

Standard Gain Horn Antenna  
15dBi Typ. Gain, 0.95-1.45 GHz Frequency Range

## Standard Gain Horn Antenna Data Sheet

**RM-SGHA770-15**

### Features

- Wave-guide Interface
- Low Side-lobe
- Linear Polarization
- High Return Loss

### Descriptions

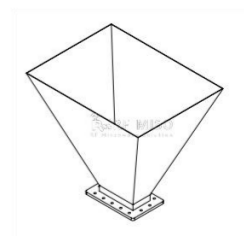
RF MISO's **Model RM-SGHA770-15** is a linear polarized standard gain horn antenna that operates from 0.95 to 1.45 GHz. The antenna offers a typical gain of 15 dBi and low VSWR 1.2:1. This antenna has flange input and coaxial input. Please contact RF Miso for details.

### Specifications

| Parameters              | Specification          |                  | Unit |
|-------------------------|------------------------|------------------|------|
| Frequency Range         | 0.95-1.45              |                  | GHz  |
| Wave-guide              | WR770                  |                  |      |
| Gain                    | 15 Typ.                |                  | dBi  |
| VSWR                    | 1.2 Typ.               |                  |      |
| Polarization            | Linear                 |                  |      |
| 3 dB Beamwidth, E-Plane | 26.6° Typ.             |                  |      |
| 3 dB Beamwidth, H-Plane | 26.6° Typ.             |                  |      |
| Interface               | FDP12(F Type)          | N-Female(C Type) |      |
| Material                | Al                     |                  |      |
| Finishing               | Paint                  |                  |      |
| Size, C Type (L*W*H)    | 821.4*664.0*505.0 (±5) |                  | mm   |
| Weight                  | 5.905(F Type)          | 10.220(C Type)   | kg   |
| C Type Average Power    | 300                    |                  | w    |
| C Type Peak Power       | 500                    |                  | w    |

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**RM-SGHA770-15**[illegible]



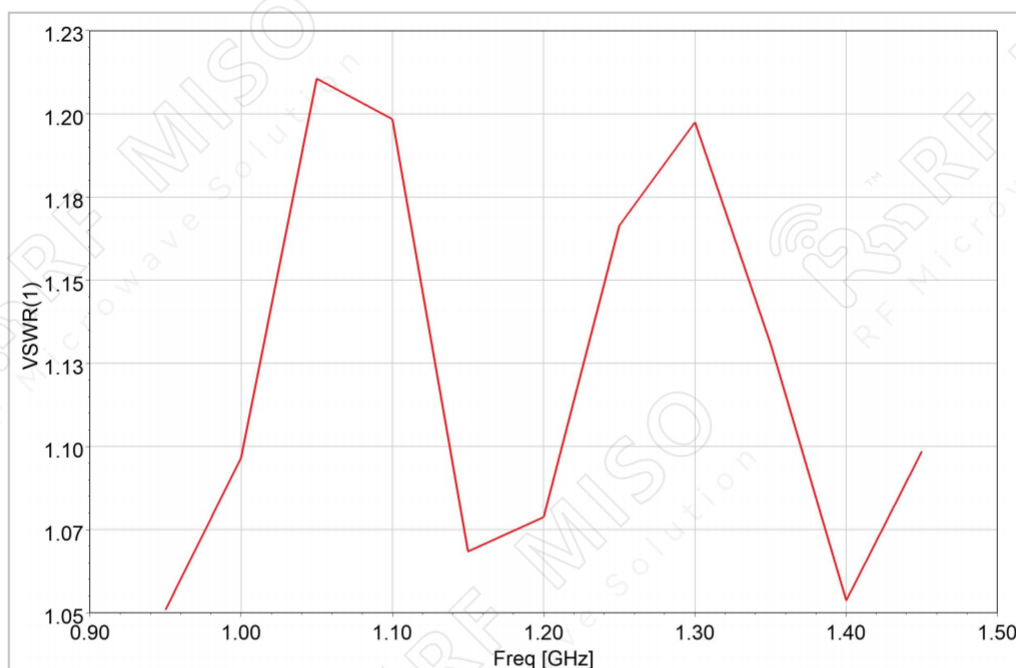
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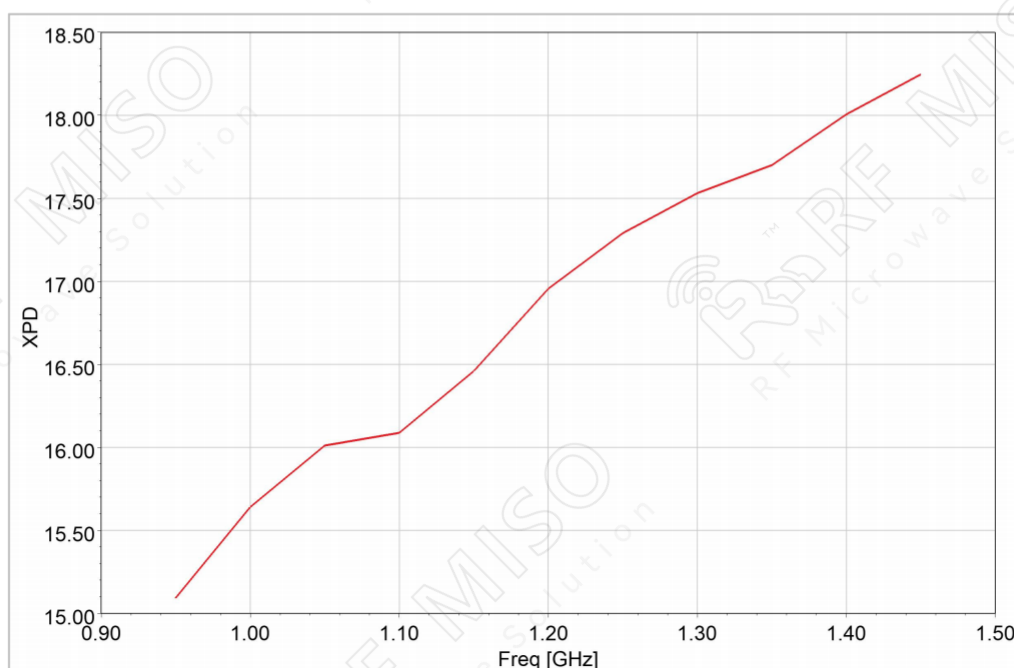
**RM-SGHA770-15**

