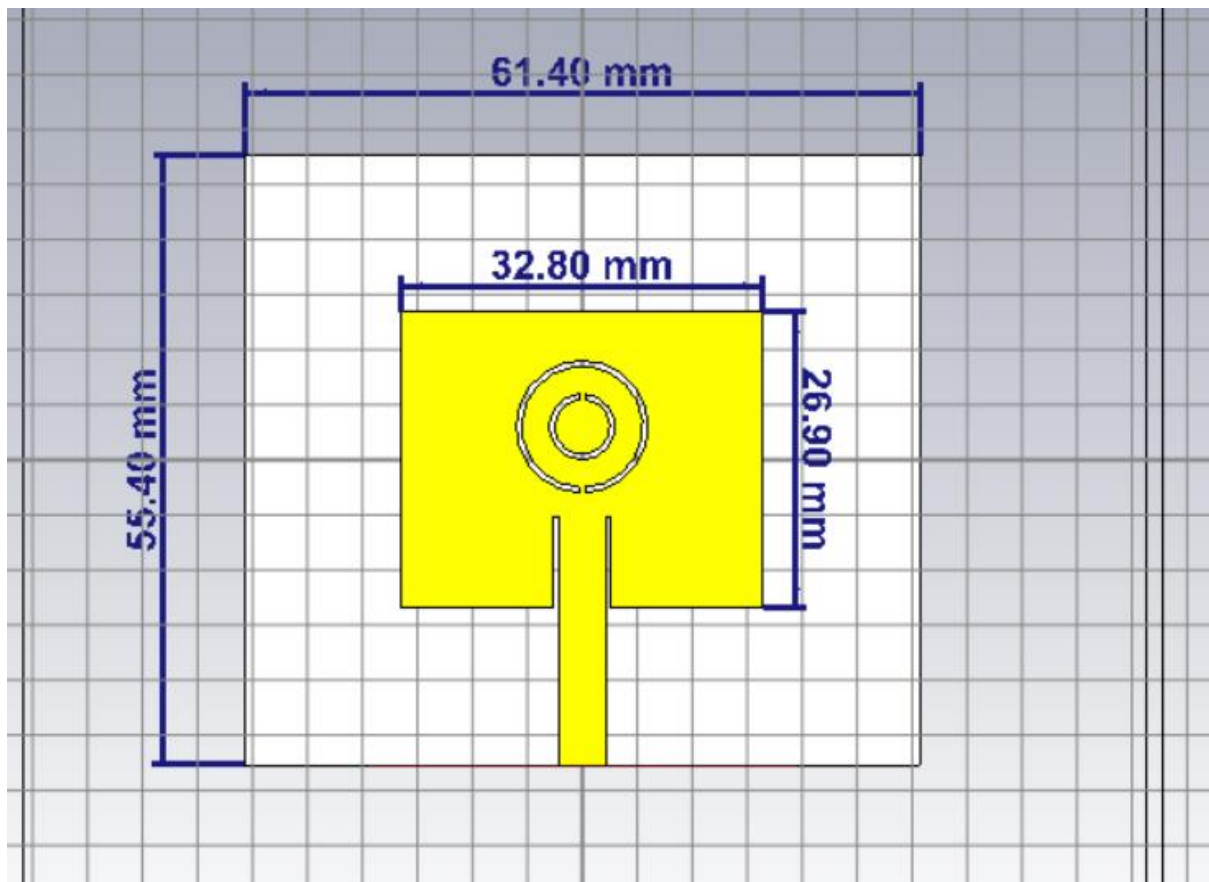
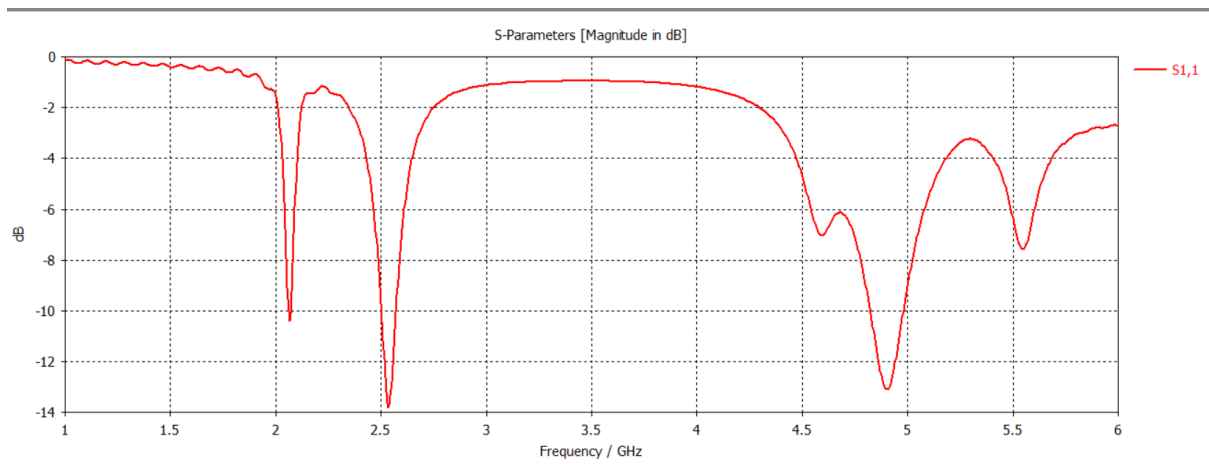
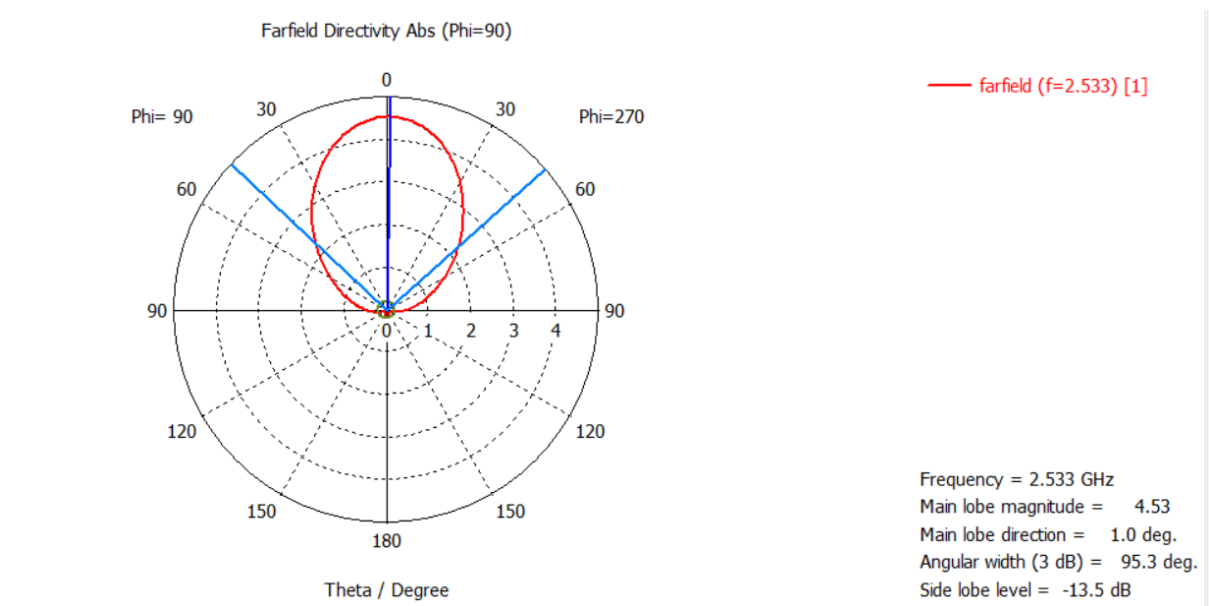
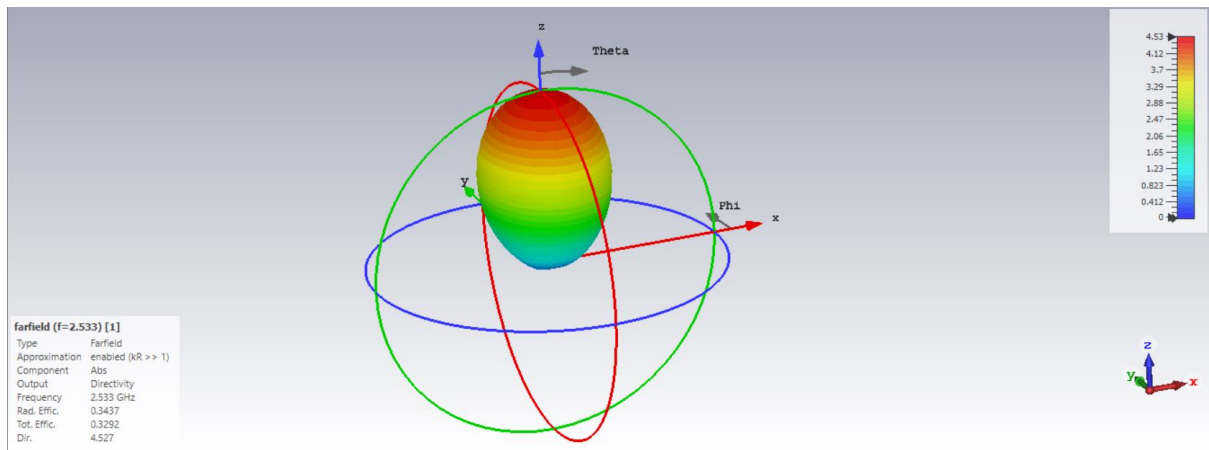


## 1X1 antenna

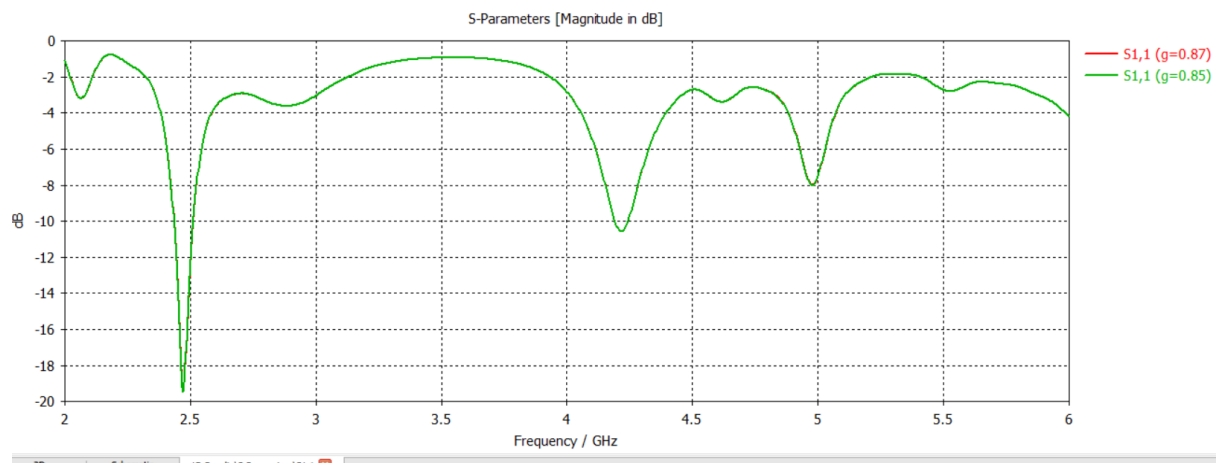
