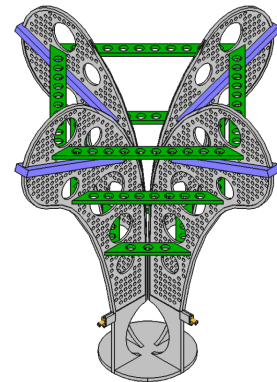


# Open Boundary Quad Ridged Antenna

ELL-A3D-DP-003006000800-01

## Description

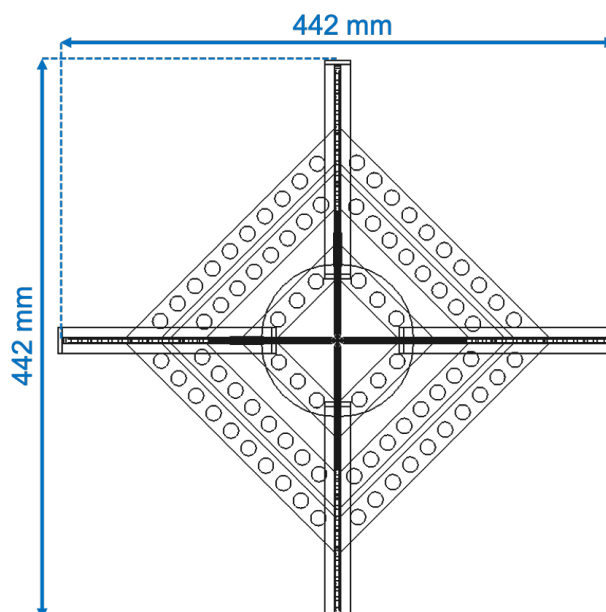
This open boundary quad ridged antenna operates at frequency from 0.3 GHz to 6 GHz. The gain goes from 1.5 dBi at 0.3 GHz to 11 dBi at 6 GHz. This ultra-wide band antenna as the particularity to be extremely light and small regarding to its lowest operating frequency.



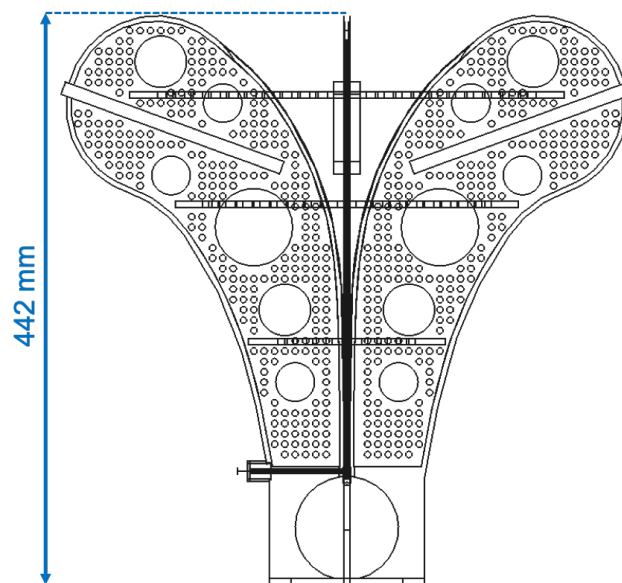
## Technical specifications

Frequency (GHz)	0.3 – 6 GHz
Simulated Gain (dBi)	8 Typ.
Connector	SMA-F
Size (mm)	442 x 442 x 442
Weight	~1100 g

