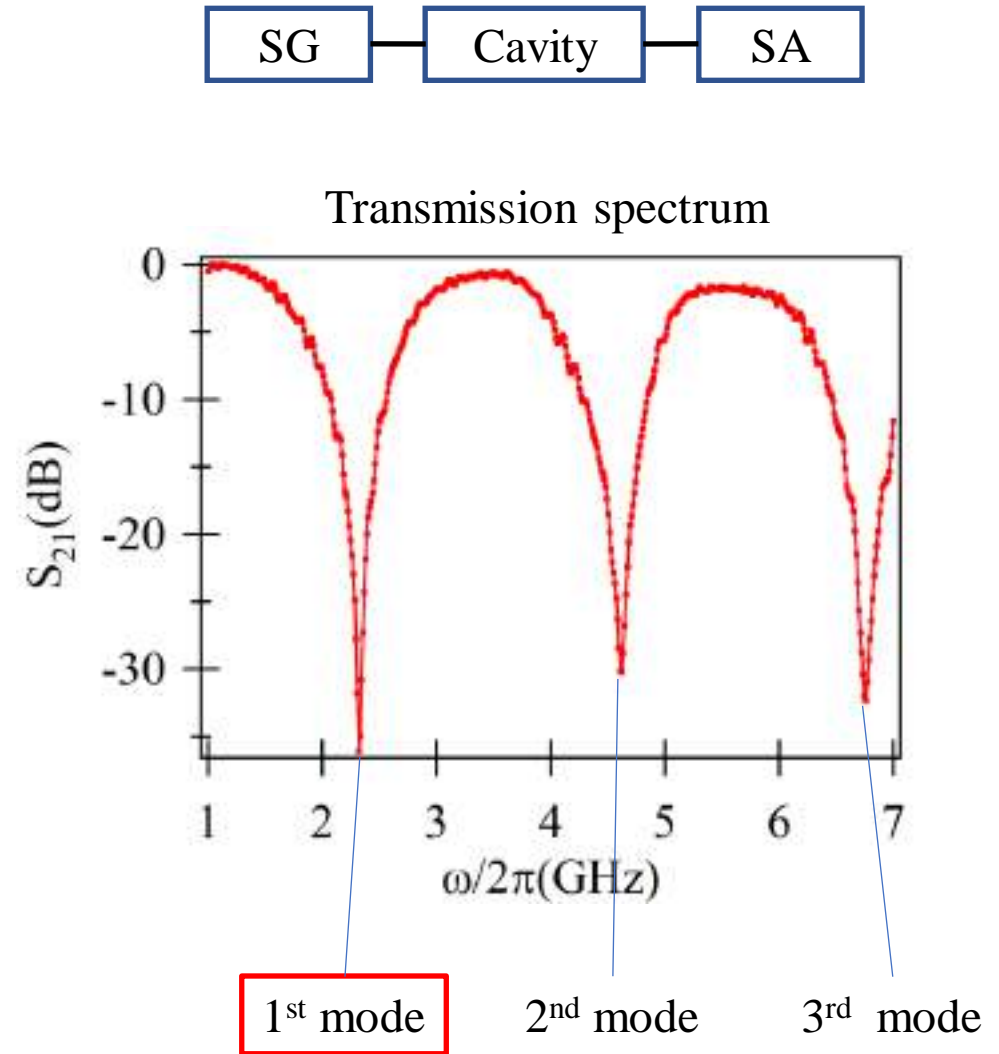
