

WR-102 Waveguide Antenna With 15 dBi Gain and 7 GHz to 11 GHz

The FMWAN102-15 standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 15 dBi. The Fairview Microwave 15 dBi WR-102 horn antenna operates from 7 GHz to 11 GHz (C-X Band). This WR-102 standard gain horn has a Square Cover type flange. Waveguide standard gain horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance. These units are Aluminum and Powder coated for increased resistance to weather and corrosion with a Horizontal and Vertical Beam Width of 31 and 32 degrees respectively. Fairview Microwave's WR-102 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. C-X Band standard gain horn antenna can ship the same day to anywhere in the world. The WR-102 FMWAN102-15 waveguide horn is part of over 40,000 RF, microwave and millimeter wave components available from Fairview Microwave.

Configuration

Design	WR-102
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	7		11	GHz
Nominal Gain		15		dB
Horizontal 3dB Beam Width		31		Deg
Vertical 3dB Beam Width		32		Deg
VSWR		1.3:1		

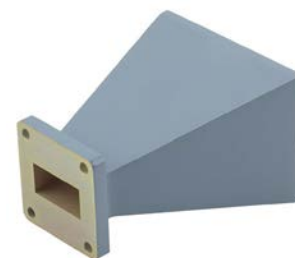
Mechanical Specifications

Size

Length	3.543 in [89.99 mm]
Width/Diameter	2.764 in [70.21 mm]
Height	1.989 in [50.52 mm]
Weight	0.3 lbs [136.08 g]

Waveguide Interface

Waveguide Size	WR-102
Flange Type	Square Cover
Body Material and Plating	Aluminum, Gray



Features:

- WR-102 Rectangular Waveguide Interface
- 7 GHz to 11 GHz
- 15 dBi Nominal Gain
- Square Cover Cover Flange
- C-X Band

Applications:

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems

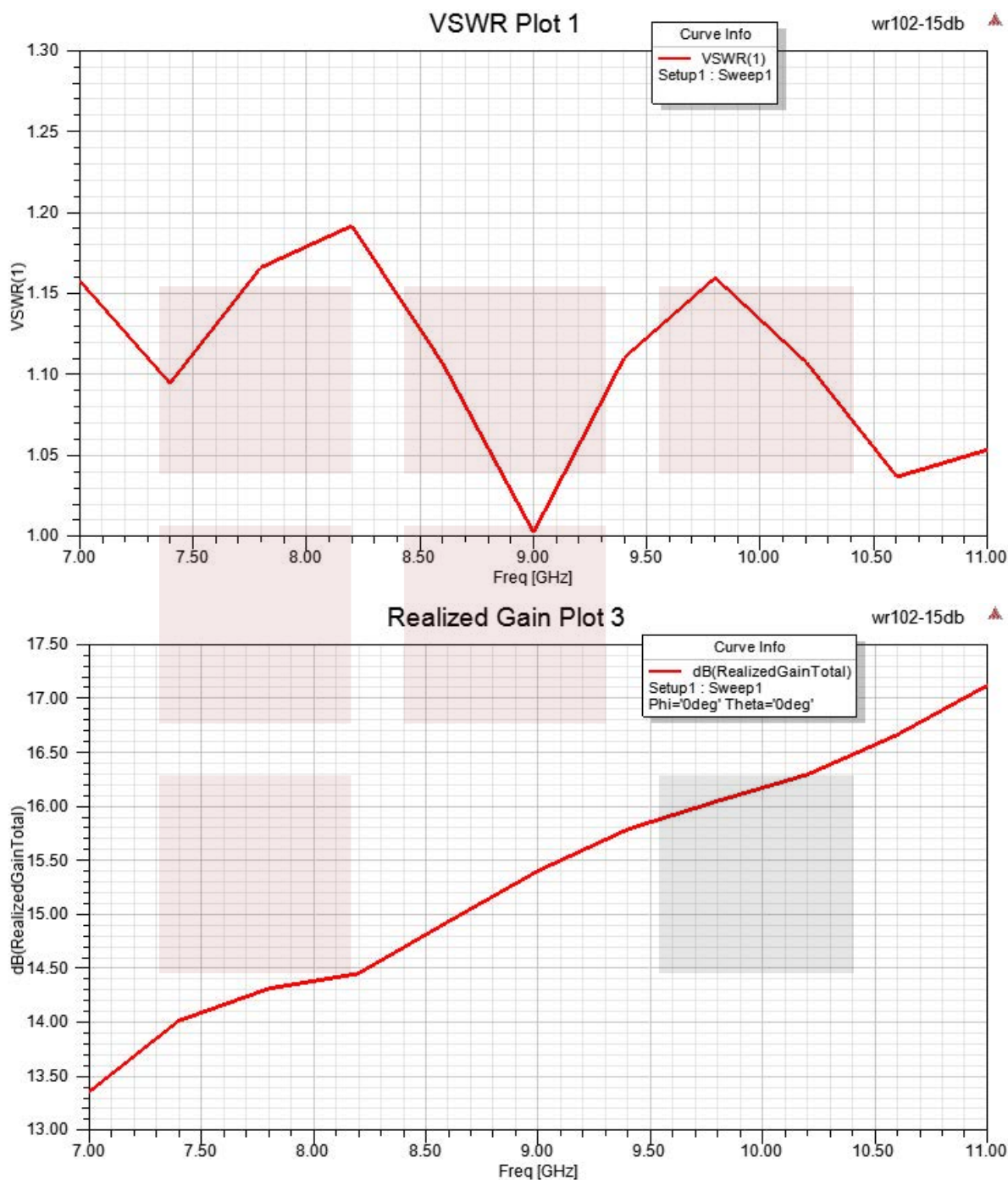
Compliance Certifications (see [product page](#) for current document)

