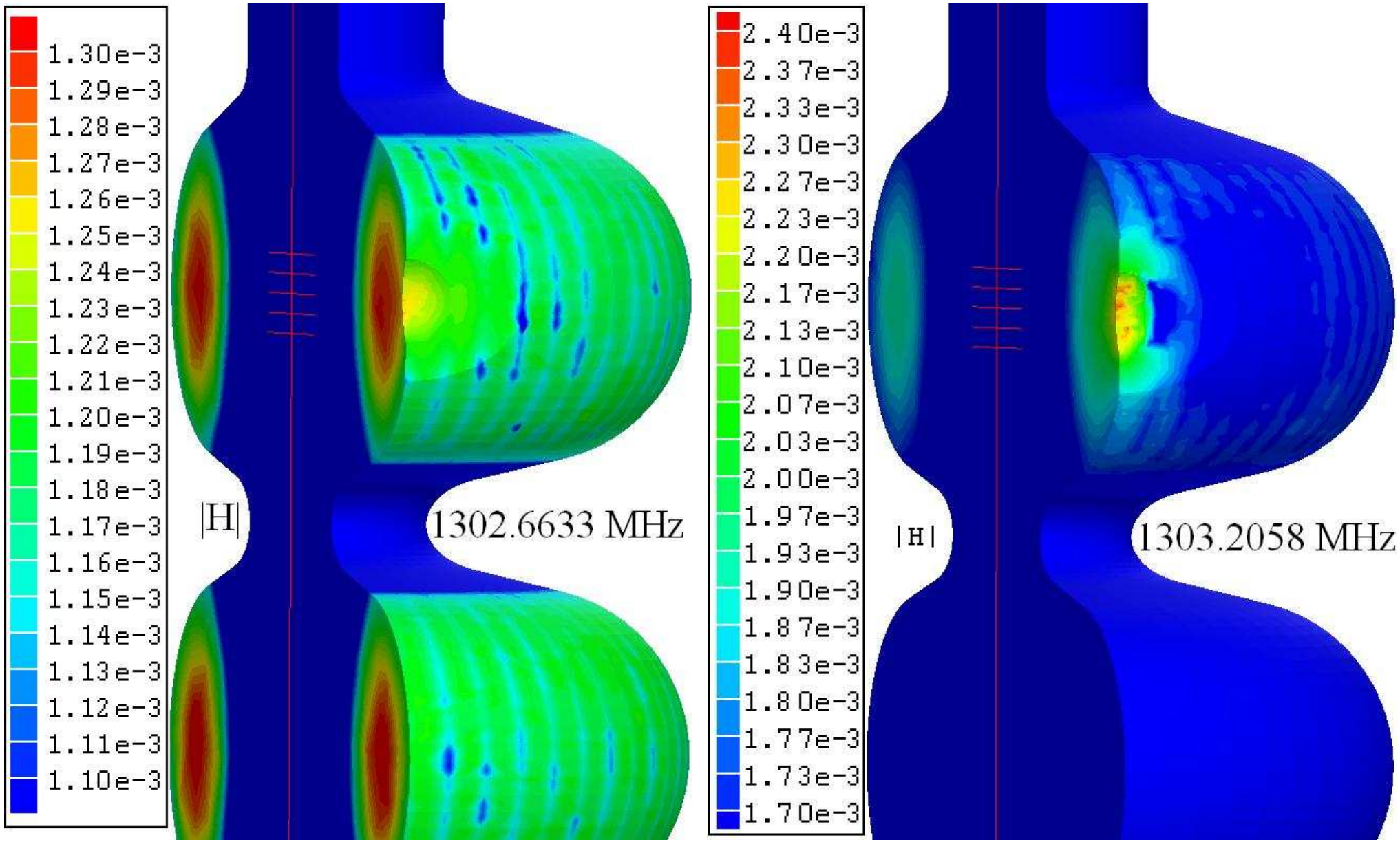
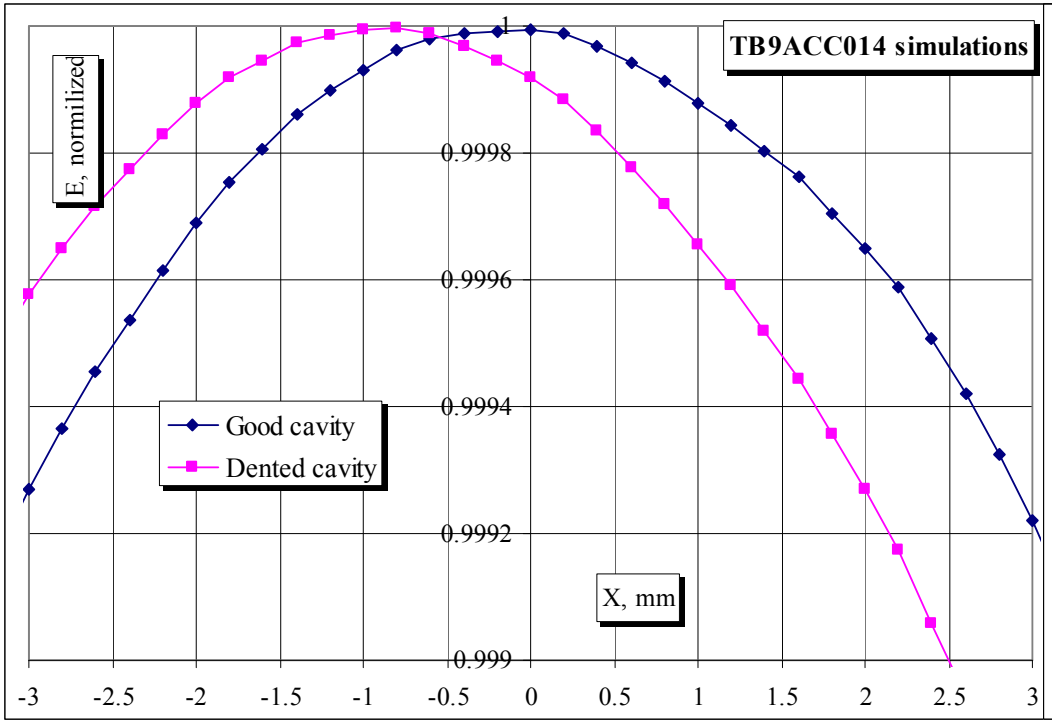
Surface magnetic field before and after denting, HFSS simulations.

