

Broadband Horn Antenna, Dual Polarized 6 GHz to 18 GHz 17 dBi Gain, 2.92mm Female Connector

The FMWAN1173 dual polarized broadband horn antenna (also known as a quad ridge horn antenna) from Fairview Microwave is part of our comprehensive selection of broadband antennas. This conical quad-ridge waveguide horn features dual SMA Female coaxial connector and operates from 6 GHz to 18 GHz.

Our FMWAN1173 dual polarized broadband horn antenna has a nominal gain of 17 dBi with a typical input VSWR of 1.5:1. Fairview Microwave's broadband horns are available with gain values from 6 to 21 dBi with varying frequency ranges to suit the application needs.

Quad ridge horn antennas, such as the FMWAN1173 are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our broadband antennas are part of over 40,000 RF, microwave, and millimeter wave components from Fairview Microwave available worldwide and ship same day.

Configuration

| | |
|---------------------|---------------------|
| Pattern | Directional |
| Polarization | Dual Linear |
| Antenna Design Type | Broadband Gain Horn |
| RF Connector | 2.92mm Female |

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-----------------|-----|-------|-----|-------|
| Frequency Range | 6 | | 18 | GHz |
| Gain | | 17 | | dBi |
| VSWR | | 1.5:1 | | |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------|--------|---------|----------|----------|----------|-------|
| Frequency Range | 6 to 8 | 8 to 10 | 10 to 13 | 13 to 15 | 15 to 18 | GHz |
| Gain, Typ | 9 | 9 | 11 | 13 | 14 | dB |

Mechanical Specifications

| | |
|---------------------------|----------------------|
| Size | |
| Length | 5.165354 in 131.2 mm |
| Width | 5.165354 in 131.2 mm |
| Height | 9.350394 in 237.5 mm |
| Weight | 1.55 lbs 703.07 g |
| Body Material and Plating | Aluminum |
| RF Connector | 2.92mm Female |

Environmental Specifications



Features:

- Ultra Broadband 6 GHz to 18 GHz
- Conical Quad-Ridge Waveguide
- Dual Polarized
- 17 dBi Nominal Gain
- Dual SMA Female Coaxial Connector
- Mounting Bracket Included
- Powder Coated Aluminum

Applications:

- Antenna Measurements
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing
- Radar Cross Section

