

Broadband Horn Antenna, Dual Polarized 42 GHz to 44 GHz 21 dBi Gain, 2.4mm Female Connector

The FMWAN1171 dual polarized broadband horn antenna (also known as a waveguide horn antenna) from Fairview Microwave is part of our comprehensive selection of broadband antennas. This waveguide horn features dual 2.4mm Female coaxial connector and operates from 42 GHz to 44 GHz.

Our FMWAN1171 dual polarized broadband horn antenna has a nominal gain of 21 dBi with a typical input VSWR of 1.2:1. Fairview Microwave's broadband horns are available with gain values from 6 to 21 dBi with varying frequency ranges to suit the application needs.

Waveguide horn antennas, such as the FMWAN1171 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 broadband antennas are part of over 40,000 RF, microwave, and millimeter wave components from Fairview Microwave available worldwide and ship same day.

Configuration

Pattern	Directional
Polarization	Dual Linear
Antenna Design Type	Broadband Gain Horn
RF Connector	2.4mm Female

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	42		44	GHz
Gain		21		dBi
VSWR		1.2:1		

Mechanical Specifications

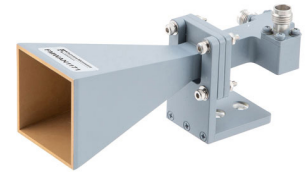
Size	
Length	1.141732 in 29 mm
Width	1.141732 in 29 mm
Height	3.070866 in 78 mm
Weight	0.13 lbs 58.97 g
Body Material and Plating	Aluminum
RF Connector	2.4mm Female

Environmental Specifications

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

Plotted and Other Data

Notes:



Features:

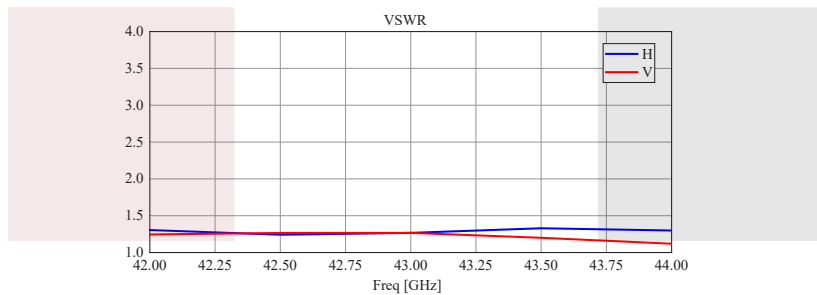
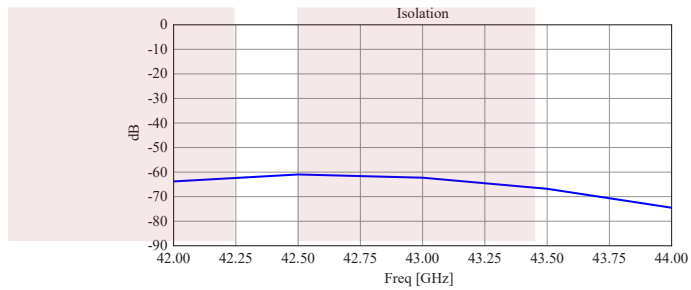
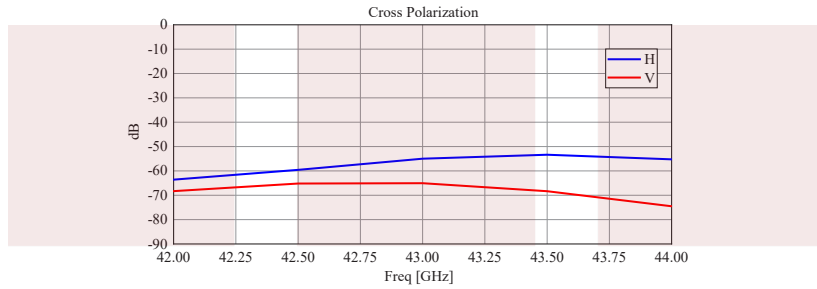
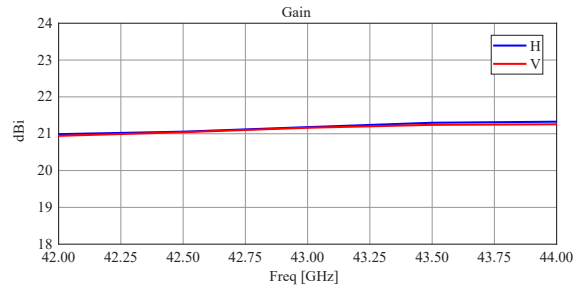
- Ultra Broadband 42 GHz to 44 GHz
- Dual Polarized
- 21 dBi Nominal Gain
- Dual 2.4mm Female Coaxial Connector
- Mounting Bracket Included
- Powder Coated Aluminum

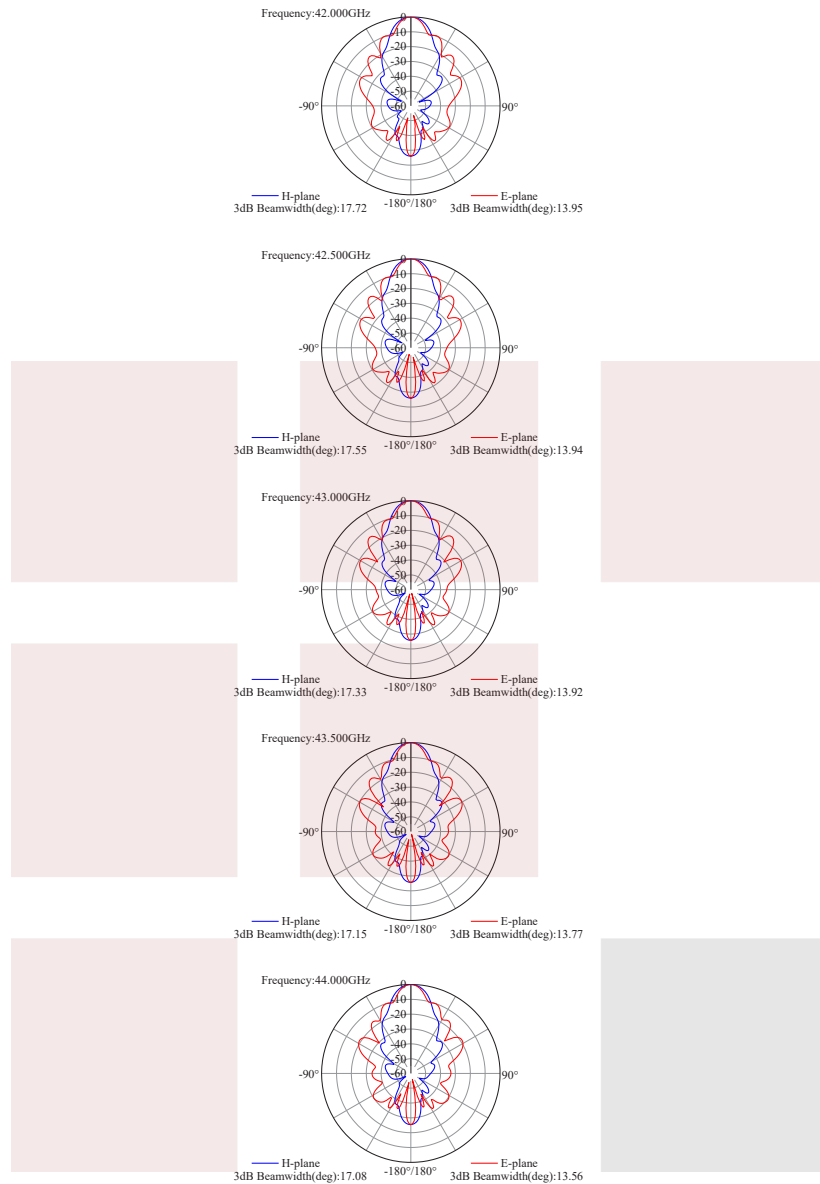
Applications:

- Antenna Measurements
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing
- Radar Cross Section

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Typical Performance Data





Broadband Horn Antenna, Dual Polarized 42 GHz to 44 GHz 21 dBi Gain, 2.4mm Female Connector 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: [Broadband Horn Antenna, Dual Polarized 42 GHz to 44 GHz 21 dBi Gain, 2.4mm Female Connector FMWAN1171](#)

URL: <https://www.fairviewmicrowave.com/waveguide-horn-antenna-flange-21dbi-44-ghz-fmwan1171-p.aspx>

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

