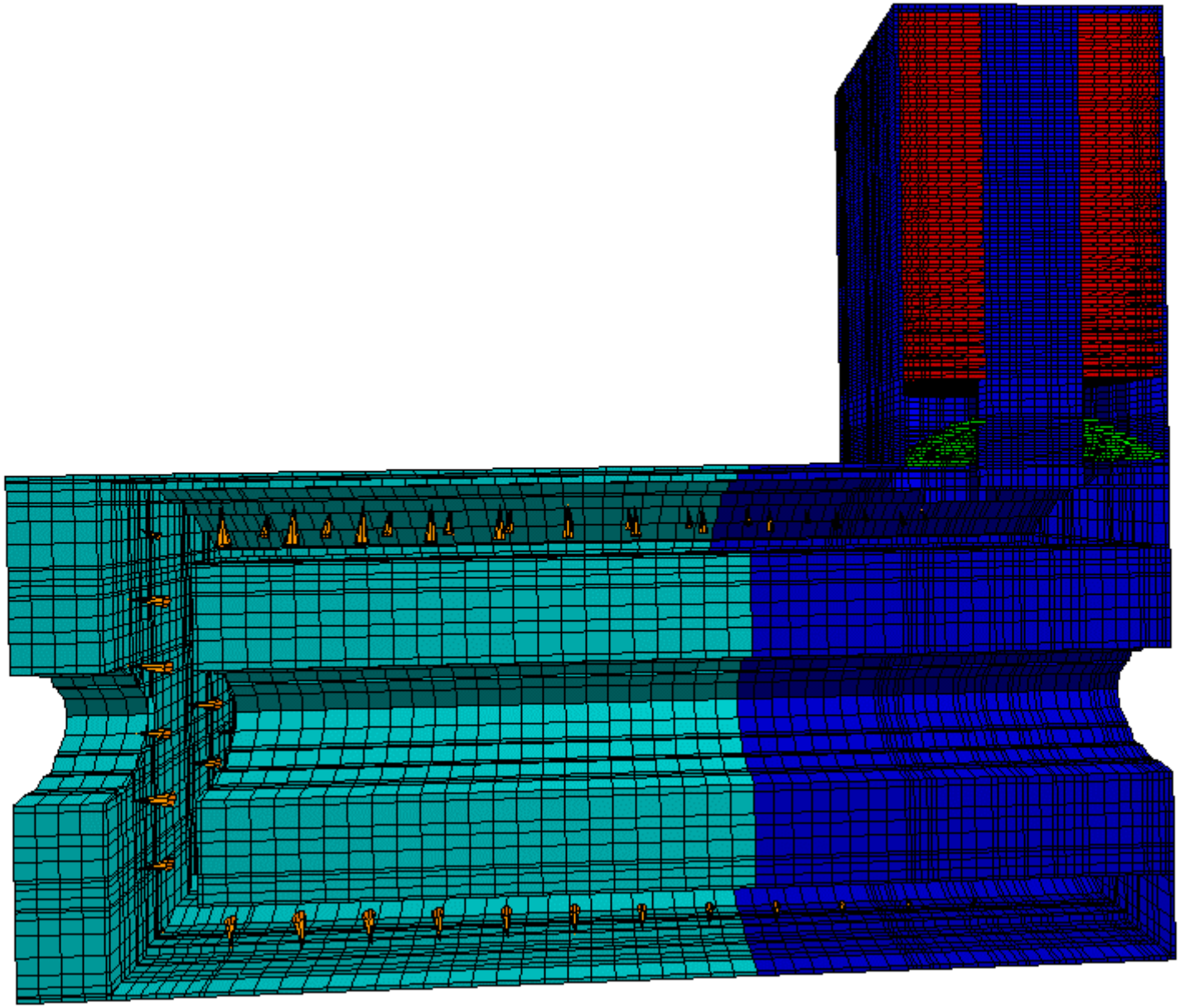
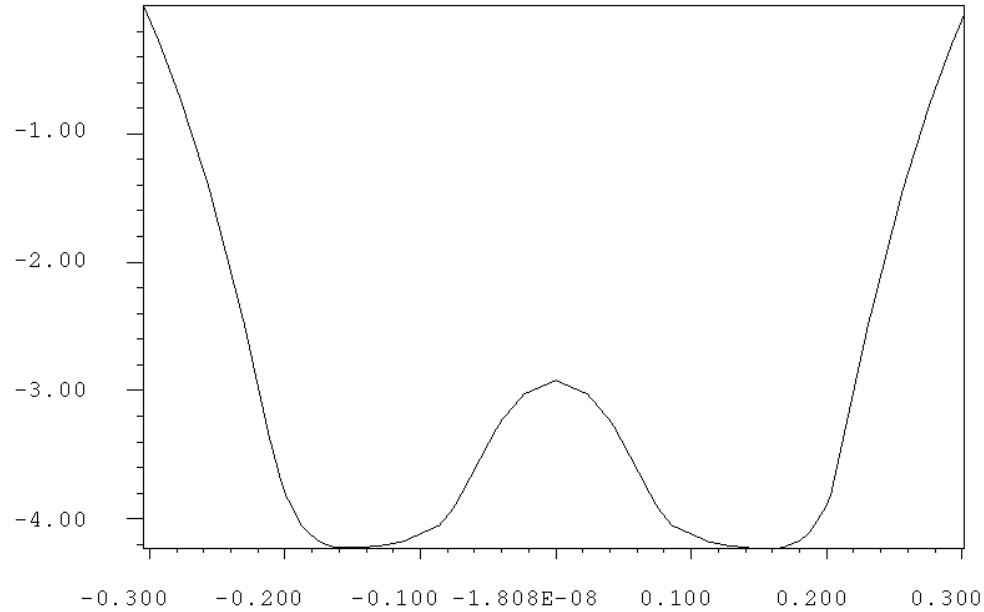
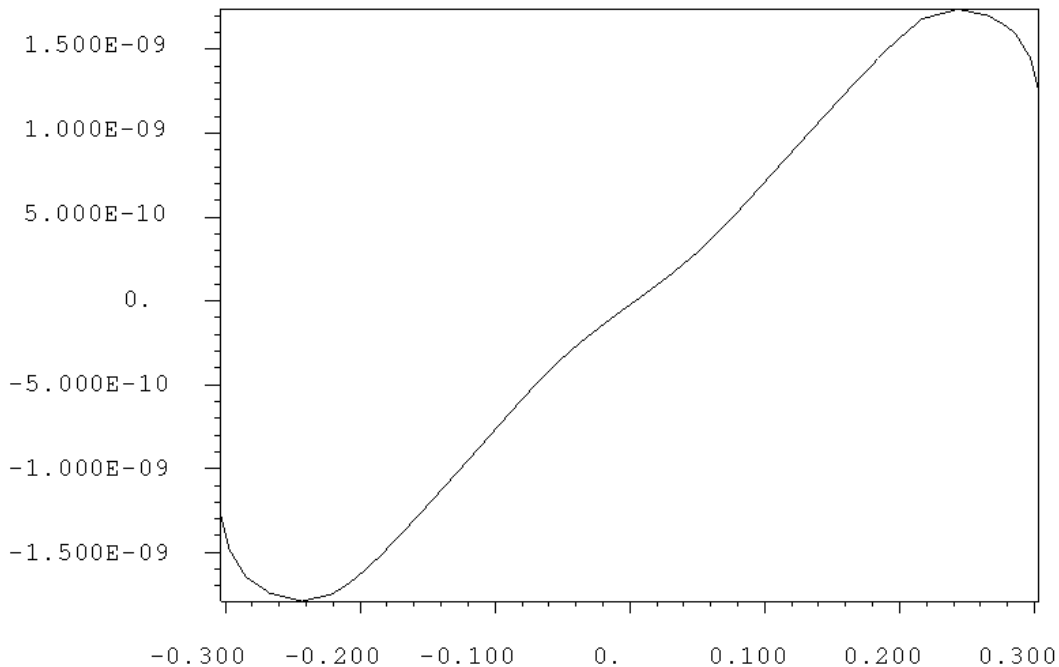


Ez(y) in the accelerating Gap region



Bx(y) in the accelerating Gap region



Frequency: ~ 53 MHz

<u>For the cavity: stainless steel with 40% copper coating</u>

$Q = w E / Pw \sim 5000$ $R_{sh} = V^2 / (2Pw) \sim 120\ k\Omega$

<u>For the cavity + tuner</u>

$Q = w E / (Pw+Pf) \sim 4800$ $R_{sh} = V^2 / (2(Pw+Pf)) \sim 117\ k\Omega$