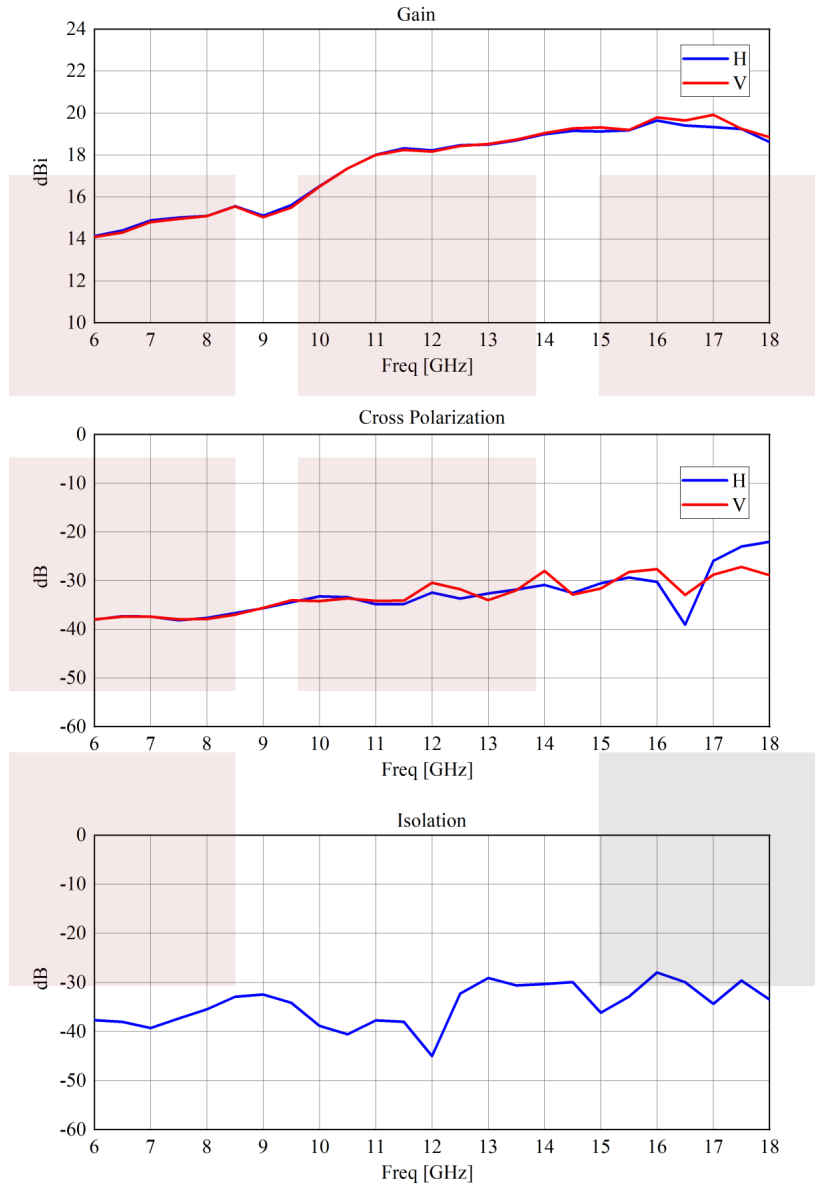
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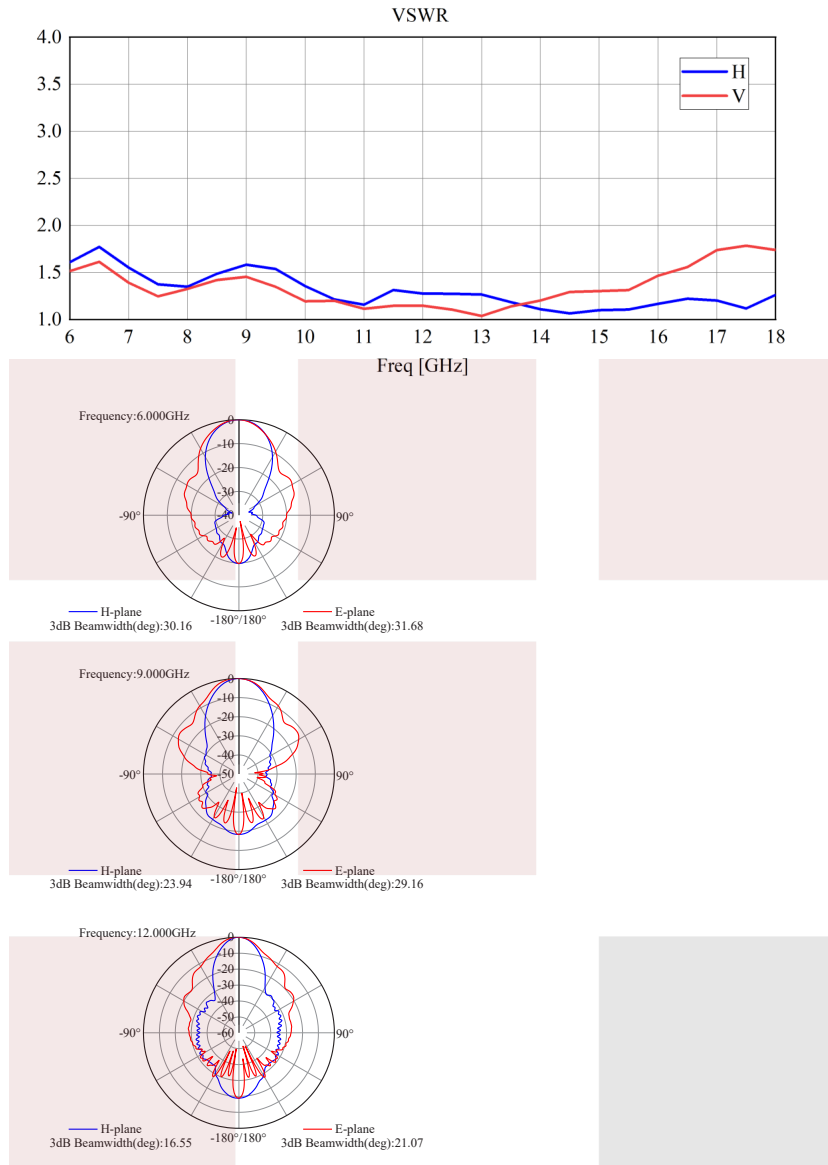
Compliance Certifications (see [product page](#) for current document)

