

## WR-137 Standard Gain Horn with 10 dBi gain, SMA Female Connector, with Pre-Installed L Mount



### FM2WAN137-10SF

#### Features

- 5.85 GHz to 8.2 GHz
- WR-137 Waveguide Band
- 10 dBi Nominal Gain
- SMA Female Connector
- Pre-Installed L Mount

#### Applications

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

#### Description

The FM2WAN137-10SF standard gain horn antenna (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-137 to SMA female waveguide to coaxial adapter and operates from 5.85 GHz to 8.2 GHz.

Our FM2WAN137-10SF standard gain horn antenna with pre-installed L mount has a nominal gain of 10 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 52.1 dB and 51.6 dB respectively. Fairview Microwave's SMA female to WR-137 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FM2WAN137-10SF 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-137 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-137
Coaxial Interface	SMA Female

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	5.85		8.2	GHz
Gain		10		
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		
<b>Waveguide to Coaxial Adapter</b>				
VSWR			1.3:1	

#### Mechanical Specifications

<b>Size</b>	
Length	7.02 in [178.31 mm]
Width	4.33 in [109.98 mm]
Height	3.02 in [76.71 mm]
Weight	2 lbs [907.18 g]

WR-137 Standard Gain Horn with 10 dBi gain, SMA  
Female Connector, with Pre-Installed L Mount



**FM2WAN137-10SF**

**RF Connector**

Type

SMA Female

**Waveguide Interface**

Waveguide Size

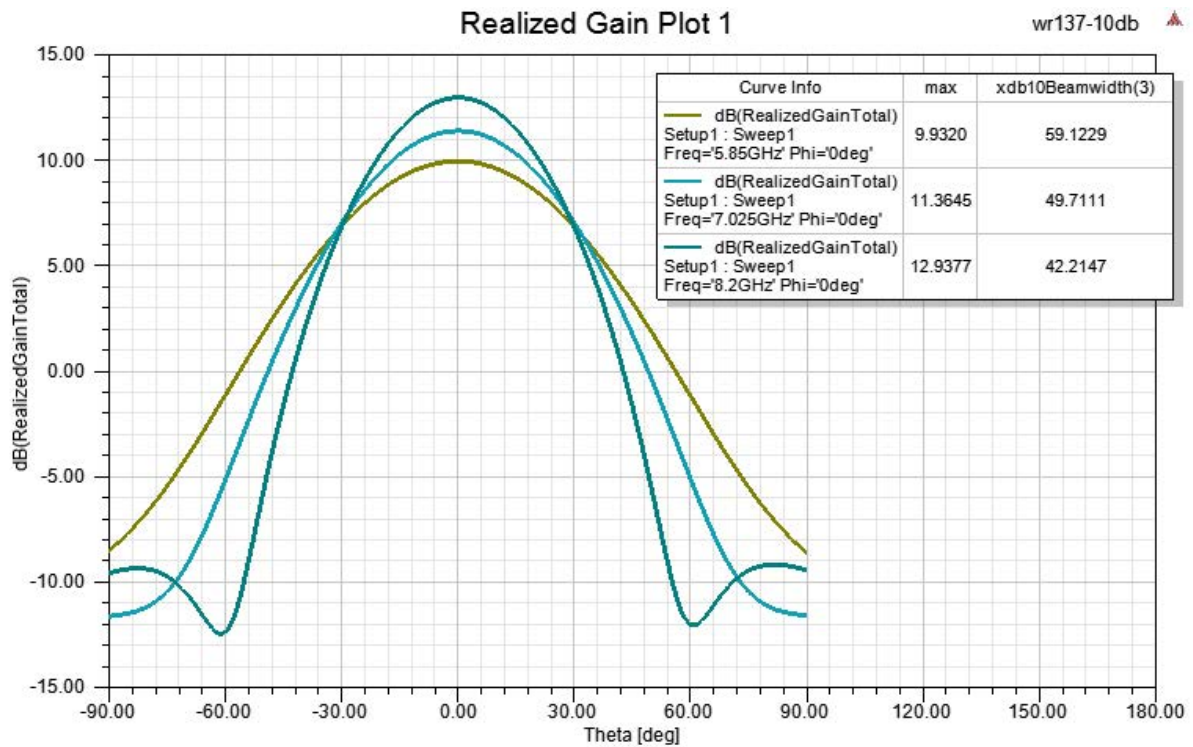
WR-137

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

**Plotted and Other Data**

Notes:

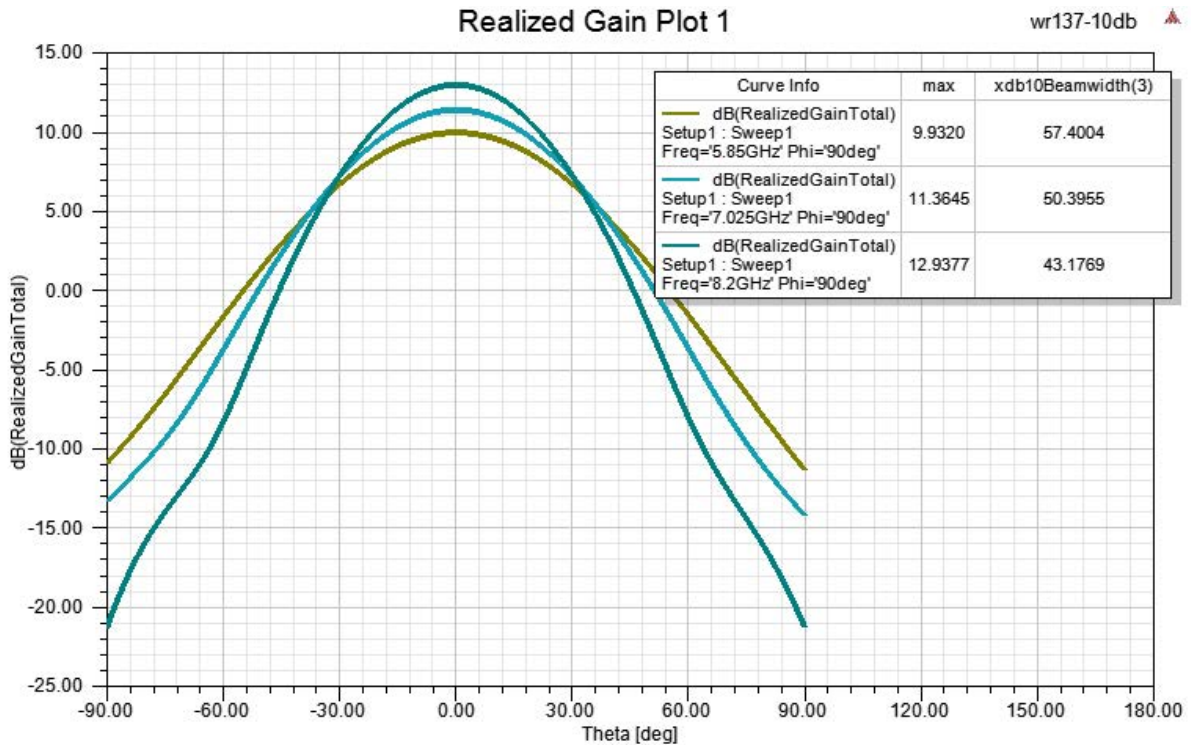
**Typical Performance Data**



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## FM2WAN137-10SF



WR-137 Standard Gain Horn with 10 dBi gain, SMA Female 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-137 Standard Gain Horn with 10 dBi gain, SMA Female Connector, with Pre-Installed L Mount FM2WAN137-10SF](#)

URL: <https://www.fairviewmicrowave.com/wr-137-standard-gain-horn-10-dbi-sma-fm2wan137-10sf-p.aspx>

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FM2WAN137-10SF CAD Drawing

WR-137 Standard Gain Horn with 10 dBi gain, SMA Female Connector, with Pre-Installed L Mount

