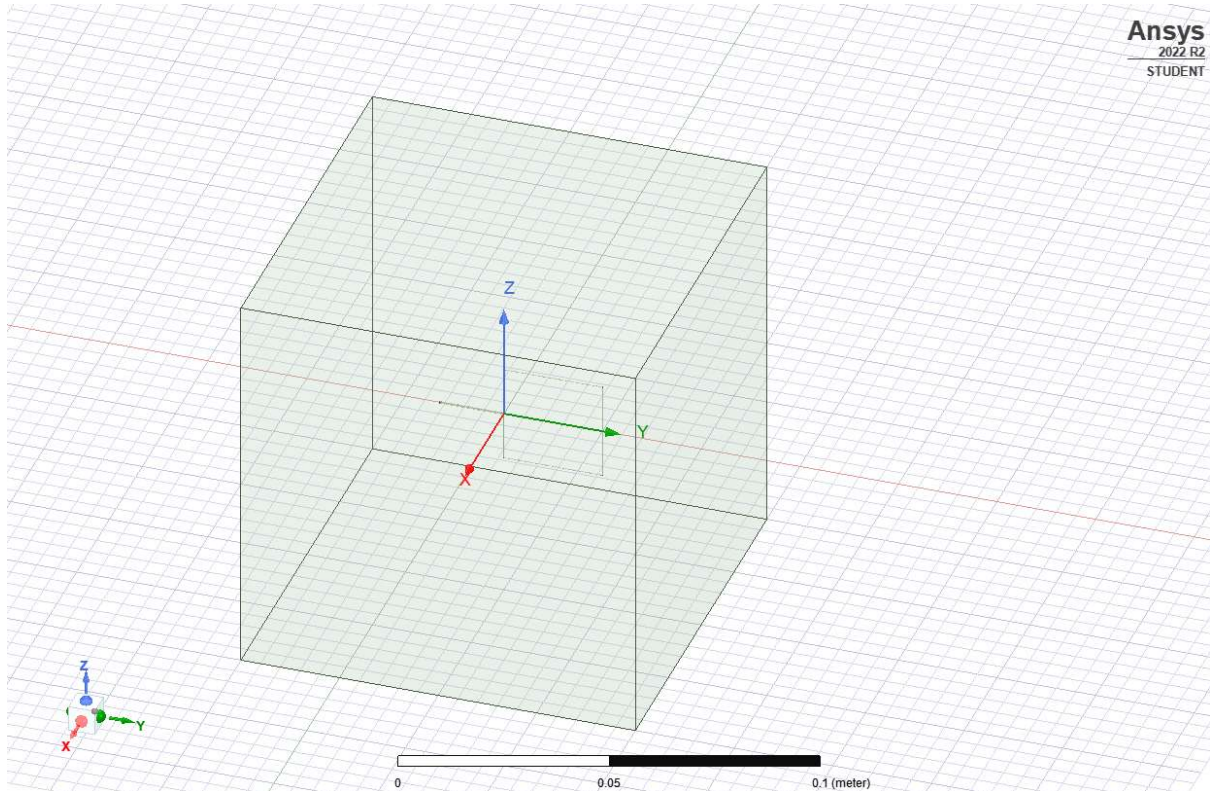
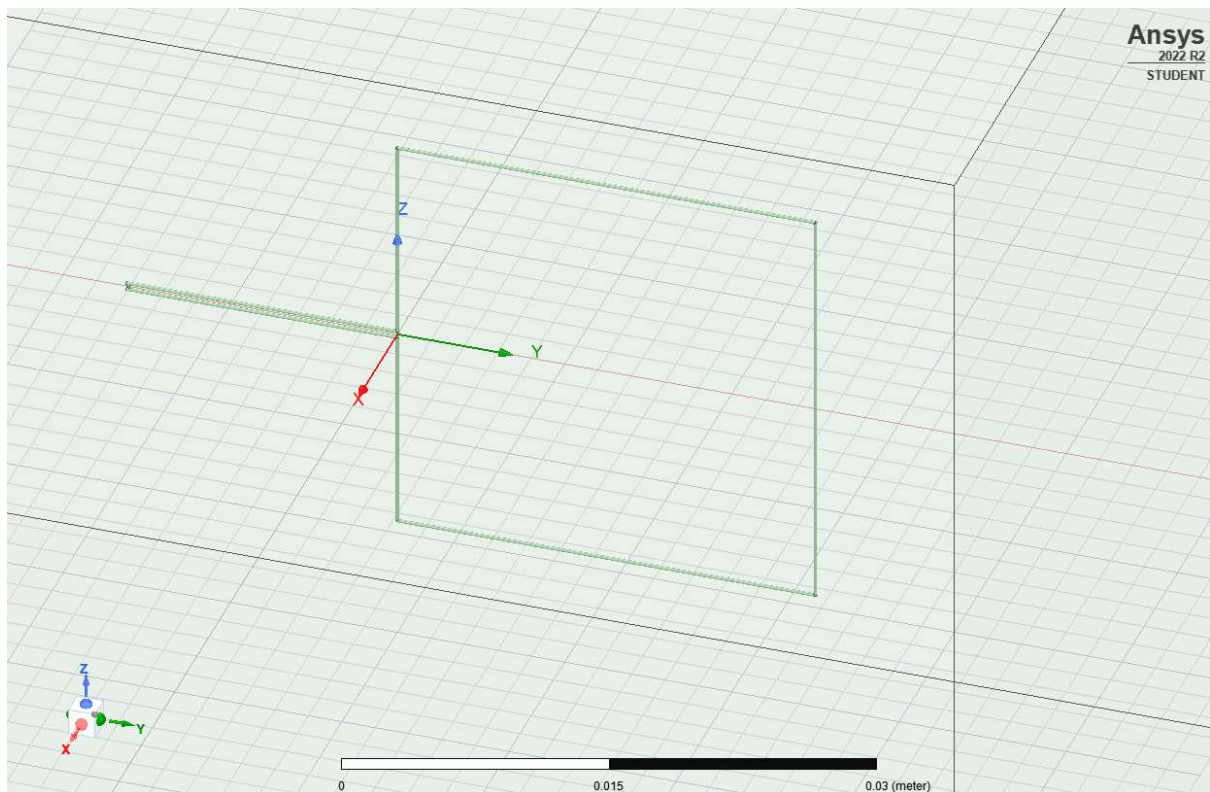


Project Results

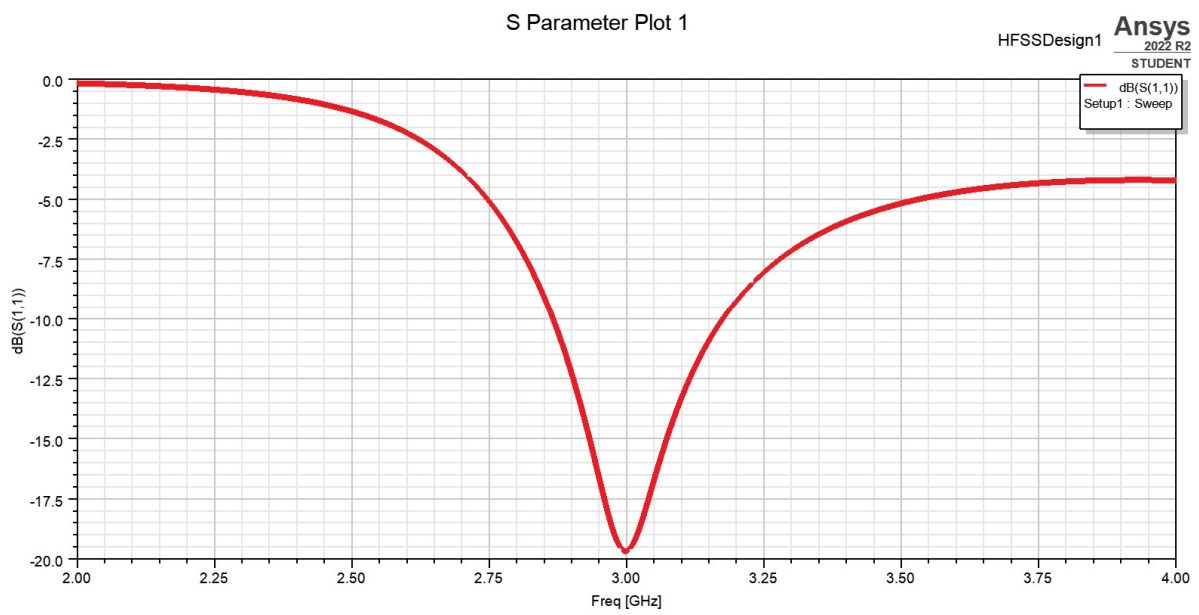
3D Model including radiation boundary:



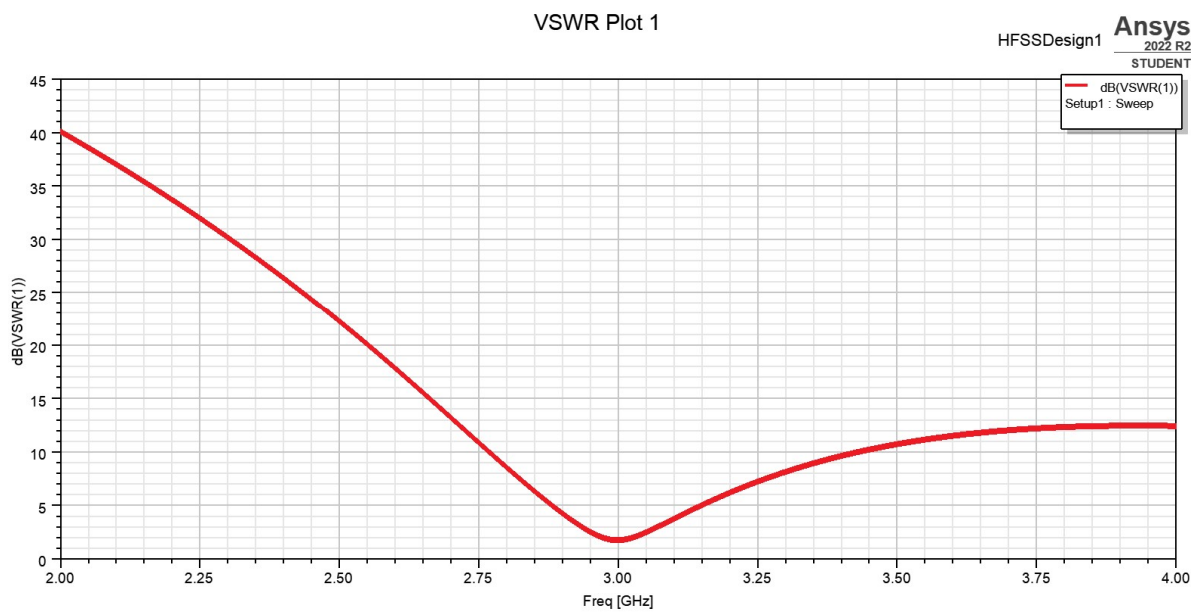
3D Model of Loop Antenna:



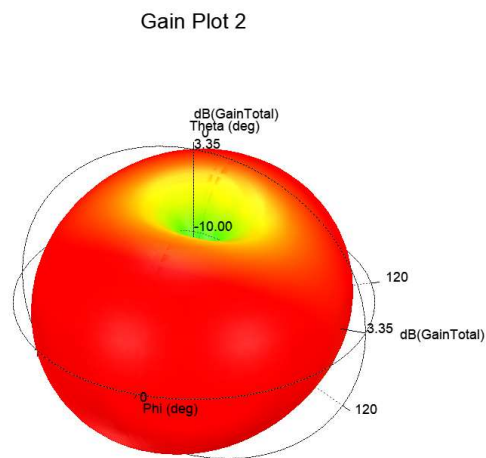
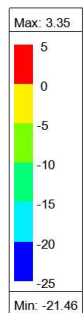
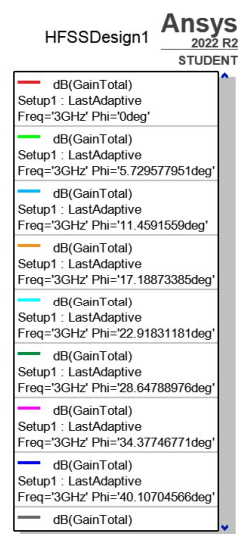
S Parameter plot:



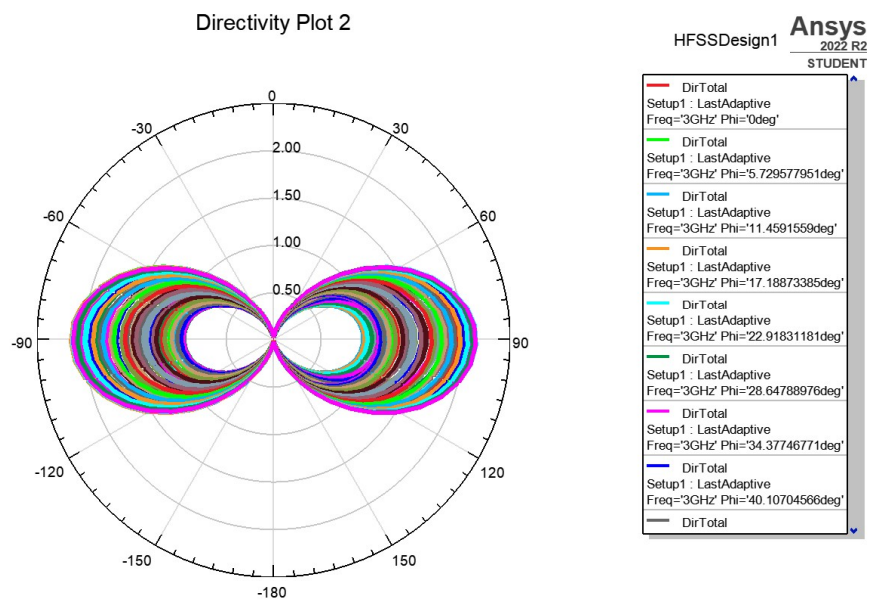
VSWR Plot:



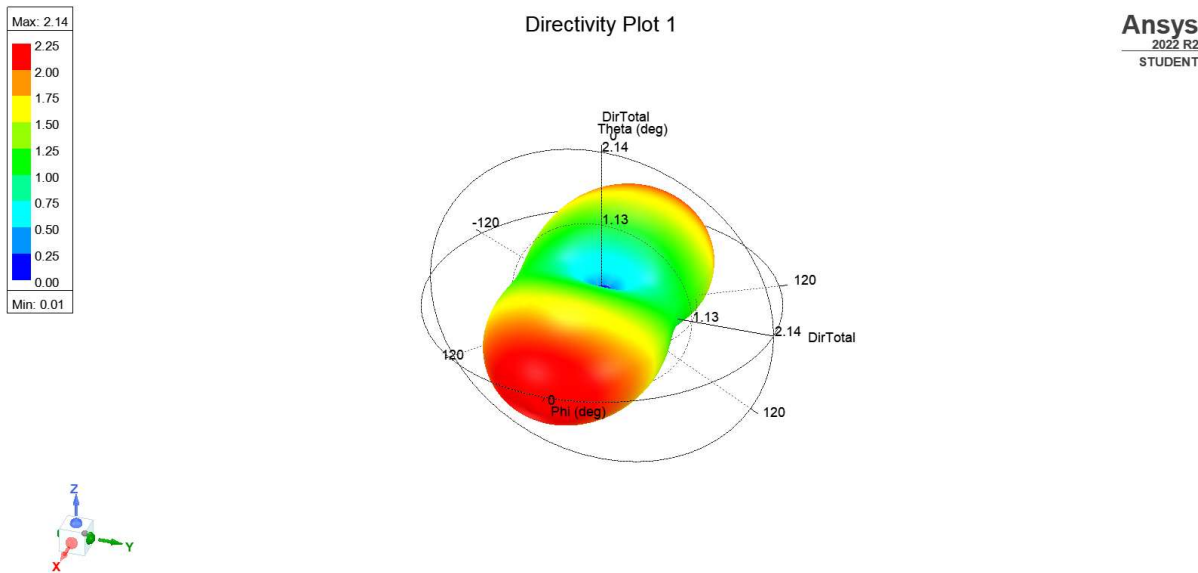
3D Gain Plot:



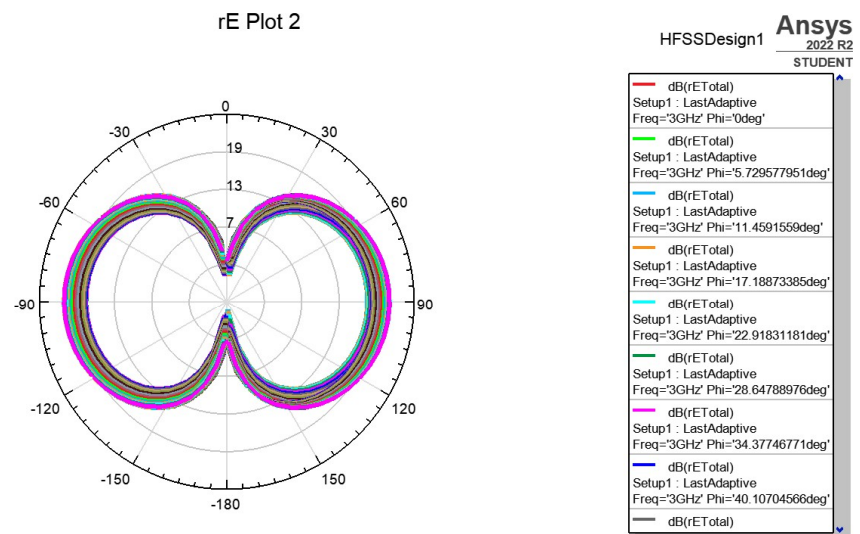
2D Directivity Plot:



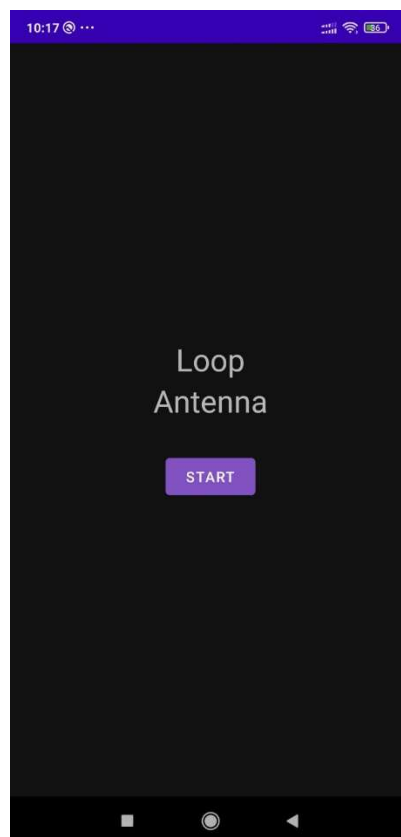
3D Directivity Plot:



Radiation Pattern:



Screenshots of Mobile Application:



10:18

100%

Loop Antenna

Frequency(MHz)

3000

Length of the loop(m)

0.01

Radius of the wire(m)

0.001

Conductivity(S/m)

1000

Number Of Turns(N)

10

Resistance

20

CALCULATE

10:18

100%

Loop Antenna

Radiation Resistance(Ohm)

3076.445

Loop Resistance(Ohm)

345.401

Efficiency (%)

89.906

Directivity

1.5

Effective Aperture

0.001

2D PLOT

