

Multi Octave Horn Antenna

OBH-200D-15

The EC' Multi Octave Horn Antenna is a broadband antenna that offers excellent performance over the frequency range of 2 GHz to 4.8 GHz. High gain, low VSWR, and input handling capability up to 10 watts make this horn antenna an excellent general use performer.

The antennas offer a very low SWR in their nominal frequency range and a very broad bandwidth. The gain increases with frequency up to approx. 16 dBi, depending on the horn's size and shape. The increasing gain with frequency helps to compensate cable losses.

The EC' Multi Octave Horn Antenna manufacturing process changed from dip brazing to 100% machining. This allows for a more accurate and repeatable antenna performance that is critical at the higher frequencies.



Features

Broad Frequency Range of 2 GHz to 4.8 GHz

Linearly Polarized High Gain, Low VSWR

Individually Calibrated

Linear polarized with high polarization purity

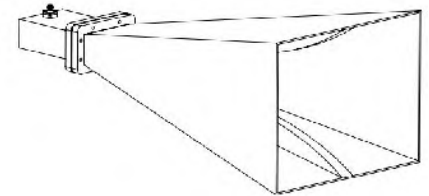
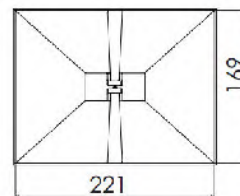
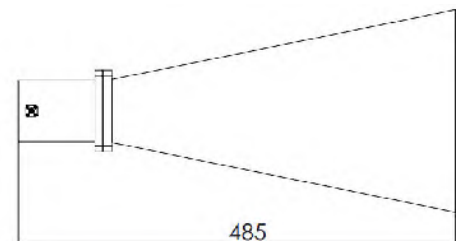
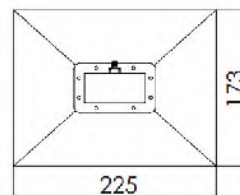
Applications

Navigation

Guidance field

System Setup

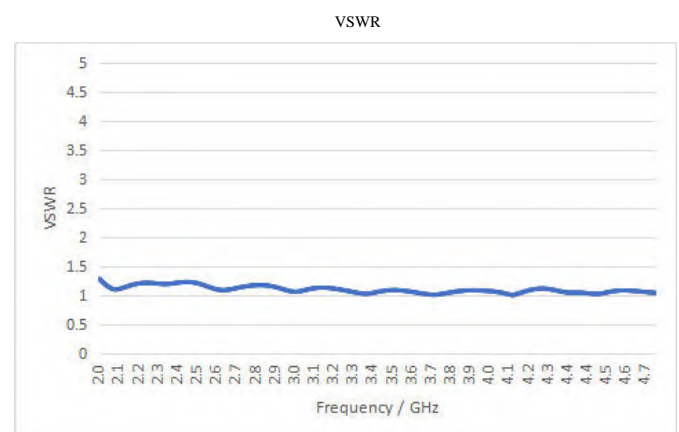
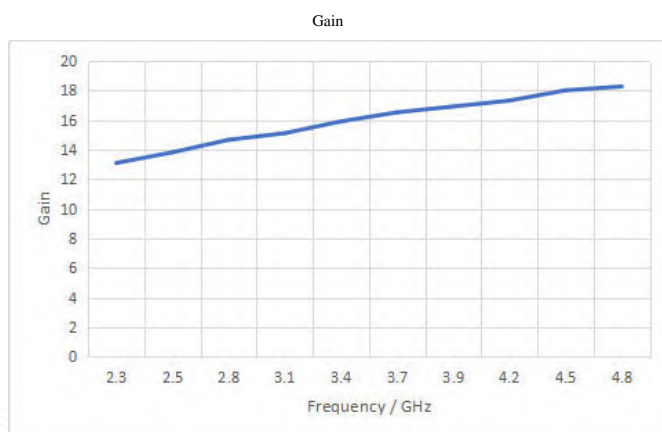
Product Dimensions



Electrical Specifications

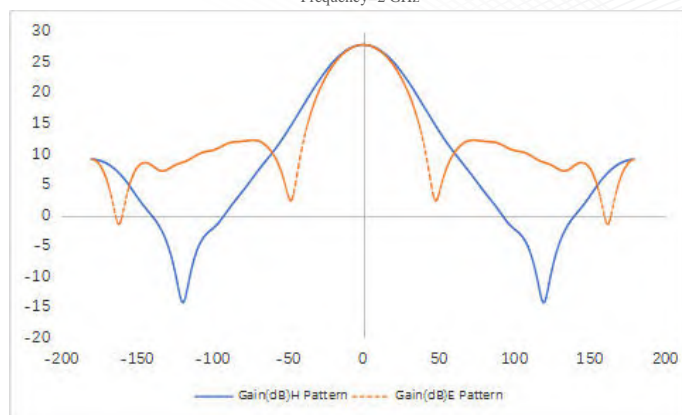
Frequency	(2 - 4.8) GHz
Gain	(15) dBi
Polarization mode	linear
3dB Beam Width	40-20
VSWR	2.0 Max.
connector	SMA or N
Dimensions (mm)	245x195x407
weight (Kg)	2.5

Test

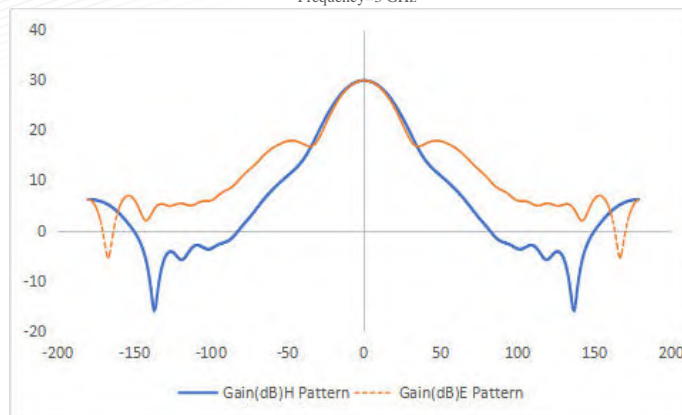




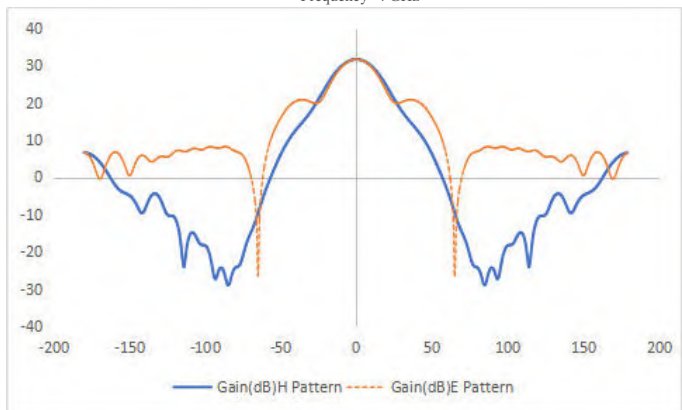
Frequency=2 GHz



Frequency=3 GHz



Frequency=4 GHz



Frequency=4.8 GHz

