

Antenna 15-22 GHz 20 dB Gain

ELL-A3D-SP-150022002000-03

Description

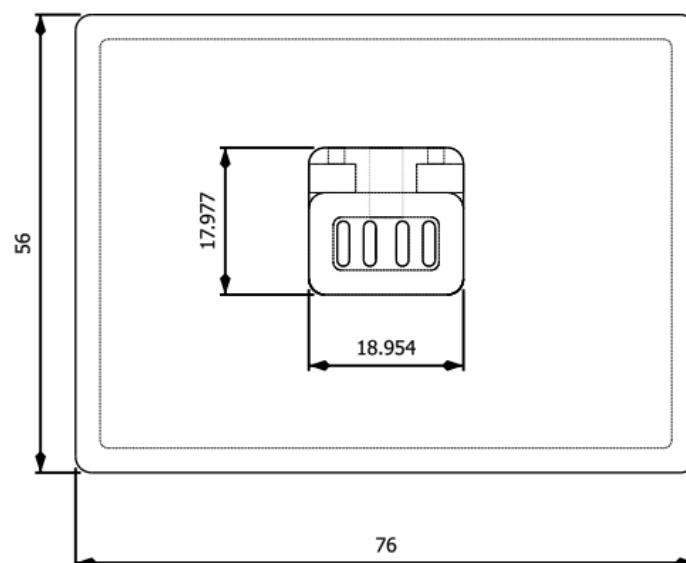
This Horn antenna operates for a frequency from 15 GHz to 22 GHz. It offers a typical value of 20 dB gain. The particularity of this antenna is its lightness. Indeed, this antenna is lighter than a machining one due to the realization by a 3D printer.



Technical specifications

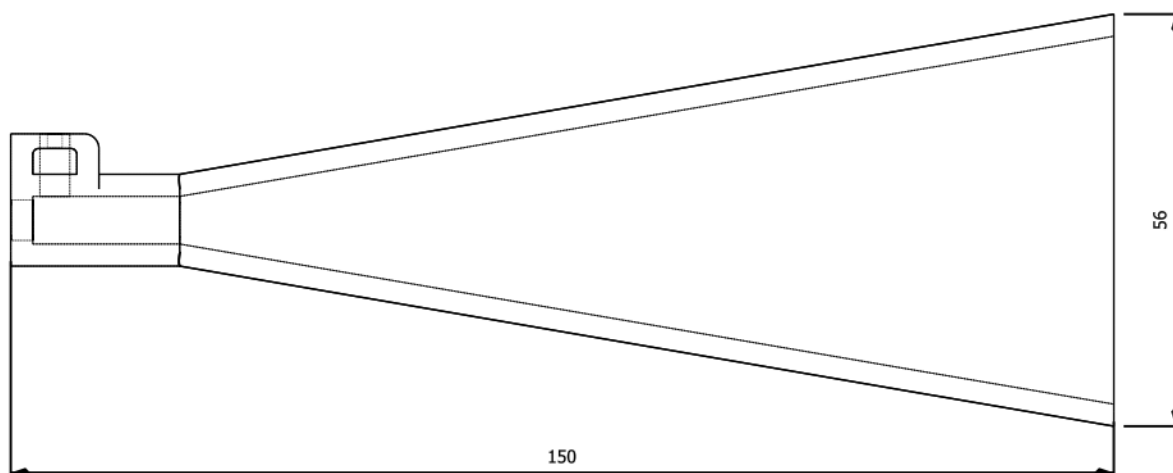
| | |
|---------------------|-----------|
| Frequency (GHz) | 15-22 |
| Simulated Gain (dB) | 20 Typ. |
| VSWR max | 1.55 |
| Connector | SMA-F |
| Waveguide | WR51 |
| Size (mm) | 76*56*150 |
| Weight | 81 g |

