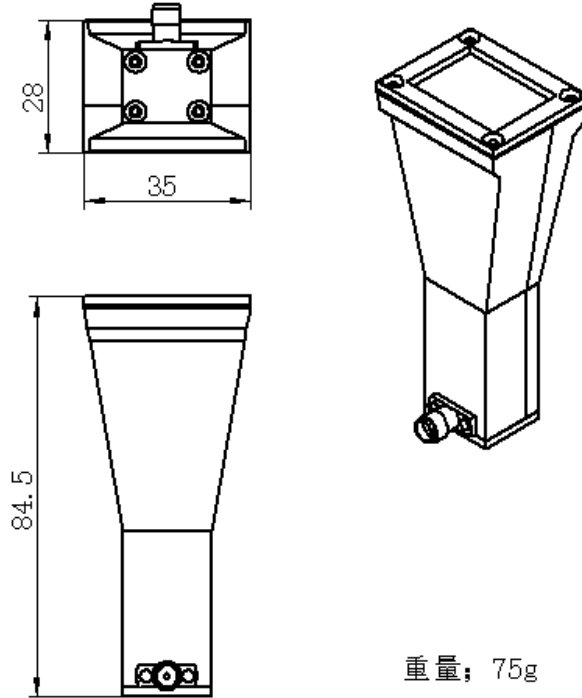


18-40GHz horn antenna

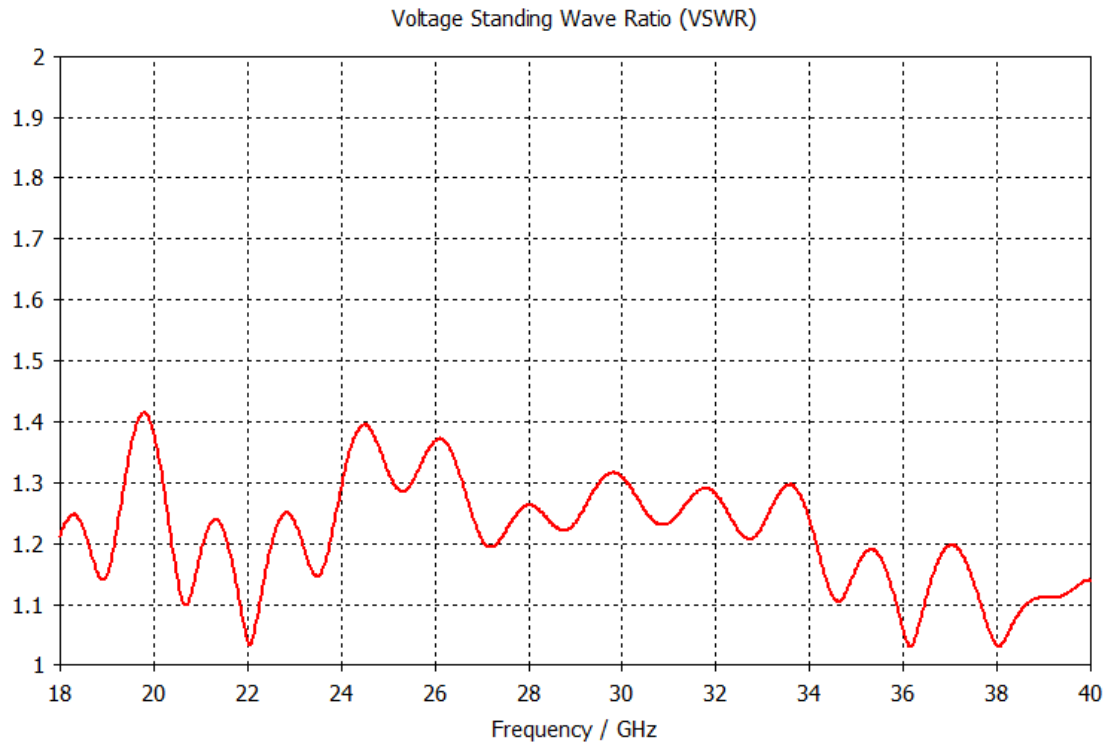
1 outline



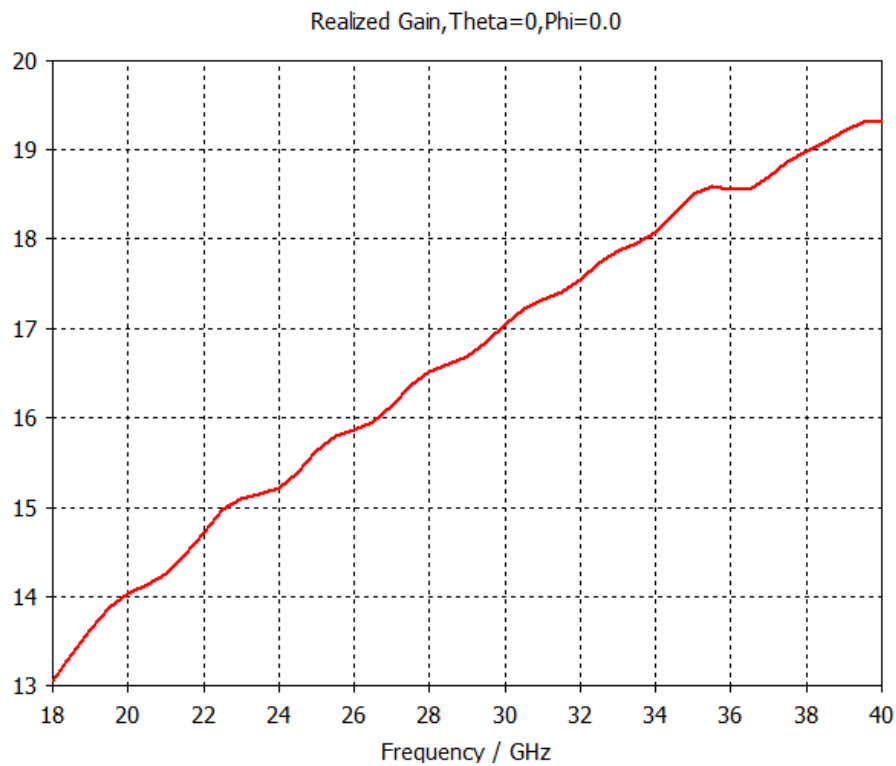
