

WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount

FM1WAN062-15SF



Features

- 12.4 GHz to 18 GHz
- WR-62 Waveguide Band
- 15 dBi Nominal Gain
- SMA Female Connector
- Ruggedized Aluminum Cage-Style Mount
- Integrates with Positioning Systems

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test Solutions
- Radar Cross Section
- Satellite Antenna Testing

Description

The FM1WAN062-15SF standard gain horn antenna with integrated cage-style mount (also known as waveguide horn) from Fairview Microwave is part of our comprehensive selection of waveguide antennas. The cage-style mount is a ruggedized aluminum mounting solution that integrates with test and measurement positioning systems, ensuring precise alignment and protection of the antenna. This standard gain horn is mated with a WR-62 to SMA Female waveguide to coaxial adapter and operates from 12.4 GHz to 18 GHz.

Our FM1WAN062-15SF standard gain horn antenna with integrated cage-style mount has a nominal gain of 15 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 31 dB and 32 dB respectively. Fairview Microwave's SMA Female to WR-62 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FM1WAN062-15SF 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 WR-62 waveguide antennas with SMA Female interface is part of over 40,000 RF, microwave and millimeter wave components from Fairview Microwave available worldwide and ship same day.

Configuration

| | |
|-------------------|------------|
| Design | WR-62 |
| Coaxial Interface | SMA Female |

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------------|---------|---------|---------|---------|
| Frequency Range | 12.4 | | 18 | GHz |
| Waveguide Standard Gain Horn | | 15 | | |
| Gain | | | | |
| Horizontal Half Power Beam Width | | 31 | | Degrees |
| Vertical Half Power Beam Width | | 32 | | Degrees |

Mechanical Specifications

| | |
|-------------|------------------------|
| Size | |
| Length | 4.724 in [119.99 mm] |
| Width | 4.724 in [119.99 mm] |
| Height | 5.61 in [142.49 mm] |
| Weight | 0.87905 lbs [398.73 g] |