Dimensional Drawing



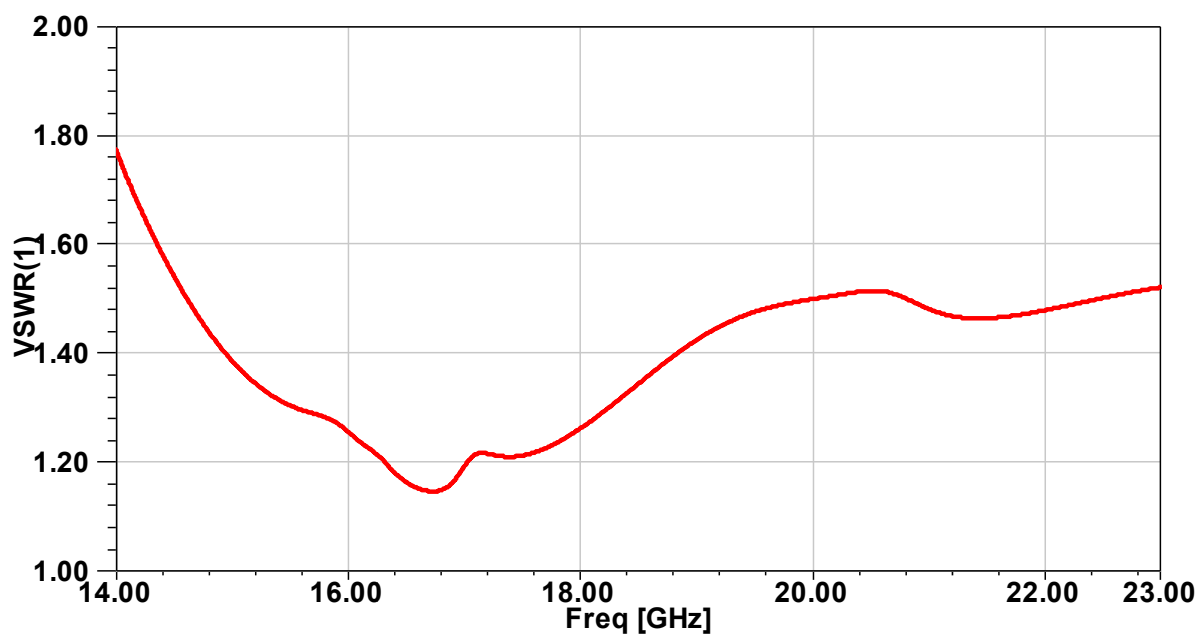
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Simulation results

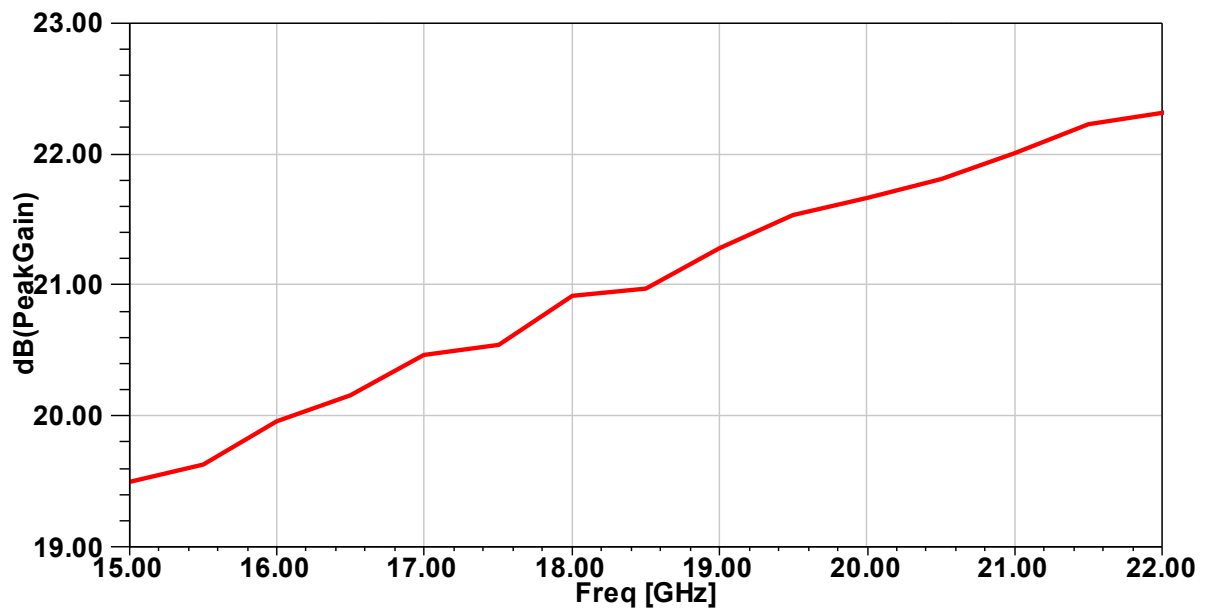
1.VSWR



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2.Gain



Measurement results (Reflection coefficient)