1: mm

Antenna Simulation

VSWR Simulation



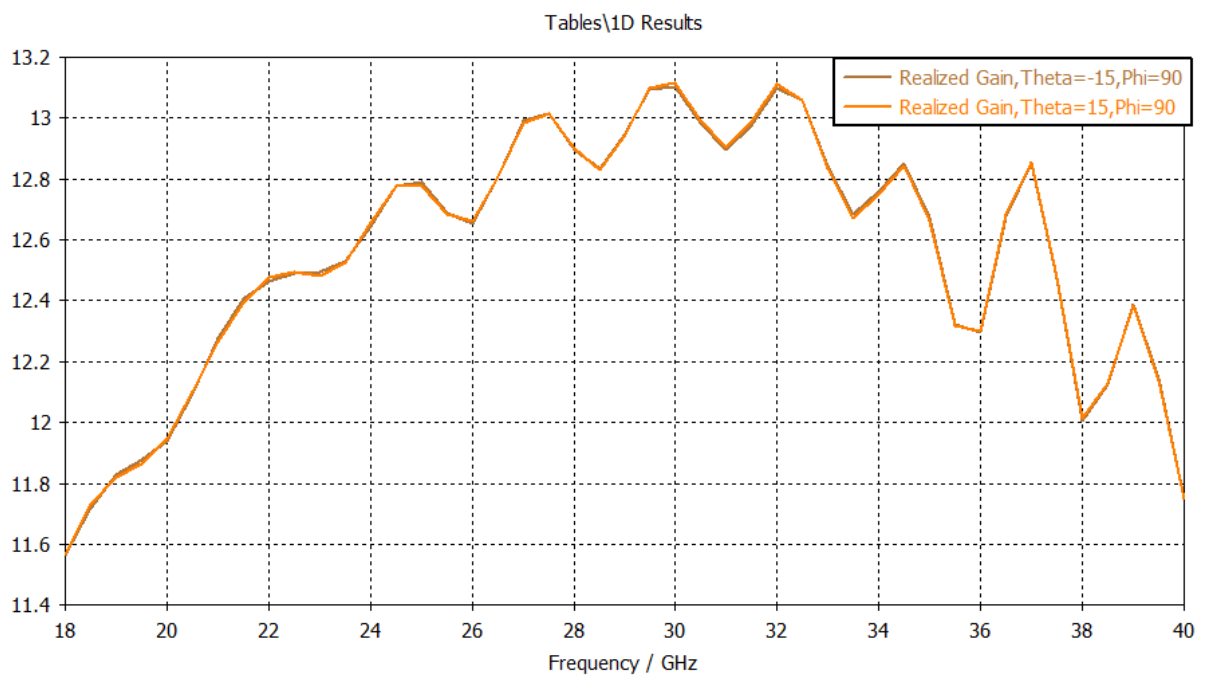
Gain Simulation



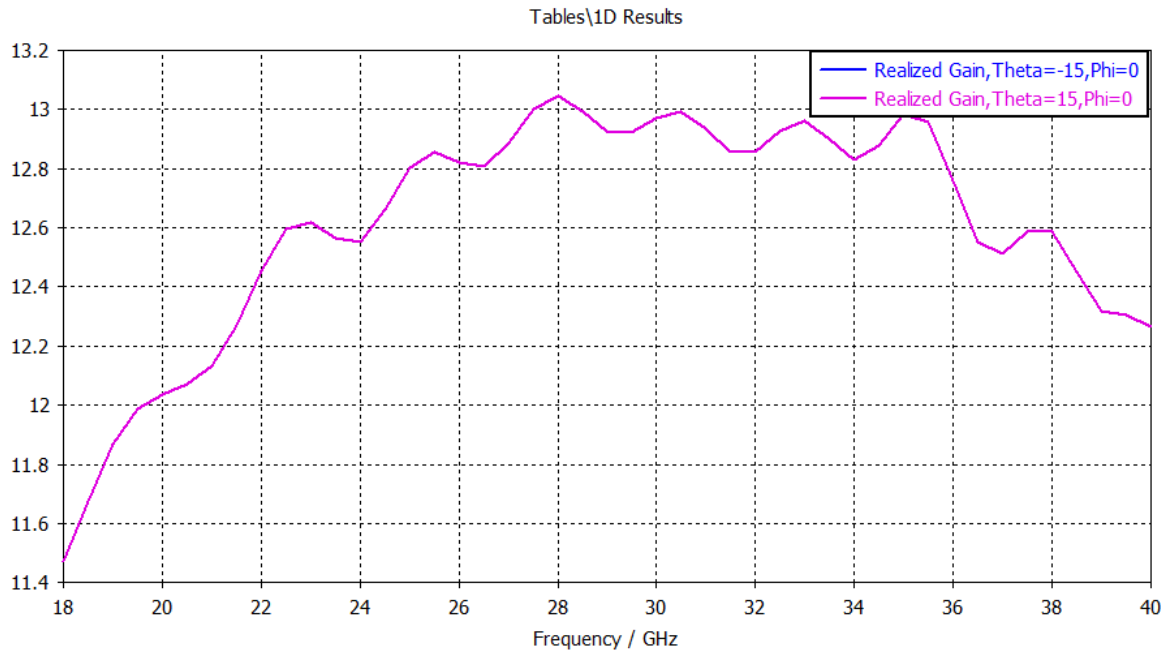
