



*Broadband Dual Polarized Horn Antenna  
15dBi Typ.Gain, 1-30 GHz Frequency Range*

## Broadband Dual Polarized Horn Antenna Data

**RM-BDPHA130-15**

### Features

- Full Band Performance
- Dual Polarization
- High Isolation
- Weight Reduction Design

### Description

The **RM-BDPHA130-15** is a full-band, dual-polarized horn antenna assembly that operates in the frequency range of 1 to 30 GHz. The antenna offers a typical gain of 15 dBi and low VSWR 1.5 Typ. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

### Specifications

| <b>RM-BDPHA130-15</b>  |                  |       |
|------------------------|------------------|-------|
| Item                   | Specification    | Units |
| Frequency Range        | 1-30             | GHz   |
| Gain                   | 15 Typ.          | dBi   |
| VSWR                   | 1.5 Typ.         |       |
| Polarization           | Dual             |       |
| Cross Pol. Isolation   | 35 Typ.          | dB    |
| 3dB Beamwidth, E-Plane | 6.43~81.61       | °     |
| 3dB Beamwidth, H-Plane | 5.47~141.69      | °     |
| Connector              | 3.5mm-Female     |       |
| Size(L*W*H)            | Ø177.8*172.5(±5) | mm    |
| Weight                 | 1.037            | Kg    |
| Material and Finish    | Al, Paint        |       |
| Power Handling, CW     | 50               | W     |
| Power Handling, Peak   | 100              | W     |