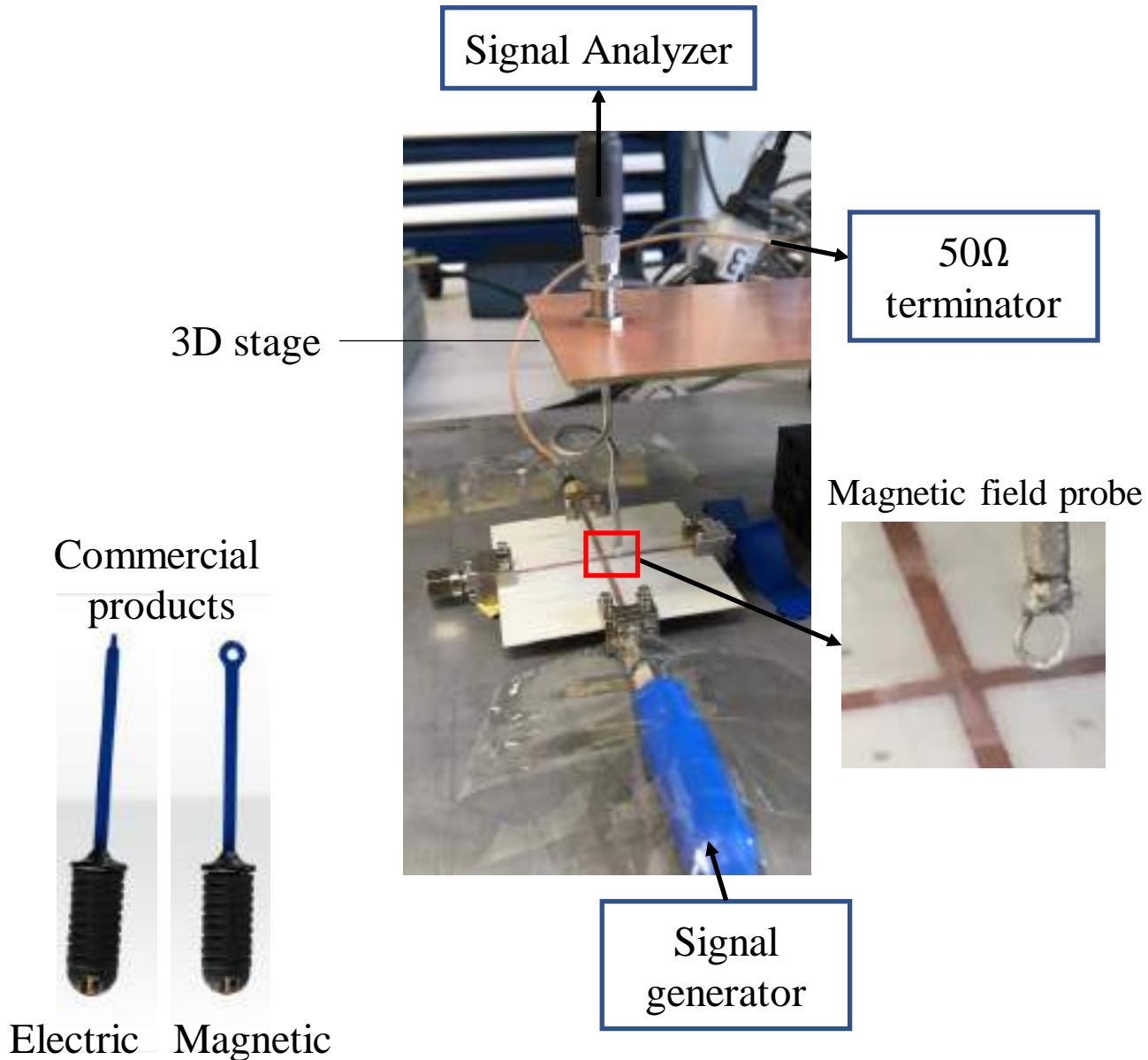