• Simulation of antenna edge gain

- The pitch plane is as follows

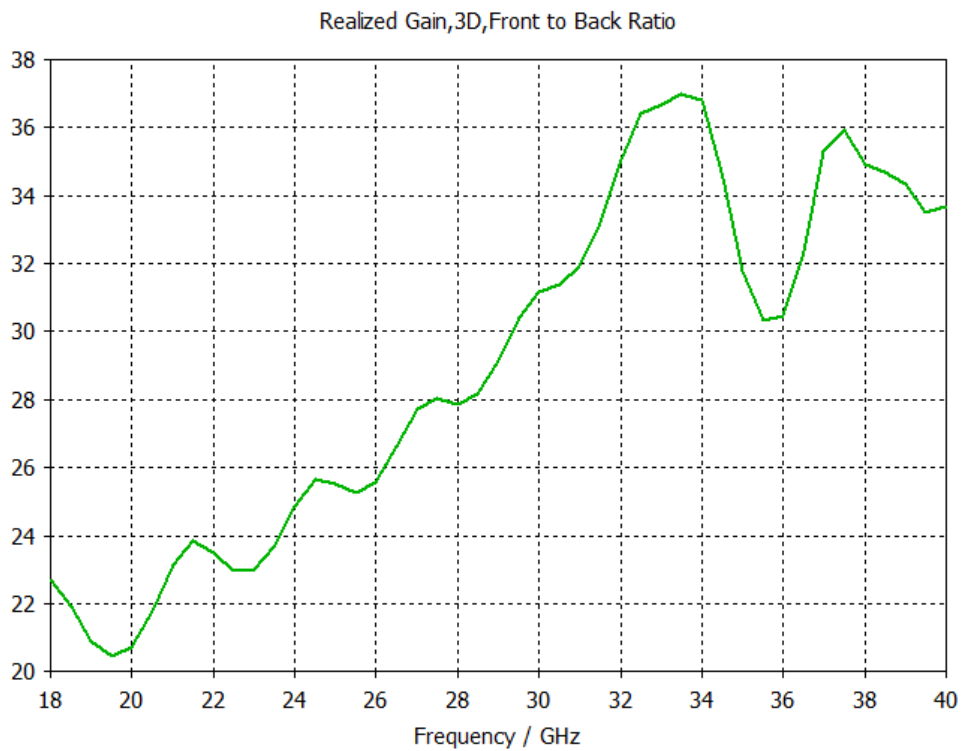
:



水平面如下：

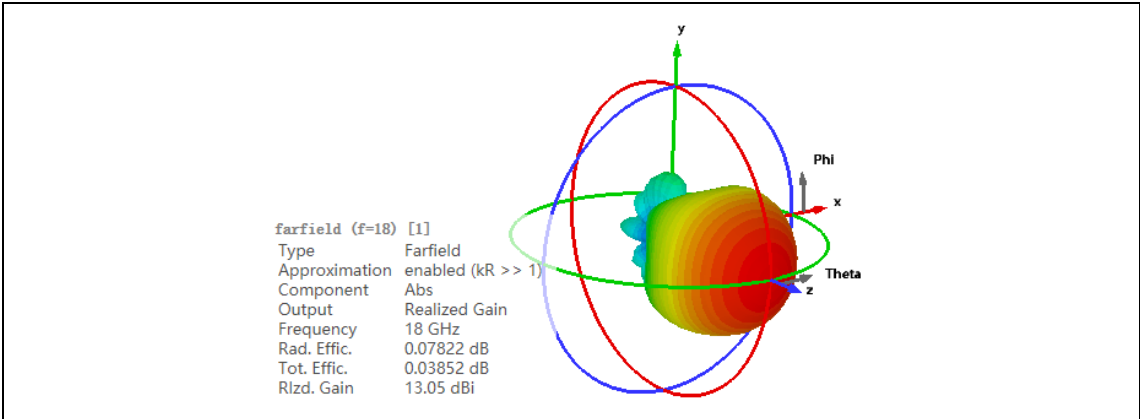


