



WR-430 Standard Gain Horn with 15 dBi gain, N Female connector

Technical Data Sheet

PEWAN430-15NF

Features

- 1.7 GHz to 2.6 GHz
- WR-430 Waveguide Band

- 15 dBi Nominal Gain
- N Female Connector

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use

- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test

Solutions

- Radar Cross Section
- Satellite Antenna Testing

Description

The PEWAN430-15NF standard gain horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-430 to N Female waveguide to coaxial adapter and operates from 1.7 GHz to 2.6 GHz.

Our PEWAN430-15NF 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. Pasternack's N Female to WR-430 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN430-15NF 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-430 waveguide antennas with N Female interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Design
Coaxial Interface

WR-430 Standard Gain Horn
N Female

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------------|---------|---------|---------|---------|
| Frequency Range | 1.7 | | 2.6 | GHz |
| Waveguide Standard Gain Horn | | | | |
| Gain | | 15 | | dBi |
| Horizontal Half Power Beam Width | | 31 | | Degrees |
| Vertical Half Power Beam Width | | 32 | | Degrees |
| Waveguide to Coaxial Adapter | | | | |
| Input VSWR | | | 1.3:1 | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-430 Standard Gain Horn with 15 dBi gain, N Female connector PEWAN430-15NF](#)

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Mechanical Specifications

Size

Length

18.146 in [460.91 mm]

Width

11.653 in [295.99 mm]

Height

8.385 in [212.98 mm]

Weight

5.7022 lbs [2.59 kg]

RF Connector

Type

N Female

Waveguide Interface

Waveguide Size

WR-430

Environmental Specifications

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

Plotted and Other Data

Notes:

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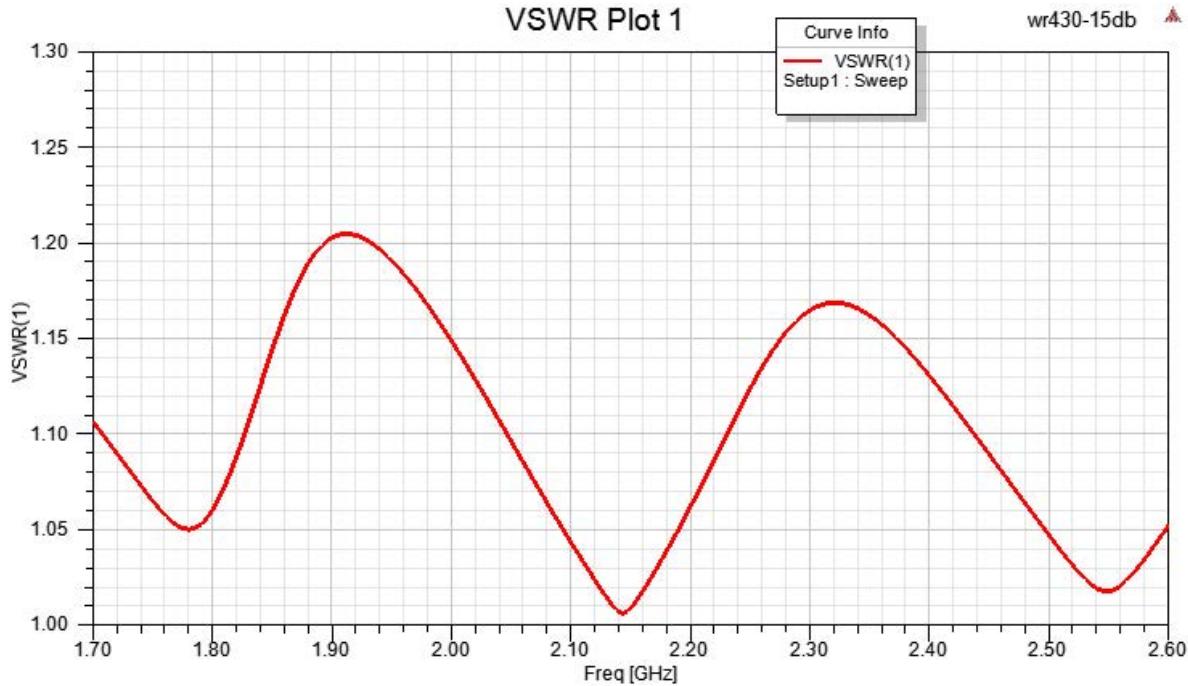


