

Standard Gain Horn

22 to 33 GHz, WR34, 26 dBi Gain

DESCRIPTION

Anteral's Standard Gain Horns are high performance antennas designed to exhibit smooth gain response in the whole band and very low VSWR. The antenna exterior appearances are designed to minimize weight, improve robustness and offer a sharp aperture. No soldering for flanges and no screws for attaching parts are included.

The SGH-26-WR34 model operates between 22 and 33 GHz with 26 dBi nominal mid-band gain and a typical VSWR of 1.1.

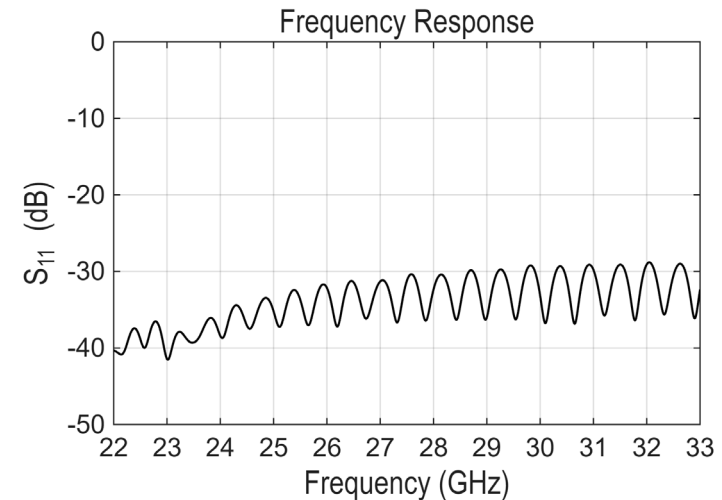
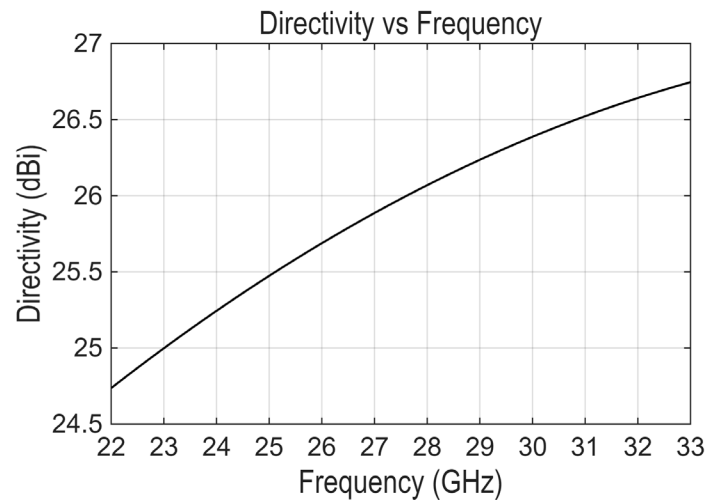
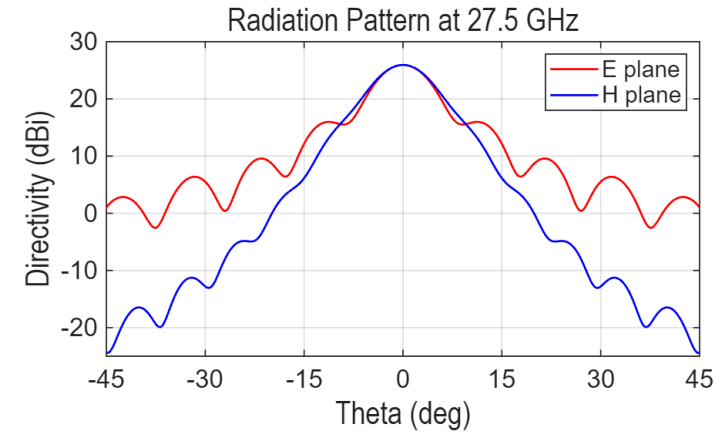
APPLICATIONS

This type of horns is especially suitable for laboratory test measurements, electromagnetic measurements and gain calibration. Moreover, custom bands and gain values can be requested.

Anteral also offers their **Lens Horn Antennas** with plano-convex High Density Polyethylene (HDPE) lenses to exhibit high gain (>30 dBi) with minimum size.

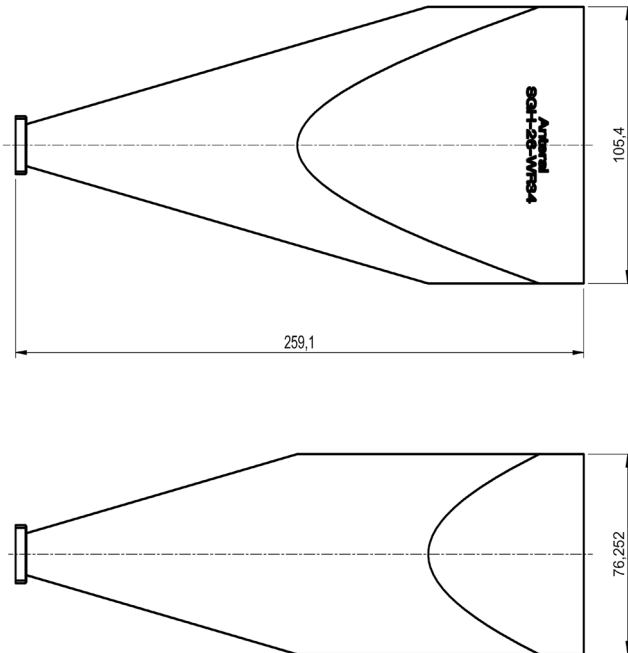
ELECTRICAL SPECIFICATIONS

Parameter	Typical value
Frequency	22 - 33 GHz
Directivity	26 dBi
3 dB Beamwidth, E-plane	8.19 deg
3 dB Beamwidth, H-plane	8.6 deg
Sidelobe, E-plane	-10 dB
Sidelobe, H-plane	-30.7 dB
S11	-25 dB

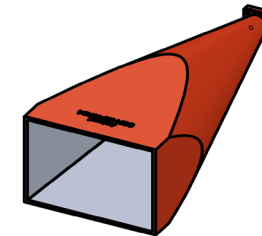
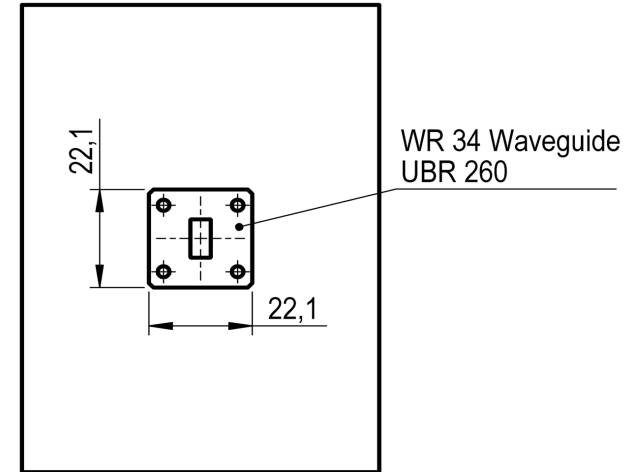


MECHANICAL SPECIFICATIONS

Parameter	Description
Antenna Port	WR-34 (8.636 mm x 4.318 mm)
Flange	UBR-260
Length	259.1 mm
Total weight	1300 g
Material	Aluminum
External Color	Ruby Red



MECHANICAL OUTLINE



Additional notes

Directivity and radiation pattern data are simulated. Actual values could vary slightly.

The return loss performance of all items is checked before delivery.

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