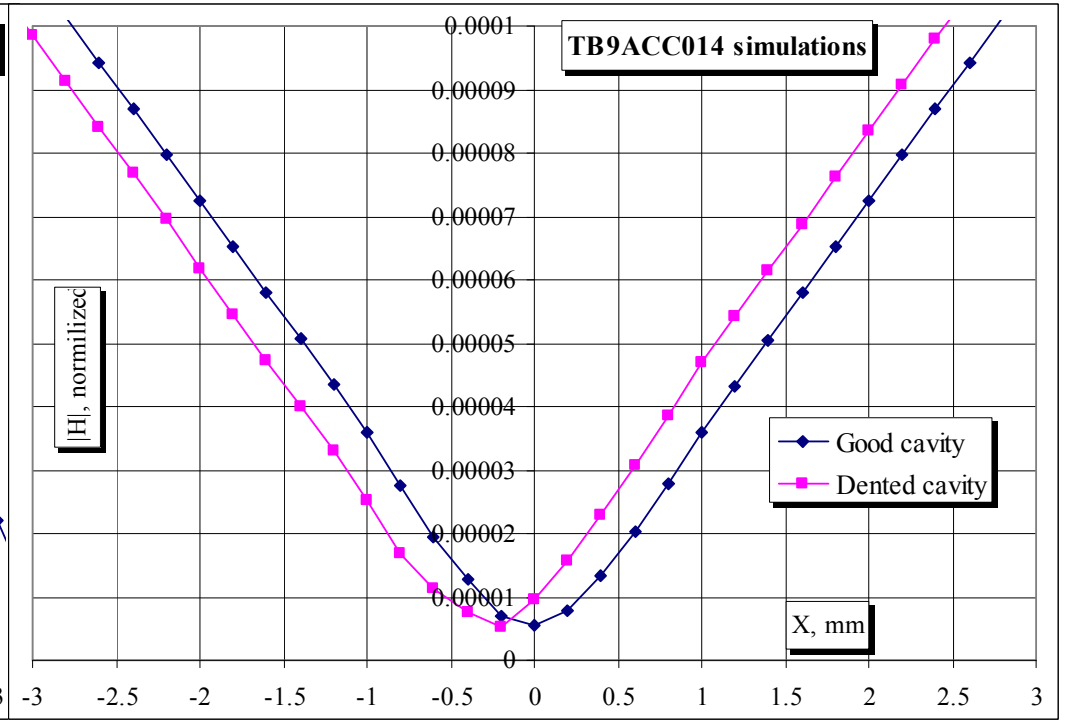


Dent size: 5.3 mm flat cut and additional 3 mm dent depth. Frequency shifted by +544 kHz. Surface magnetic enhancement factor 1.35. To compencate tis field in cell #9 should be 74% from regular cell.

