

Description

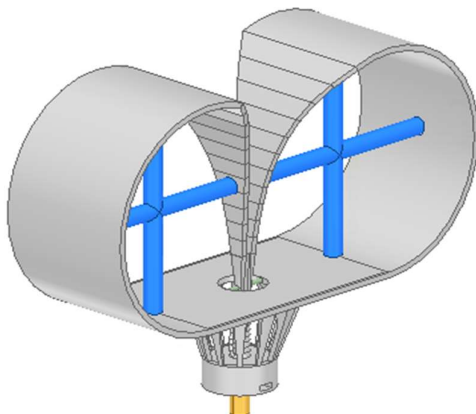
This antenna operates for a frequency from 0.68 GHz to 40 GHz. It offers a typical value of 0 up to 12 dB gain. The particularity of this antenna is its lightness. Indeed, this antenna is lighter than a machining one due to the realization by a 3D printer.



Technical specifications

Frequency(GHz)	0.68-40++
Simulated Gain(dBi)	0 - 12
VSWR max	2.1
Connector	SMA-F
Size (mm)	158 mm x 113 mm x 50 mm
Weight	100g

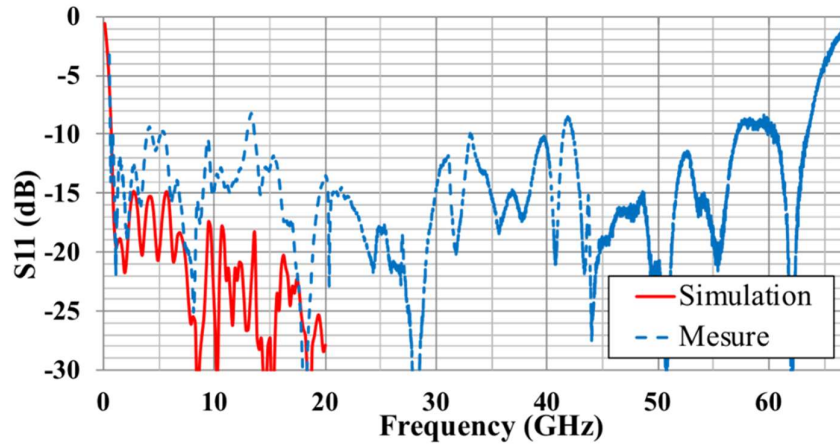
Design



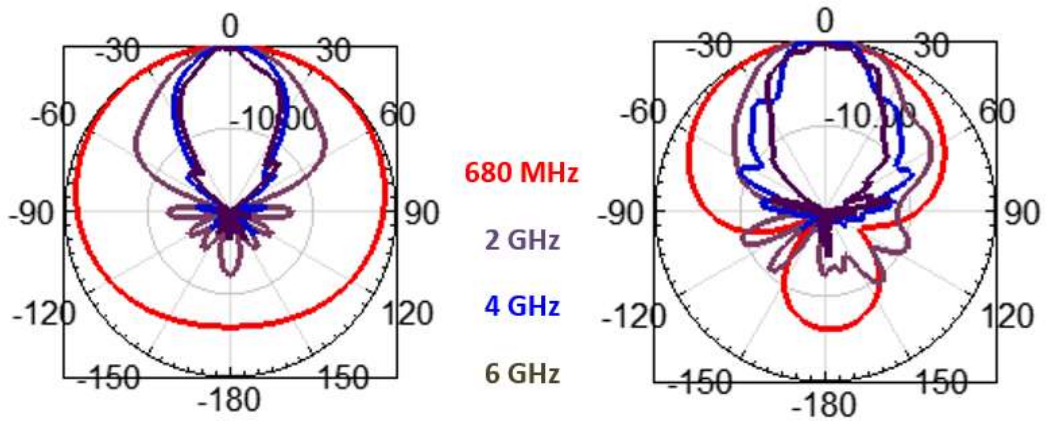
Antenna 0.68-40 GHz++

Simulation results

1. Return Loss (EM Simulation and measurement)



2. Radiation Pattern



3. Gain versus Frequency