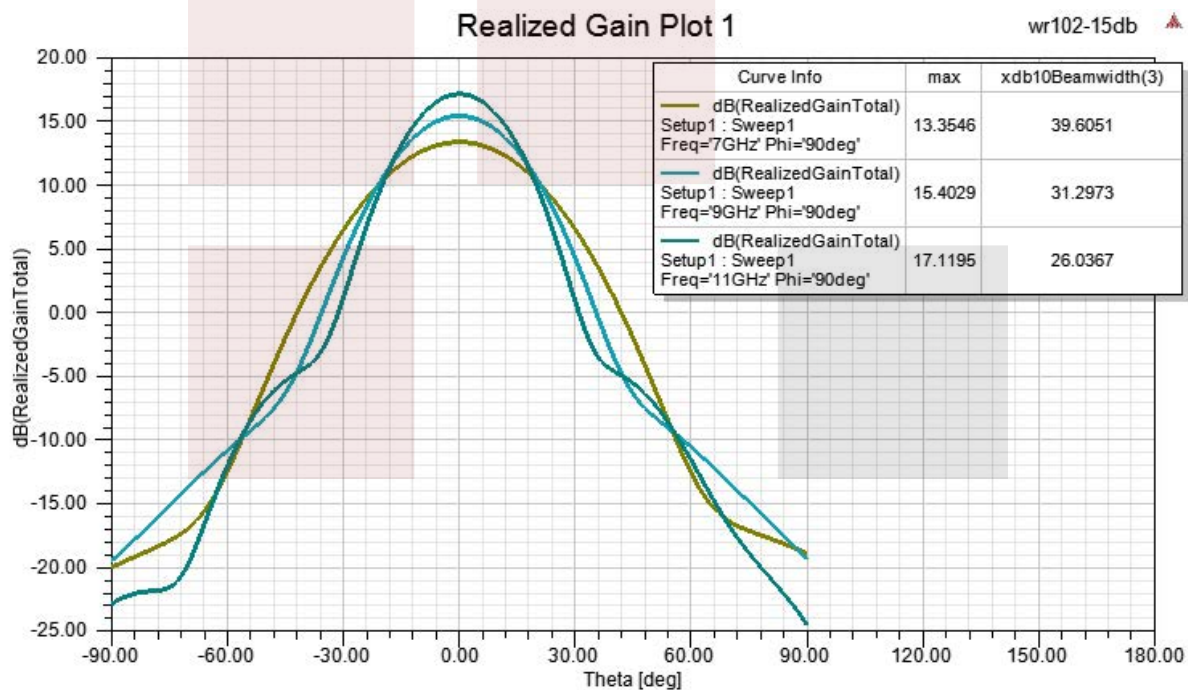
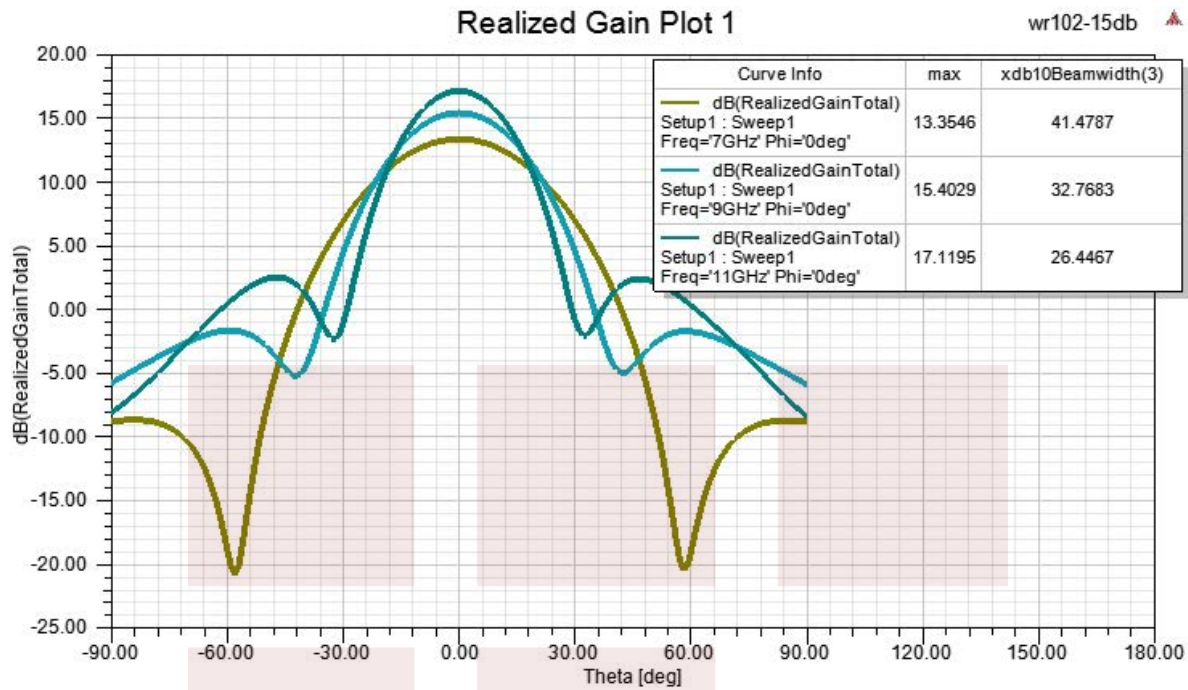
Plotted and Other Data

