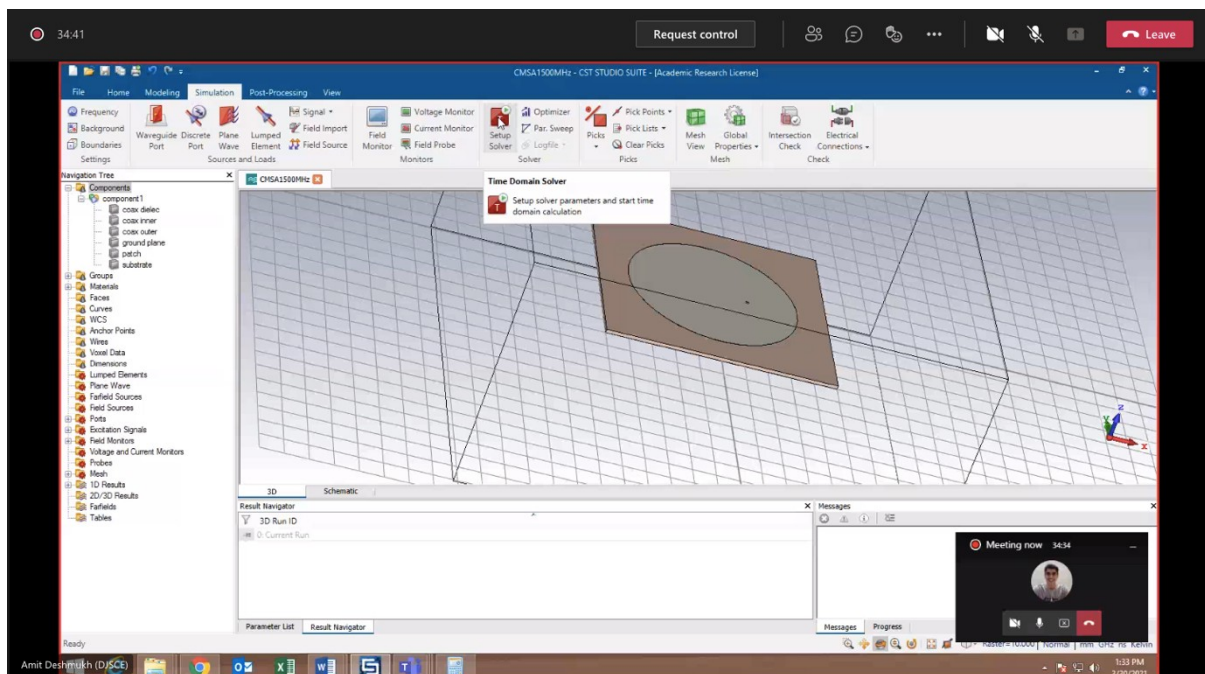




AWP Experiment: CMSA design in CST Simulation software

Rajus Nagwekar
60002180080
TE EXTC 2

Frequency = 1.5Ghz
Substrate = RT Duroit (epsilon = 2.33)
H = 0.16
Radius (a) = 3.727 cm