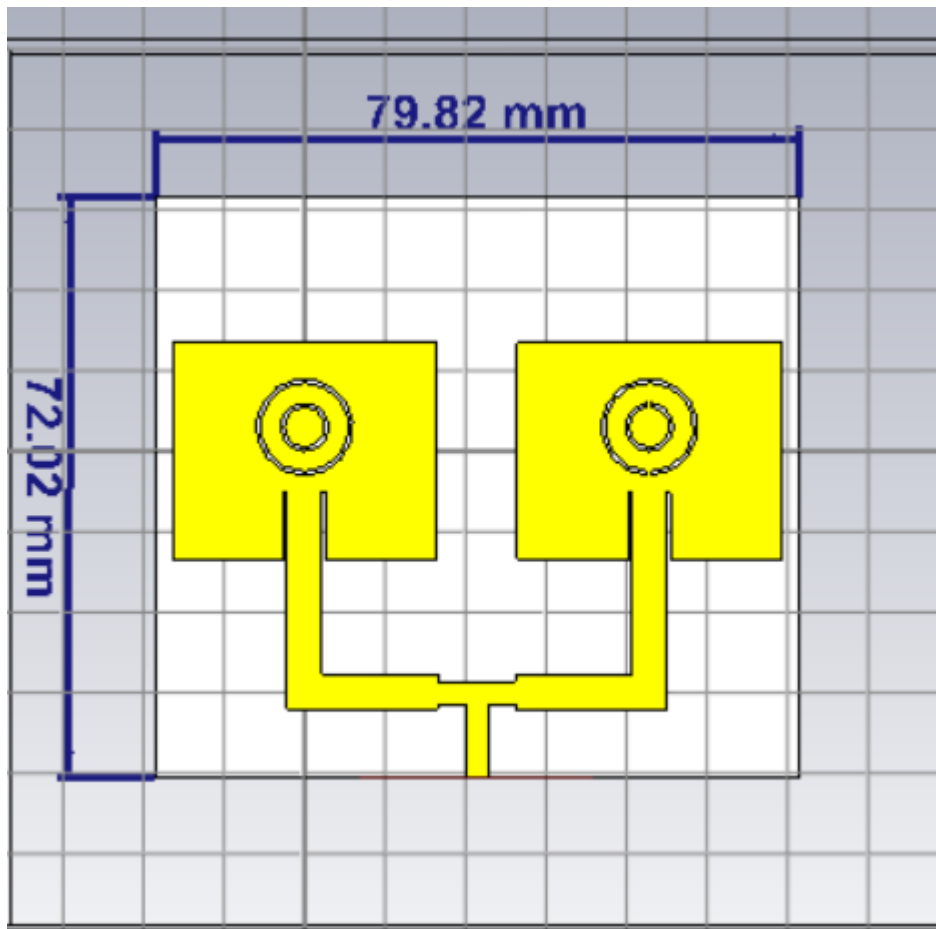


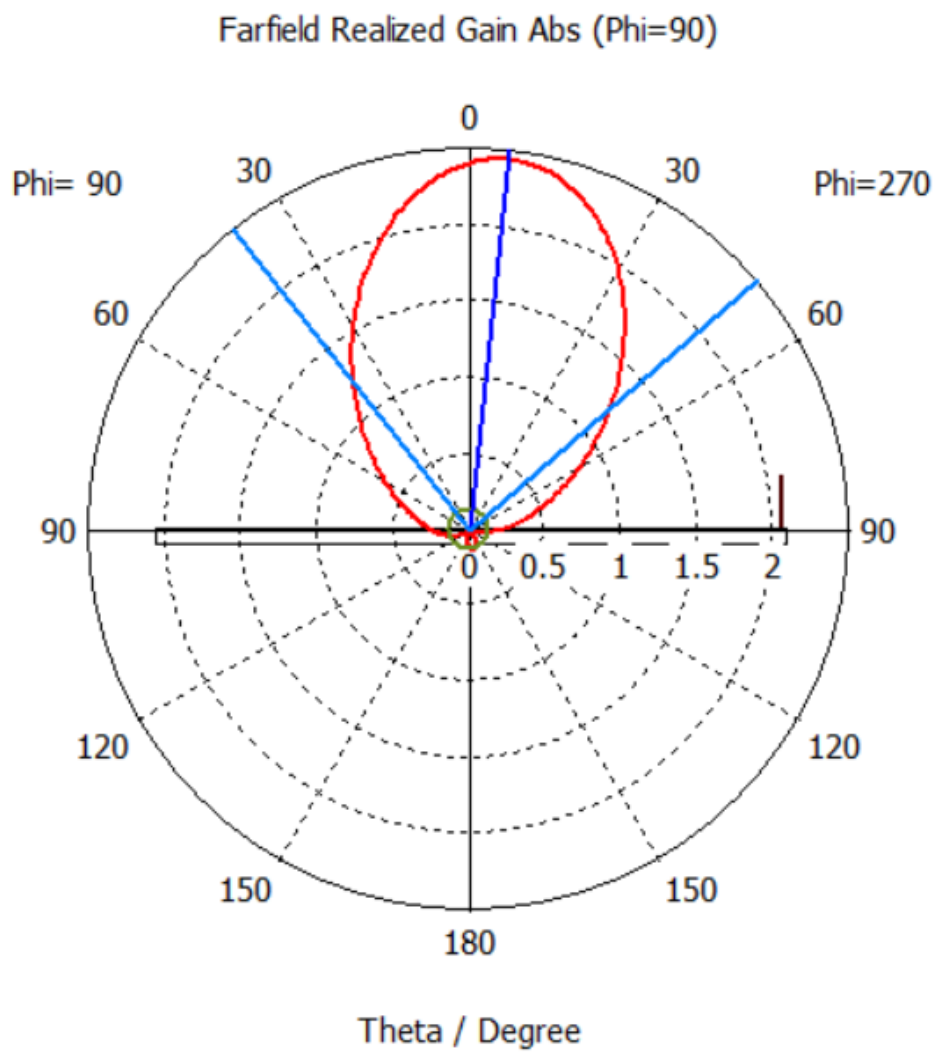
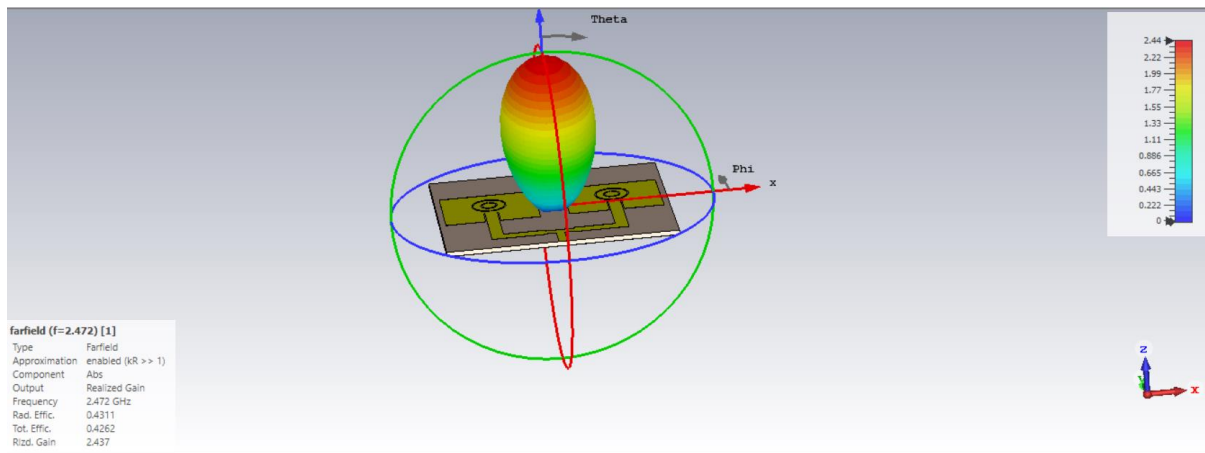
## S11



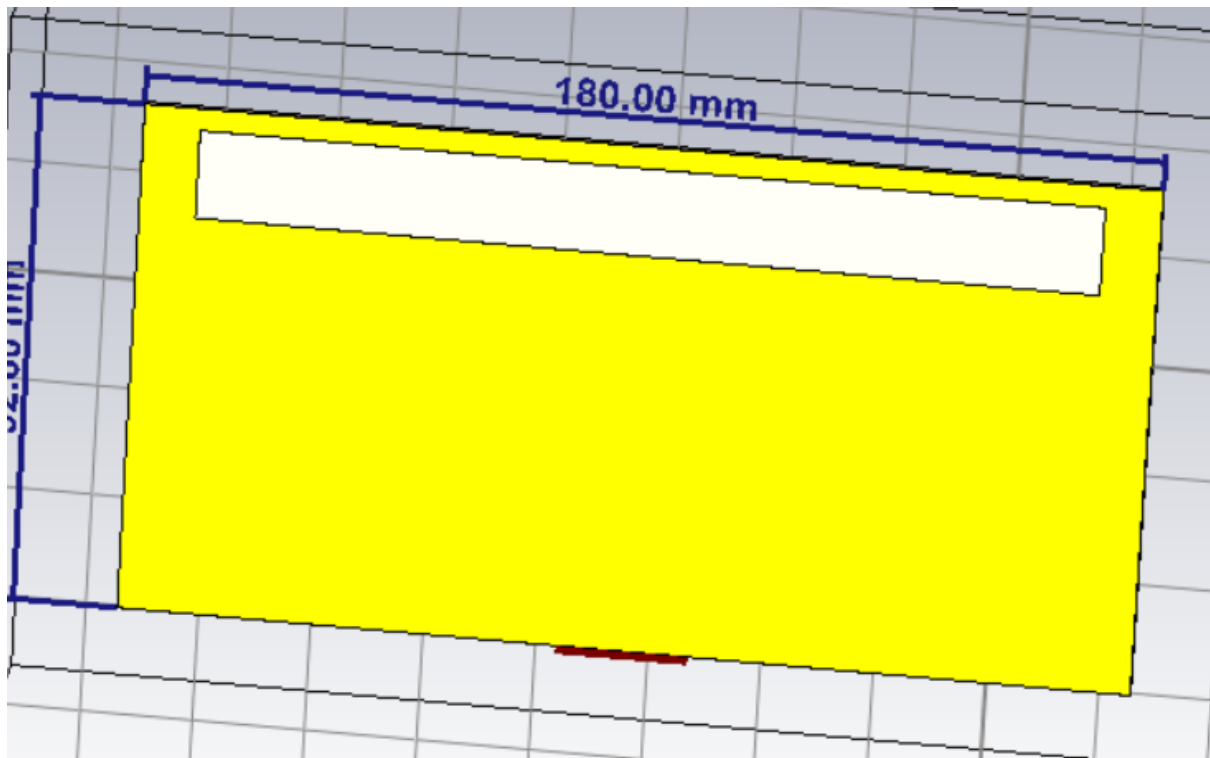
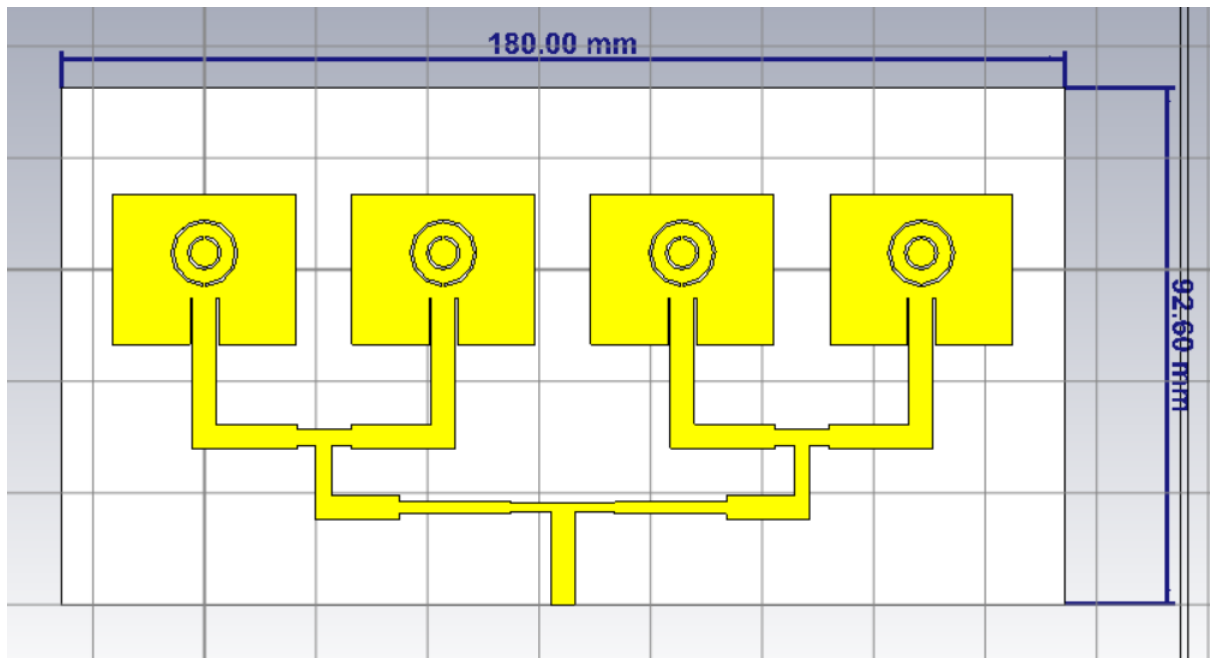


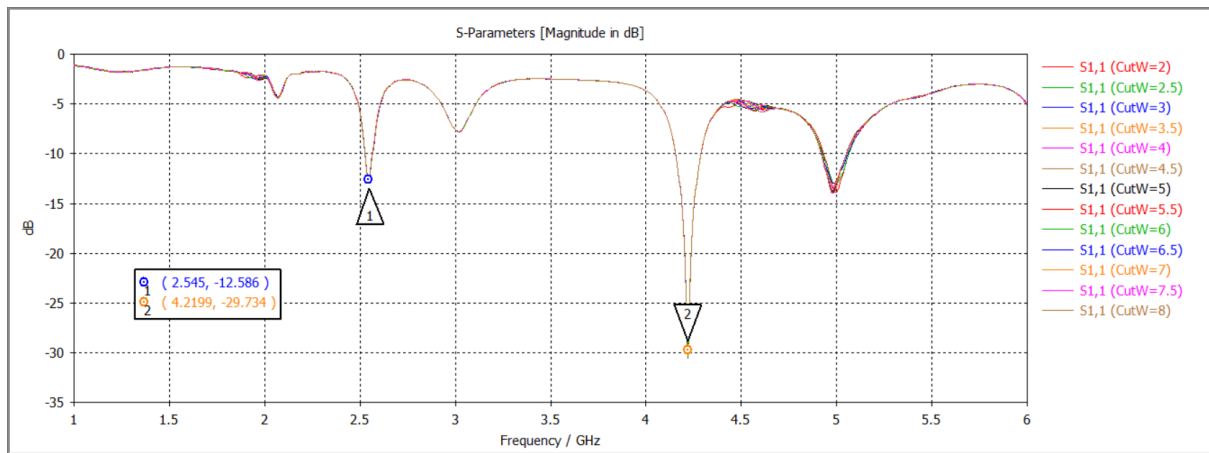