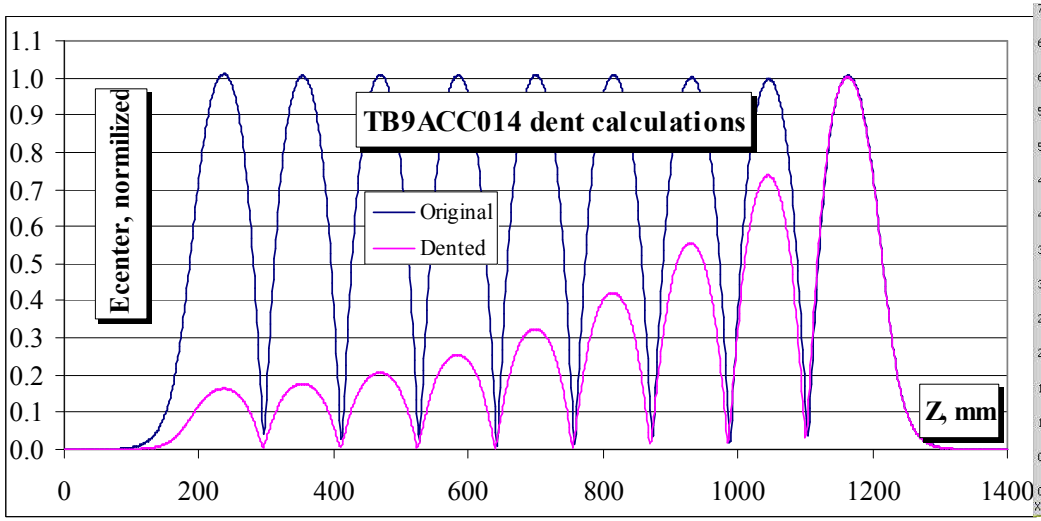
Fields intensity bear cell #9 center before and after denting, HFSS simulations.



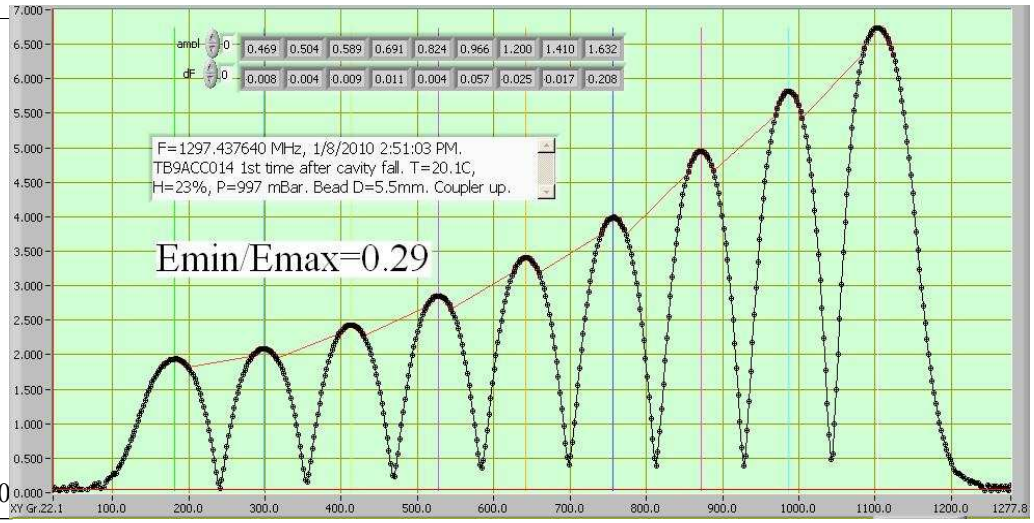
Maximum of electric field shifted by -0.8 mm, away from the dent.



