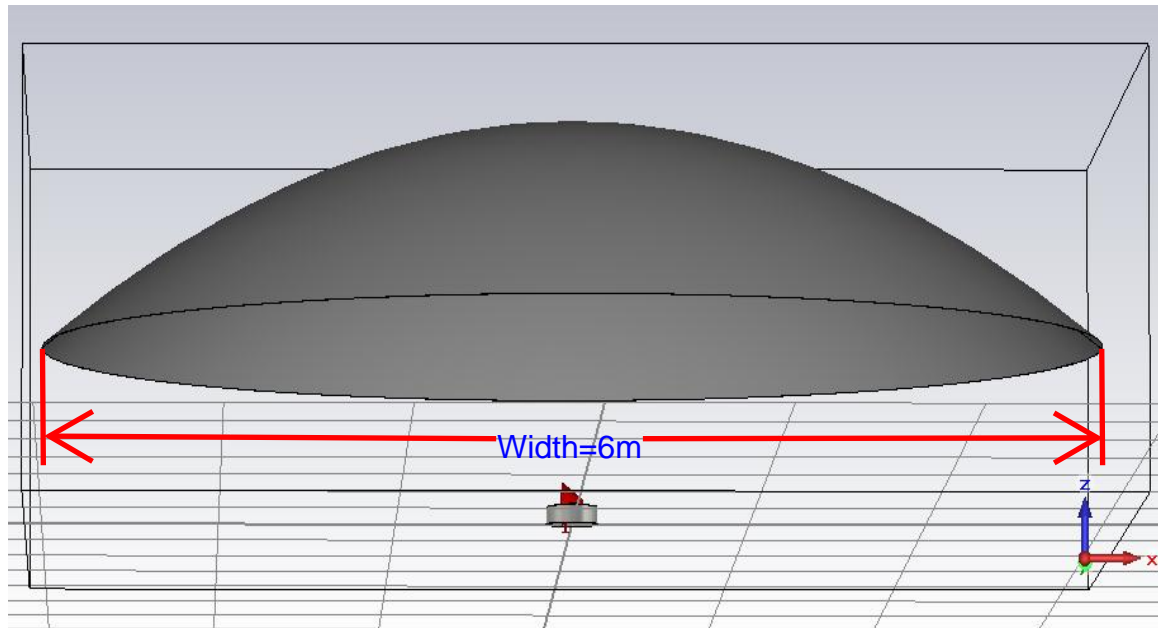


The parabolic antenna fed by CETC 54 feed:



In the CST Microwave Studio, the aperture of parabolic antenna is 6 meter, the performance of mode is analyzed and calculated as follows:

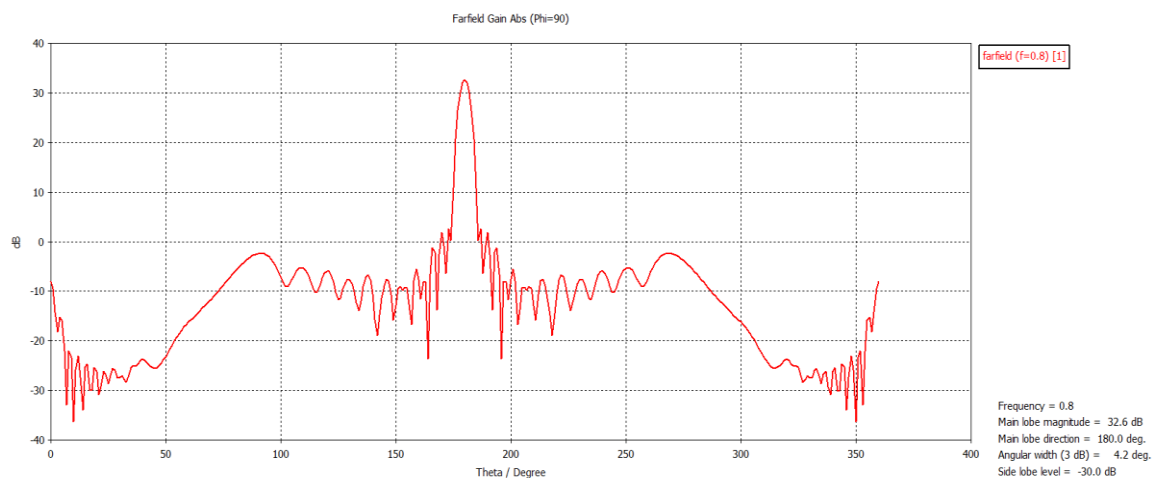
(1) Half-power beamwidth: 4.3° (x direction)

4.2° (y direction);

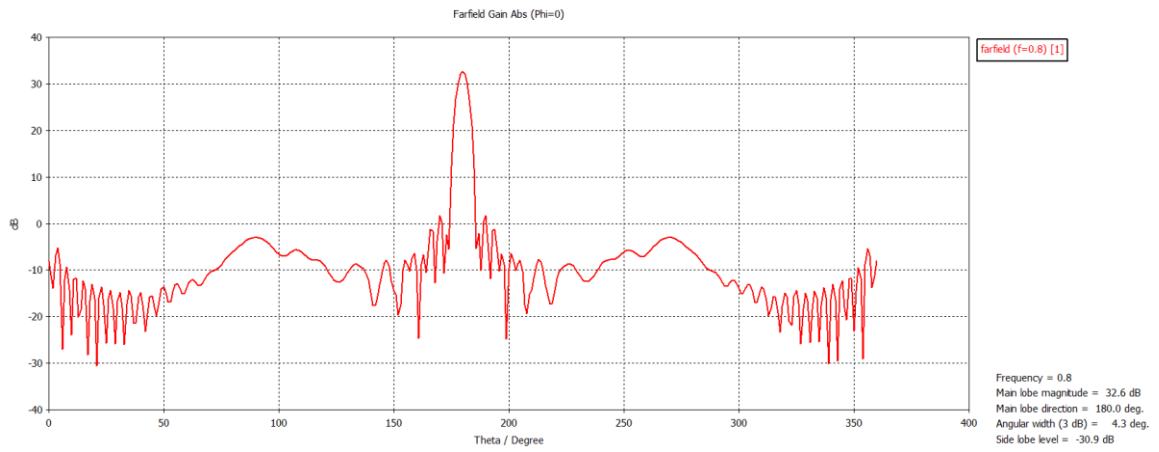
(2) Gain: 32.59dB

(3) The farfield pattern of the parabolic antenna (f=800MHz):

E_Plane:



H_Plane:



EH_Polar_Plane:

