

Broadband Horn Antenna, Dual Polarized 18 GHz to 54 GHz 15 dBi Gain, 2.4mm Female Connector

The FMWAN1168 dual polarized broadband horn antenna (also known as a quad ridge horn antenna) from Fairview Microwave is part of our comprehensive selection of broadband antennas. This quad-ridge waveguide horn features dual 2.4mm Female coaxial connector and operates from 18 GHz to 54 GHz.

Our FMWAN1168 dual polarized broadband horn antenna has a nominal gain of 15 dBi with a typical input VSWR of 1.5:1. Fairview Microwave's broadband horns are available with gain values from 6 to 21 dBi with varying frequency ranges to suit the application needs.

Quad ridge horn antennas, such as the FMWAN1168 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	18		54	GHz
Gain		15		dBi
VSWR		1.5:1		

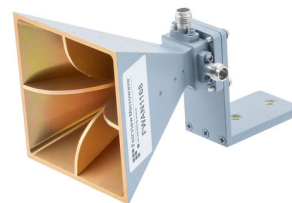
Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	18 to 24	24 to 30	30 to 38	38 to 44	44 to 52	GHz
Gain, Typ	13	15.5	14	14.5	16	dB

Mechanical Specifications

Size	
Length	2.362205 in 60 mm
Width	2.362205 in 60 mm
Height	3.740157 in 95 mm
Weight	0.215 lbs 97.52 g
Body Material and Plating	Aluminum
RF Connector	2.4mm Female

Environmental Specifications



Features:

- Ultra Broadband 18 GHz to 54 GHz
- Quad-Ridge Waveguide
- Dual Polarized
- 15 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

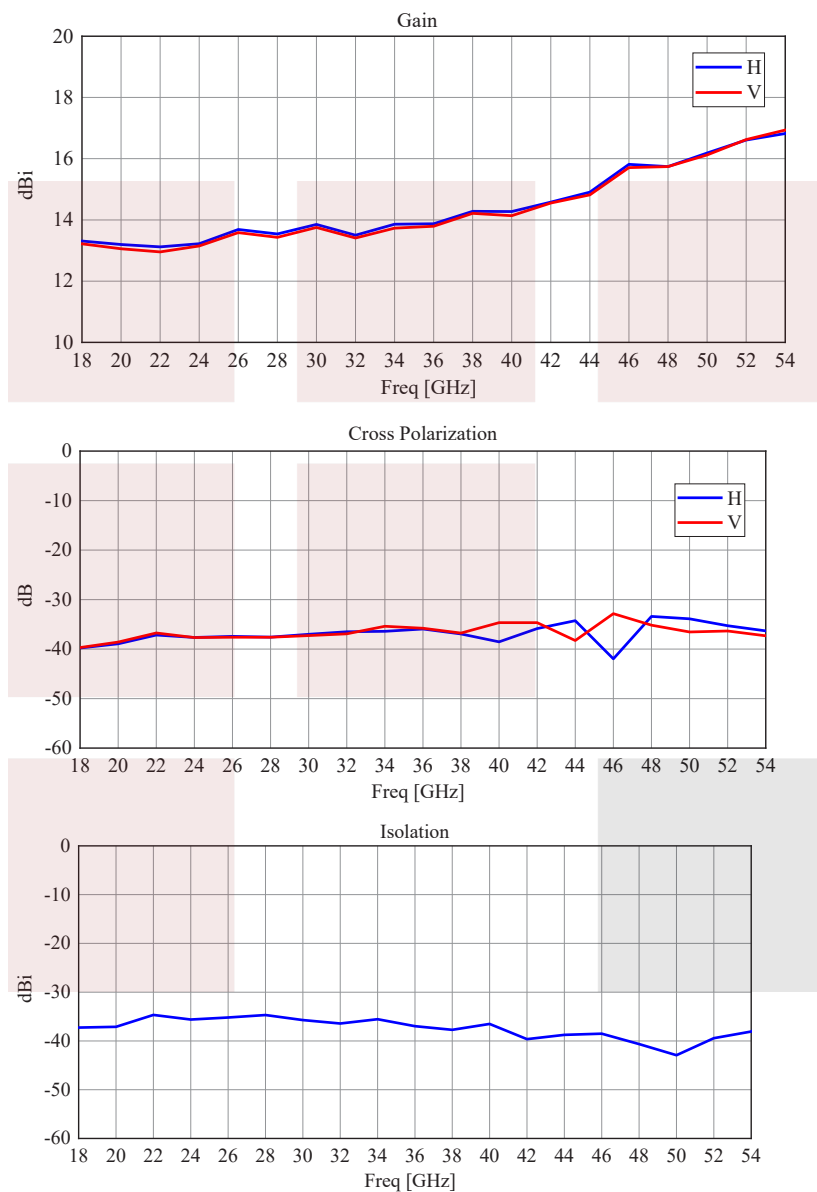
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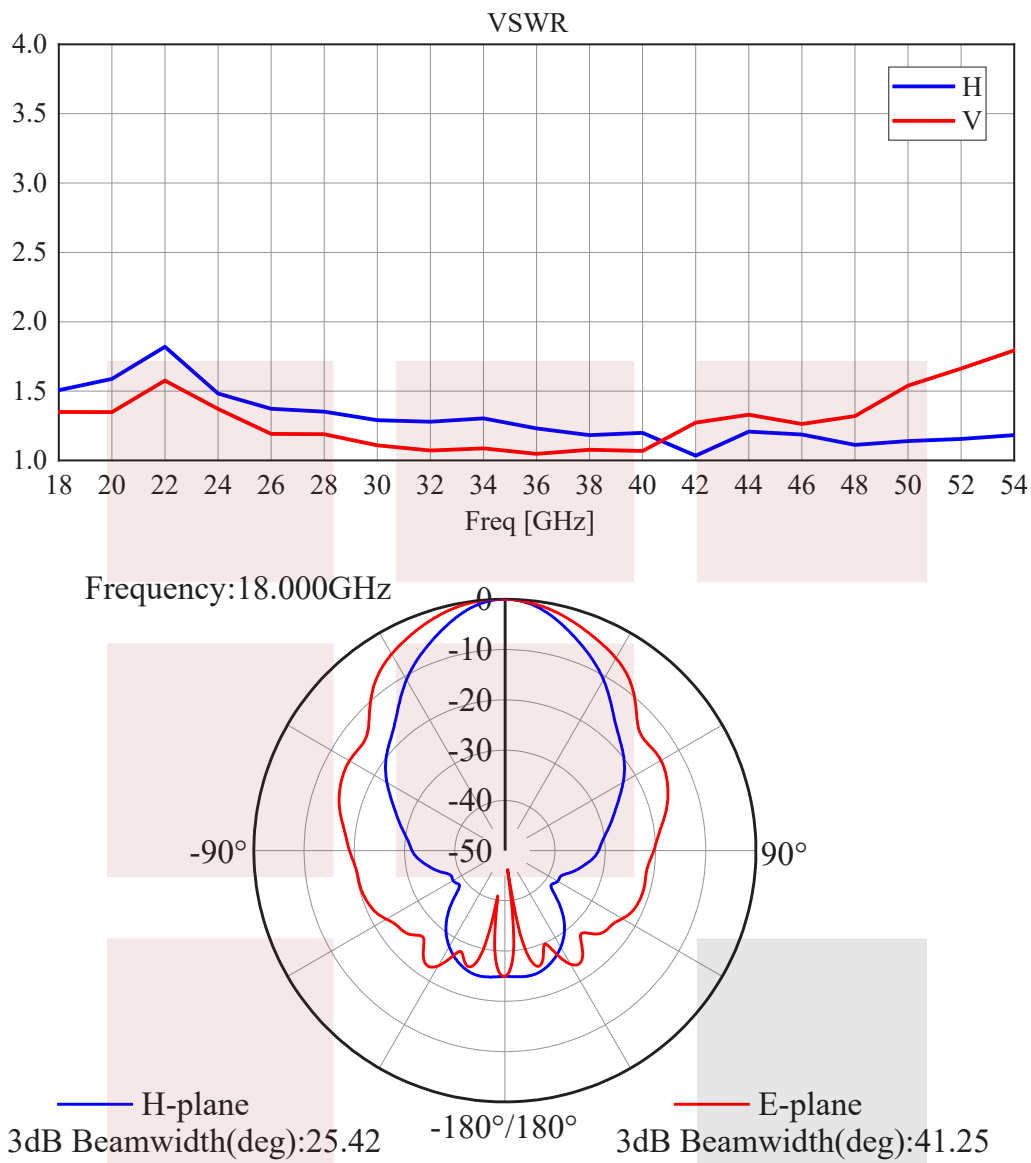
Compliance Certifications (see [product page](#) for current document)

