

FMWAN090-15SM DATA SHEET

WR-90 Standard Gain Horn with 15 dBi gain, SMA Male connector

The FMWAN090-15SM 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-90 to SMA Male waveguide to coaxial adapter and operates from 8.2 GHz to 12.4 GHz.

Our FMWAN090-15SM standard gain horn antenna 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 Male to WR-90 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FMWAN090-15SM 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-90 waveguide antennas with SMA 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 Coaxial Interface	WR-90 Standard Gain Horn SMA Male				
Electrical Specification	າຣ				
Description	Min		Тур	Мах	Units
Frequency Range	8.2			12.4	GHz
Waveguide Standard Gain Horn					
Gain	Gain		15		dBi
Horizontal 3dB Beam Width			31		Degrees
Vertical 3dB Beam Width			32		Degrees
Waveguide to Coaxial <mark>Adapter</mark>					
Input VSWR				1.25:1	
Mechanical Specificati	ons				
Size Length	0.20		in 12	3.09 mm	
Width/Diameter		2.439 in 61.95 mm			
5	Height		1.755 in 44.58 mm		
Weight		0.25 l	0.25 lbs 113.4 g		
RF Connector Type		SMA Male			
Waveguide Interface Waveguide Size		WR-9	D		

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- 8.2 GHz to 12.4 GHz
- WR-90 Waveguide Band
- 15 dBi Nominal Gain
- SMA Male Connector

Applications:

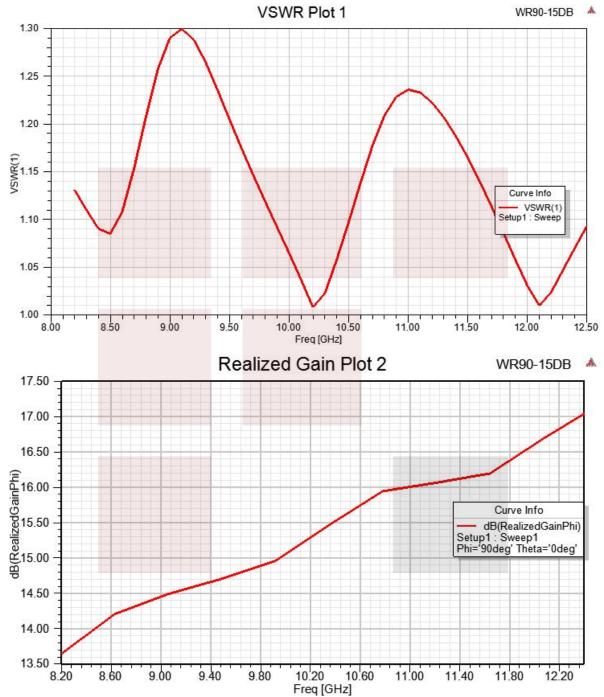
- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test Solutions
- Radar Cross Section
- Satellite Antenna Testing

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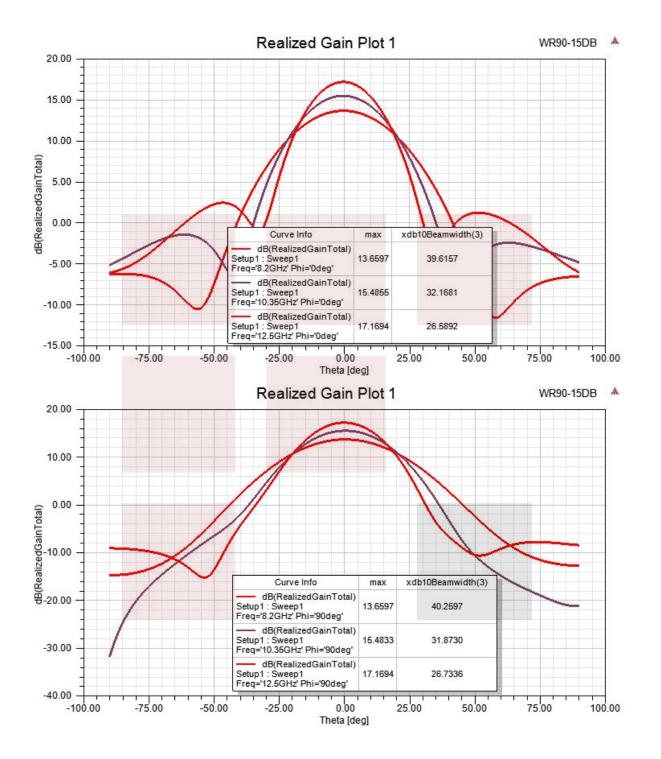
Typical Performance Data



