

*Lens Horn Antenna*  
*35dBi Typ. Gain, 18-26.5 GHz Frequency Range*

## Lens Horn Antenna Data

## RM-LHA42-35

### Description

lens horn antenna RM-LHA42-35 is a linear polarization, operating from 18 to 26.5 GHz with a 35 dB Typ. Gain and low VSWR 1.2:1, with rectangular waveguide WR42 output. The antenna is ideally suited for antenna measurement, material measurement, system intergration and other applications.

### Specifications

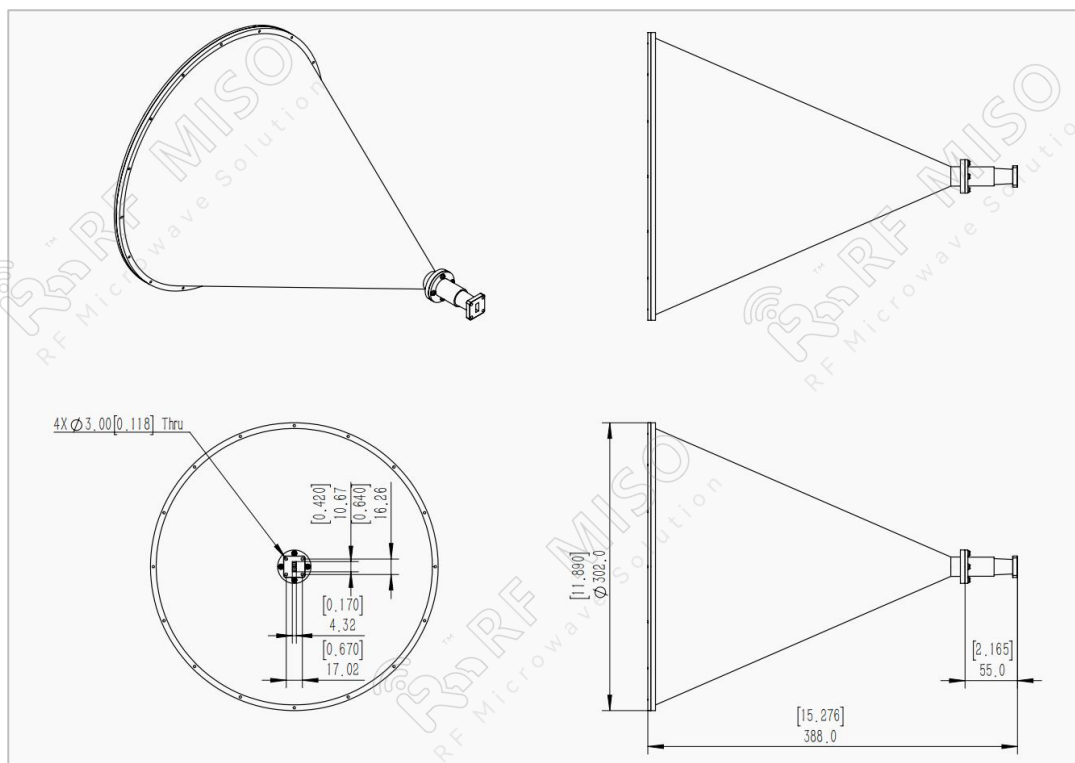
| RM-LHA42-35     |                  |       |
|-----------------|------------------|-------|
| Parameters      | Typical          | Units |
| Frequency Range | 18-26.5          | GHz   |
| Gain            | 35 Typ.          | dBi   |
| VSWR            | 1.2 Typ.         |       |
| Polarization    | Linear-polarized |       |
| Waveguide Size  | WR42             |       |
| Body Material   | Al               |       |
| Size(L*W*H)     | 388*Ø302         | mm    |
| Weight          | 5.767            | kg    |