Minimum of magnetic field shifted by -0.3 mm, away from the dent.

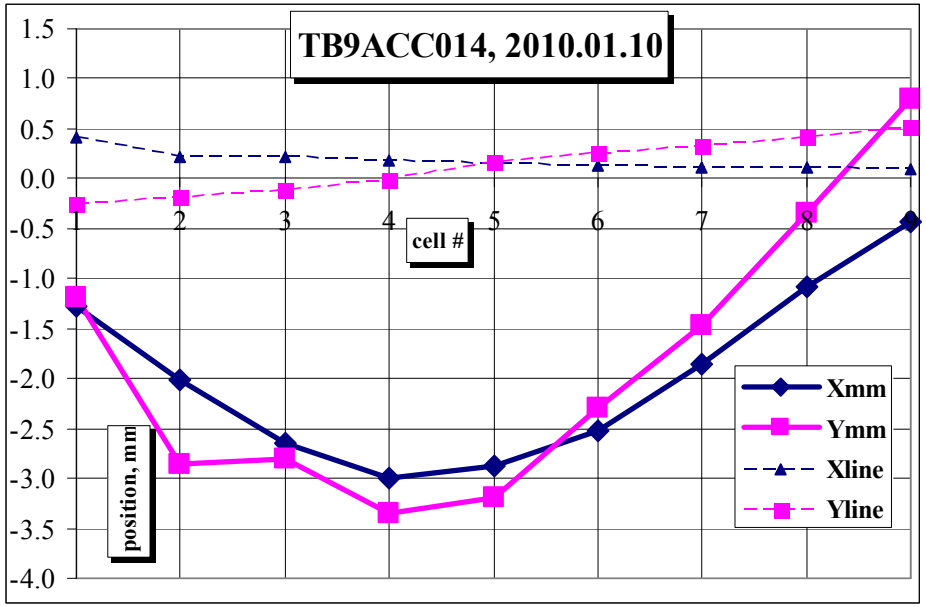


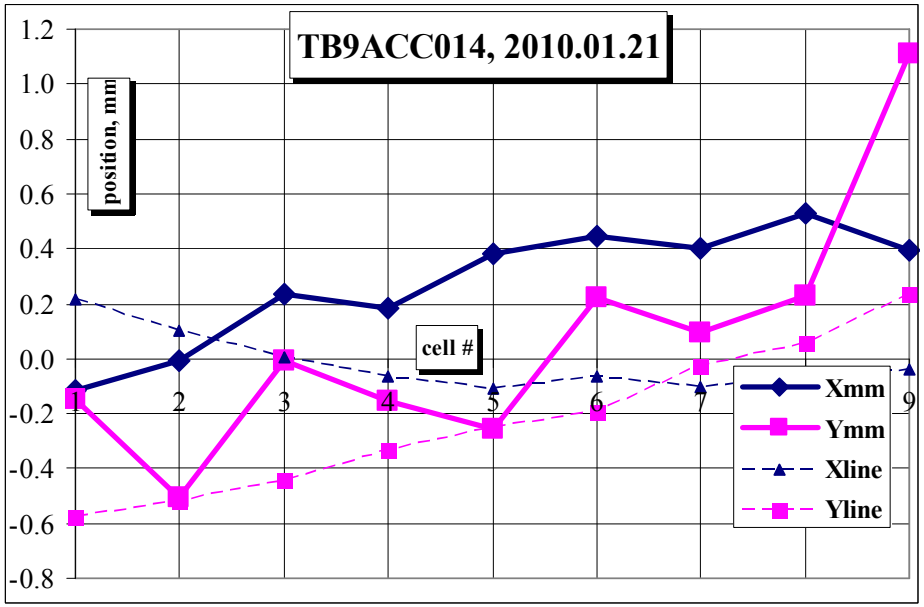
Frequency shift +544 kHz. Emin/Emax=0.17

