

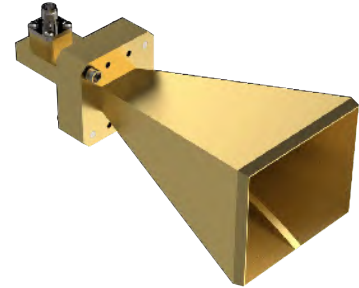
Multi Octave Horn Antenna

OBH-110D-15

The EC' Multi Octave Horn Antenna is a broadband antenna that offers excellent performance over the frequency range of 11 GHz to 26.5 GHz. High gain, low VSWR, and input handling capability up to 10 watts make this horn antenna an excellent general user 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 11 GHz to 26.5 GHz

Linearly Polarized High Gain, Low VSWR

Individually Calibrated

Linear polarized with high polarization purity

Applications

Navigation

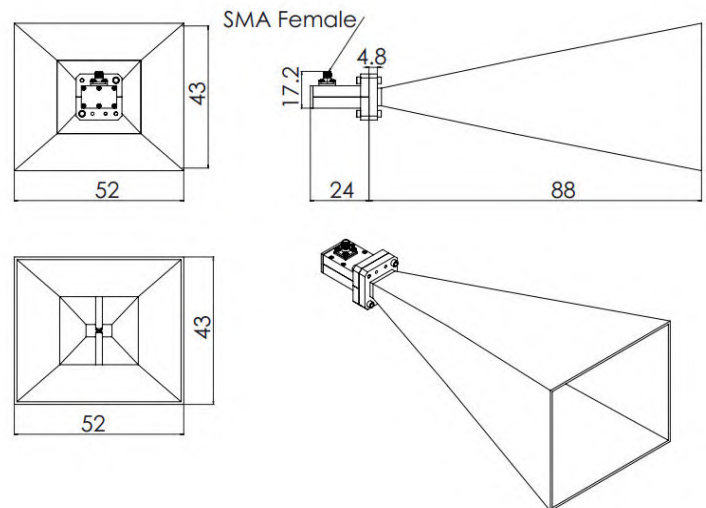
Guidance field

System Setup

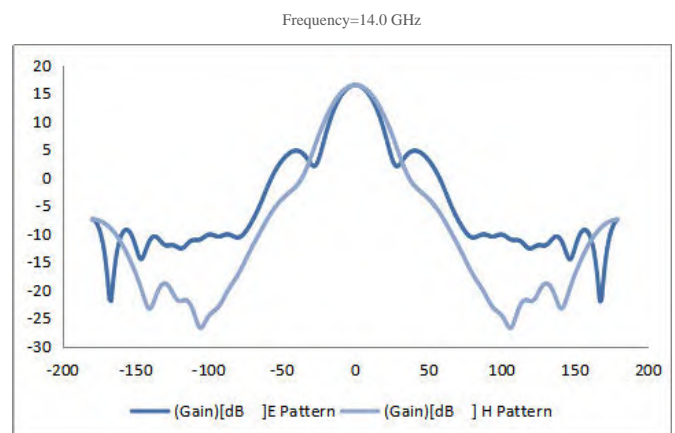
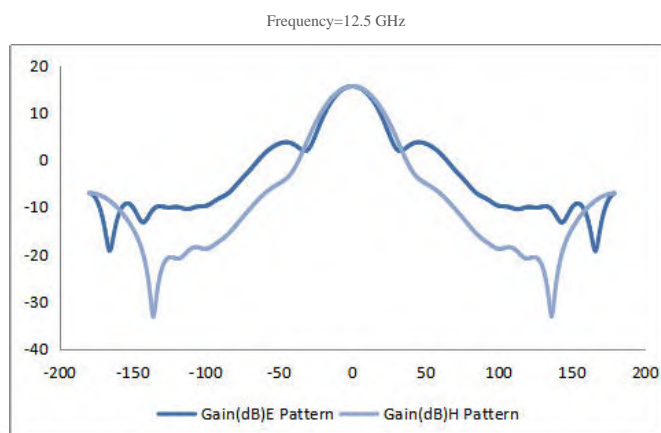
Electrical Specifications

Frequency	(11-26.5) GHz
Gain	(15) dBi
Polarization mode	linear
3dB Beam Width	40-20
VSWR	2.0 Max.
connector	SMA
Dimensions (mm)	53*43*112
weight (Kg)	0.15