## Dimensional Drawing

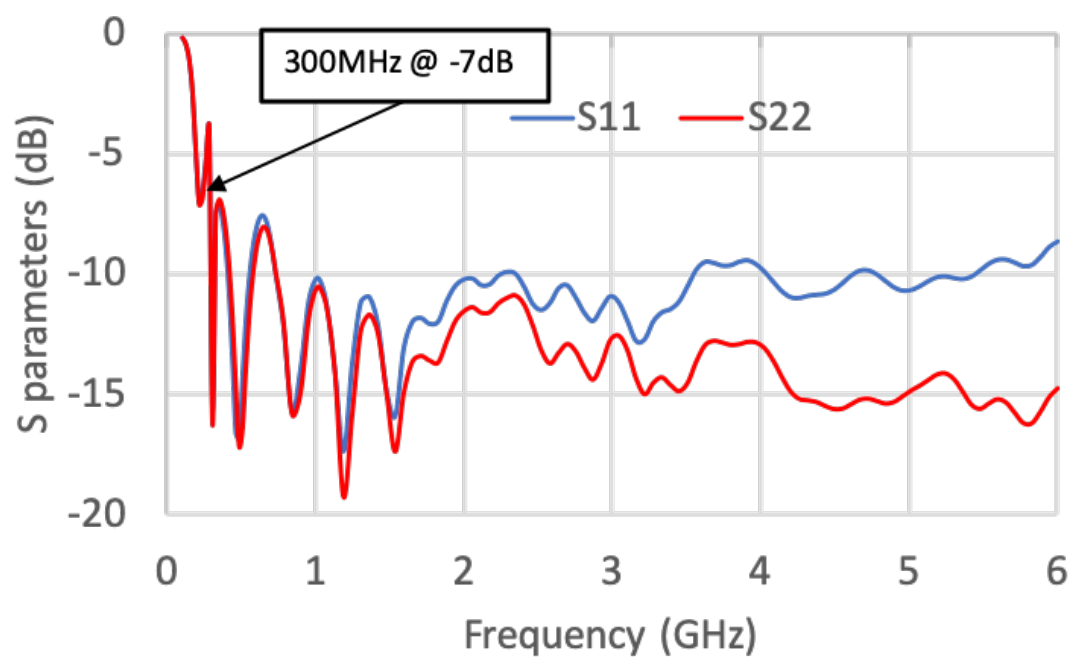


## Open Boundary Quad Ridged Antenna



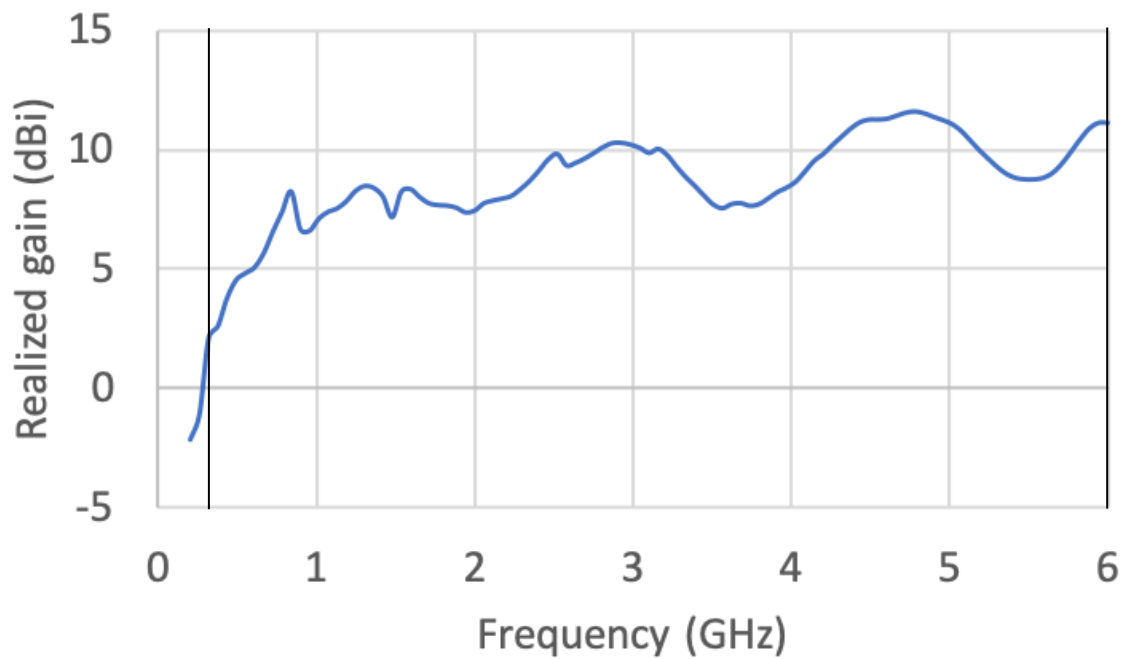
## Simulation results

### 1. S11 & S22

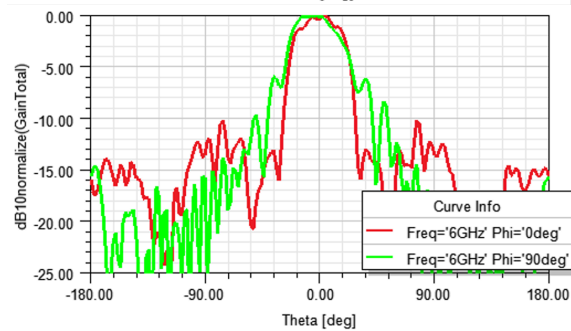
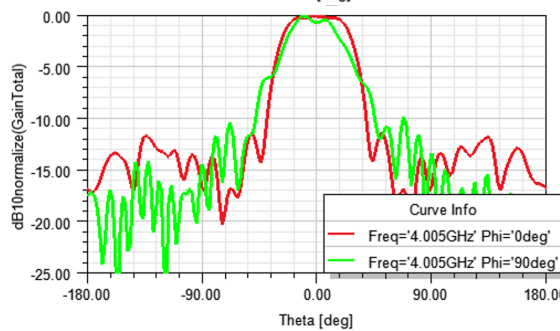
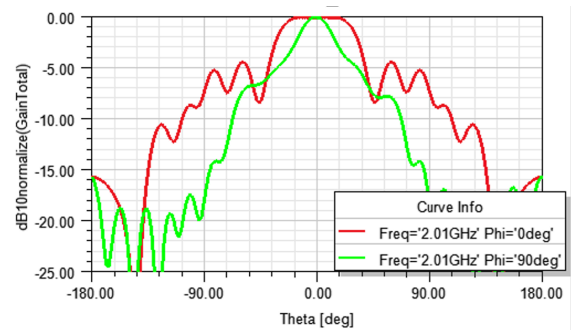
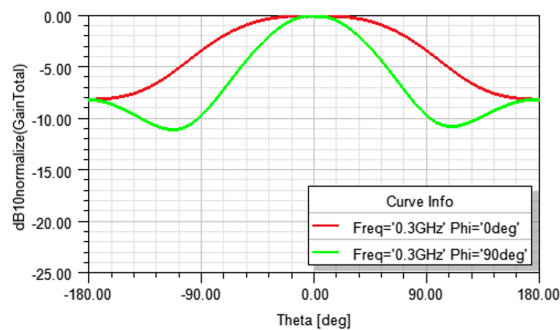


# Open Boundary Quad Ridged Antenna

**2.Gain** ELL-A3D-DP-003006000800-01



## 3. Radiation pattern (Horizontal polarization)



## Open Boundary Quad Ridged Antenna

## 4. Radiation pattern (Vertical polarization)

