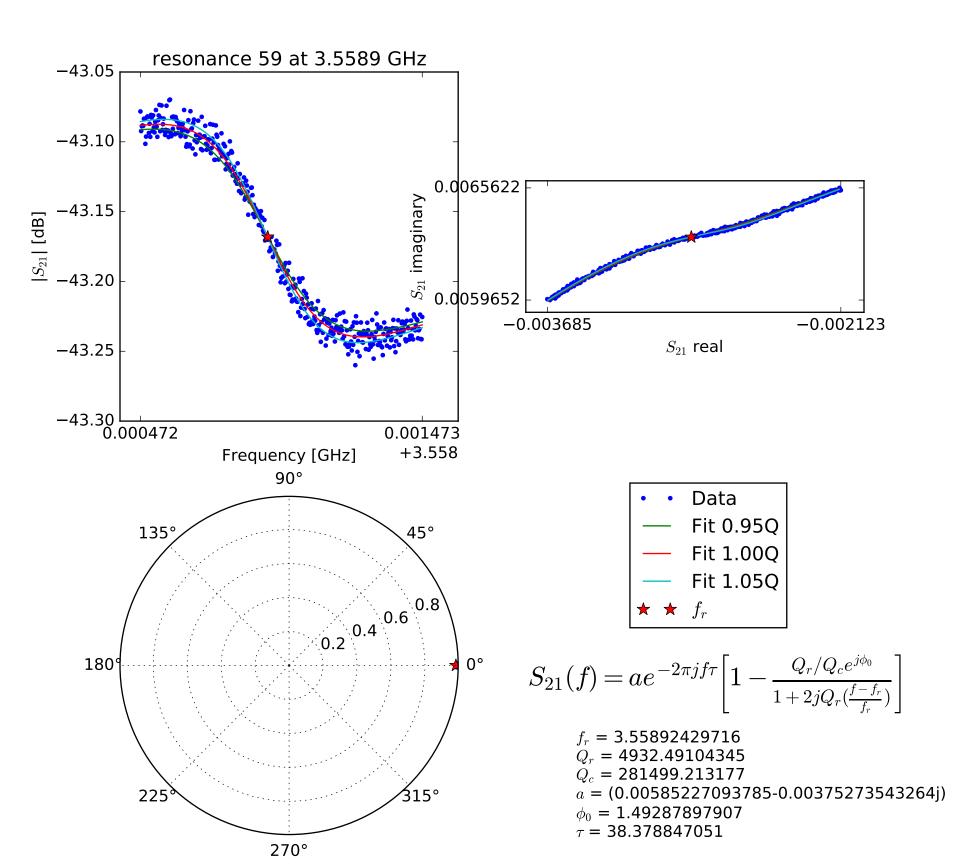
 $f_r = 3.55586151329$ $Q_r = 7485.65721031$

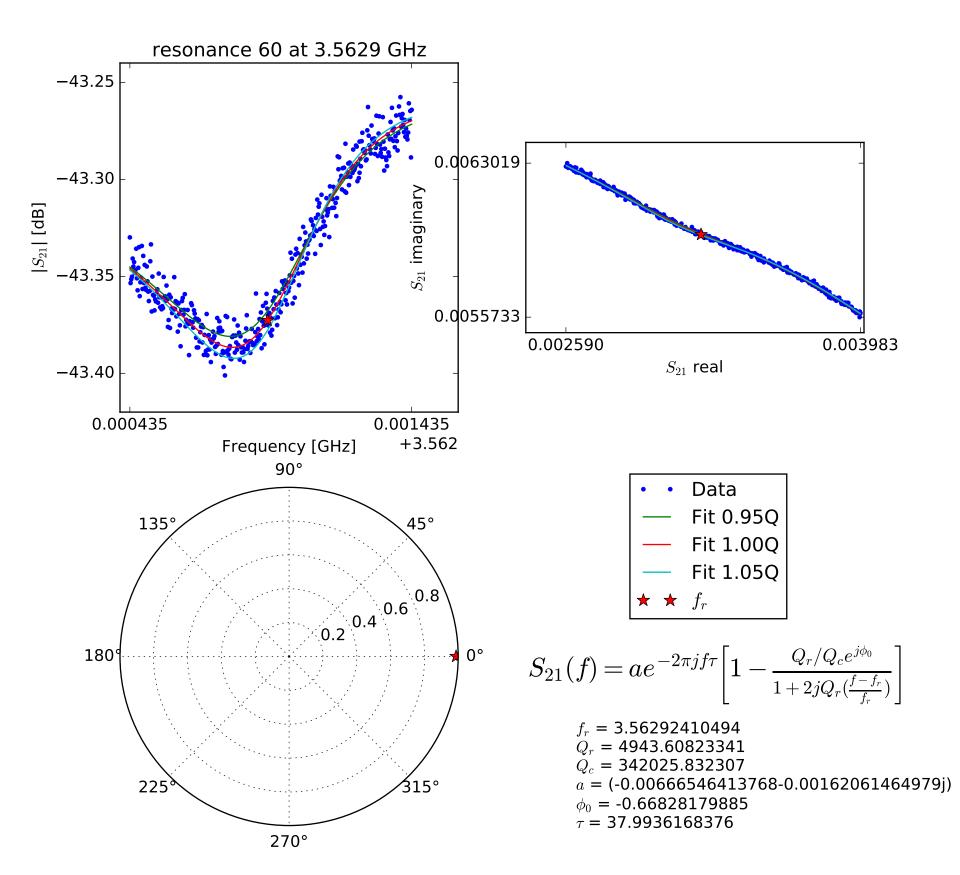
 $Q_c = 141667.494753$

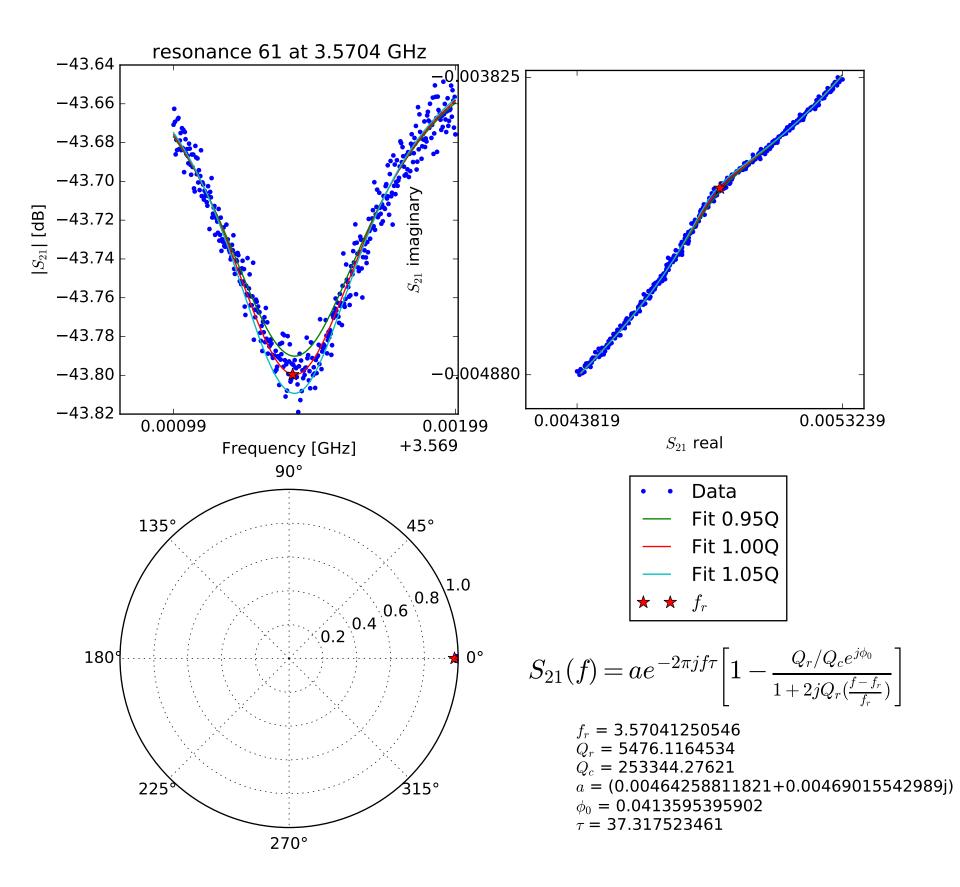
a = (0.00621193338637 + 0.00324857094229j)

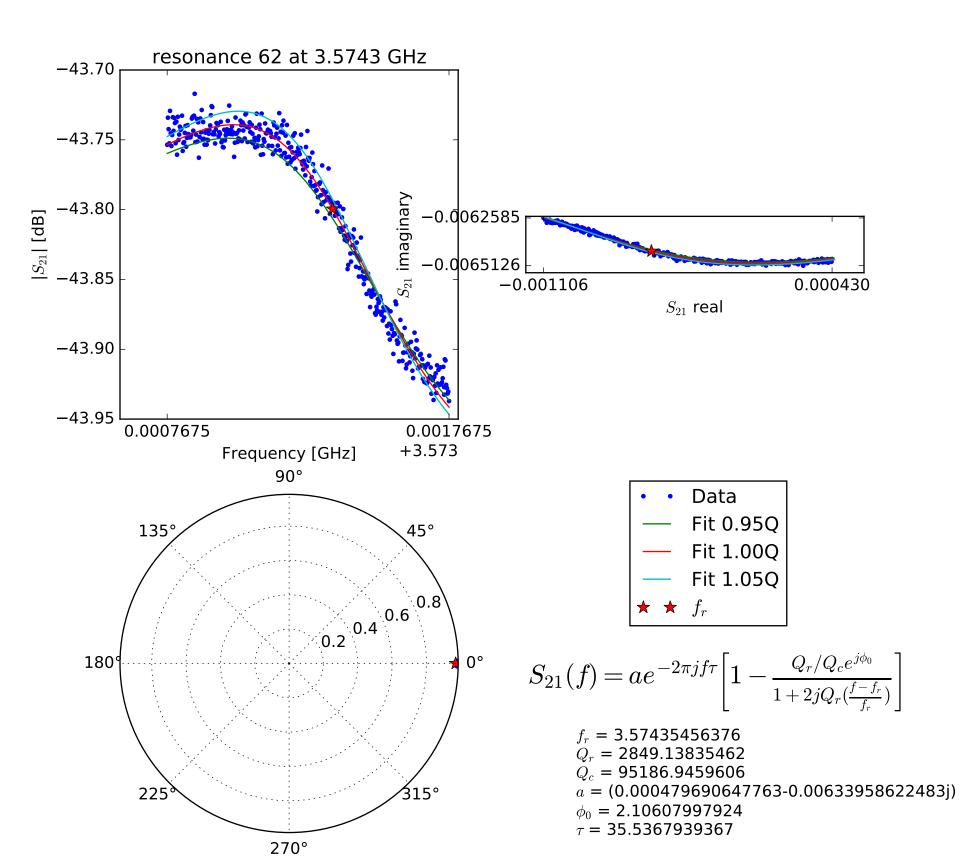
 $\phi_0 = -0.186733767355$

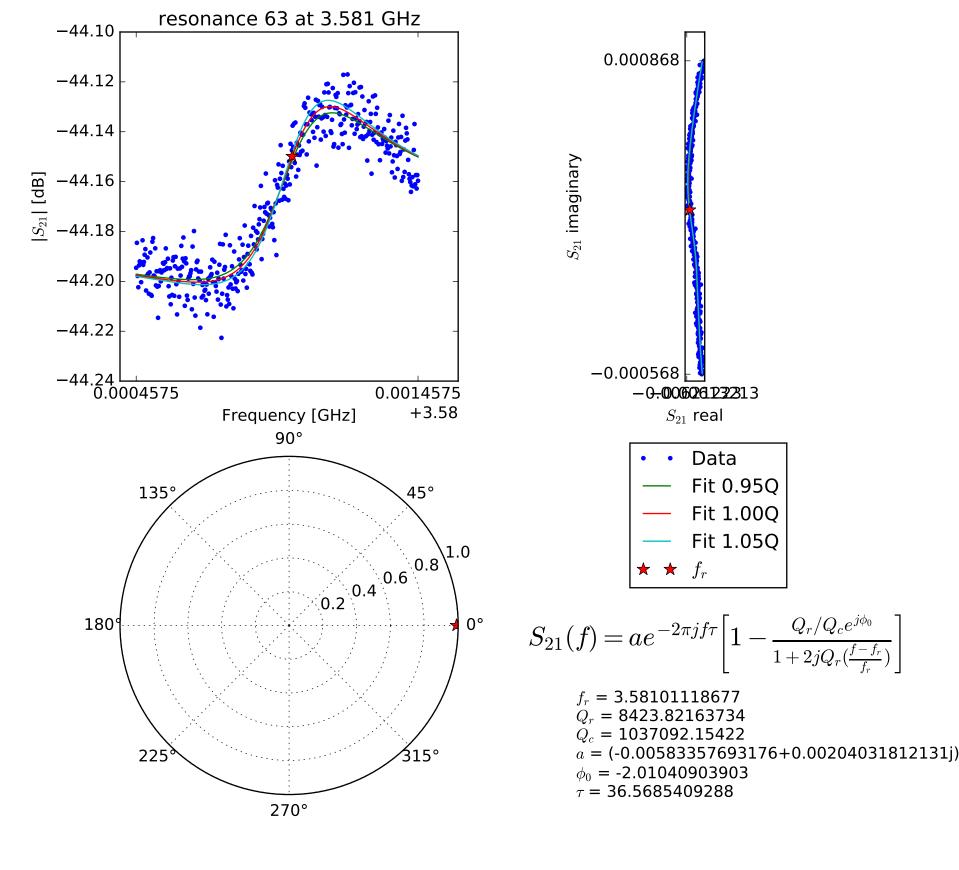
 τ = 38.1452251308