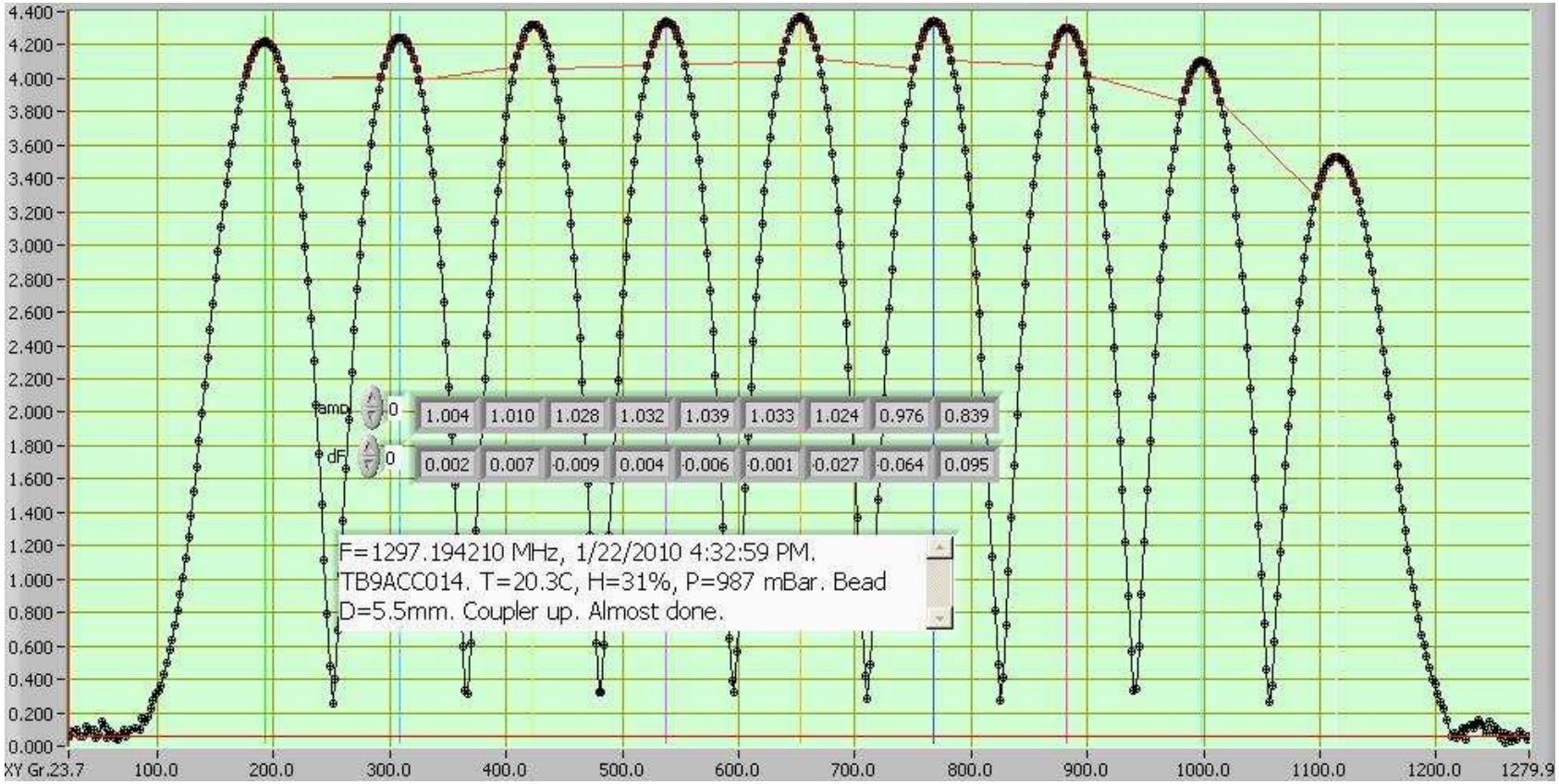


Frequency shift +210 kHz. Emin/Emax=0.29

Cell centers before and after tuning.







TB9ACC014 tuning. T. Khabiboulline. TD/SRFDEV/