

## WR-34 Standard Gain Horn with 15 dBi gain, 2.92mm Female Connector, Integrated Cage-Style Mount

### FM1WAN034-15KF



#### Features

- 22 GHz to 33 GHz
- WR-34 Waveguide Band
- 15 dBi Nominal Gain
- 2.92mm 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 FM1WAN034-15KF 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-34 to 2.92mm Female waveguide to coaxial adapter and operates from 22 GHz to 33 GHz.

Our FM1WAN034-15KF 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 and 32 degrees respectively. Fairview Microwave's 2.92mm Female to WR-34 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FM1WAN034-15KF 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-34 waveguide antennas with 2.92mm 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-34
Polarization	Linear
Coaxial Interface	2.92mm Female

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	22		33	GHz
Gain		15		
Horizontal Half Power Beam Width		31		Degrees
Vertical Half Power Beam Width		32		Degrees
<b>Waveguide to Coaxial Adapter</b>				
VSWR		1.3:1		
Input Power (Peak)			20	Watts

#### Mechanical Specifications

<b>Size</b>	
Length	4.725 in [120.02 mm]
Width	3.15 in [80.01 mm]

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Height	2.756 in [70 mm]
Weight	0.8325 lbs [377.62 g]

#### RF Connector

Type	2.92mm Female
Body Material and Plating	Stainless Steel

#### Waveguide Interface

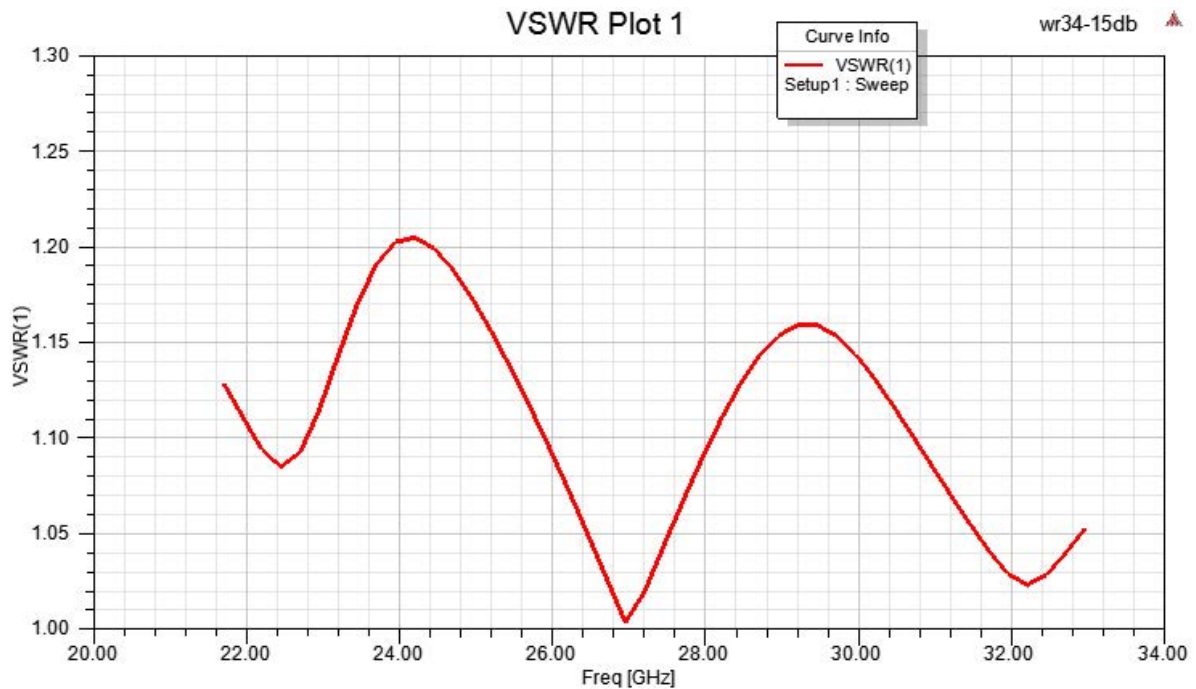
Waveguide Size	WR-34
Flange Type	Square Cover
Flange Designation	UG-1530/U
Body Material and Plating	Aluminum

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

#### Plotted and Other Data

Notes:

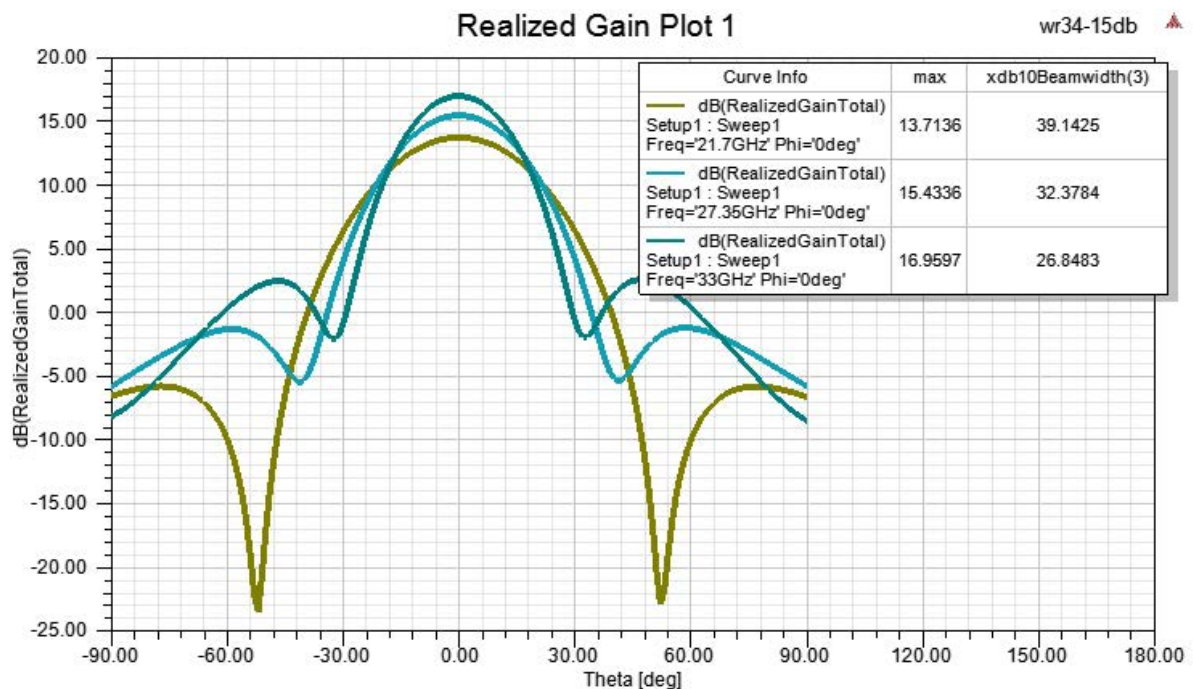
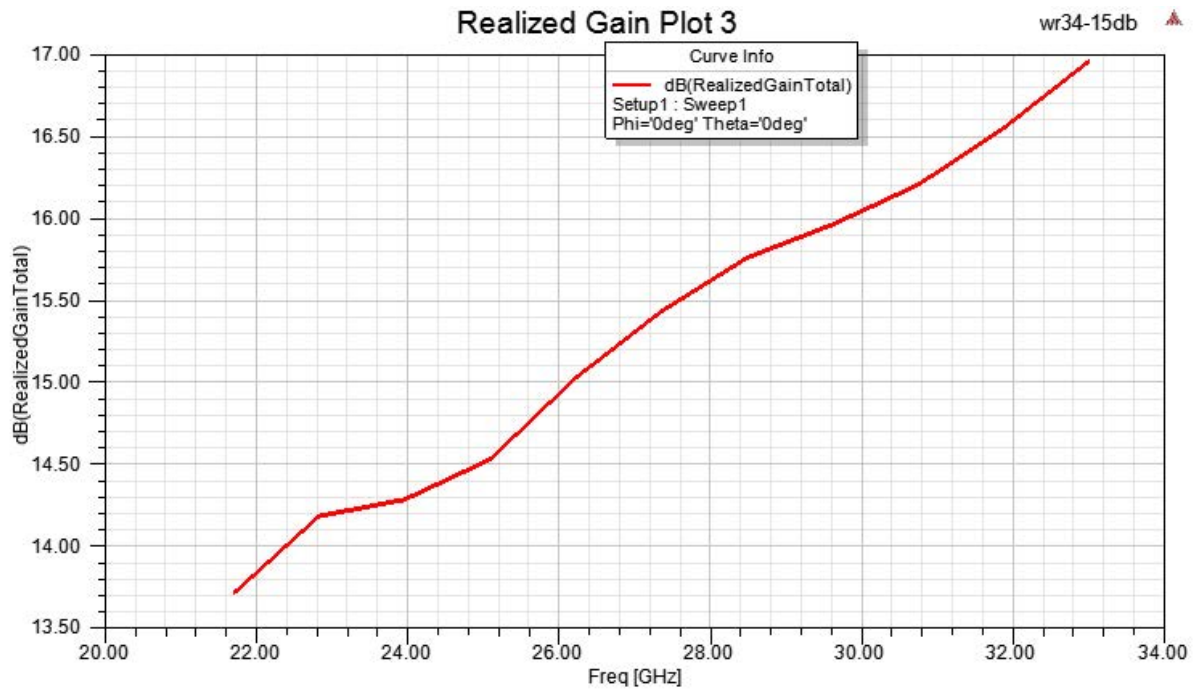
#### Typical Performance Data



