

## WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 10 dBi Gain with CPR-770F Flange

The FMWAN770-10 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 FMWAN770-10 standard gain horn antenna has a nominal gain of 10 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 FMWAN770-10 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

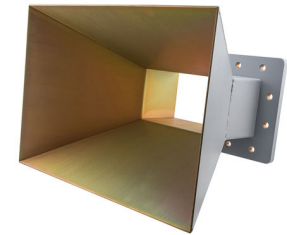
Description	Min	Typ	Max	Units
Frequency Range	960		1.46	MHz
Nominal Gain		10		dBi
Horizontal 3dB Beam Width		55		Deg
Vertical 3dB Beam Width		55		Deg
VSWR			1.5:1	

### Mechanical Specifications

<b>Size</b>	
Length	11 in [279.4 mm]
Width/Diameter	12.4 in [314.96 mm]
Height	9.3 in [236.22 mm]
Weight	8.82 lbs [4 kg]

### Waveguide Interface

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



### Features:

- 960 MHz to 1460 MHz
- Linearly Polarized
- 10 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)

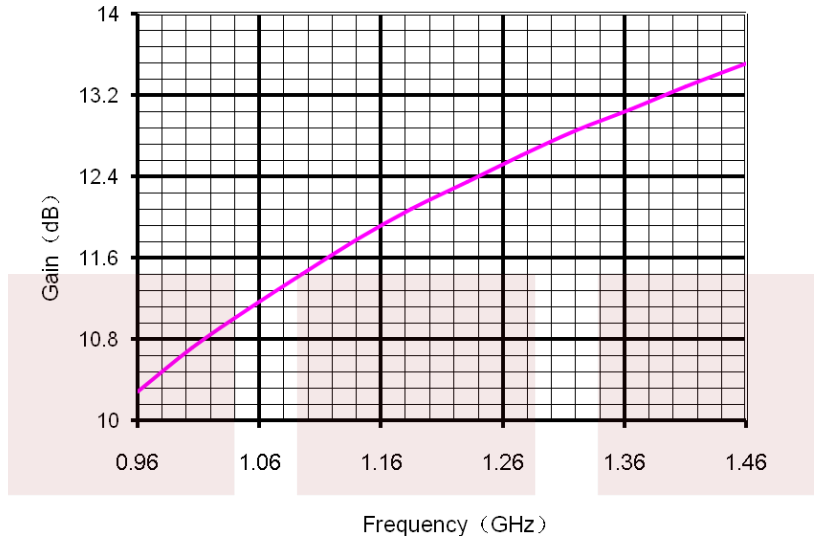
### Plotted and Other Data

Notes:

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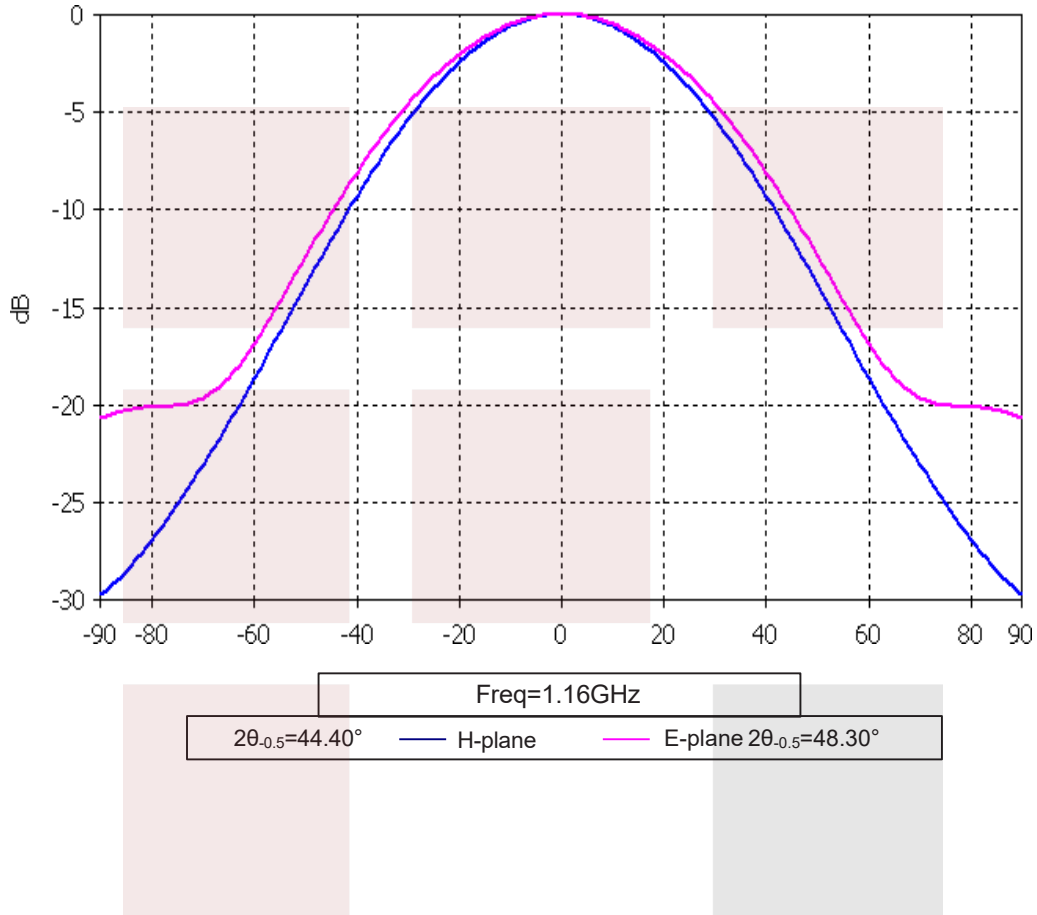
**Typical Performance Data**

Gain VS Frequency Curve:



Freq	Gain	Freq	Gain
0.96 GHz	10.28 dB	1.23 GHz	12.35 dB
1.01 GHz	10.72 dB	1.28 GHz	12.61 dB
1.05 GHz	11.09 dB	1.32 GHz	12.86 dB
1.10 GHz	11.45 dB	1.37 GHz	13.07 dB
1.14 GHz	11.78 dB	1.41 GHz	13.29 dB
1.19 GHz	12.08 dB	1.46 GHz	13.52 dB

**Typical Pattern:**



WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 10 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, 10 dBi Gain with CPR-770F Flange FMWAN770-10](#)

URL: <https://www.fairviewmicrowave.com/wr-770-waveguide-standard-gain-horn-antenna-operating-from-960-mhz-to-1460-mhz-10-dbi-gain-with-cpr-770f-flange-fmwan770-10-p.aspx>

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