

Inputs

Frequency (GHz)

2.27

-

+

Dielectric constant ϵ_r

4.30

-

+

Substrate thickness h (mm)

1.60

-

+

Patch length L (mm) [optional]

0.00

-

+

Patch width W (mm) [optional]

0.00

-

+

Loss tangent $\tan\delta$

0.02

-

+

Metal

copper

v

Metal thickness (μm)

35.00

-

+

Run analytical simulation

Install `meep` via `conda-forge`
to enable FDTD (optional).

Patch Antenna Simulator

Design & performance

 L (mm)

31.45

 W (mm)

40.51

Directivity peak (dBi)

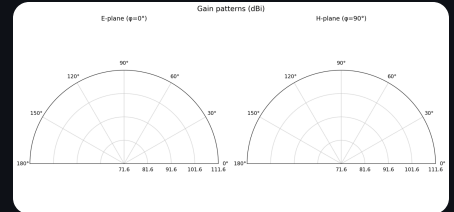
112.73

Gain peak (dBi)

112.13

Estimated efficiency

87.1%



3D radiation surface (normalized)
semi-transparent lobe + reference sphere

