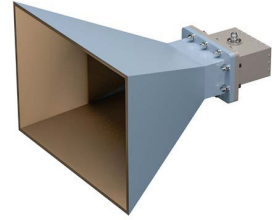


WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 15 dBi Gain with N Type Female



FMWAN510-15NF

Features

- 1450 MHz to 2200 MHz
- Linearly Polarized
- 15 dBi Nominal Gain
- WR-510 with Type N Female connector
- Powder Coated Aluminum

Applications

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

Description

The FMWAN510-15NF standard horn antenna (also known as waveguide horn) from Fairview Microwave is part of our comprehensive selection of waveguide antennas. This WR-510 waveguide horn features an N Female Coax Connector and operates from 1450 to 2200 MHz.

Our FMWAN510-15NF standard gain horn antenna has a nominal gain of 15 dBi with a typical input VSWR of 1.5:1. Fairview Microwave'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 FMWAN510-15NF 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-510 waveguide antennas with are part of over 40,000 RF, microwave, and millimeter wave components from Fairview Microwave available worldwide and ship same day.

Configuration

Design	WR-510
Pattern	Directional
Polarization	Linear
Coaxial Interface	N Female

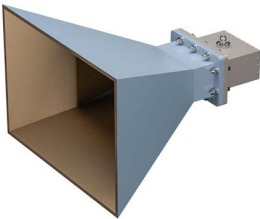
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.45		2.2	GHz
Gain		15		
Horizontal Half Power Beam Width		30		Degrees
Vertical Half Power Beam Width		30		Degrees
Waveguide to Coaxial Adapter				
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	19.2 in [487.68 mm]
Width	18 in [457.2 mm]
Height	12.4 in [314.96 mm]
Weight	9.356 lbs [4.24 kg]

WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 15 dBi Gain with N Type Female



FMWAN510-15NF

RF Connector	
Type	N Female
Waveguide Interface	
Waveguide Size	WR-510

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

Plotted and Other Data

Notes:

Typical Performance Data

WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 15 dBi Gain with N Type Female 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.

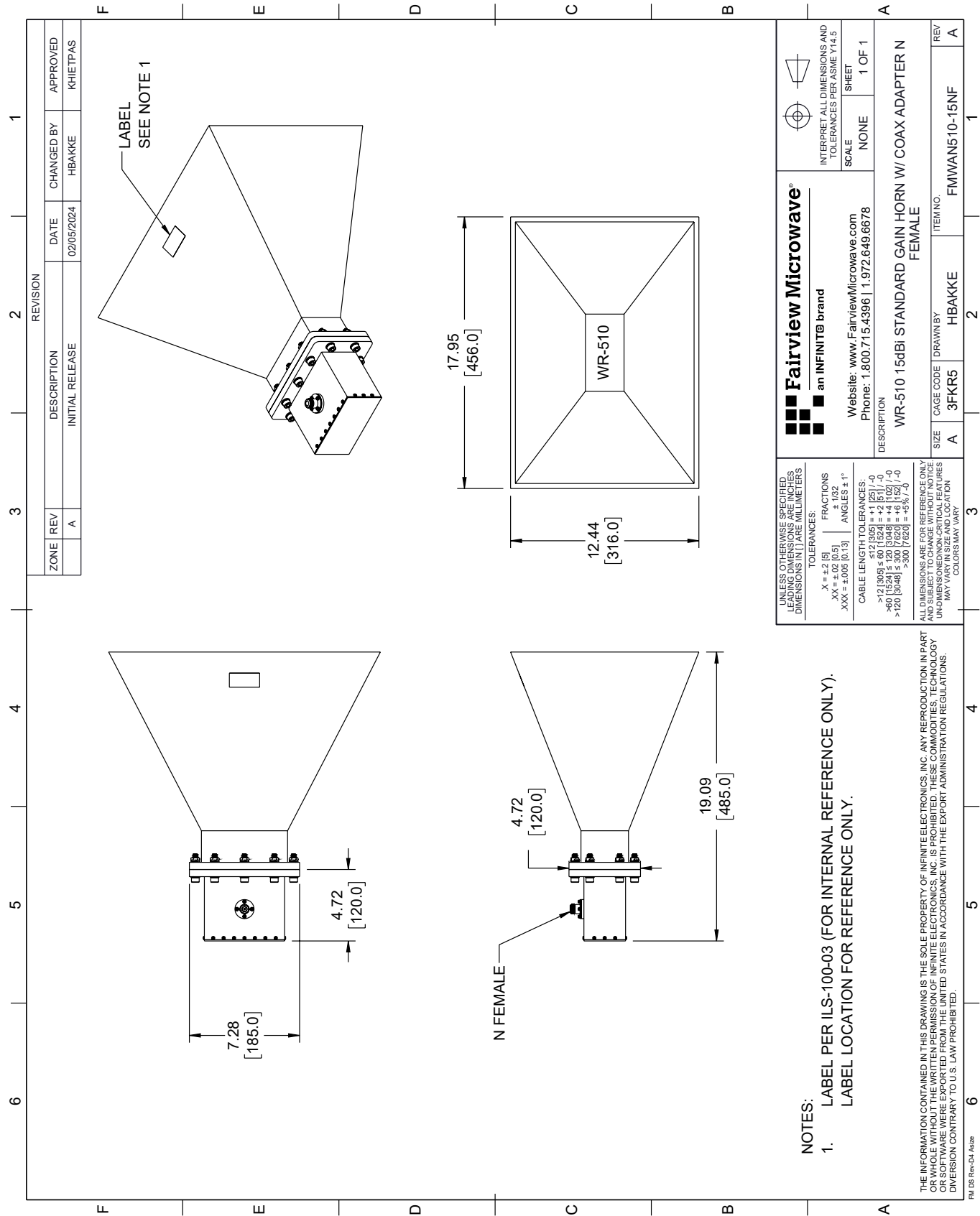
For additional information on this product, please click the following link: [WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 15 dBi Gain with N Type Female FMWAN510-15NF](#)

URL: <https://www.fairviewmicrowave.com/wr-510-waveguide-standard-gain-horn-antenna-operating-from-1.45-ghz-to-2.2-ghz-15-dbi-gain-with-n-type-female-fmwan510-15nf-p.aspx>

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FMWAN510-15NF CAD Drawing

WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 15 dBi Gain with N Type Female



NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY).

LABEL LOCATION FOR REFERENCE ONLY.

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FM DS Rev-D4 Altuz