

## WR-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 10 dBi Nominal Gain, CPR-430F Flange

The FMWAN430-10 standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 10 dBi. The Fairview Microwave 10 dBi WR-430 horn antenna operates from 1.7 GHz to 2.6 GHz (L Band). This WR-430 standard gain horn has a CPR-430F 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 52.1 and 51.6 degrees respectively. Fairview Microwave's WR-430 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. L Band standard gain horn antenna can ship the same day to anywhere in the world. The WR-430 FMWAN430-10 waveguide horn is part of over 40,000 RF, microwave and millimeter wave components available from Fairview Microwave.

### Configuration

Design	WR-430
Polarization	Linear

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	1.7		2.6	GHz
Nominal Gain		10		dB
Horizontal 3dB Beam Width		52.1		Deg
Vertical 3dB Beam Width		51.6		Deg
VSWR		1.3:1		

### Mechanical Specifications

#### Size

Length	7.874 in [200 mm]
Width/Diameter	6.536 in [166.01 mm]
Height	5.246 in [133.25 mm]
Weight	7.45 lbs [3.38 kg]

#### Waveguide Interface

Waveguide Size	WR-430
Flange Type	CPR-430F
Body Material and Plating	Aluminum, Gray



### Features:

- WR-430 Rectangular Waveguide Interface
- 1.7 GHz to 2.6 GHz
- 10 dBi Nominal Gain
- CPR-430F Cover Flange
- L Band

### Applications:

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

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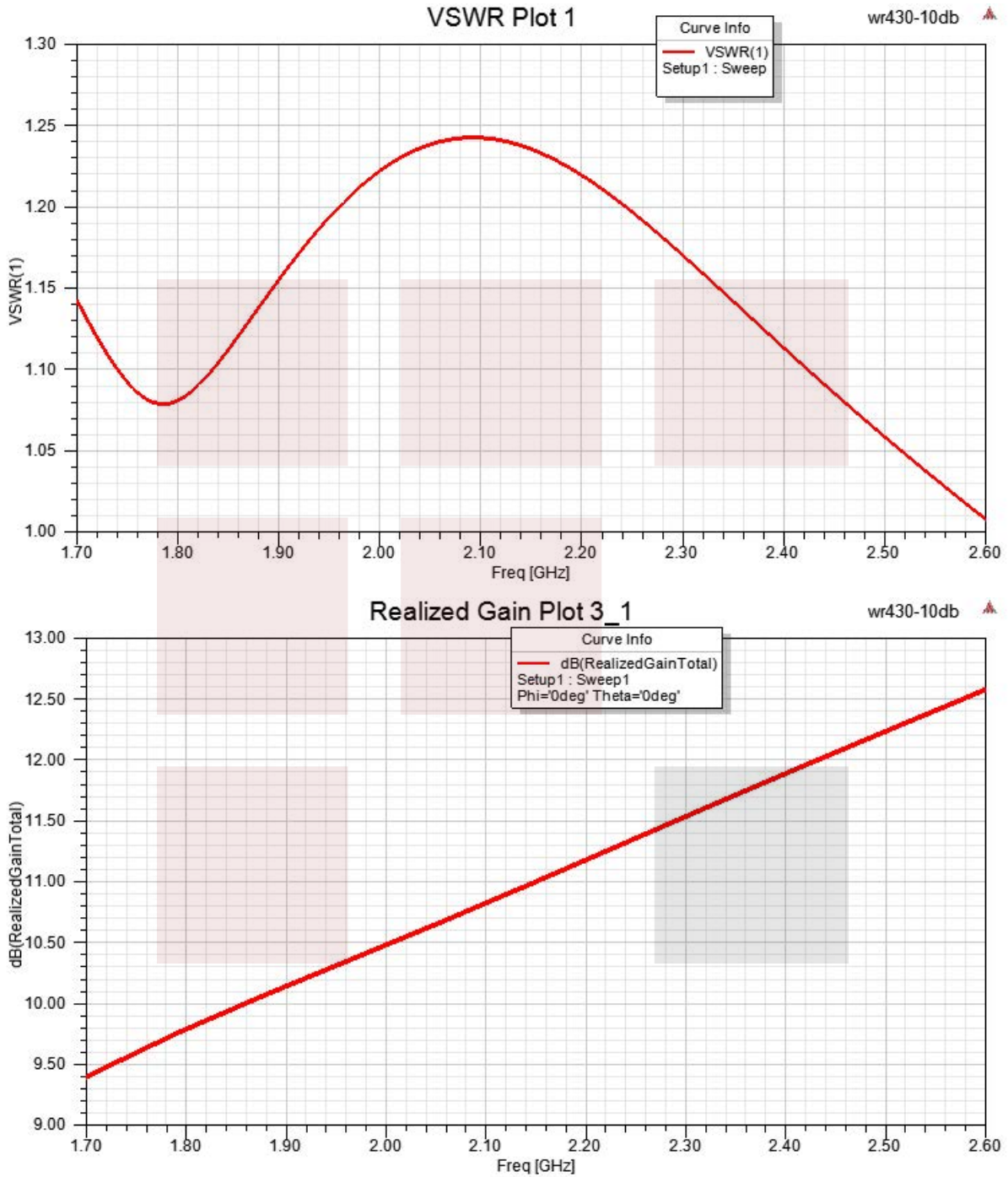
**Compliance Certifications** (see [product page](#) for current document)