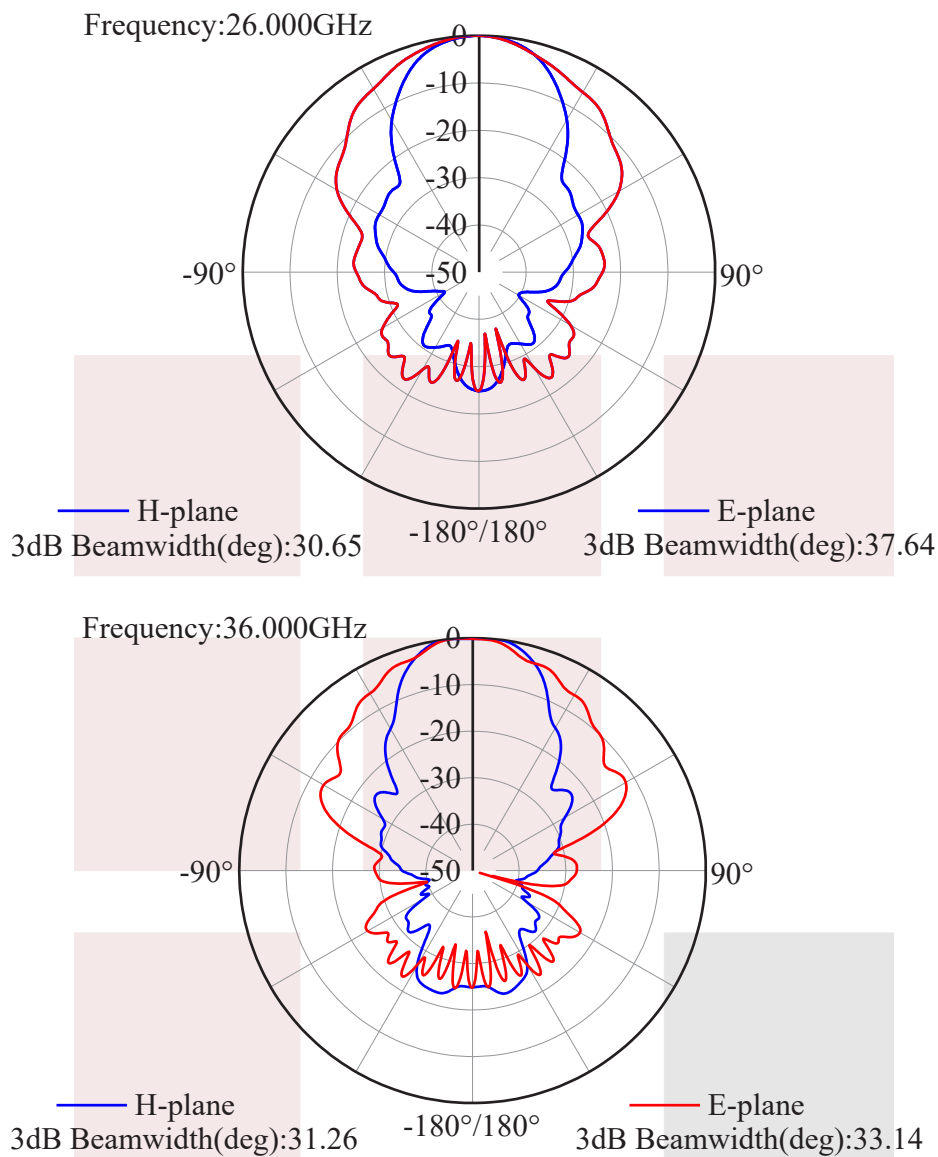
Plotted and Other Data

Notes:

Typical Performance Data







Broadband Horn Antenna, Dual Polarized 18 GHz to 54 GHz 15 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 18 GHz to 54 GHz 15 dBi Gain, 2.4mm Female Connector FMWAN1168](https://www.fairviewmicrowave.com/waveguide-horn-antenna-flange-15dbi-54-ghz-fmwan1168-p.aspx)

URL: <https://www.fairviewmicrowave.com/waveguide-horn-antenna-flange-15dbi-54-ghz-fmwan1168-p.aspx>

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