1X2 antenna array



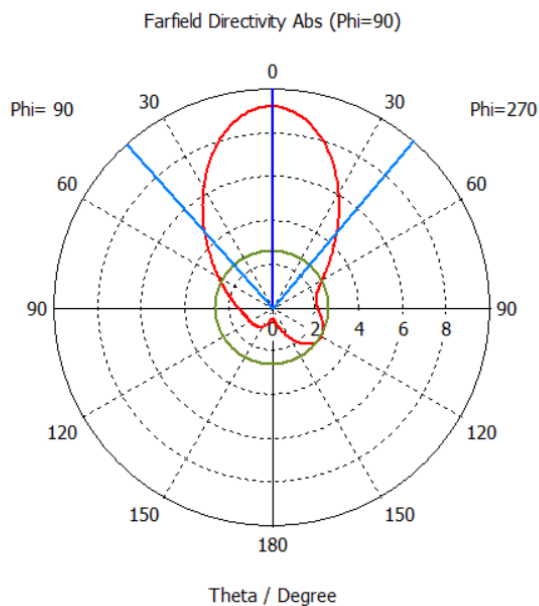
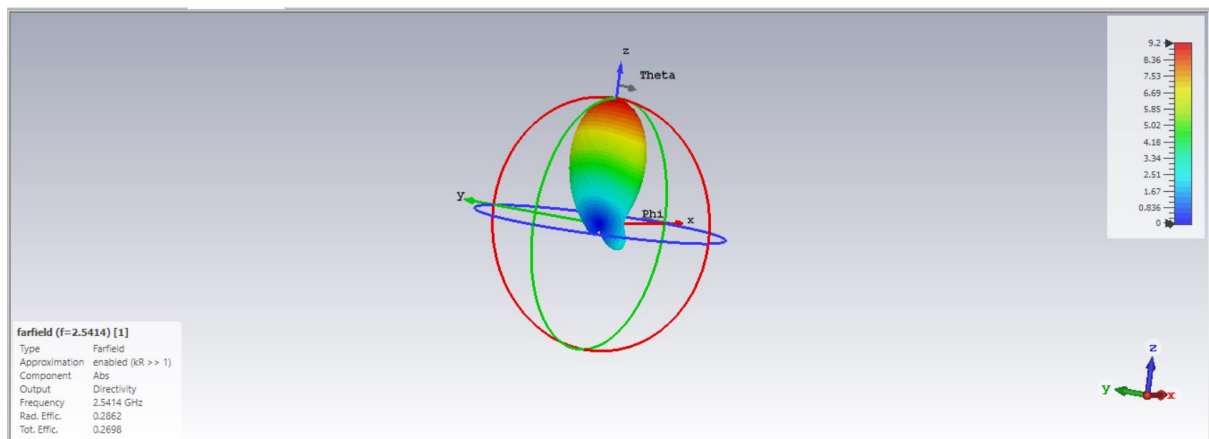


1X4 antenna array





At  $f = 2.5414\text{GHz}$



— farfield (f=2.5414) [1]

Frequency = 2.5414 GHz  
Main lobe magnitude = 9.2  
Main lobe direction = 0.0 deg.  
Angular width (3 dB) = 82.1 deg.  
Side lobe level = -5.5 dB

At  $f = 4.2211\text{GHz}$