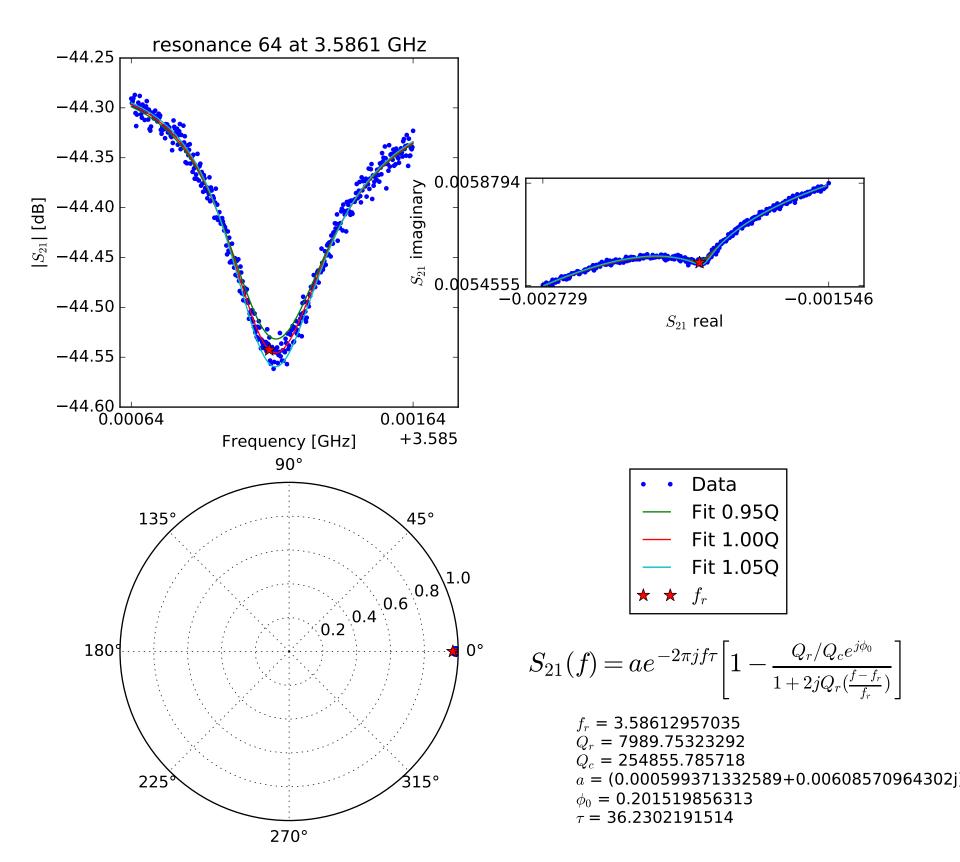


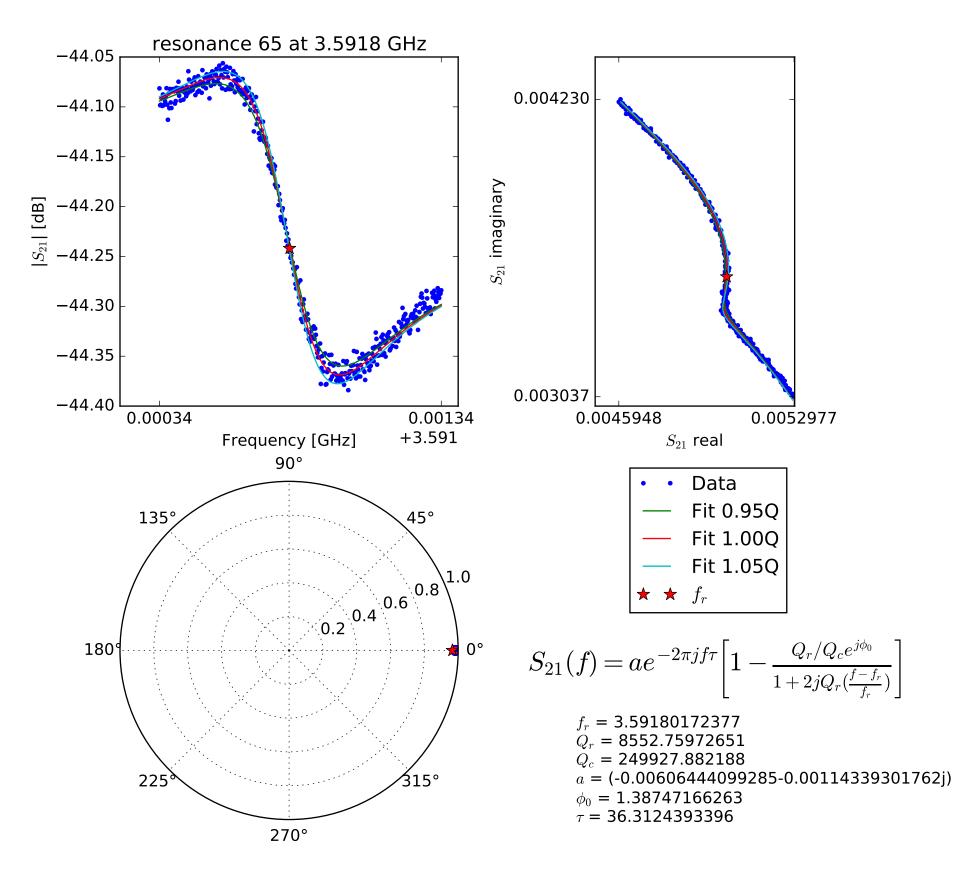


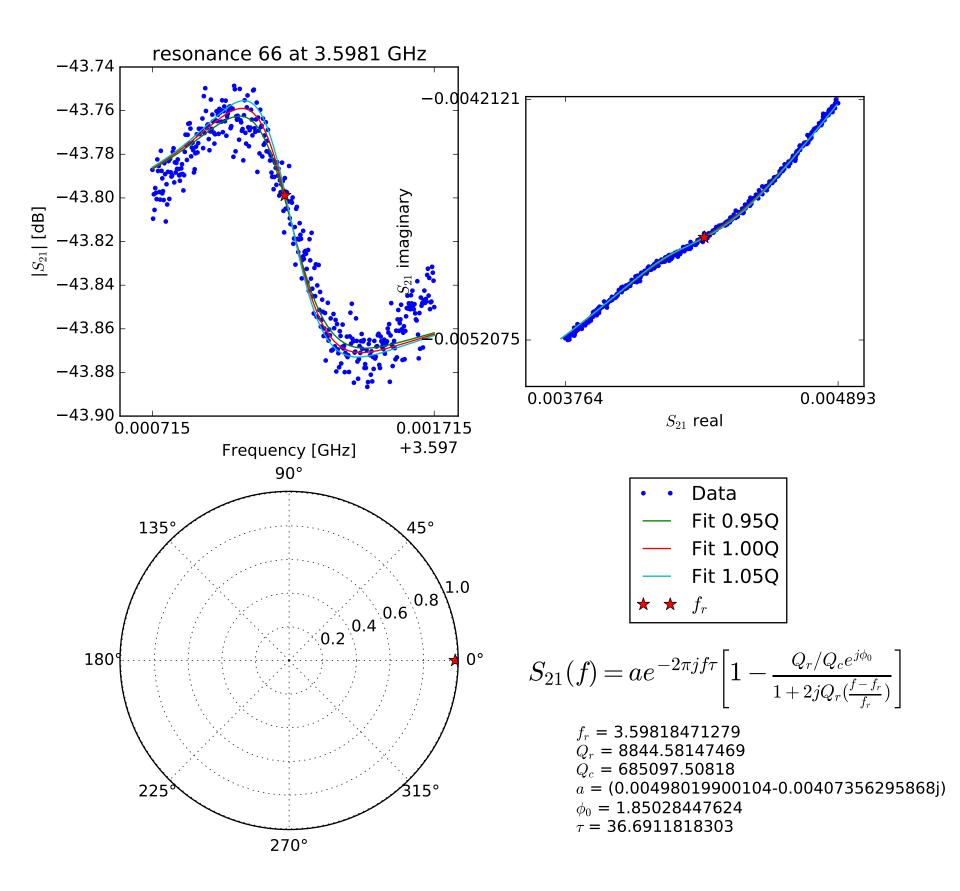


