

## WR-28 Standard Gain Horn with 20 dBi gain, 2.92mm Male connector, with Pre-Installed L Mount

### FM2WAN028-20KM



#### Features

- 26.5 GHz to 40 GHz
- WR-28 Waveguide Band
- 20 dBi Nominal Gain
- 2.92mm Male Connector
- Pre-Installed L 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 FM2WAN028-20KM standard gain horn antenna with pre-installed L mount (also known as waveguide horn) from Fairview Microwave is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-28 to 2.92mm male waveguide to coaxial adapter and operates from 26.5 GHz to 40 GHz.

Our FM2WAN028-20KM standard gain horn antenna with pre-installed L mount has a nominal gain of 20 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 17.5 dB and 17.3 dB respectively. Fairview Microwave's 2.92mm male to WR-28 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FM2WAN028-20KM 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-28 waveguide antennas with 2.92mm male 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-28
Coaxial Interface	2.92mm Male

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
Gain		20		
Horizontal Half Power Beam Width		17.5		Degrees
Vertical Half Power Beam Width		17.3		
<b>Waveguide to Coaxial Adapter</b>				
VSWR			1.29:1	

#### Mechanical Specifications

<b>Size</b>	
Length	6.896 in [175.16 mm]
Width	4.519 in [114.78 mm]
Height	3.936 in [99.97 mm]
Weight	0.572 lbs [259.45 g]

WR-28 Standard Gain Horn with 20 dBi gain, 2.92mm  
Male connector, with Pre-Installed L Mount



## FM2WAN028-20KM

### RF Connector

Type 2.92mm Male

### Waveguide Interface

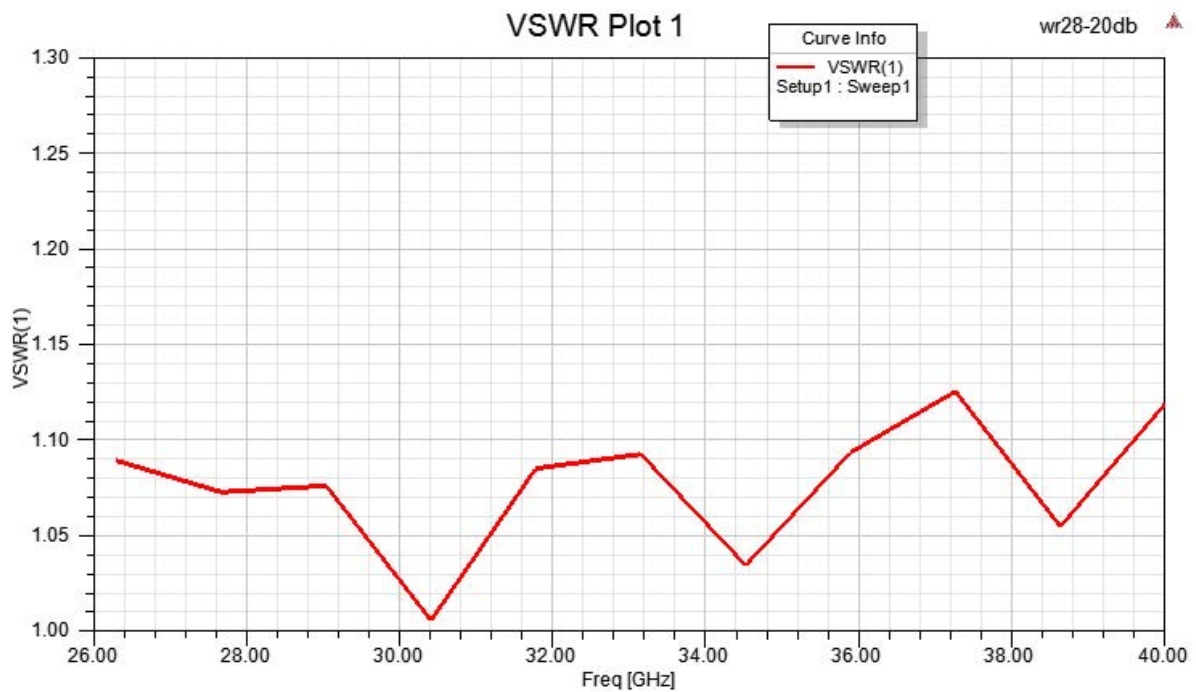
Waveguide Size WR-28

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

### Plotted and Other Data

Notes:

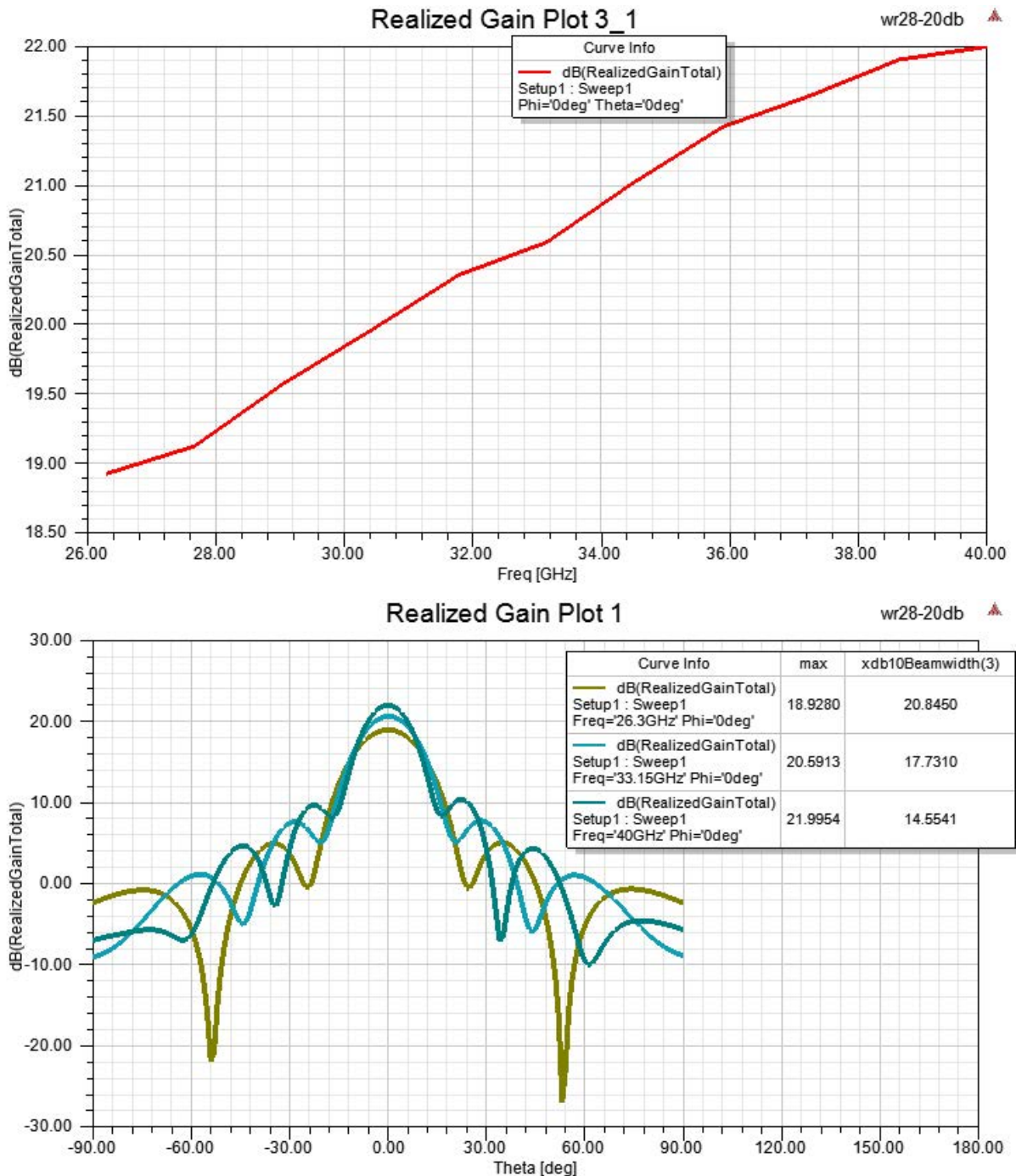
### Typical Performance Data



WR-28 Standard Gain Horn with 20 dBi gain, 2.92mm  
Male connector, with Pre-Installed L Mount



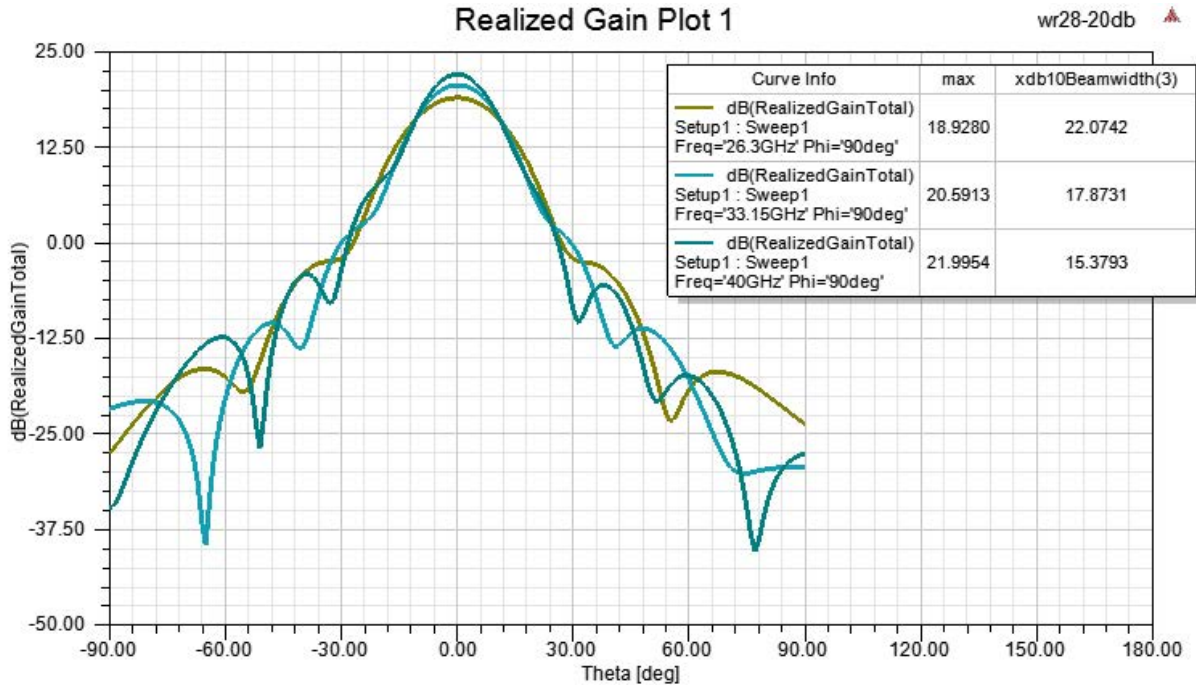
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WR-28 Standard Gain Horn with 20 dBi gain, 2.92mm Male connector, with Pre-Installed L Mount from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-28 Standard Gain Horn with 20 dBi gain, 2.92mm Male connector, with Pre-Installed L Mount FM2WAN028-20KM](#)

URL: <https://www.fairviewmicrowave.com/wr-28-standard-gain-horn-20-dbi-2.92mm-fm2wan028-20km-p.aspx>

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FM2WAN028-20KM CAD Drawing

WR-28 Standard Gain Horn with 20 dBi gain, 2.92mm Male connector, with Pre-Installed L Mount