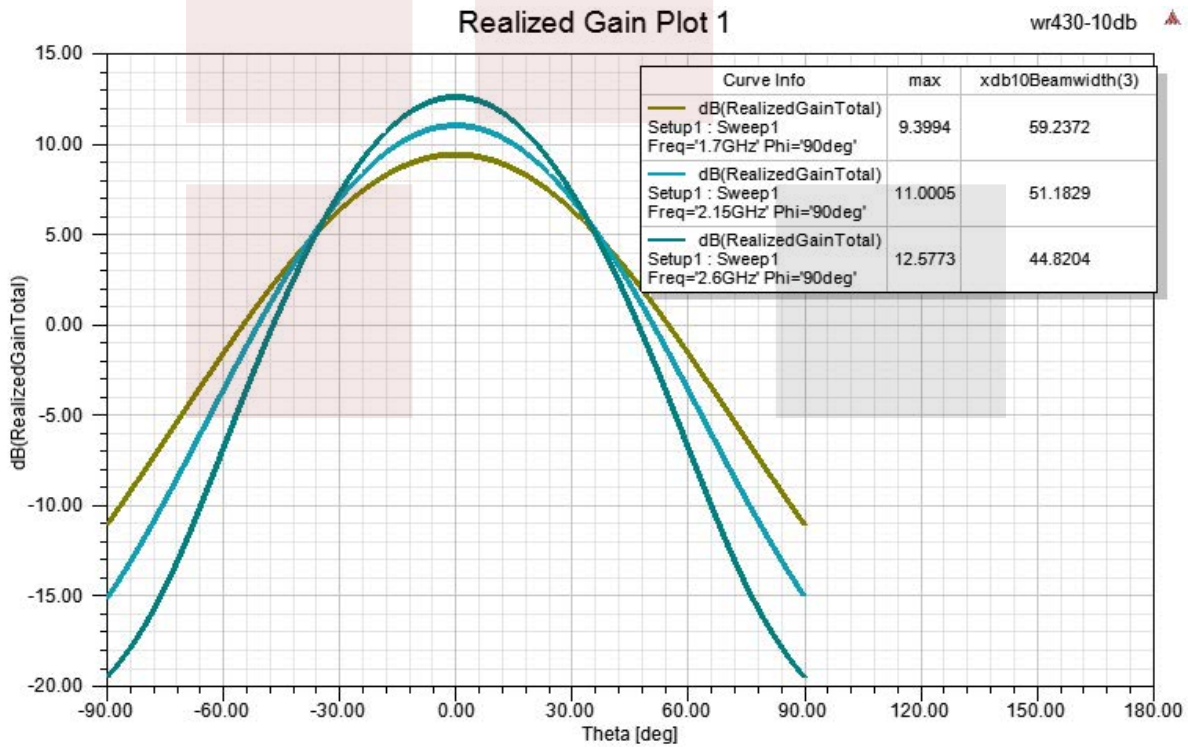
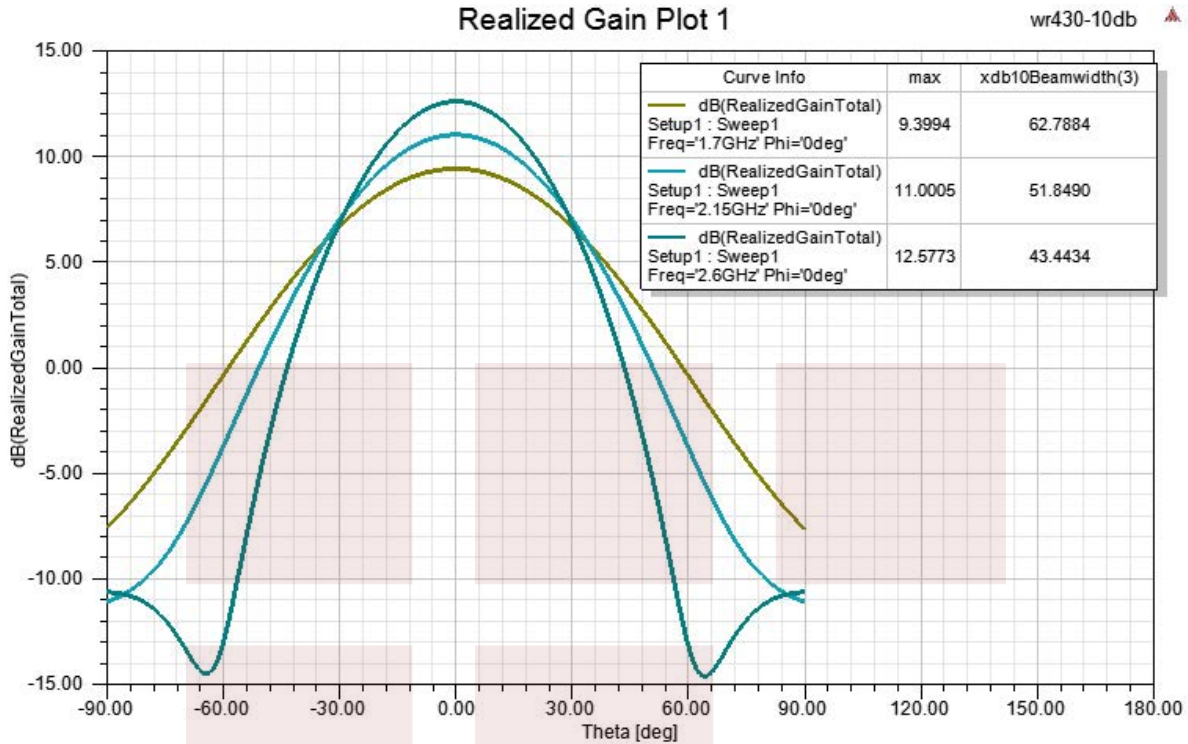
### Plotted and Other Data

Notes:

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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Typical Performance Data**



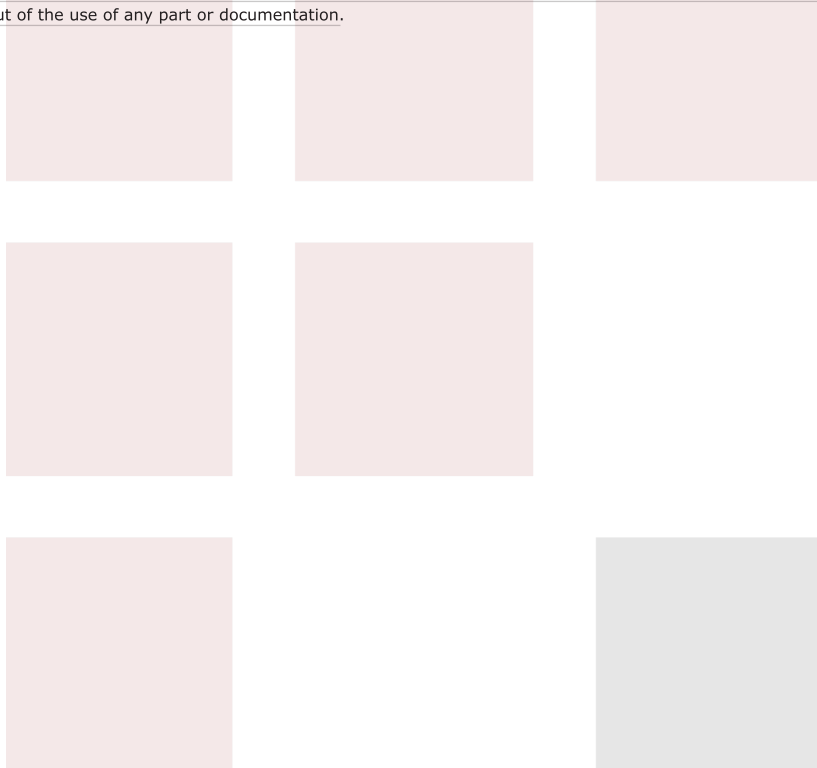


WR-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 10 dBi Nominal Gain, CPR-430F Flange from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