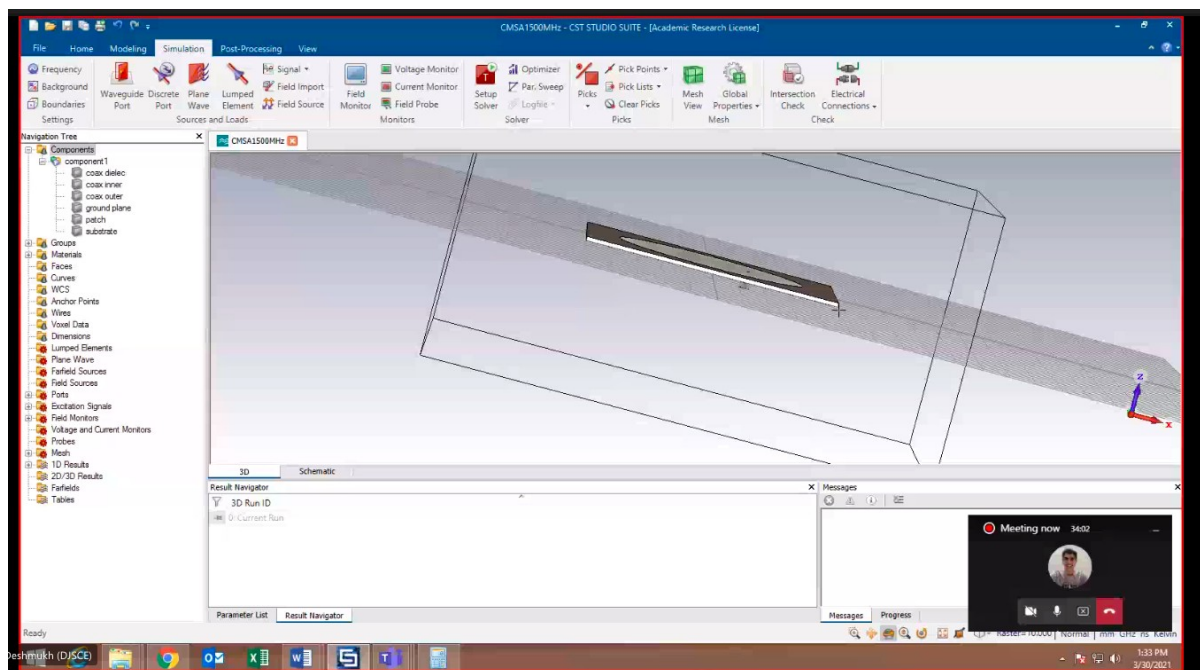
Top view of substrate



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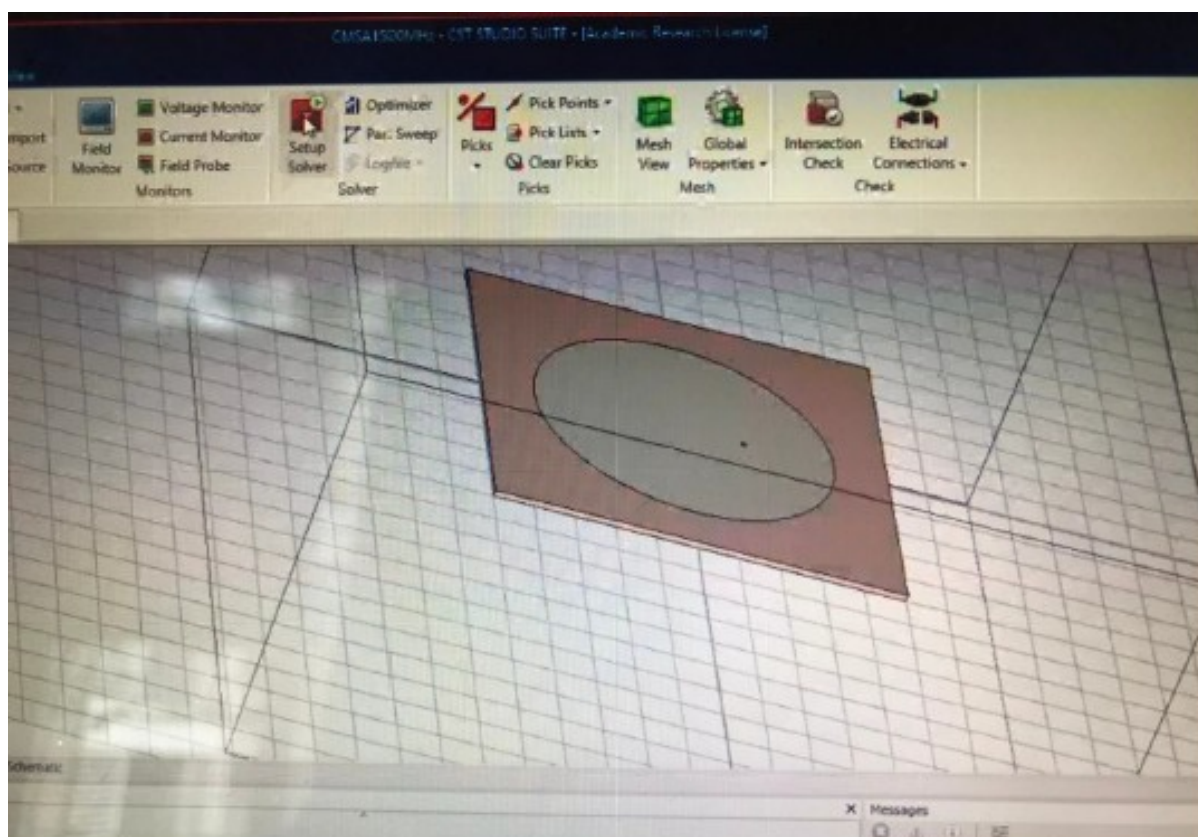
Side view of substrate