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RF Connector

Type SMA Female

Waveguide Interface

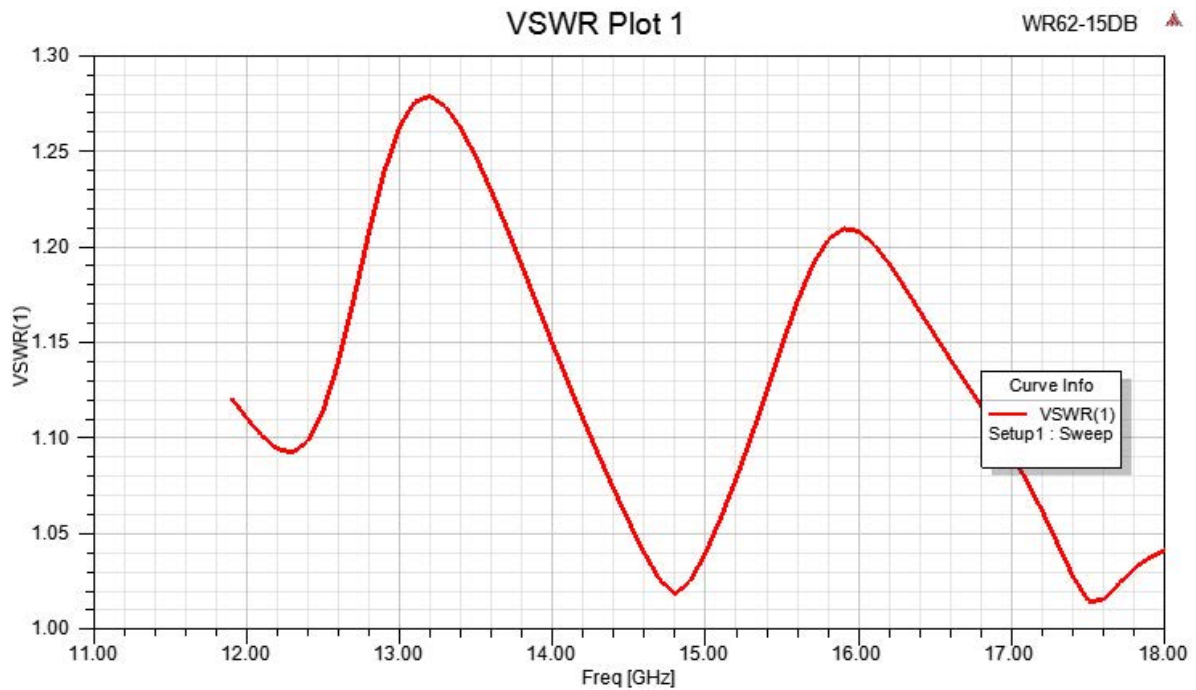
Waveguide Size WR-62

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

Plotted and Other Data

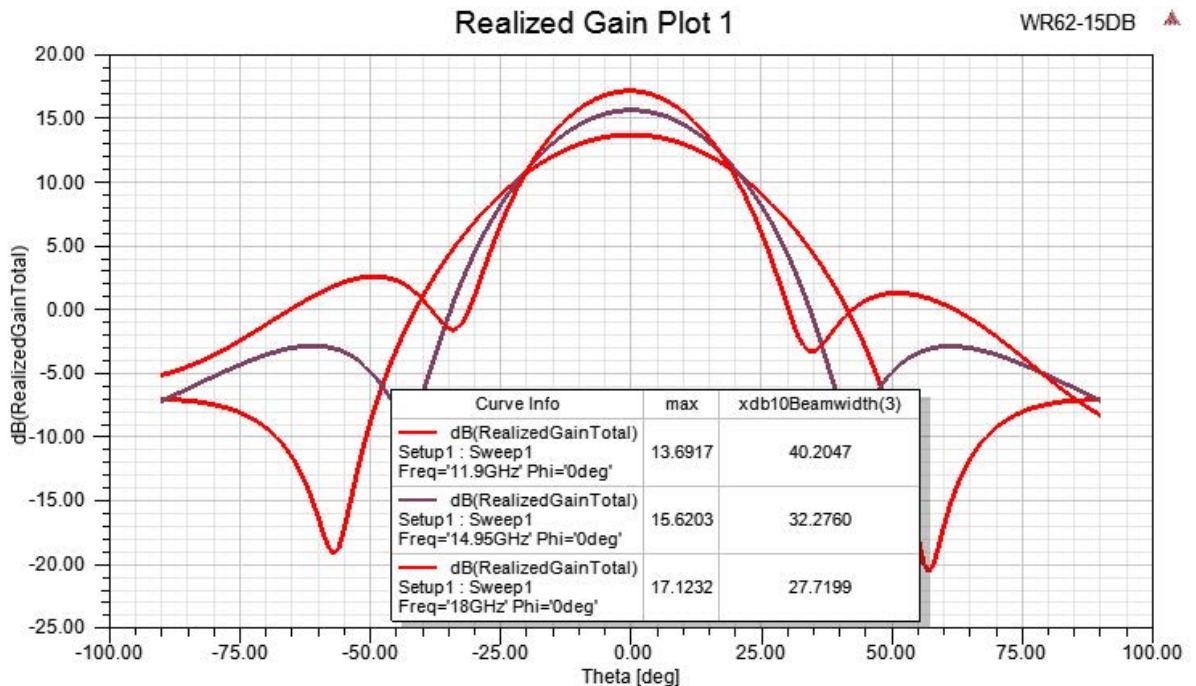
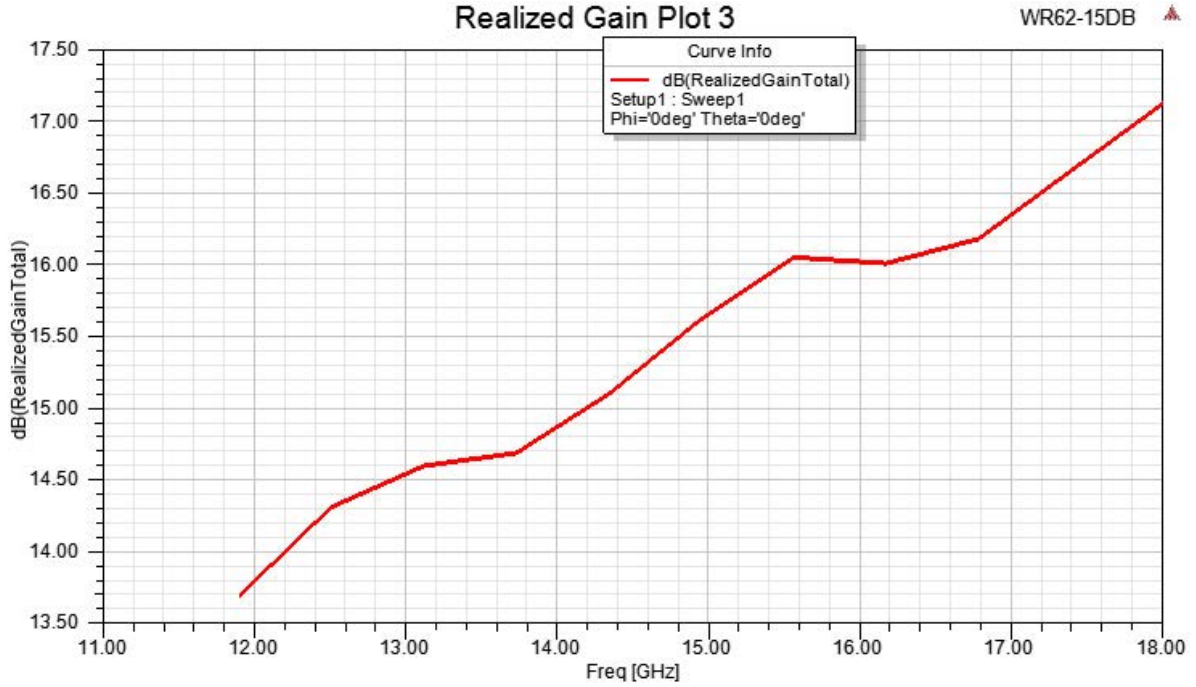
Notes:

Typical Performance Data

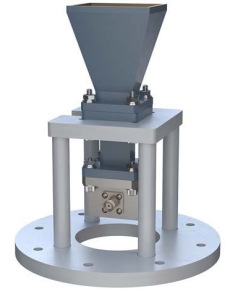


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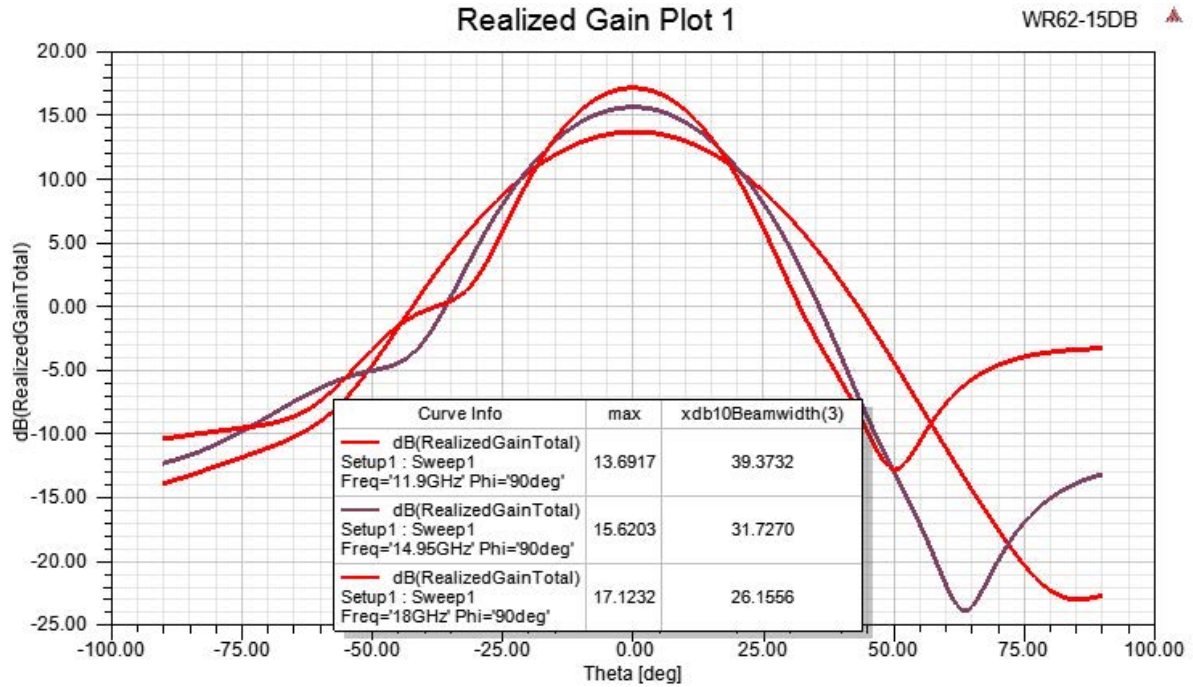
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WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount FM1WAN062-15SF](#)

URL: <https://www.fairviewmicrowave.com/wr-62-standard-gain-horn-with-15-dbi-gain-sma-female-connector-integrated-cage-style-mount-fm1wan062-15sf-p.aspx>

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FM1WAN062-15SF CAD Drawing

WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount

