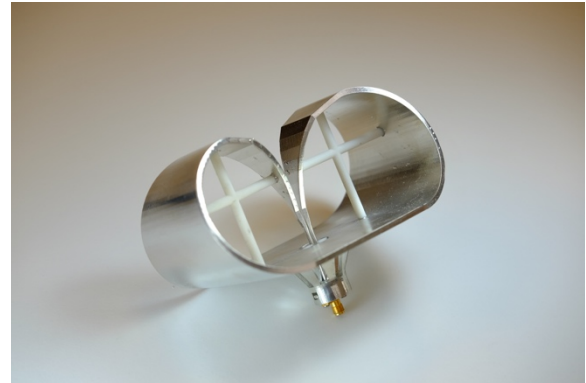


Antenna 0.9-40 GHz 12 dB Gain

Description

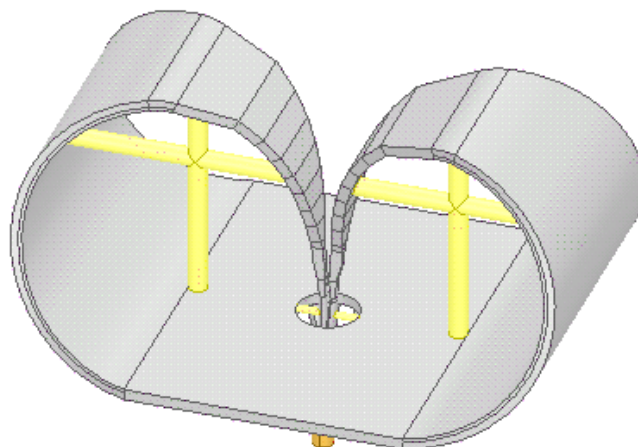
This Horn antenna operates for a frequency from 0.9 GHz to 40 GHz. It offers a typical value of 12 dB gain. The particularity of this antenna is its lightness. Indeed, this antenna is lighter than a machining one due to the realization by a 3D printer.



Technical specifications

Frequency(GHz)	0.9-40
Simulated Gain(dB)	11 Typ.
VSWR max	2.0
Connector	SMA-F
Size (mm)	146x106x105
Weight	200g

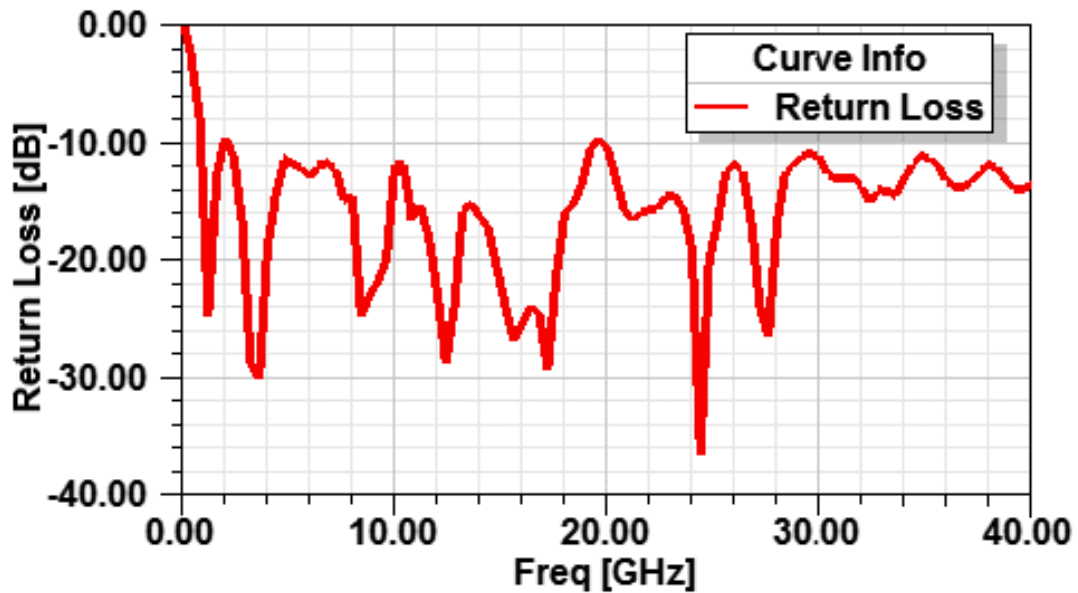
Design



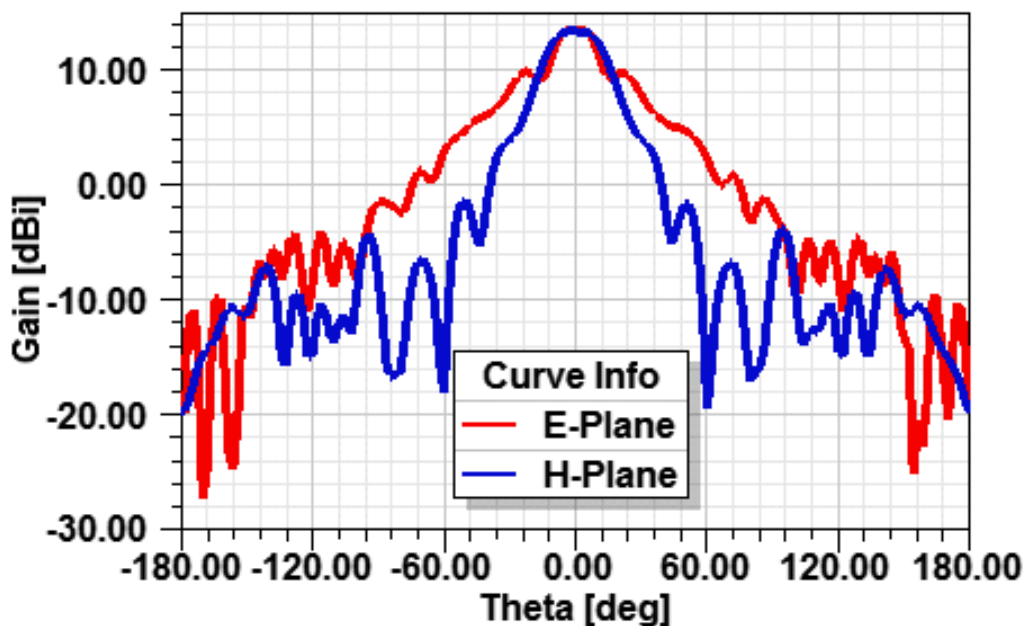
Antenna 0.9-40 GHz 12 dB Gain

Simulation results

1. Return Loss



2. Radiation Pattern (20GHz)



3. Gain versus Frequency