Measuring the field distribution of a planar cavity

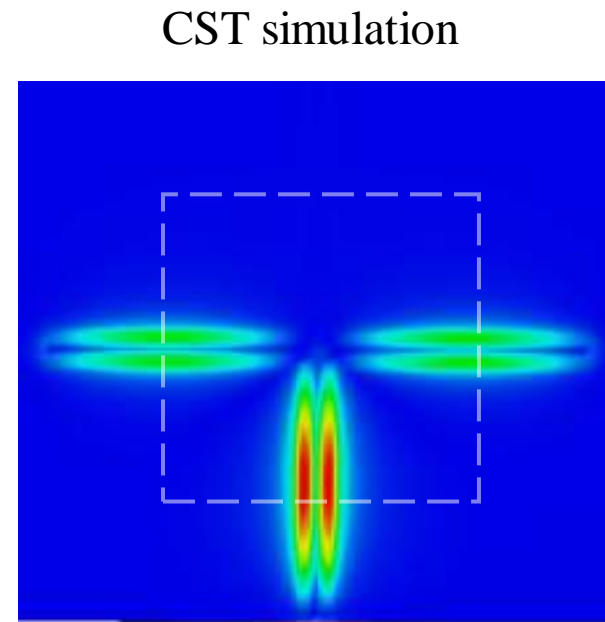
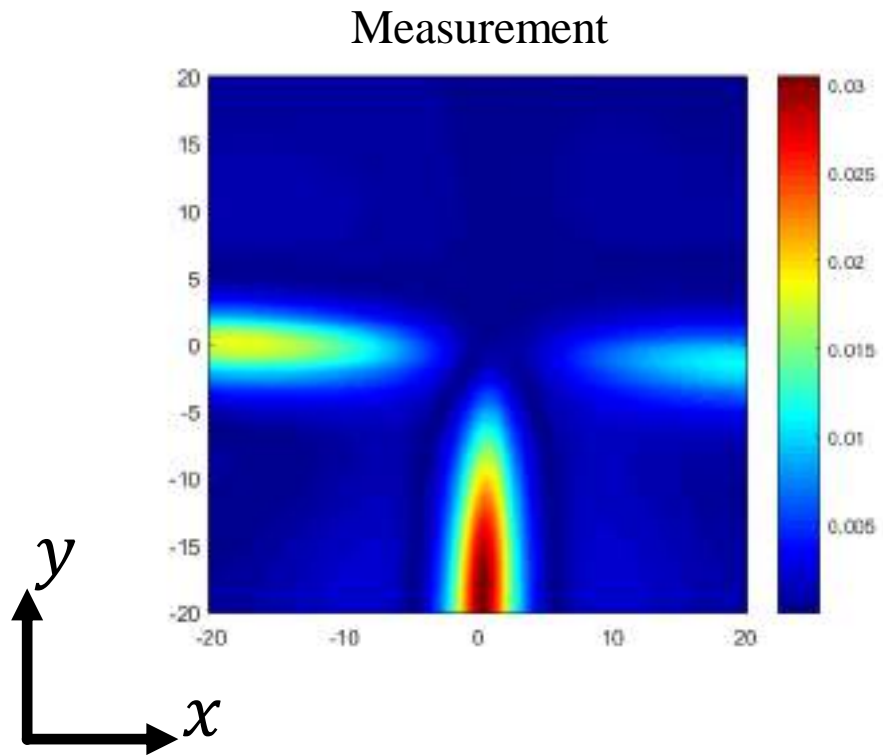
Yutong Zhao

May 6th 2019

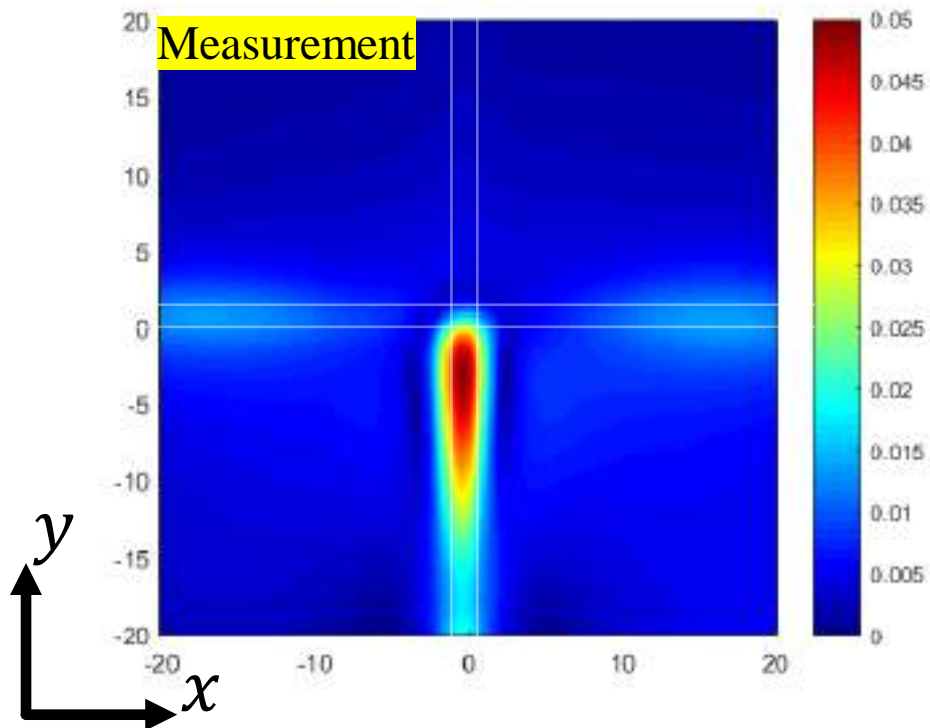
Experiment setup



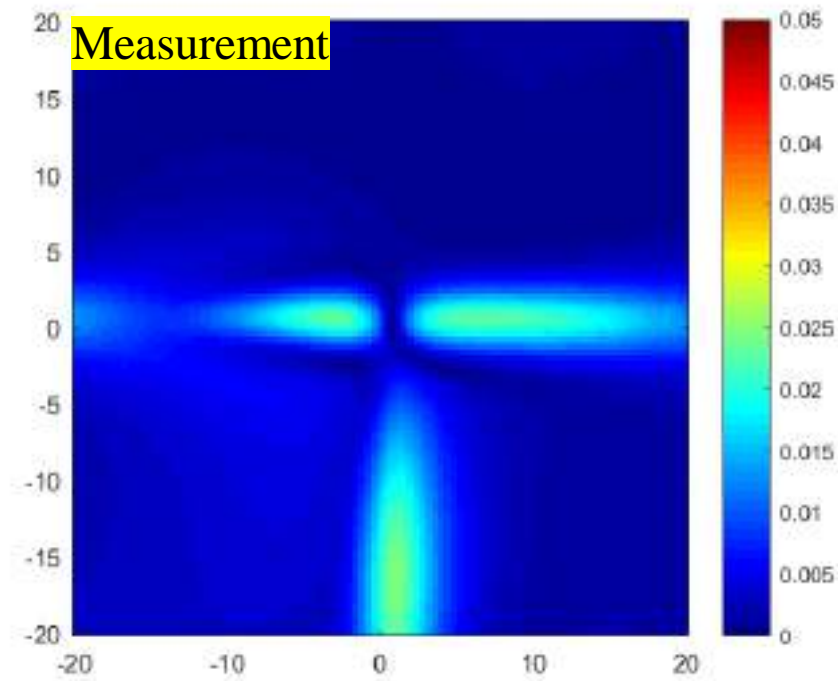
Electric field results



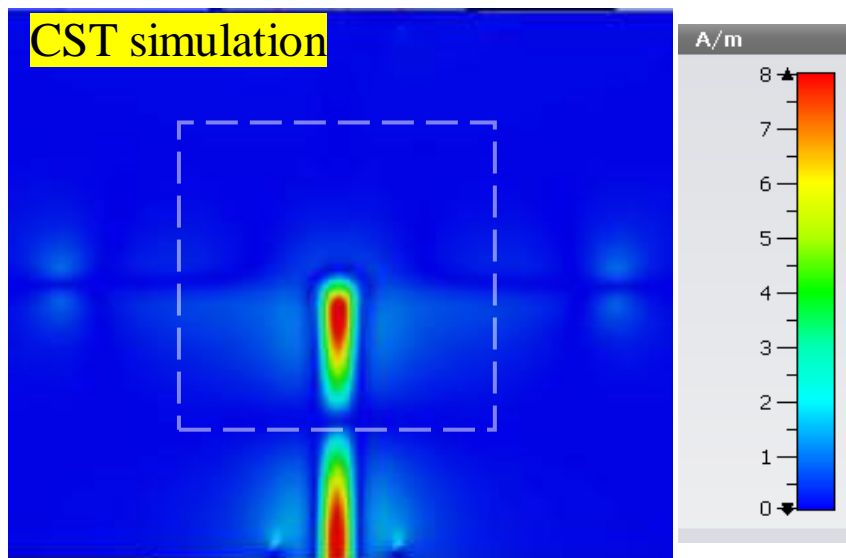
H_x field distribution



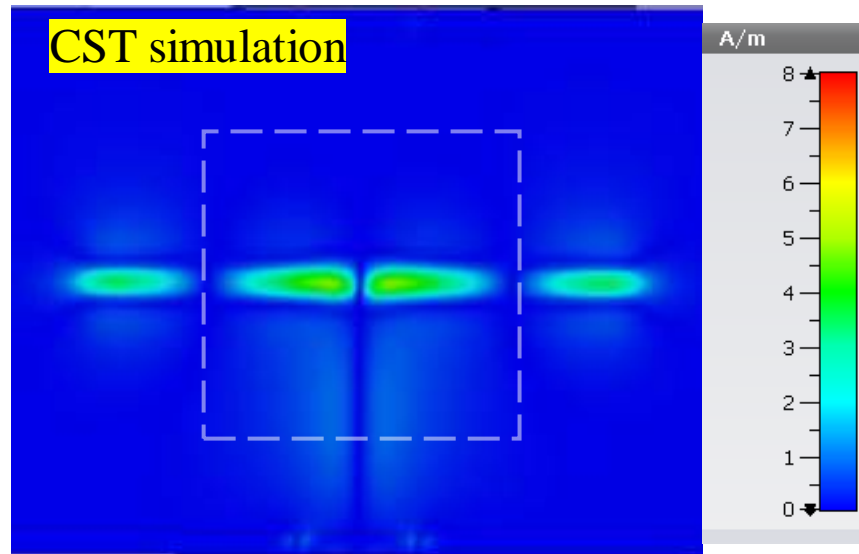