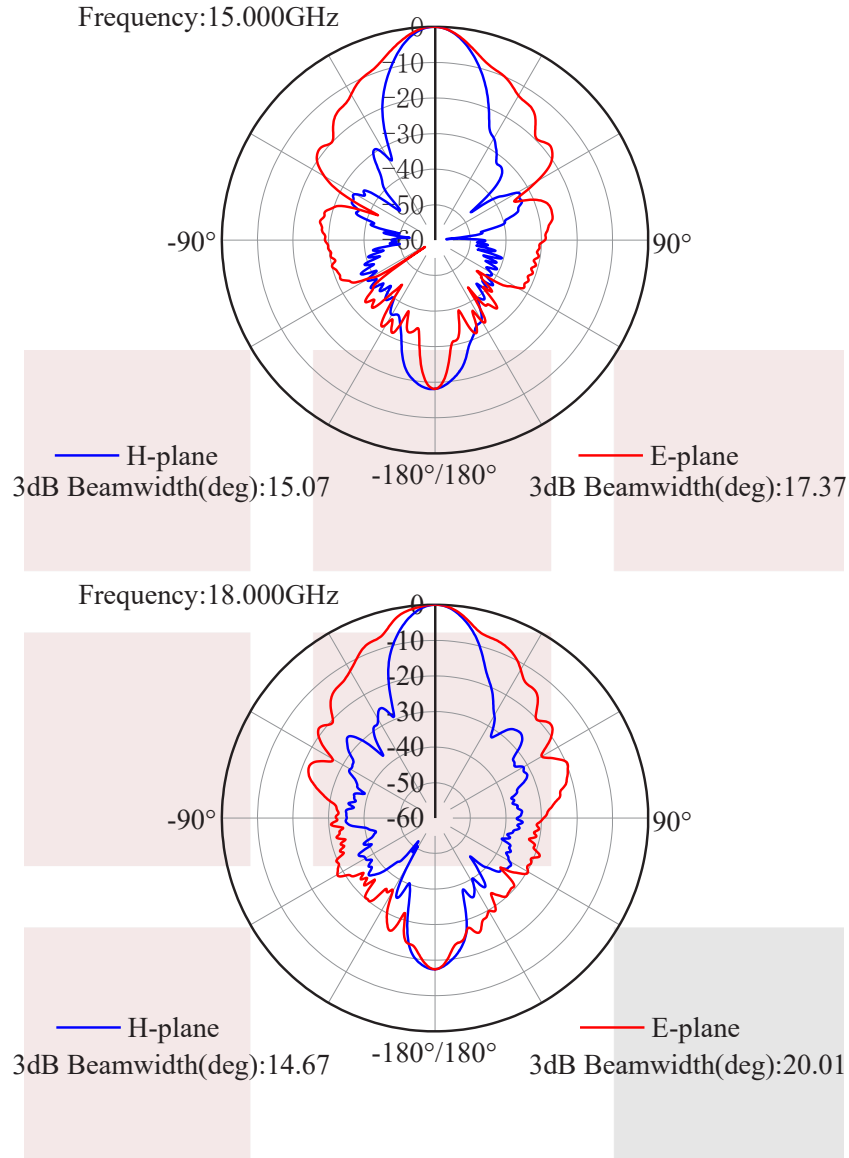
Plotted and Other Data

Notes:

Typical Performance Data







Broadband Horn Antenna, Dual Polarized 6 GHz to 18 GHz 17 dBi Gain, 2.92mm Female Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Broadband Horn Antenna, Dual Polarized 6 GHz to 18 GHz 17 dBi Gain, 2.92mm Female Connector FMWAN1173](#)

URL: <https://www.fairviewmicrowave.com/waveguide-horn-antenna-flange-17dbi-18-ghz-fmwan1173-p.aspx>

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