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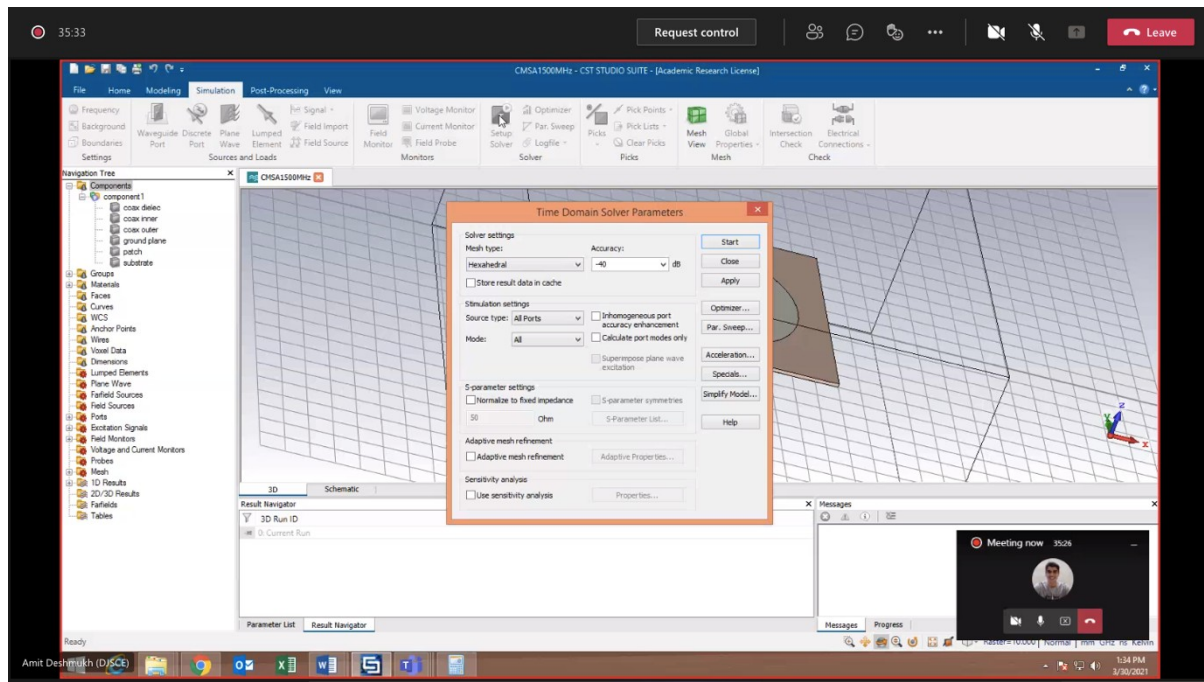
Setup solver