H_y field distribution



CST simulation

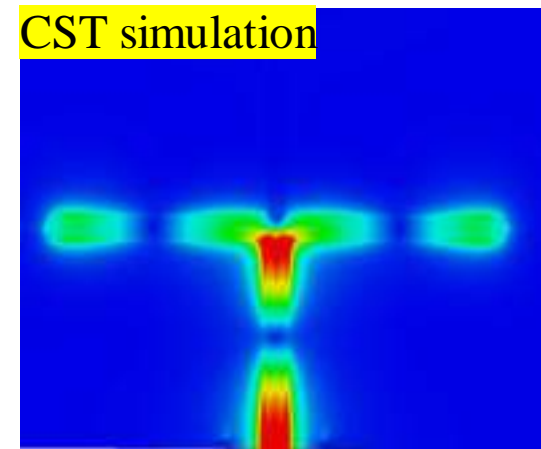


CST simulation



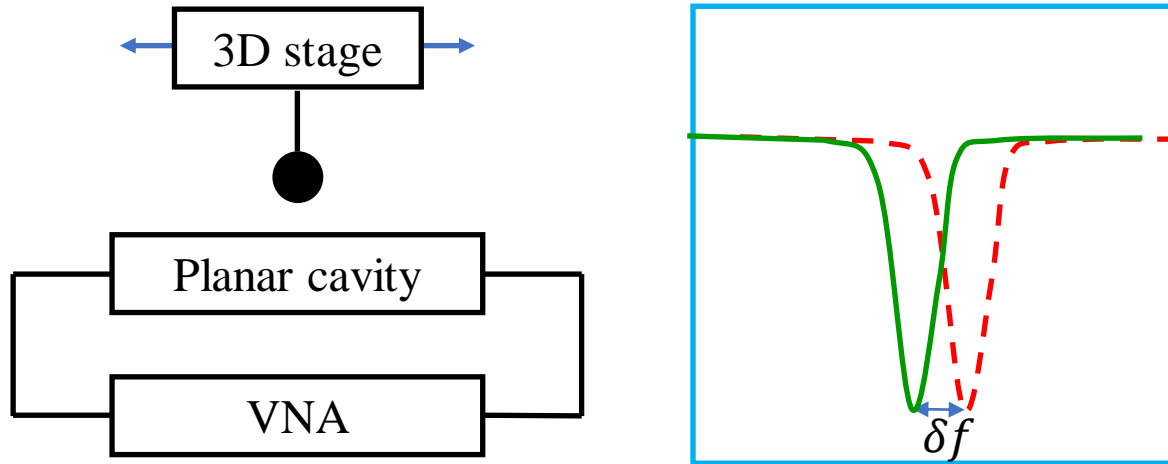
H_{abs} field distribution

CST simulation



Next step

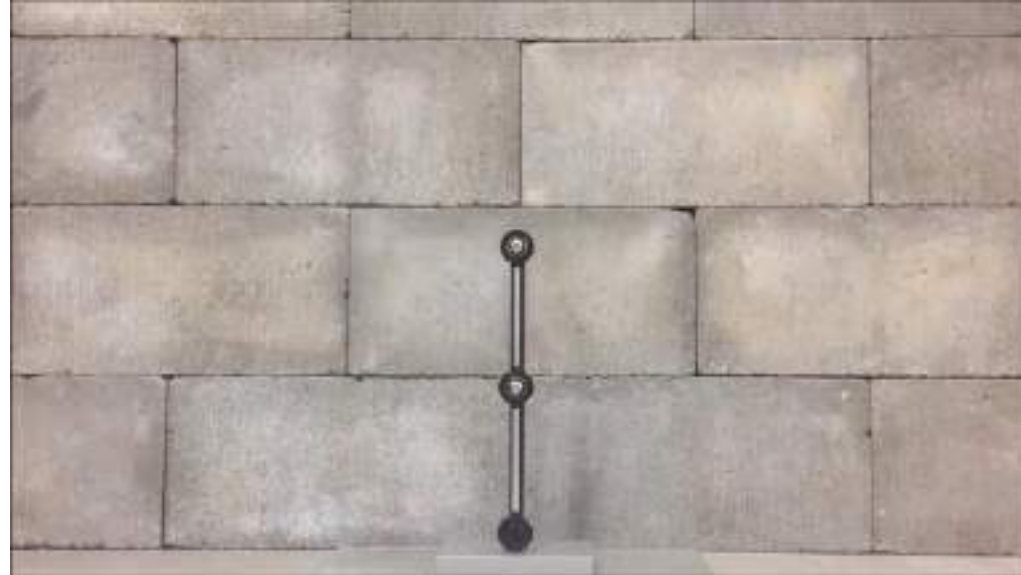
Determine the standing wave using cavity perturbation method:



Write the paper about the level attraction in metamaterials

Further experiment: DIY coupled pendulum

Example on internet: double pendulum



High performance bearing



Aluminum tube



Long exposure shows chaos