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**Outline Drawing**

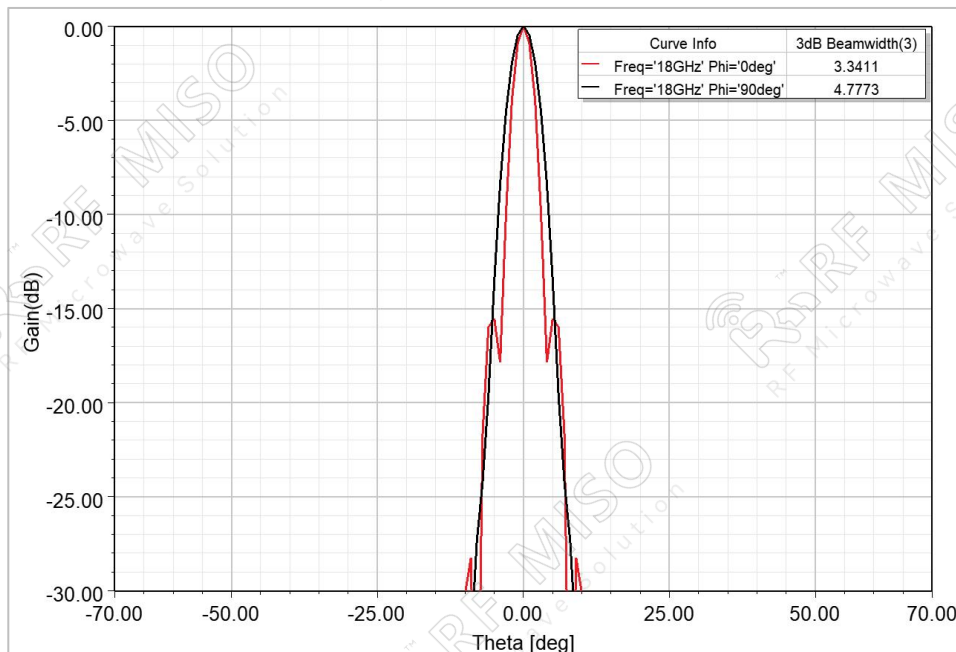
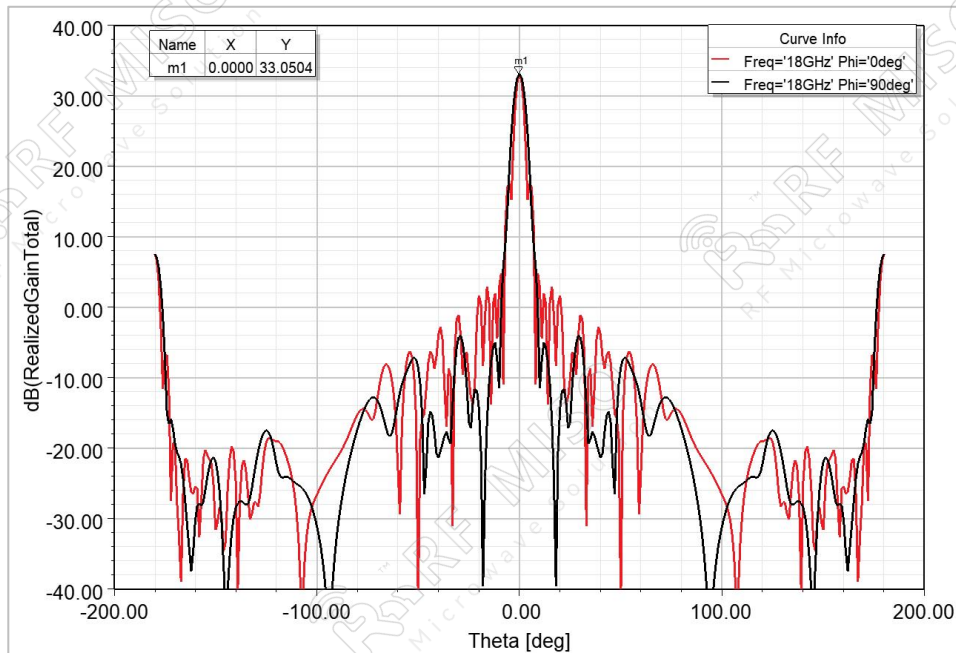


## Simulation Data

### Pattern

E-Plane (0 deg), H-Plane (90 deg):

18GHz:

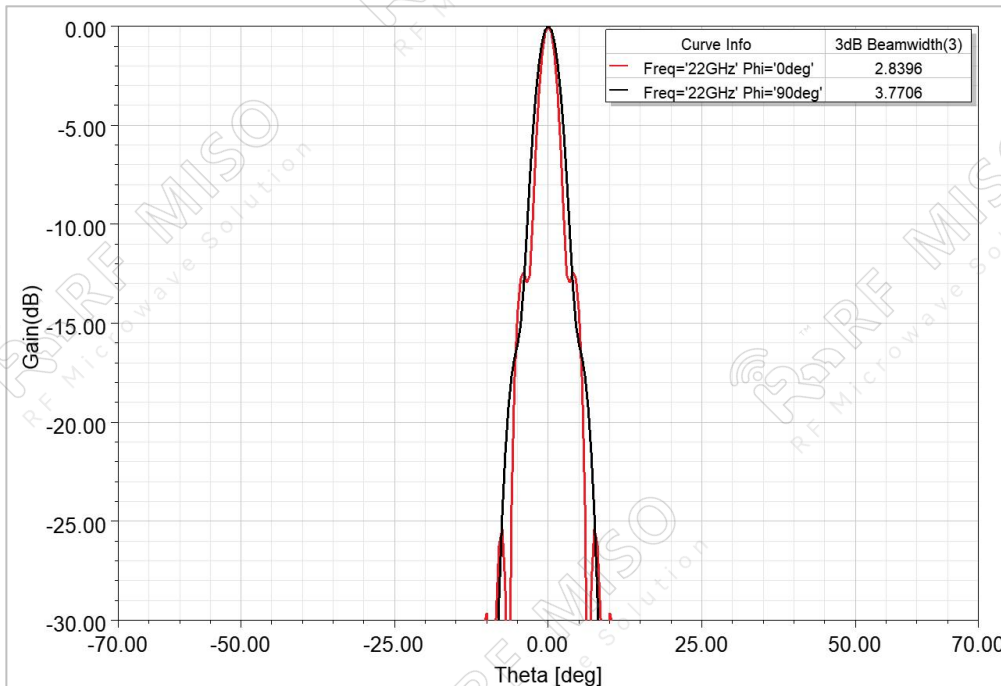
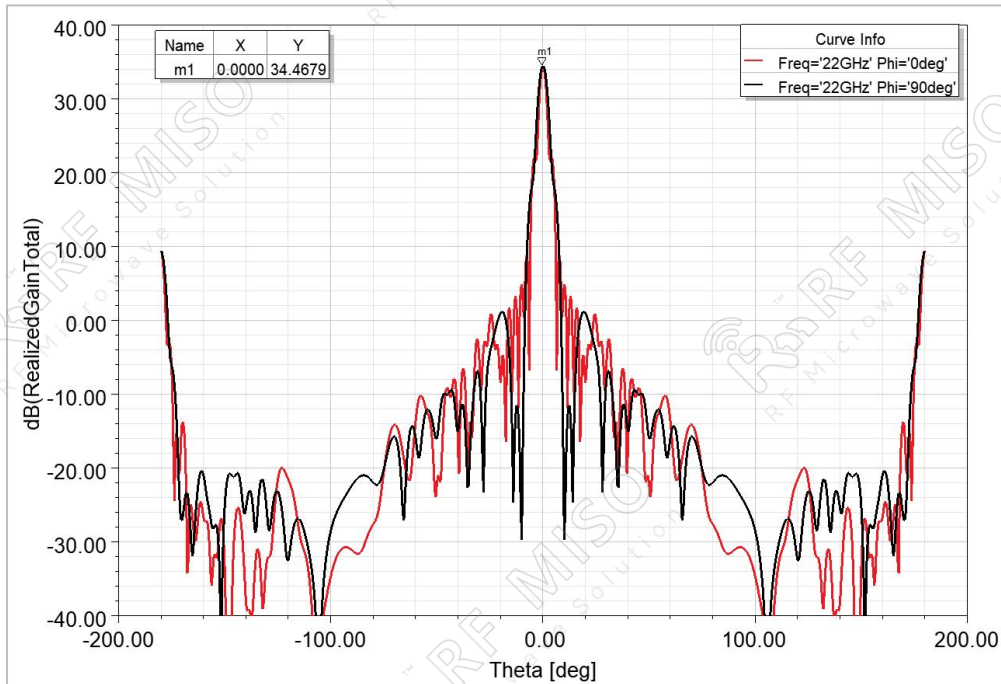


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22GHz:



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26GHz:

