

WR-284 Standard Gain Horn Antenna Operating From 2.6 GHz to 3.95 GHz, 15 dBi Nominal Gain, CMR-284 Flange

The FMWAN284-15 standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 15 dBi. The Fairview Microwave 15 dBi WR-284 horn antenna operates from 2.6 GHz to 3.95 GHz (S Band). This WR-284 standard gain horn has a CMR-284 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 31 and 32 degrees respectively. Fairview Microwave's WR-284 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. S Band standard gain horn antenna can ship the same day to anywhere in the world. The WR-284 FMWAN284-15 waveguide horn is part of over 40,000 RF, microwave and millimeter wave components available from Fairview Microwave.

Configuration

Design	WR-284
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2.6		3.95	GHz
Nominal Gain		15		dB
Horizontal 3dB Beam Width		31		Deg
Vertical 3dB Beam Width		32		Deg
VSWR		1.3:1		

Mechanical Specifications

Size

Length	9.685 in [246 mm]
Width/Diameter	7.697 in [195.5 mm]
Height	5.538 in [140.67 mm]

Waveguide Interface

Waveguide Size	WR-284
Flange Type	CMR-284
Body Material and Plating	Aluminum, Gray



Features:

- WR-284 Rectangular Waveguide Interface
- 2.6 GHz to 3.95 GHz
- 15 dBi Nominal Gain
- CMR-284 Cover Flange
- S Band

Applications:

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

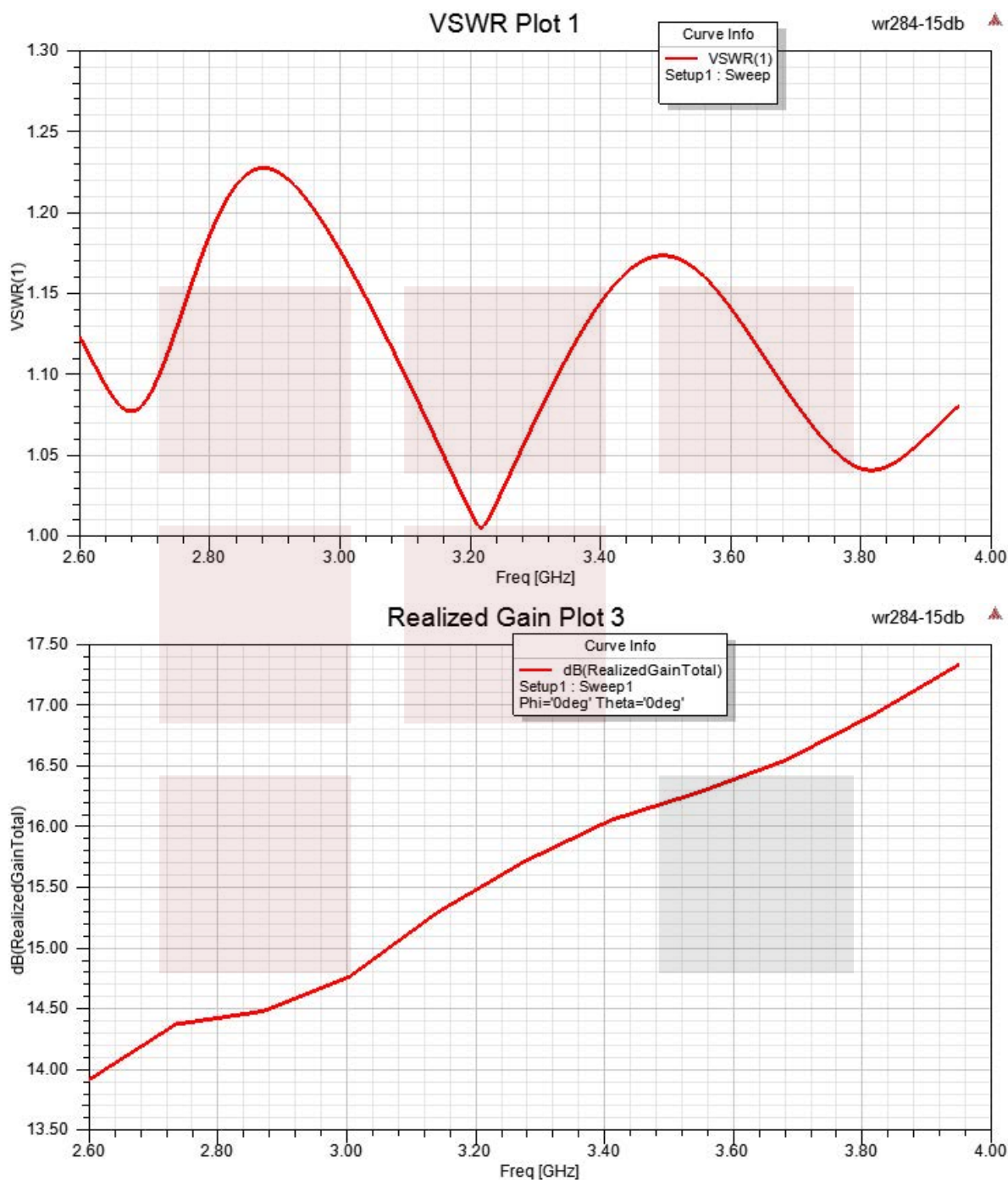
Compliance Certifications (see [product page](#) for current document)