- Simulation of antenna front and rear ratio



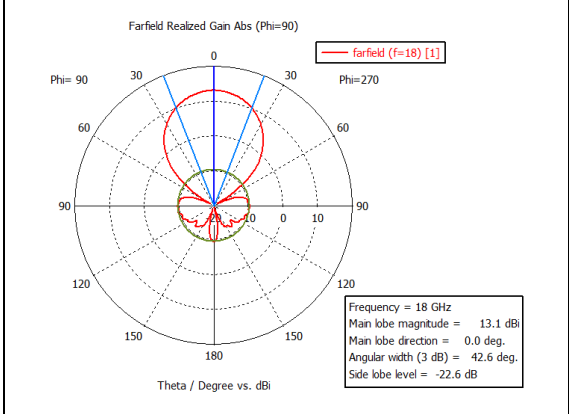
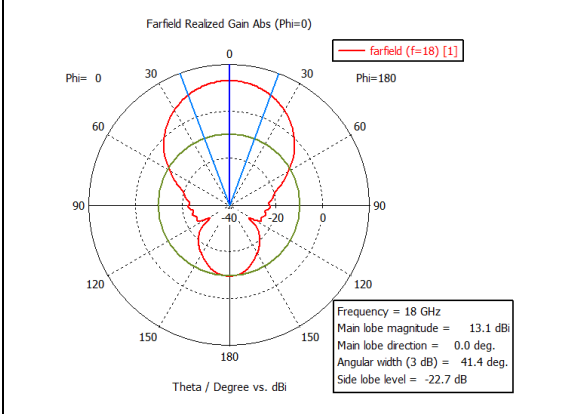
- Simulation of antenna pattern