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Typical Performance Data



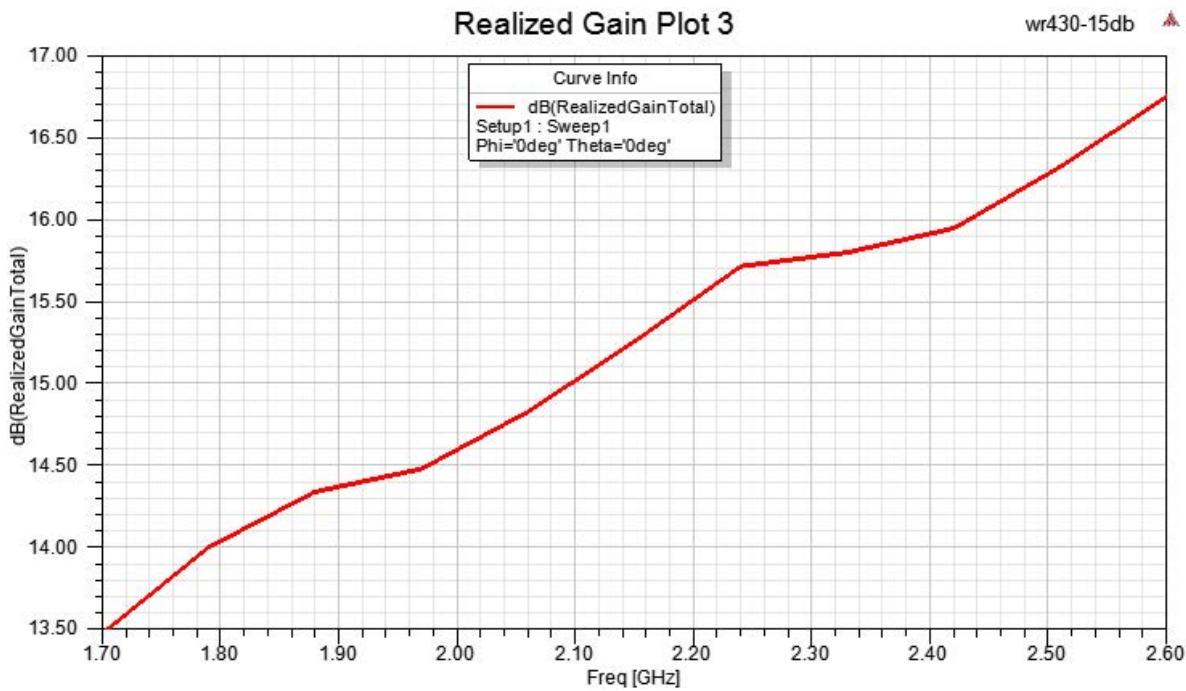
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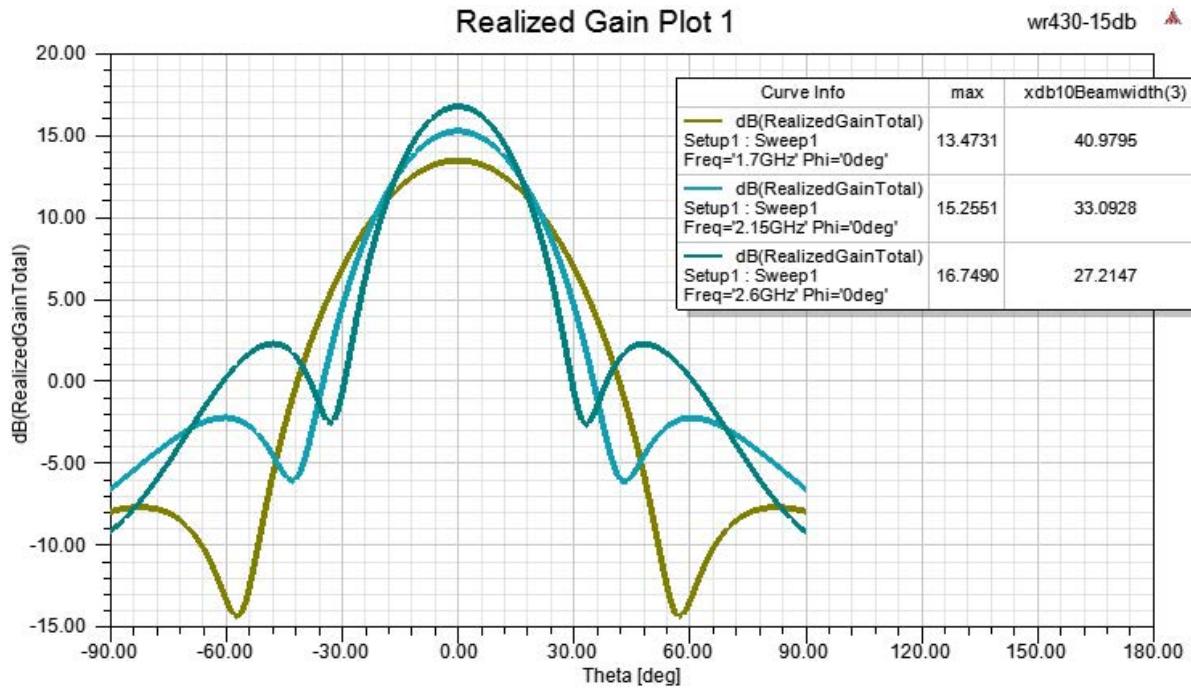
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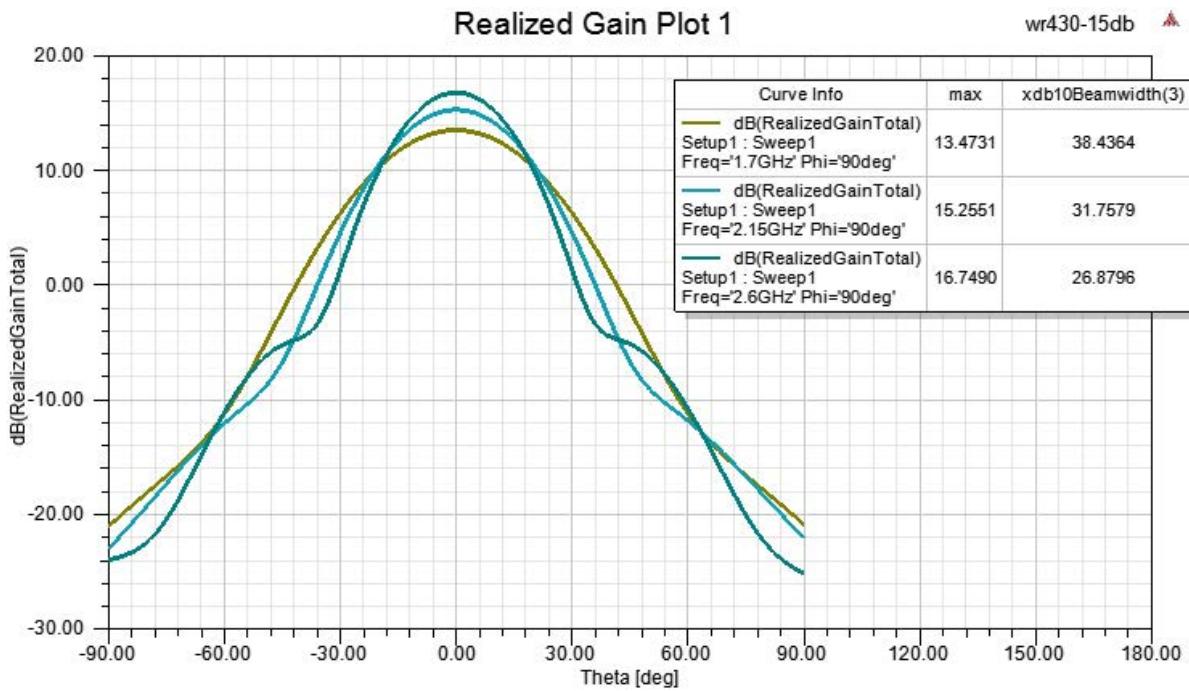
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WR-430 Standard Gain Horn with 15 dBi gain, N Female connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL:

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PEWAN430-15NF CAD Drawing

WR-430 Standard Gain Horn with 15 dBi gain, N Female connector

