

WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with CPR-770F Flange

The FMWAN770-15 standard horn antenna (also known as waveguide horn) from Fairview is part of our comprehensive selection of waveguide antennas. This WR-770 waveguide horn features an CPR-770F waveguide flange and operates from 960 to 1460 MHz.

Our FMWAN770-15 standard gain horn antenna has a nominal gain of 15 dBi with a typical input VSWR of 1.5:1. Fairview's waveguide horns are available in 10, 15, and 20 dBi models with varying frequency ranges to suit the application needs.

Waveguide antennas, such as the FMWAN770-15 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-770 waveguide antennas with are part of over 40,000 RF, microwave, and millimeter wave components from Fairview available worldwide and Ship same day.

Configuration

Design	WR-770 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	960		1.46	MHz
Nominal Gain		15		dBi
Horizontal 3dB Beam Width		30		Deg
Vertical 3dB Beam Width		30		Deg
VSWR			1.5:1	

Mechanical Specifications

Size	
Length	23.6 in [599.44 mm]
Width/Diameter	27.6 in [701.04 mm]
Height	18.9 in [480.06 mm]
Weight	25.3575 lbs [11.5 kg]

Waveguide Interface

Waveguide Size	WR-770
Flange Type	CPR-770F
Body Material and Plating	Aluminum



Features:

- 960 MHz to 1460 MHz
- Linearly Polarized
- 15 dBi Nominal Gain
- WR-770 with CPR-770F Flange
- Powder Coated Aluminum

Applications:

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing

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

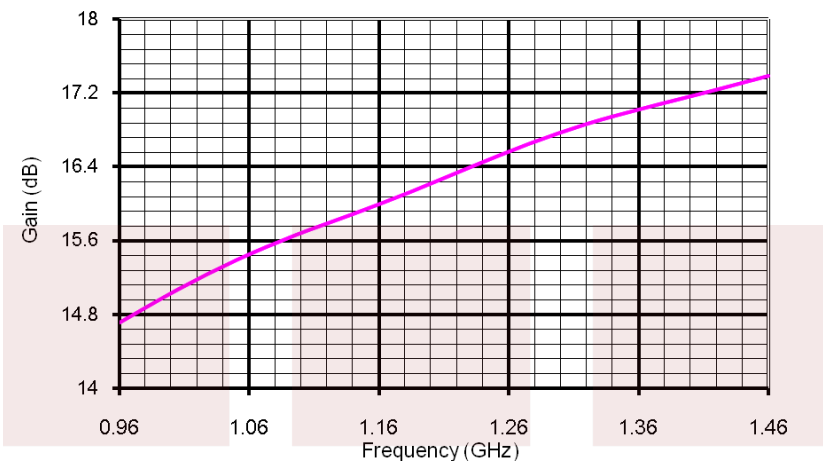
Plotted and Other Data

Notes:

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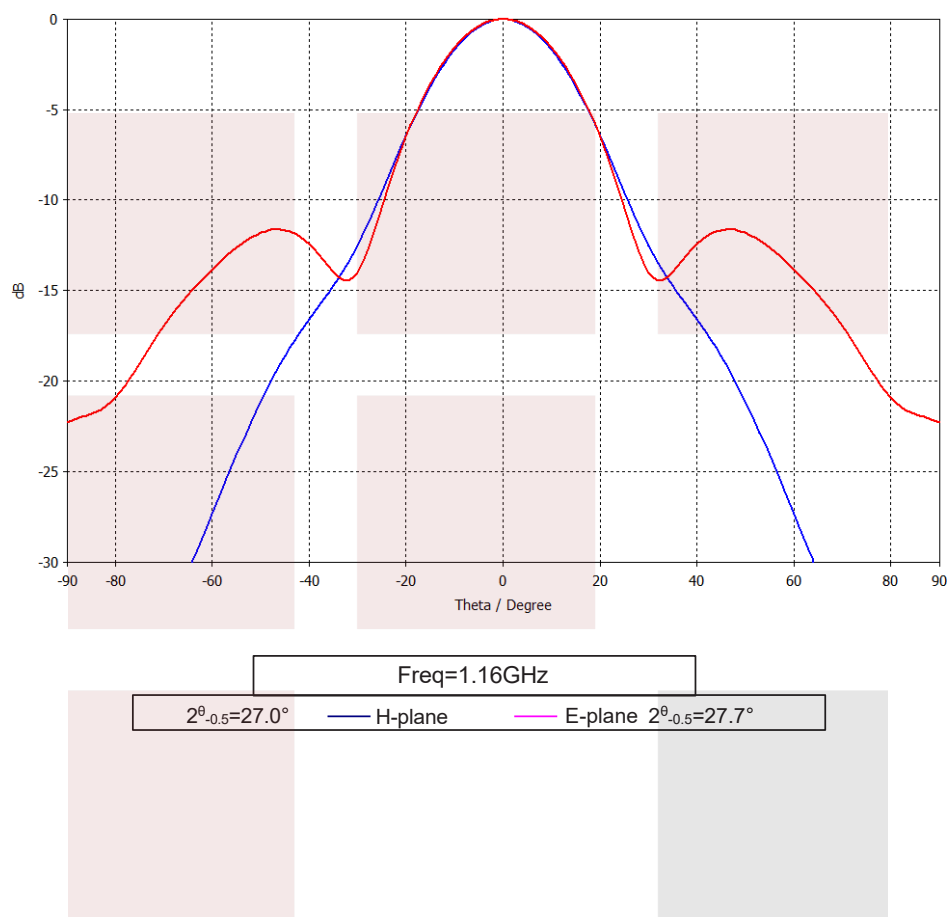
Typical Performance Data

Gain VS Frequency Curve:



Freq	Gain	Freq	Gain
0.96 GHz	14.71 dB	1.23 GHz	16.40 dB
1.01 GHz	15.08 dB	1.28 GHz	16.65 dB
1.05 GHz	15.39 dB	1.32 GHz	16.87 dB
1.10 GHz	15.66 dB	1.37 GHz	17.04 dB
1.14 GHz	15.89 dB	1.41 GHz	17.20 dB
1.19 GHz	16.14 dB	1.46 GHz	17.39 dB

Typical Pattern:



WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with CPR-770F Flange 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-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with CPR-770F Flange FMWAN770-15](#)

URL: <https://www.fairviewmicrowave.com/wr-770-waveguide-standard-gain-horn-antenna-operating-from-960-mhz-to-1460-mhz-15-dbi-gain-with-cpr-770f-flange-fmwan770-15-p.aspx>

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