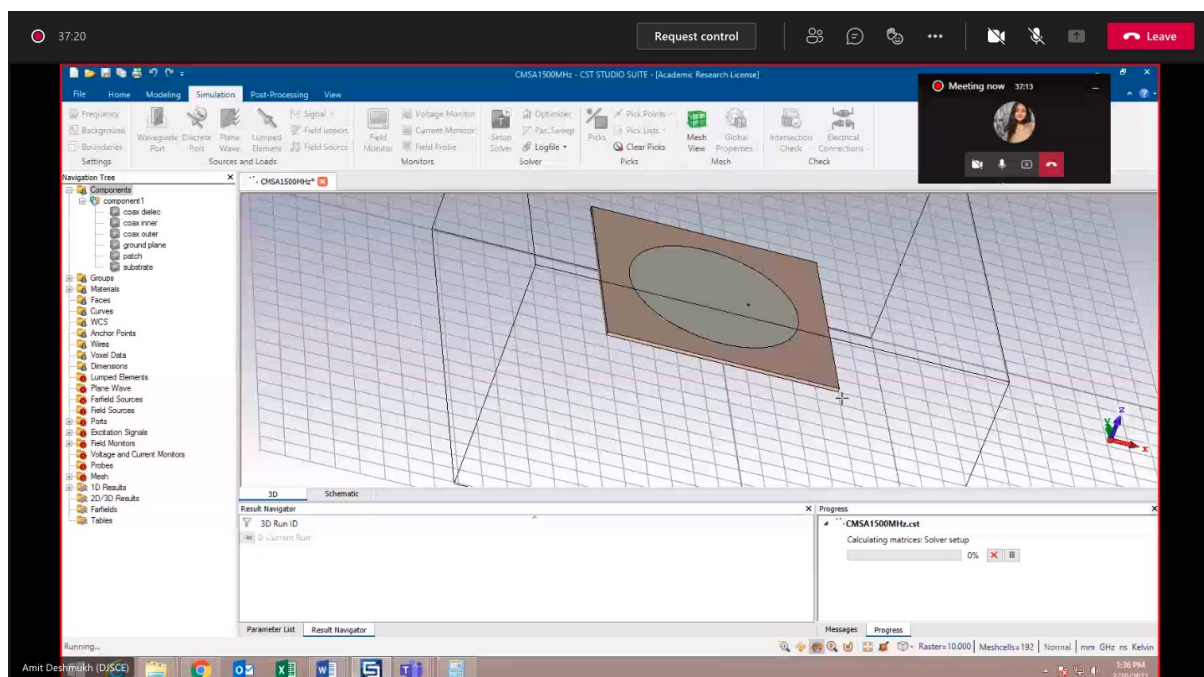
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Time domain solver parameters in setup solver