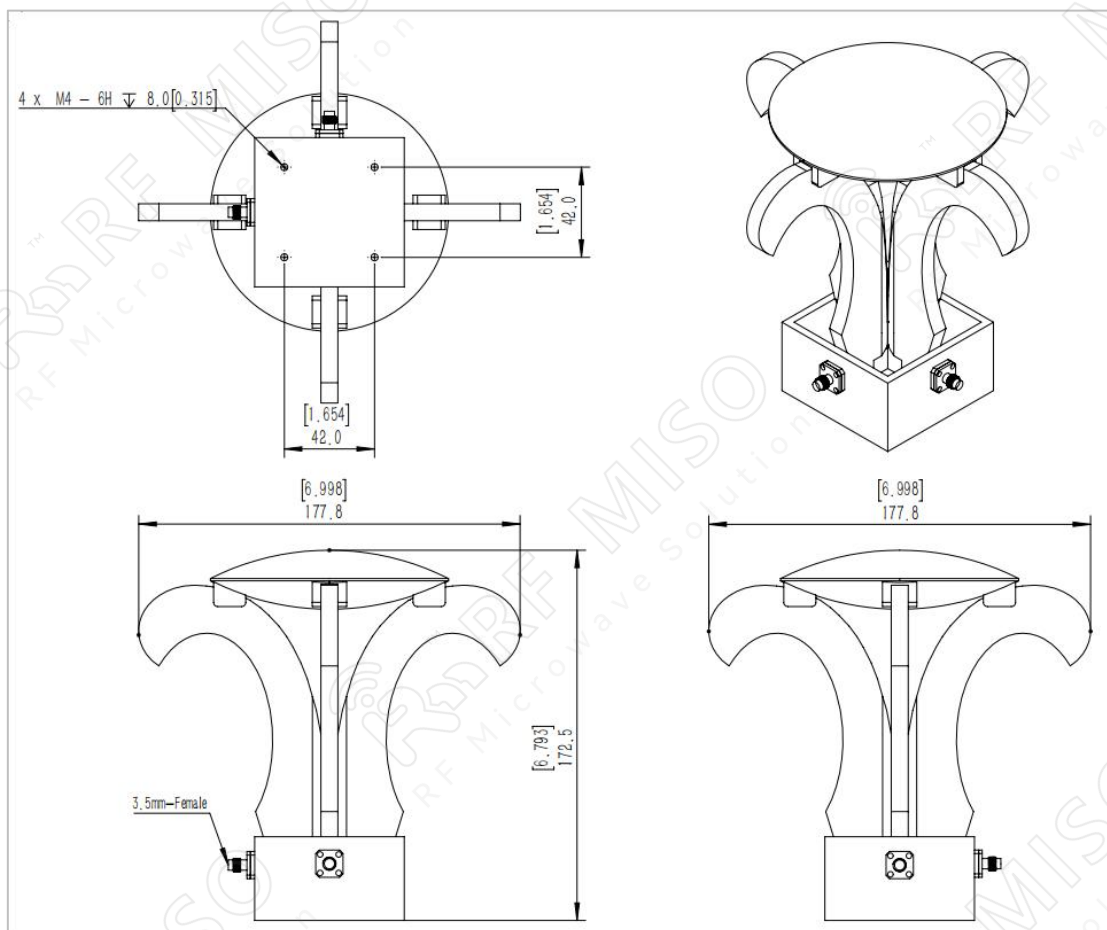


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### Outline Drawing





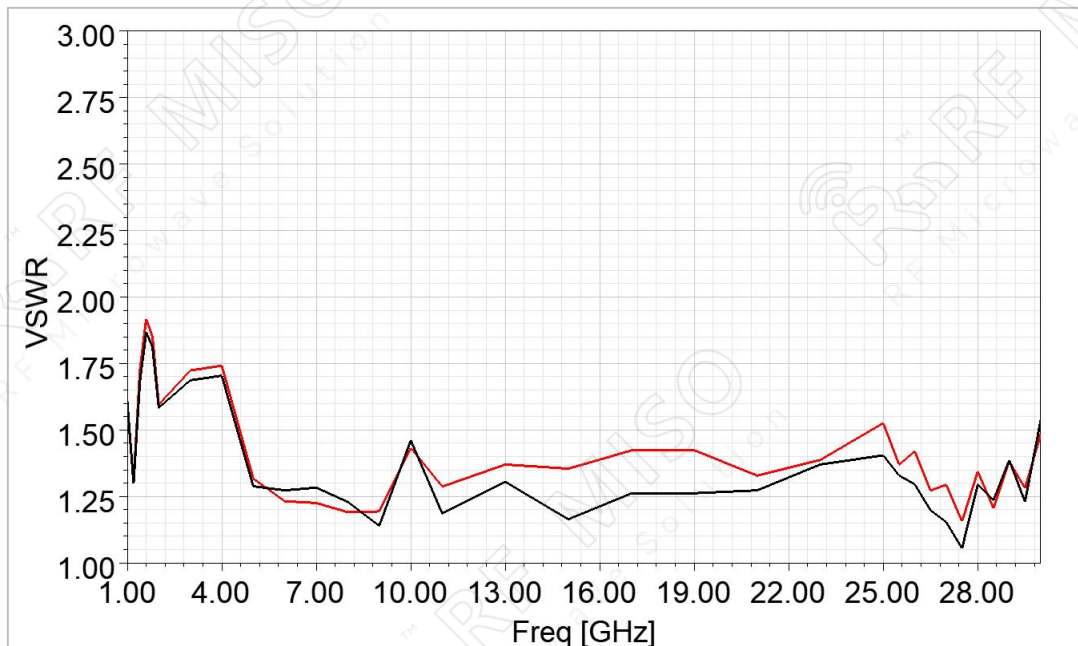
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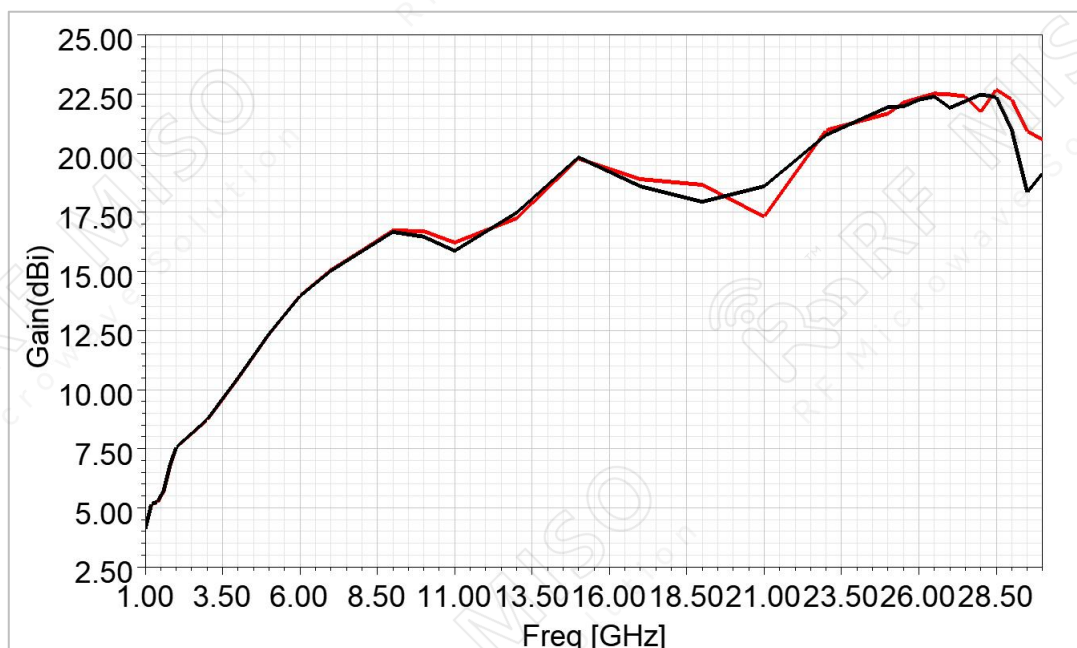
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### Simulated Data