Notes:

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Typical Performance Data





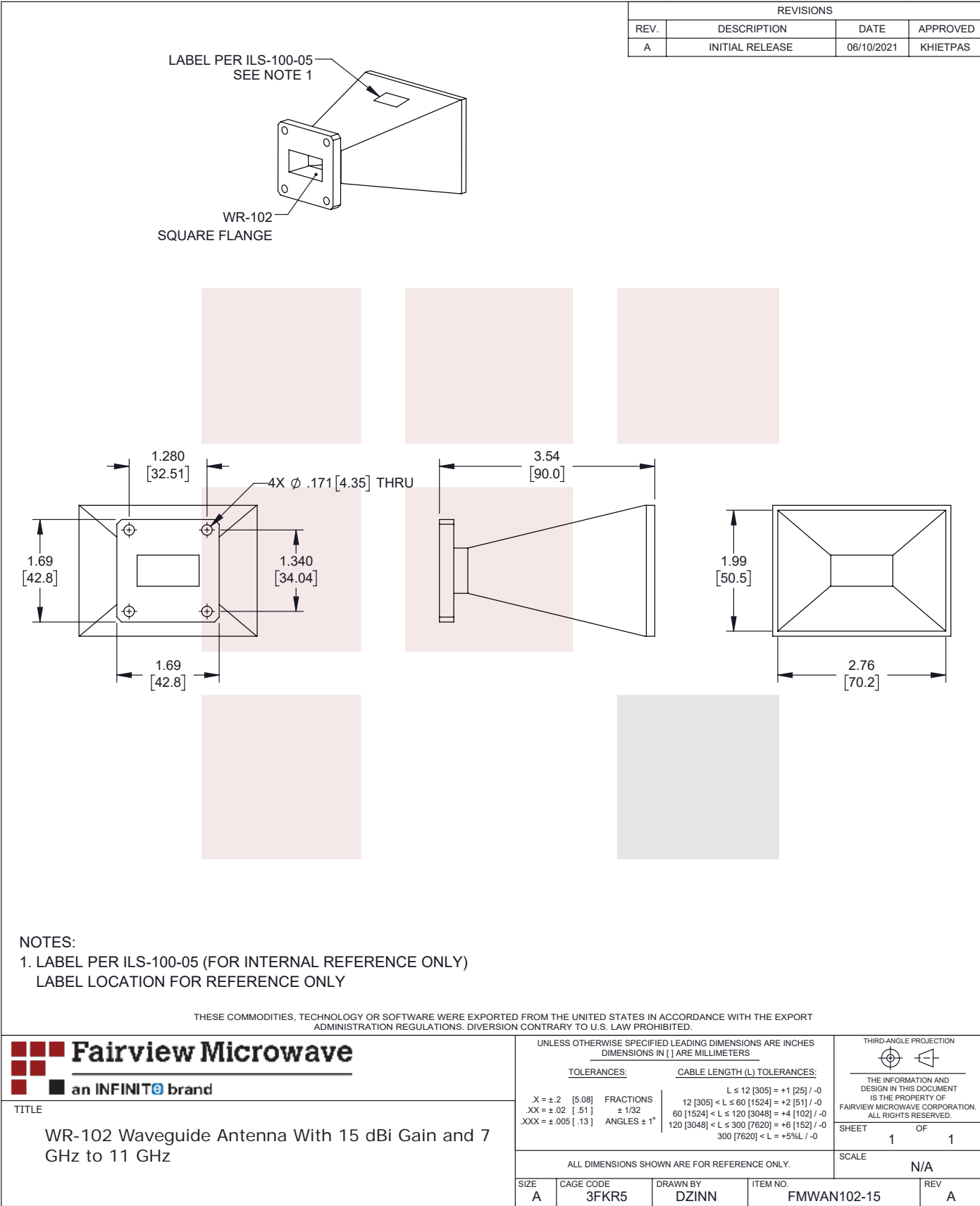
WR-102 Waveguide Antenna With 15 dBi Gain and 7 GHz to 11 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-102 Waveguide Antenna With 15 dBi Gain and 7 GHz to 11 GHz FMWAN102-15](#)

URL: <https://www.fairviewmicrowave.com/wr-102-waveguide-standard-gain-horn-15-db-none-fmwan102-15-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





T-Rev.D