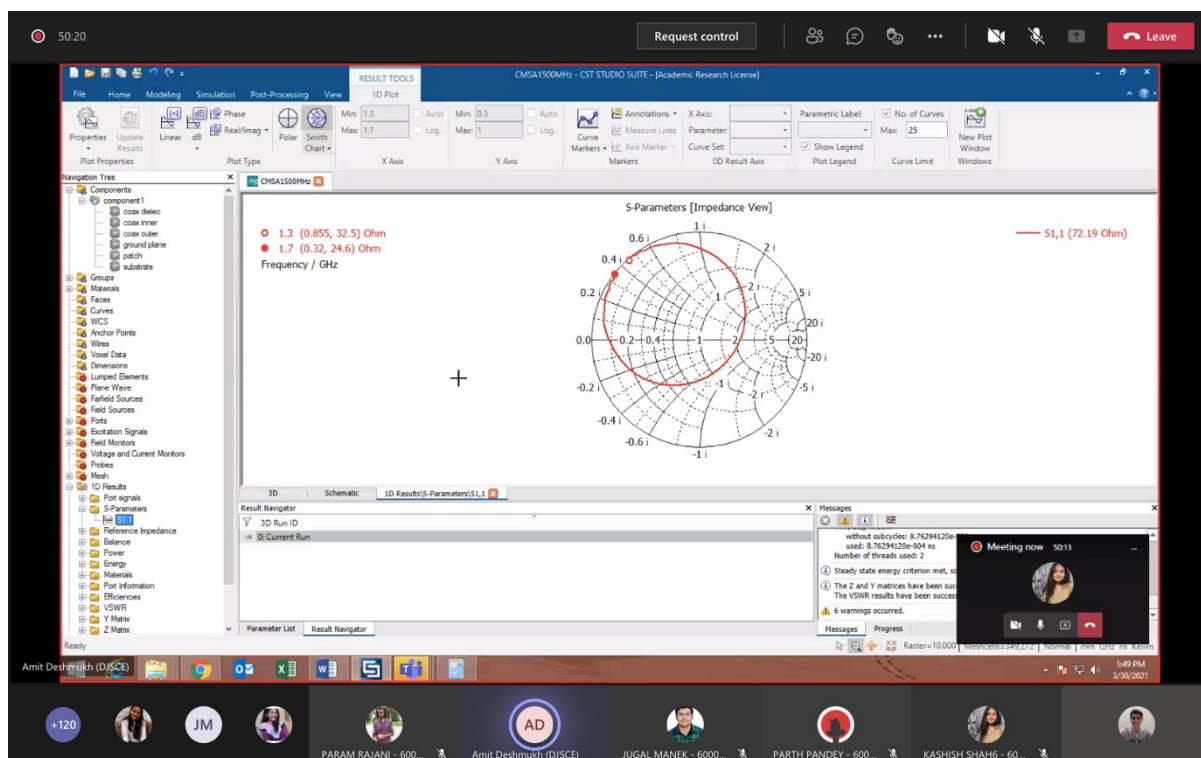
Simulation of antenna



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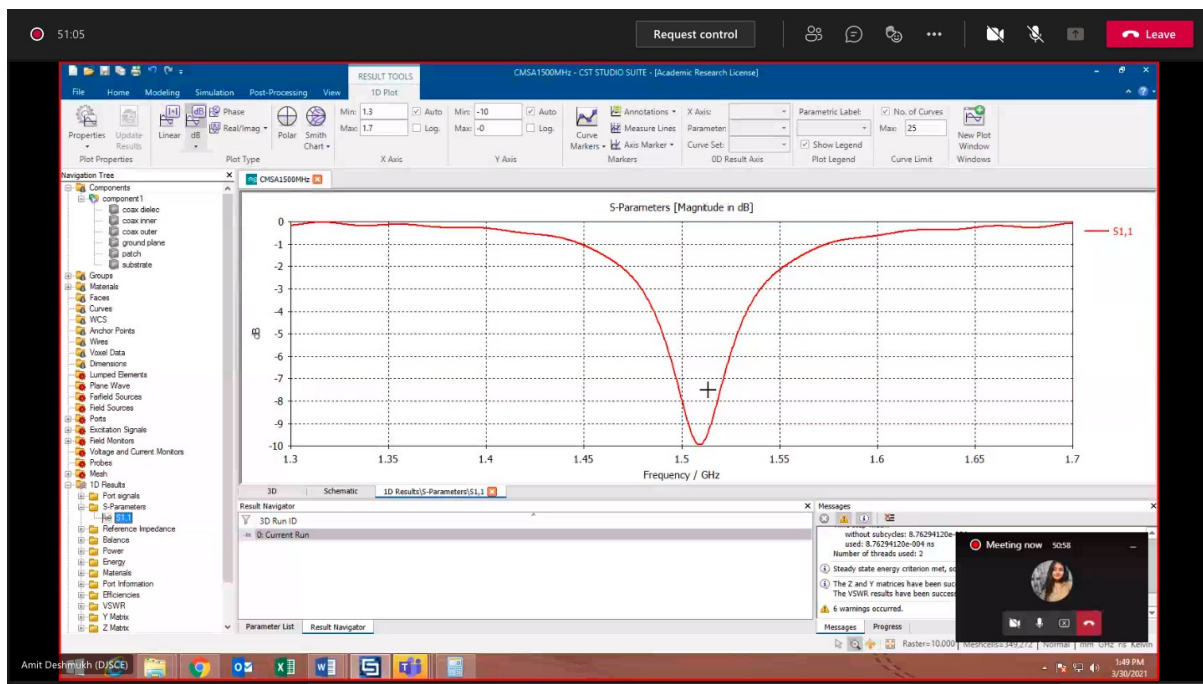
S-parameters smith chart