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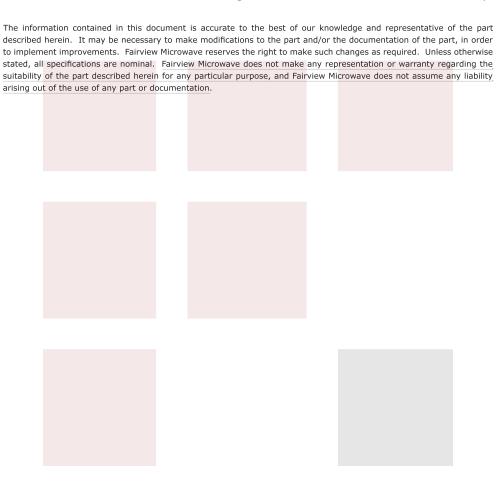


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WR-90 Standard Gain Horn with 15 dBi gain, SMA Male connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-90 Standard Gain Horn with 15 dBi gain, SMA Male connector FMWAN090-15SM

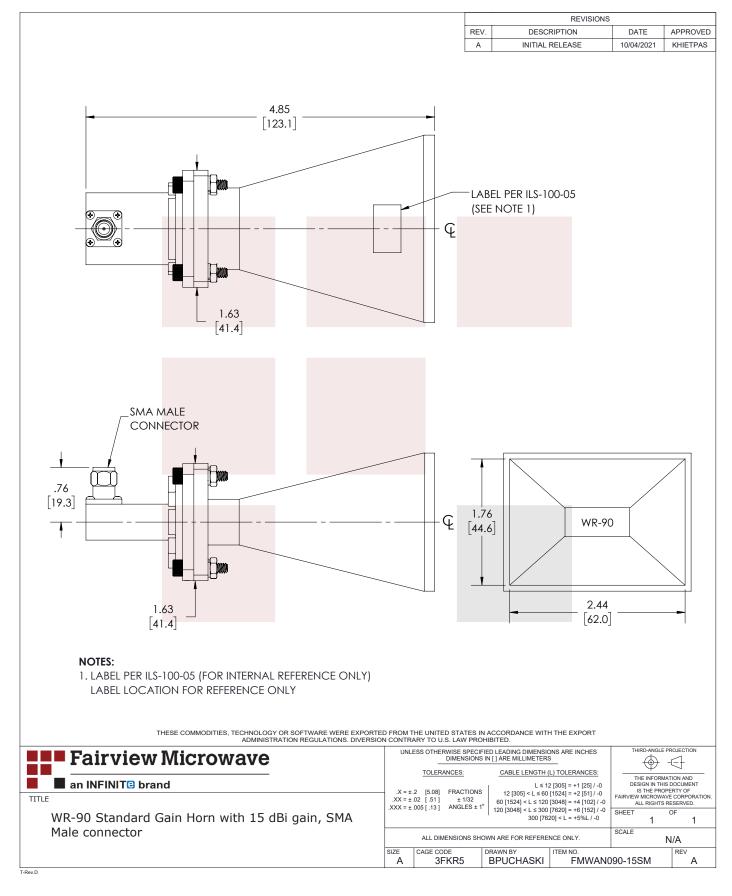
URL: https://www.fairviewmicrowave.com/wr-90-standard-gain-horn-15-dbi-sma-fmwan090-15sm-p.aspx



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