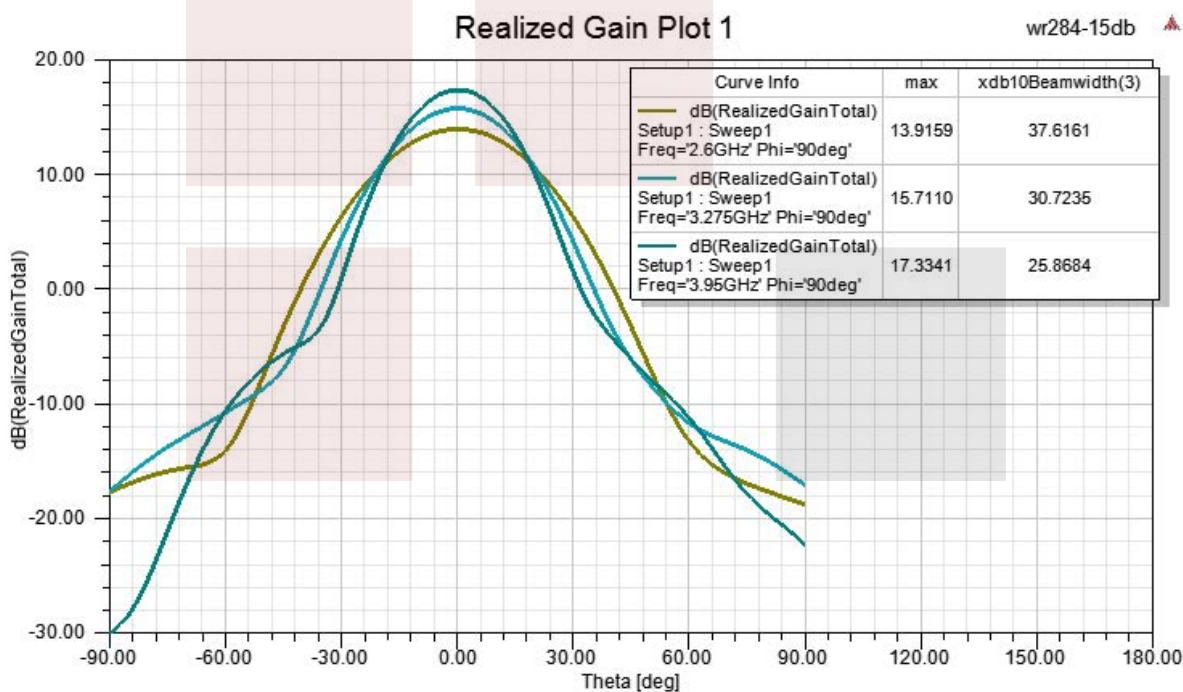
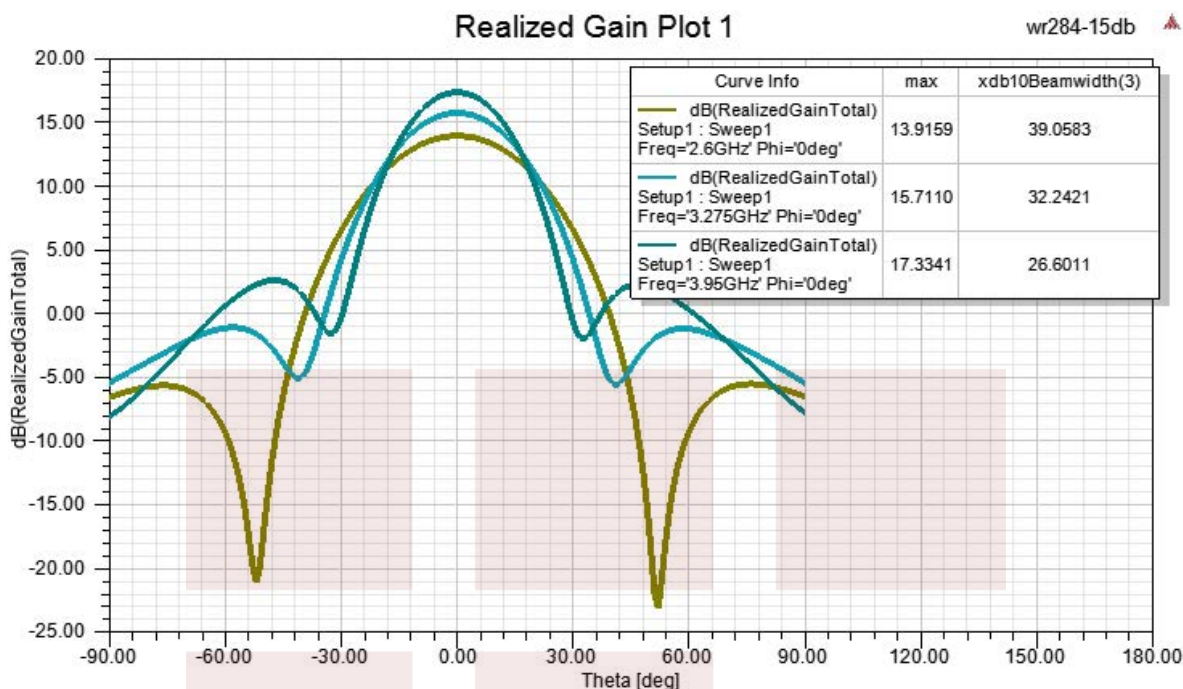
Plotted and Other Data