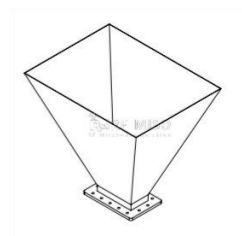
### Simulation Data

**VSWR**



**Gain**



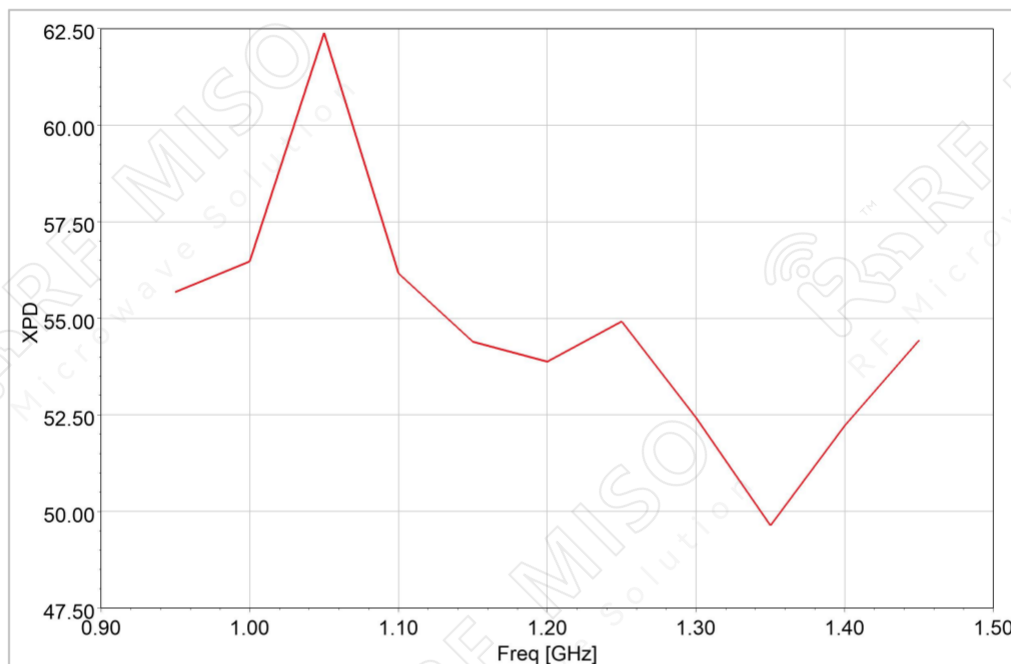


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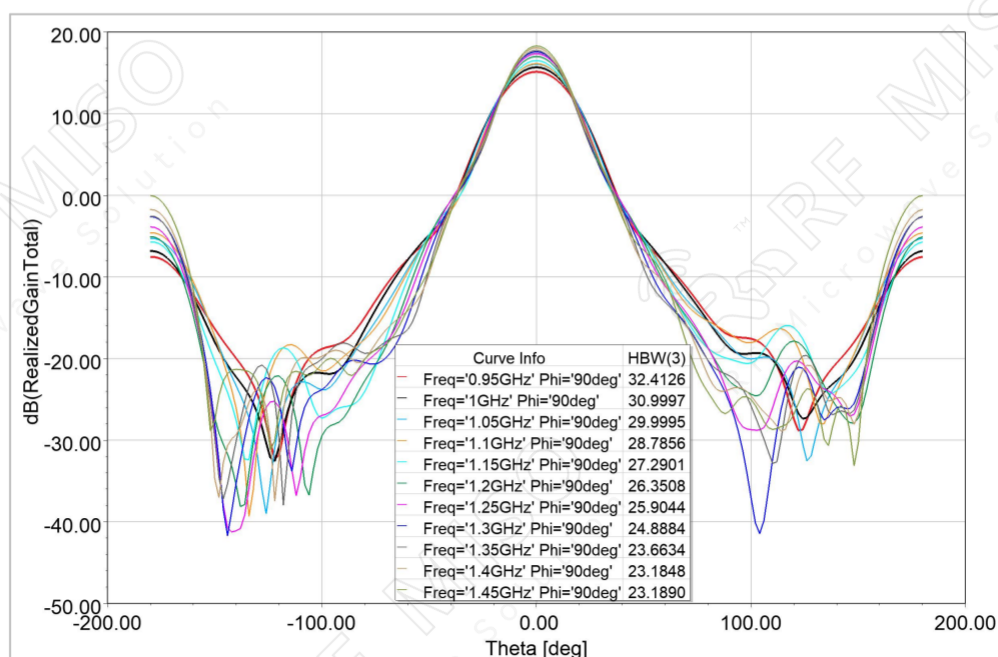
**RM-SGHA770-15**

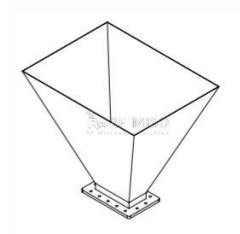
XPD



Gain Pattern

H-Plane





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### E-Plane