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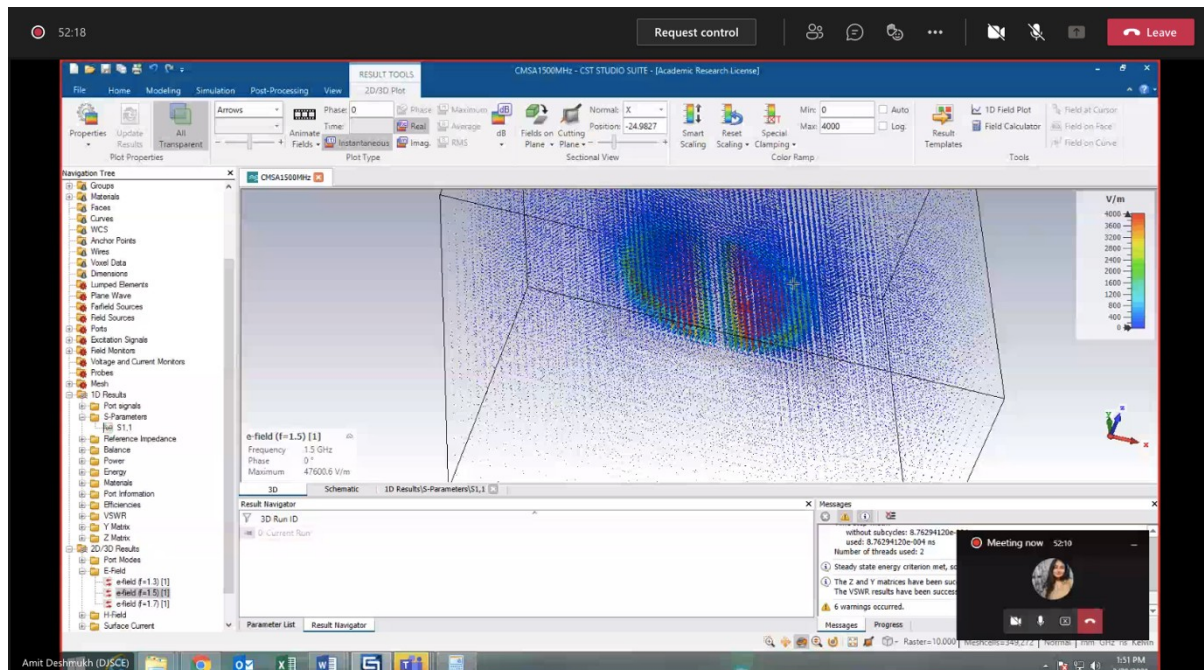
S parameters return coefficient observed at 1.51 Ghz



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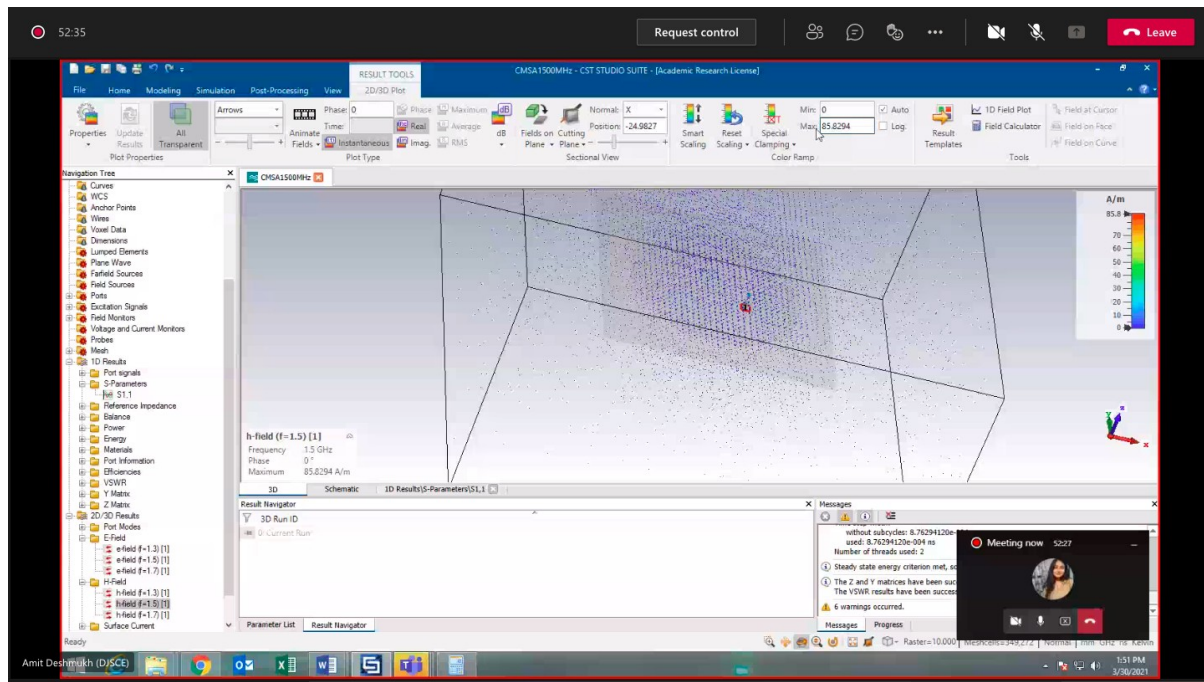
Electric field distribution



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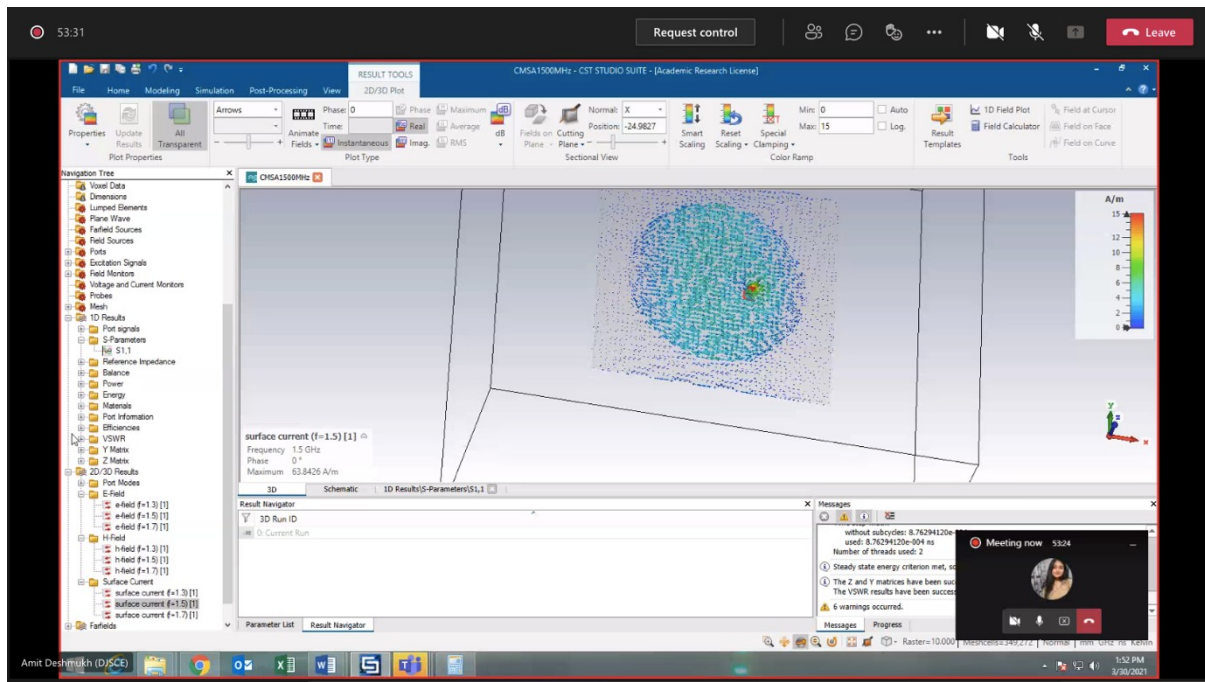
Magnetic field distribution



