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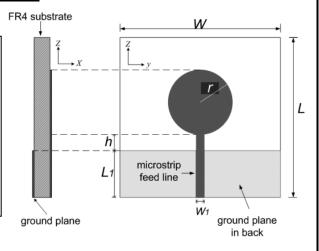
### Report4: Circular Disc Monopole Antenna for UWB Systems



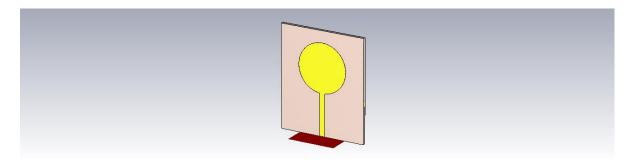
### **Given Dimensions**

The prototype of the proposed circular disc monopole antenna with optimal design: r.=10mm, h=0.3, W=42mm ,L=50mm and L1=20mm and as shown in the Figure.

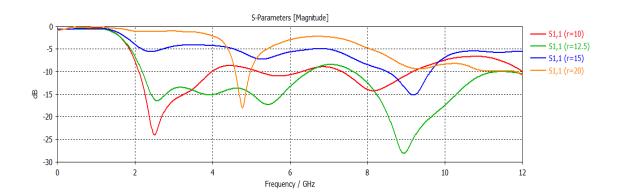
The FR4 substrate of thickness 1.5 mm and relative permittivity 4.7 was used.



# 1) Structure



### 2) <u>S-Parmeter</u>



## 3) Farfield (1D/3D)