VSWR



Gain





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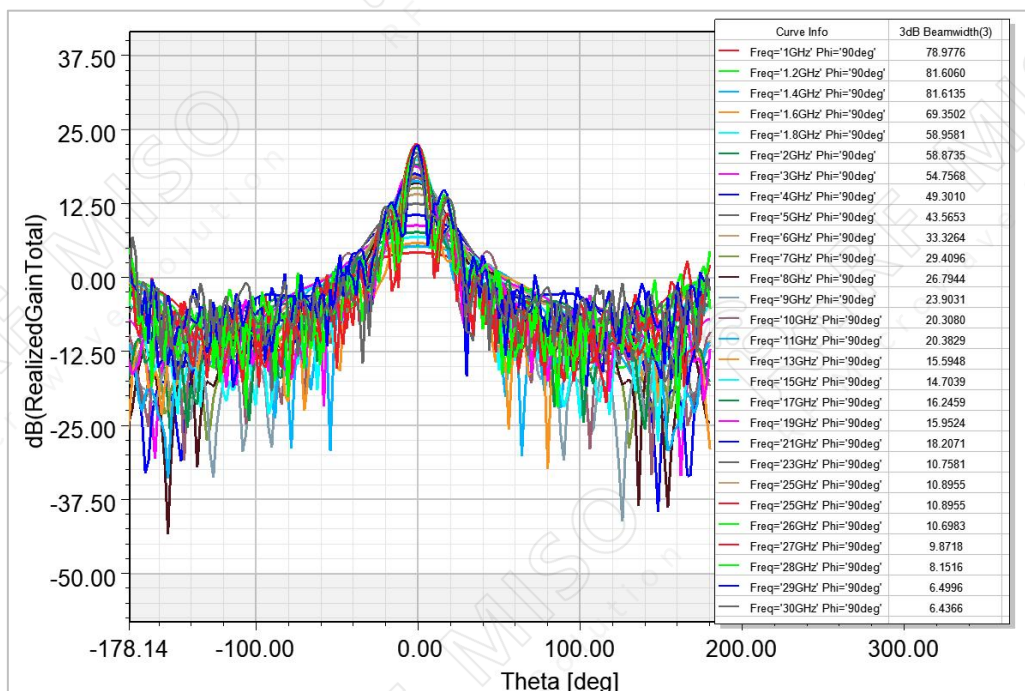
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Cross Pol. Isolation



3dB Beamwidth

E-Plane





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H-Plane