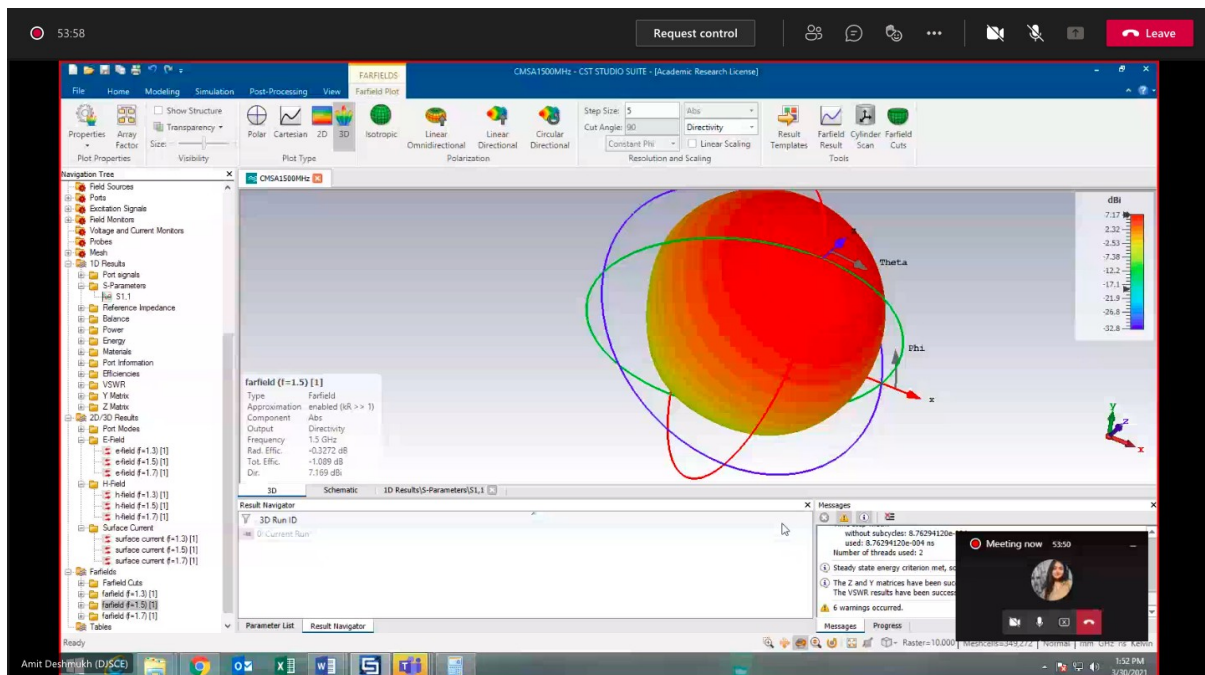
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Surface current density



Far field distribution



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