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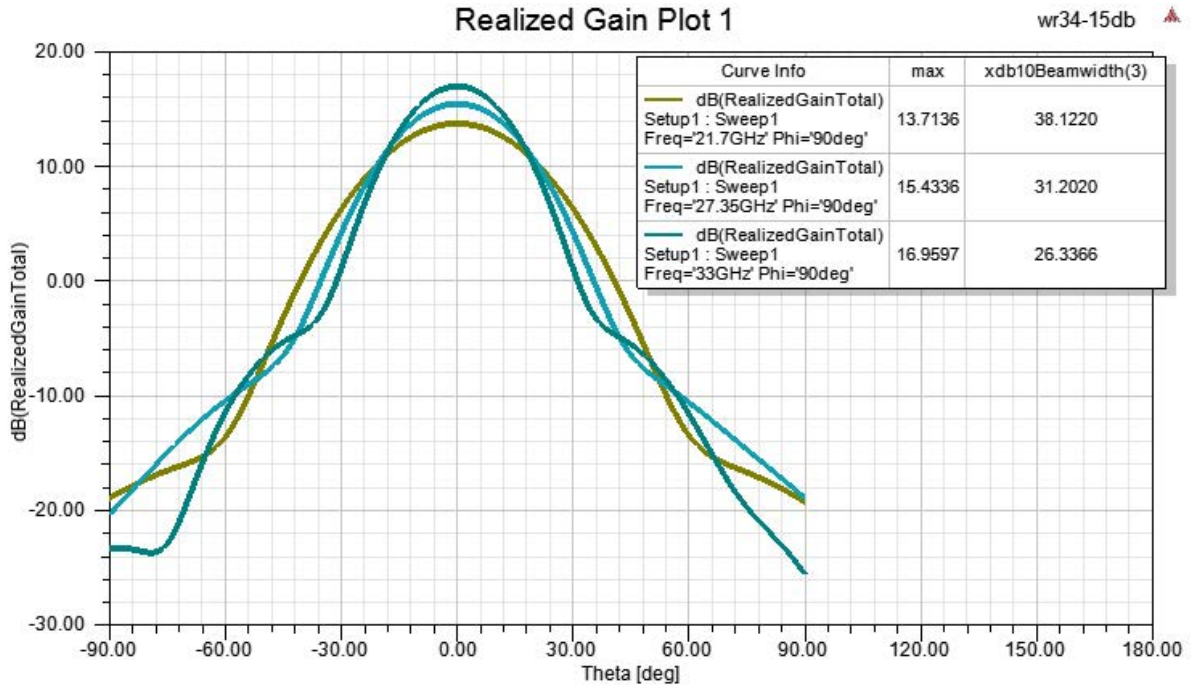


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WR-34 Standard Gain Horn with 15 dBi gain, 2.92mm Female Connector, Integrated Cage-Style Mount from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-34 Standard Gain Horn with 15 dBi gain, 2.92mm Female Connector, Integrated Cage-Style Mount FM1WAN034-15KF](#)

URL: <https://www.fairviewmicrowave.com/wr-34-standard-gain-horn-15-db-2.92mm-fm1wan034-15kf-p.aspx>

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