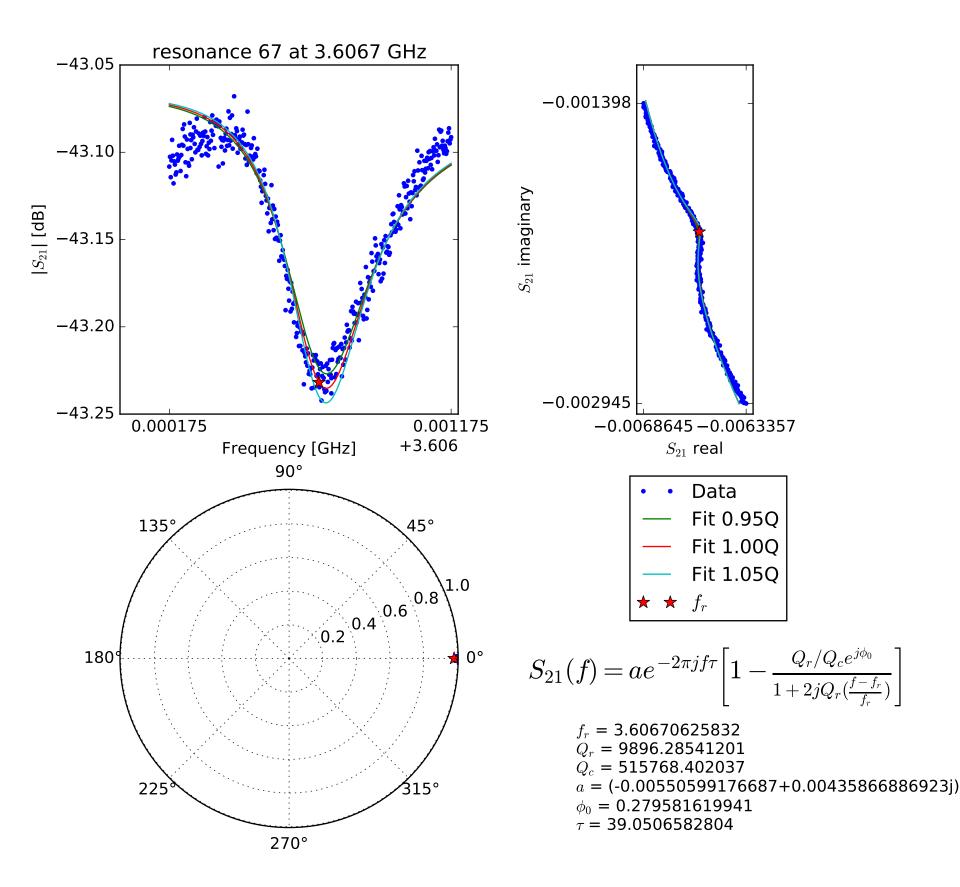


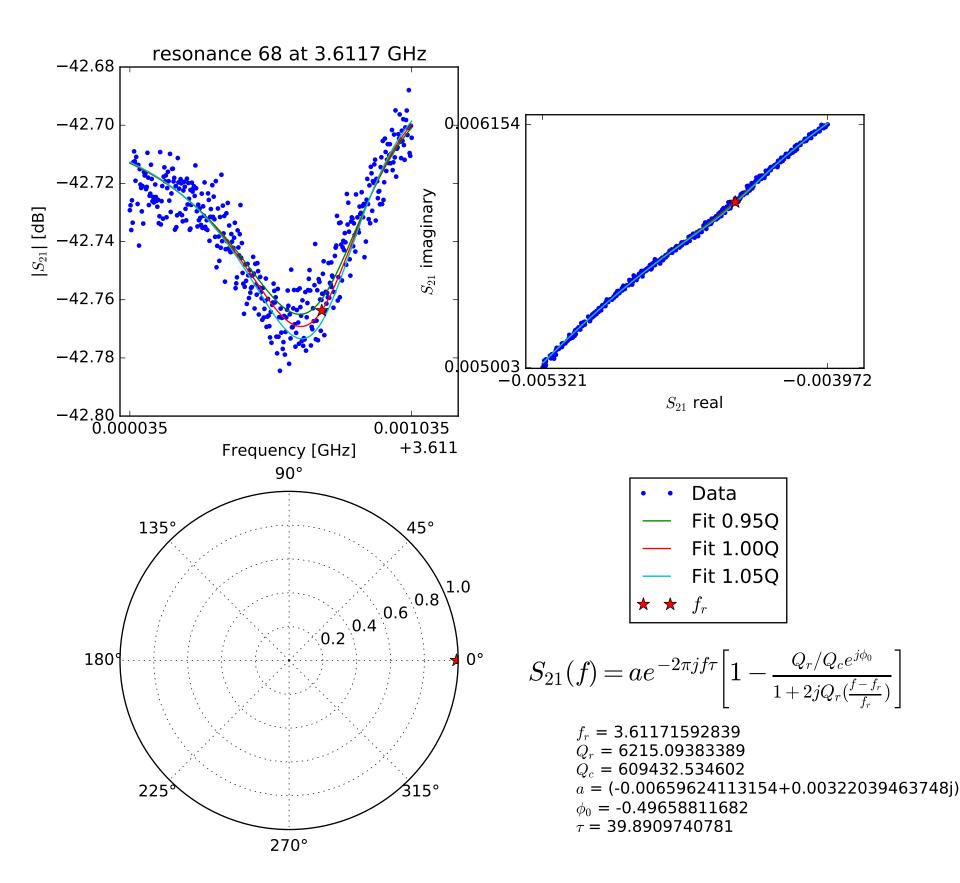


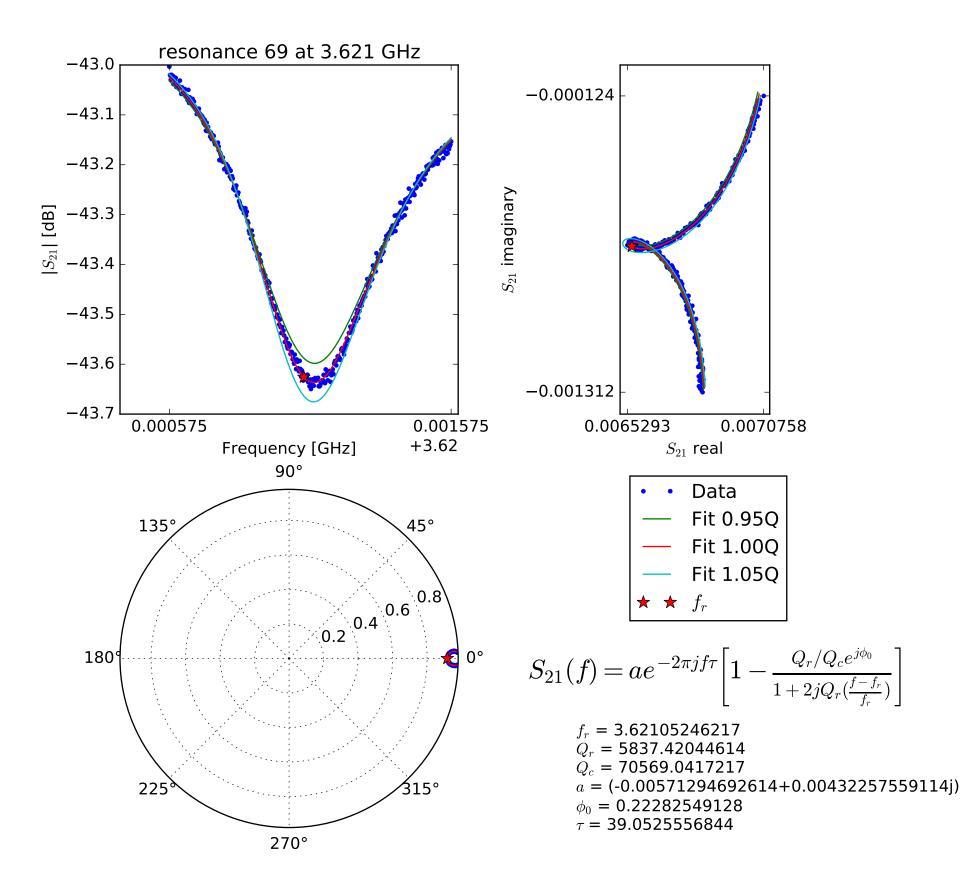


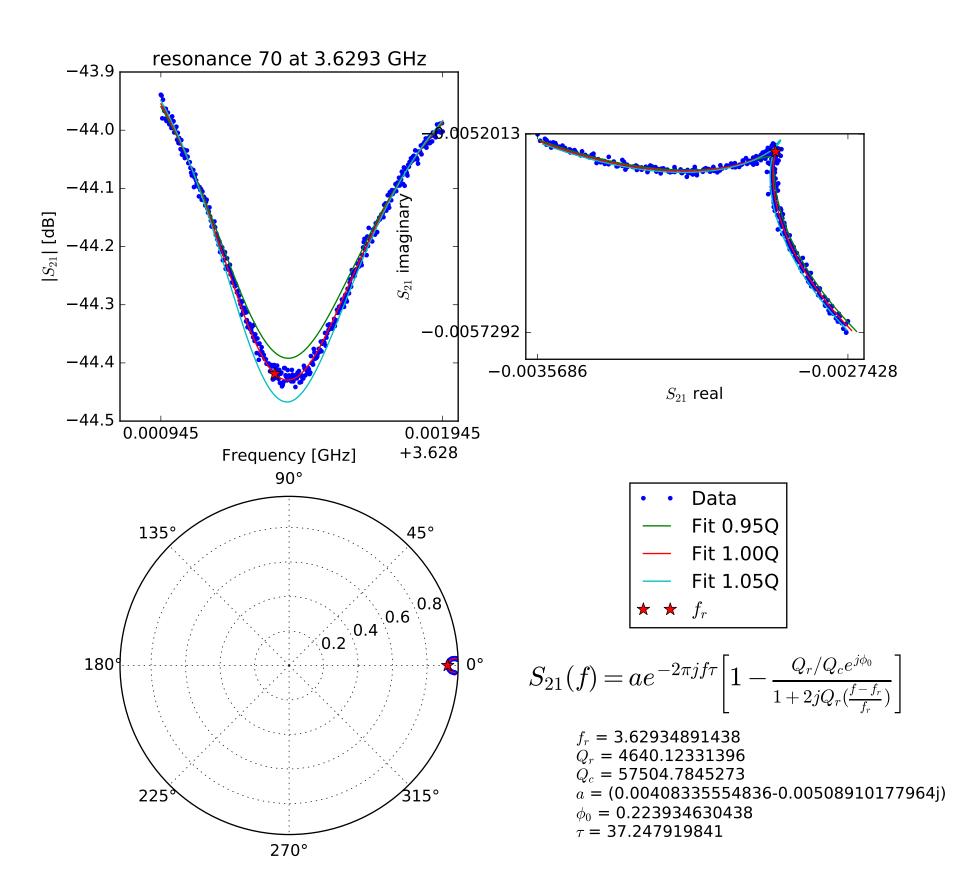


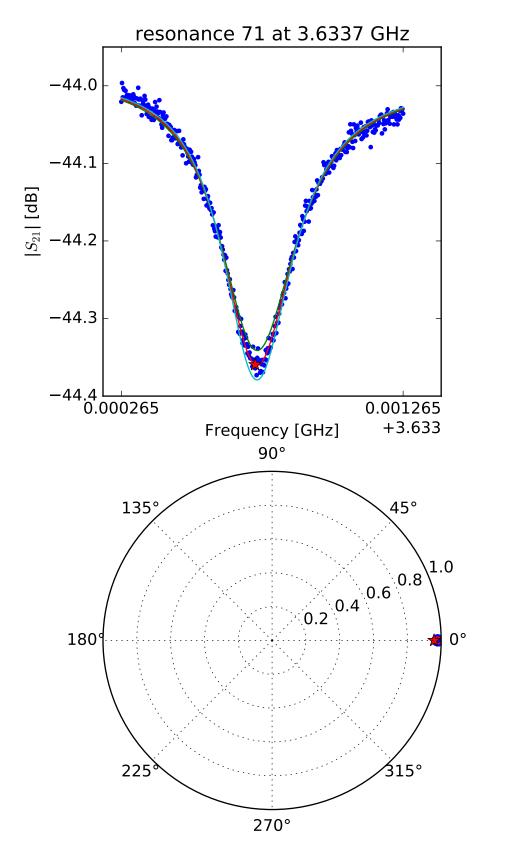


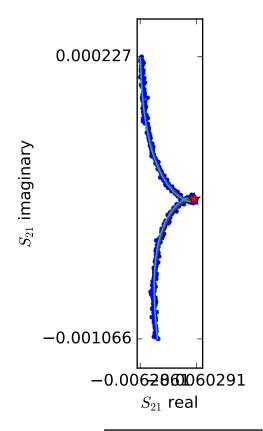


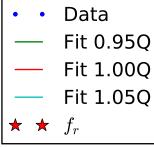












$$S_{21}(f) = ae^{-2\pi j f au} igg[1 - rac{Q_r/Q_c e^{j\phi_0}}{1 + 2jQ_r(rac{f - f_r}{f_r})} igg]$$

 $f_r = 3.63373981104$

 $Q_r = 11242.5609341$

 $Q_c = 268576.135799$

a = (-0.0053572232274 - 0.00334771552681j)

 $\phi_0 = 0.0858826041257$

 τ = 36.6226290156