18GHz

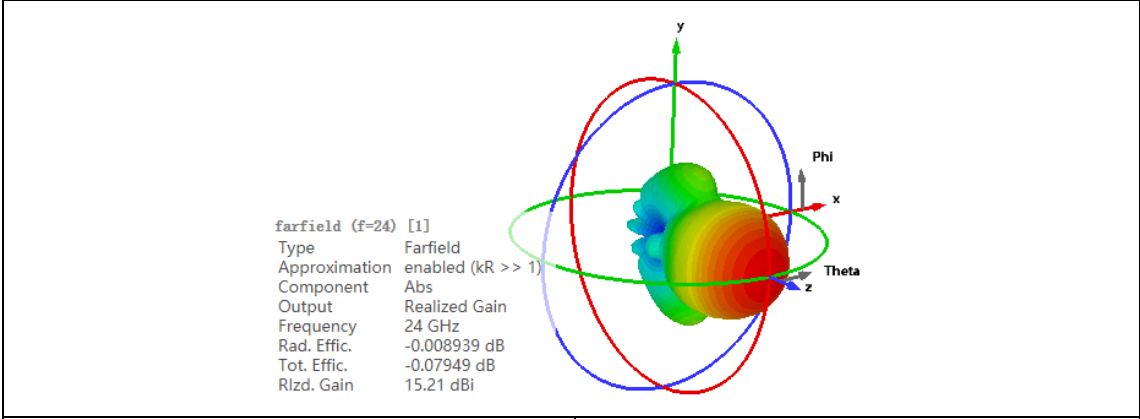


H 面

E 面

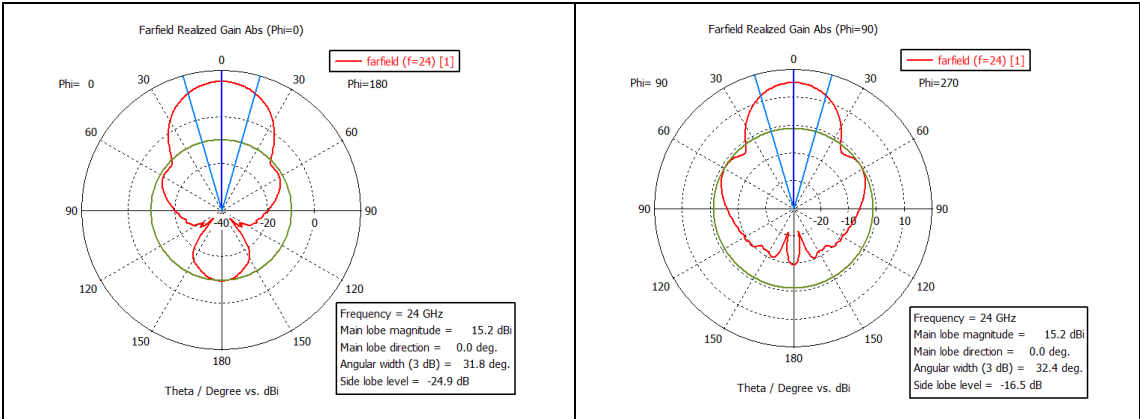


24GHz

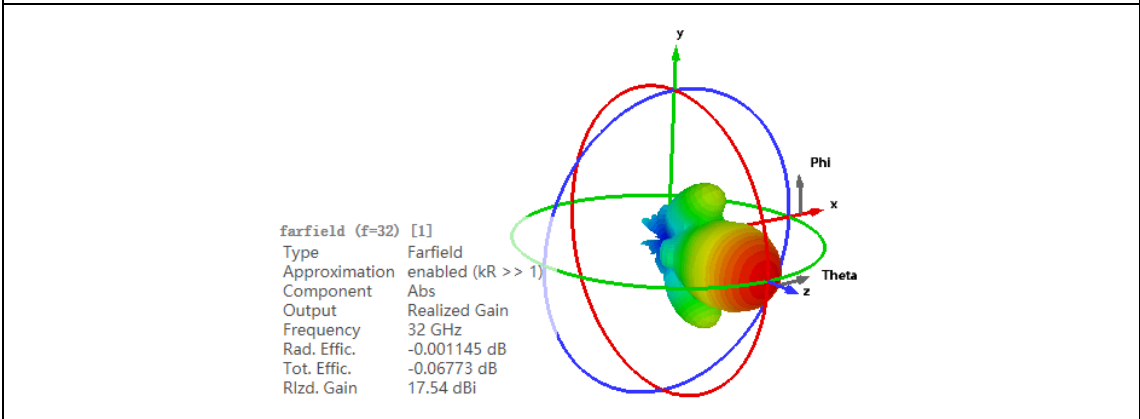


H 面

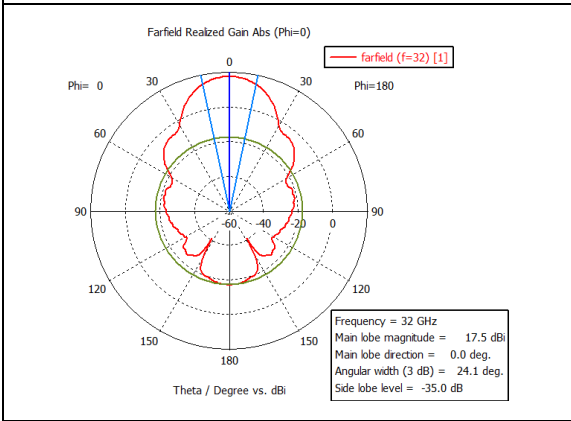
E 面



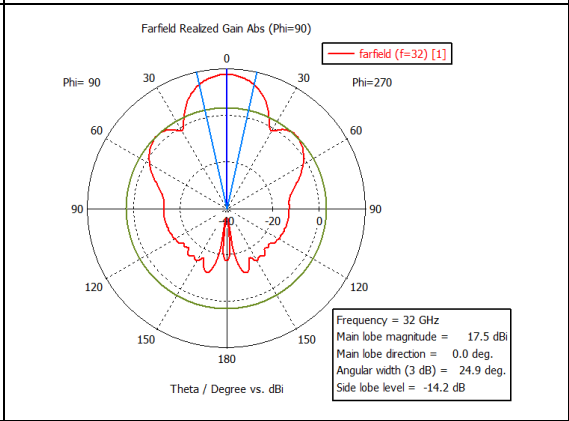
32GHz



H 面

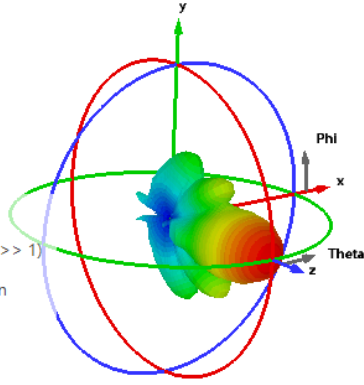


E 面

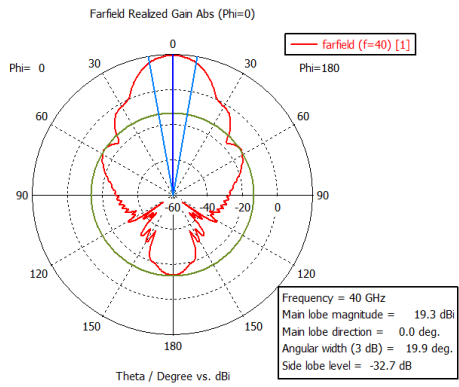


40GHz

farfield (f=40) [1]
 Type Farfield
 Approximation enabled (kR >> 1)
 Component Abs
 Output Realized Gain
 Frequency 40 GHz
 Rad. Effic. -0.02339 dB
 Tot. Effic. -0.04185 dB
 Rlzd. Gain 19.33 dBi



H 面



E 面