Notes:

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Typical Performance Data





WR-284 Standard Gain Horn Antenna Operating From 2.6 GHz to 3.95 GHz, 15 dBi Nominal Gain, CMR-284 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.

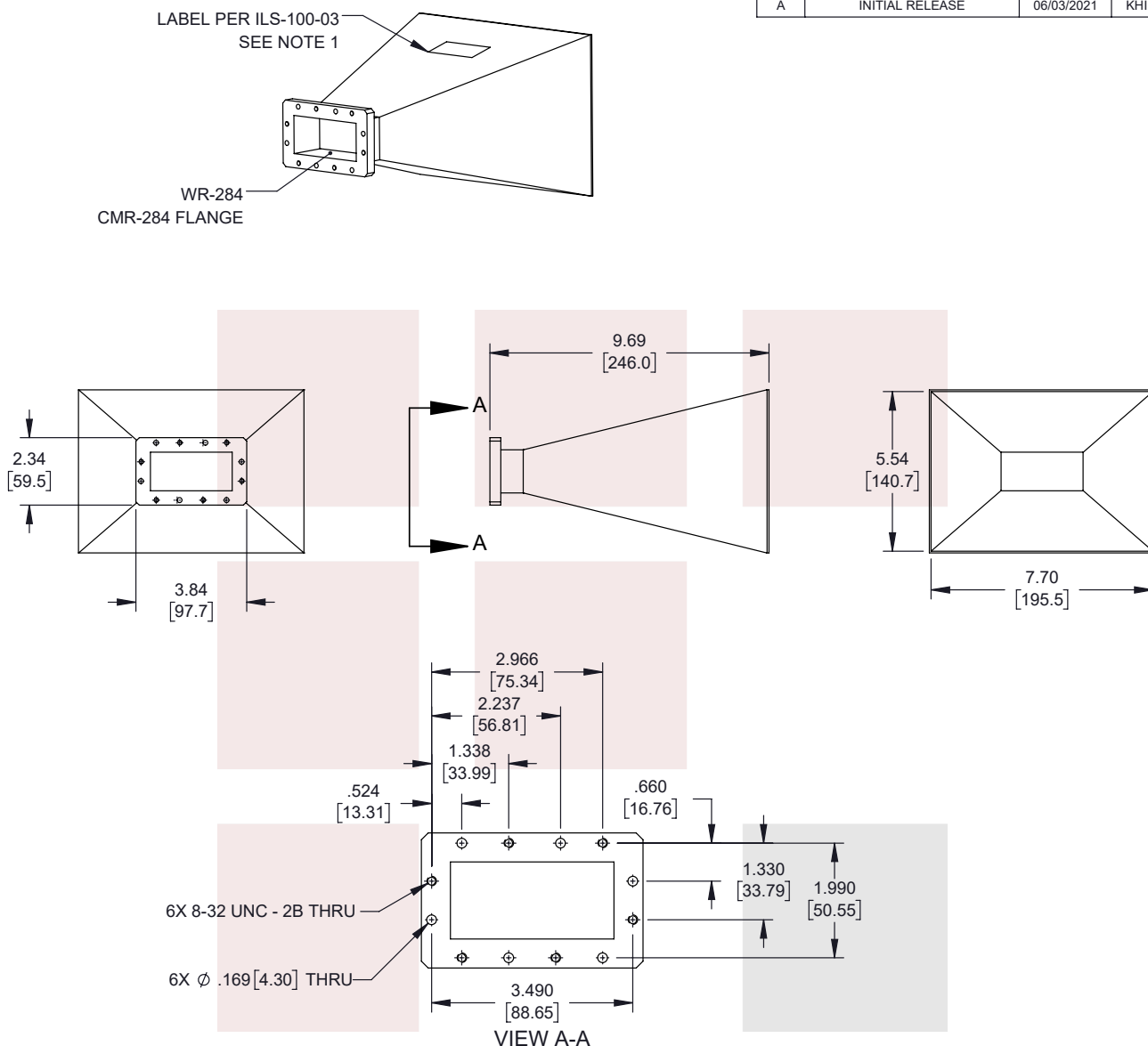
For additional information on this product, please click the following link: [WR-284 Standard Gain Horn Antenna Operating From 2.6 GHz to 3.95 GHz, 15 dBi Nominal Gain, CMR-284 Flange FMWAN284-15](#)

URL: <https://www.fairviewmicrowave.com/wr-284-waveguide-standard-gain-horn-15-db-none-fmwan284-15-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)
LABEL LOCATION FOR REFERENCE ONLY

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TITLE

WR-284 Standard Gain Horn Antenna Operating From
2.6 GHz to 3.95 GHz, 15 dBi Nominal Gain, CMR-284
Flange

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE

N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DZINN	FMWAN284-15	A

T-Rev.D