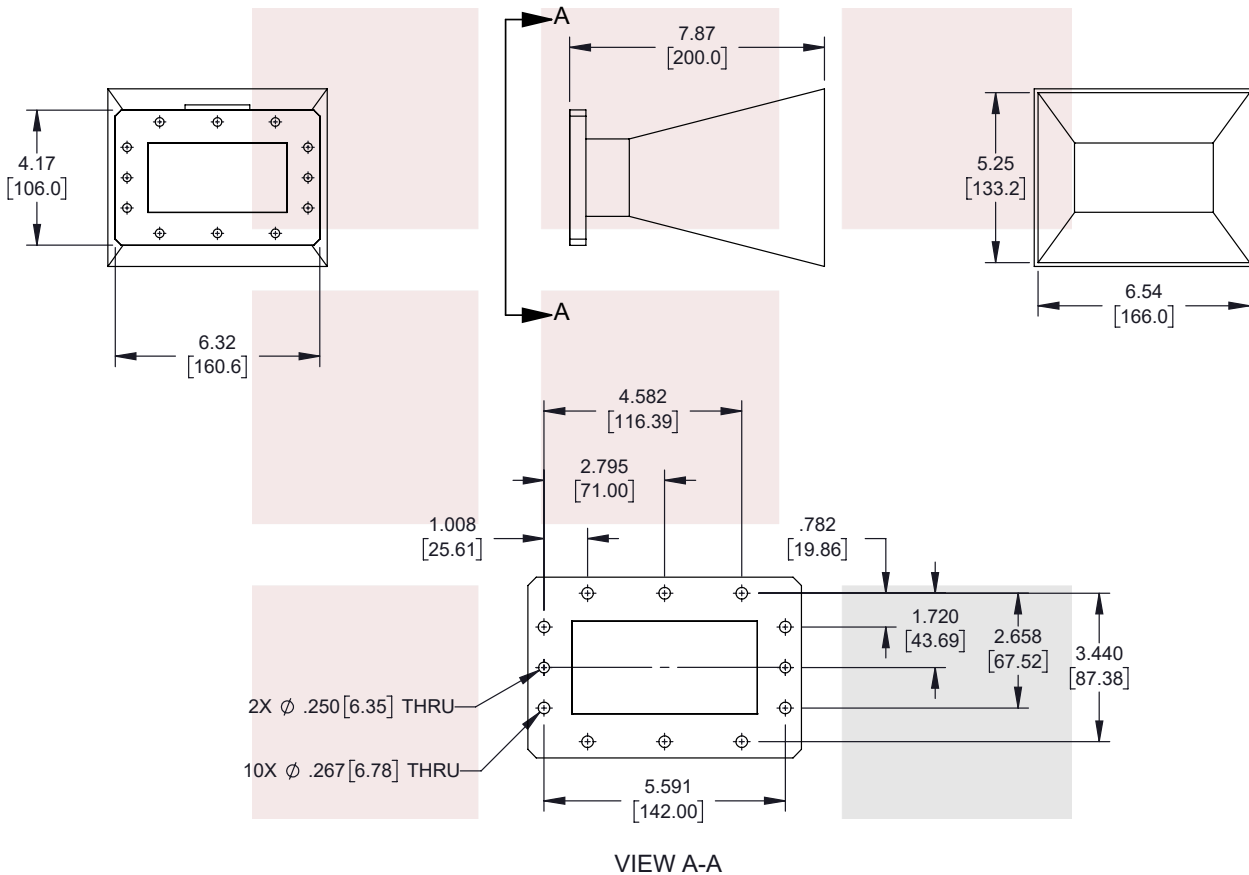
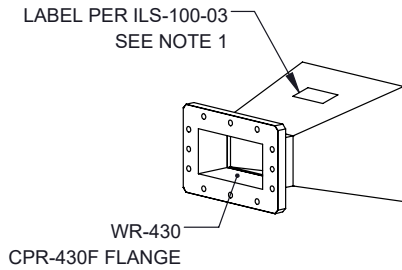
For additional information on this product, please click the following link: [WR-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 10 dBi Nominal Gain, CPR-430F Flange FMWAN430-10](#)

URL: <https://www.fairviewmicrowave.com/wr-430-waveguide-standard-gain-horn-10-db-fmwan430-10-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/03/2021	KHIETPAS



- NOTES:  
1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)  
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	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
TITLE  WR-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 10 dBi Nominal Gain, CPR-430F Flange	.X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ANGLES ± 1° .XXX = ±.005 [.13]	L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0	THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.	
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SIZE A	CAGE CODE 3FKR5	DRAWN BY DZINN	ITEM NO. FMWAN430-10	REV A

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