Product Dimensions

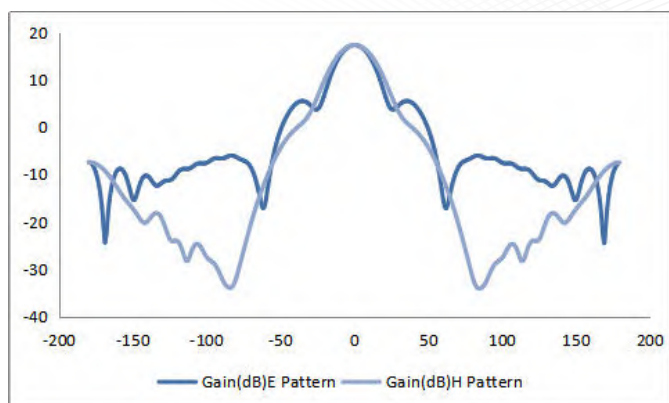


Test

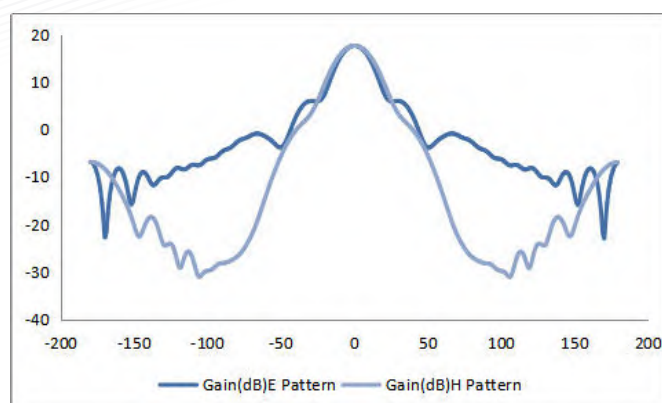




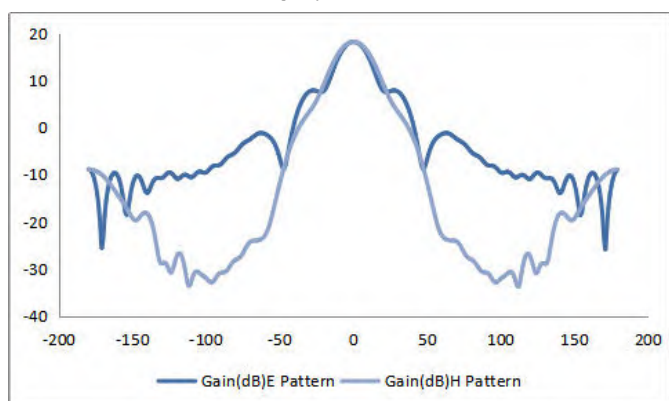
Frequency=15.5 GHz



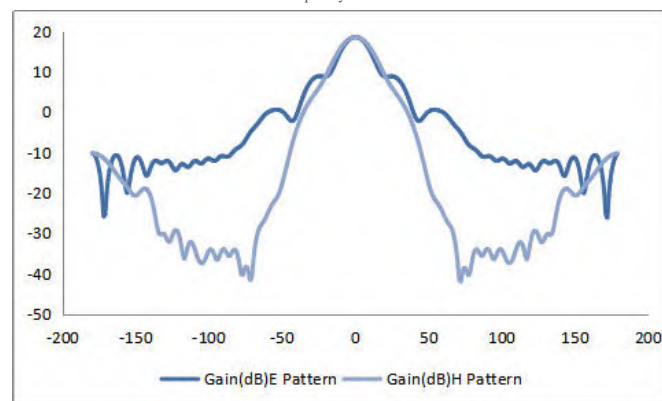
Frequency=17 GHz



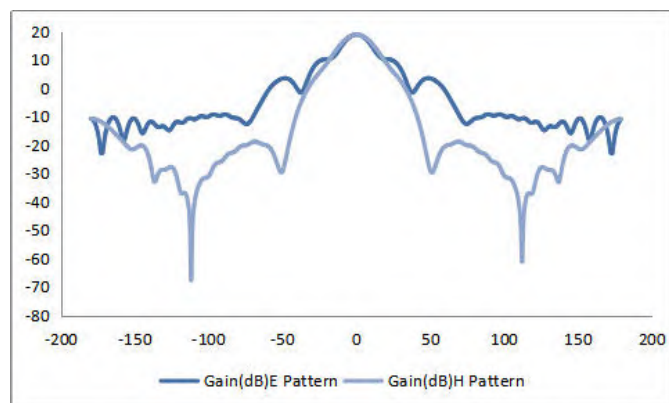
Frequency=18.5 GHz



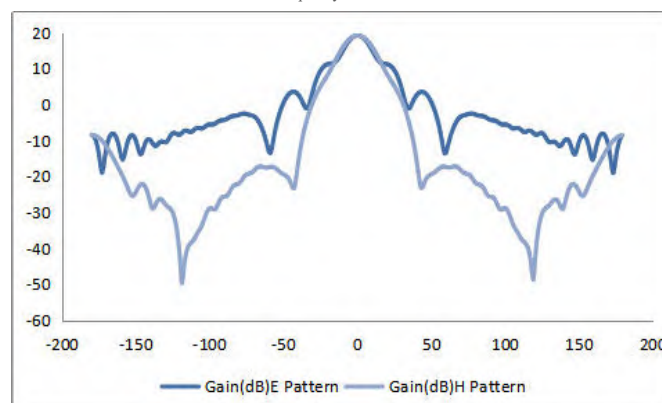
Frequency=20 GHz



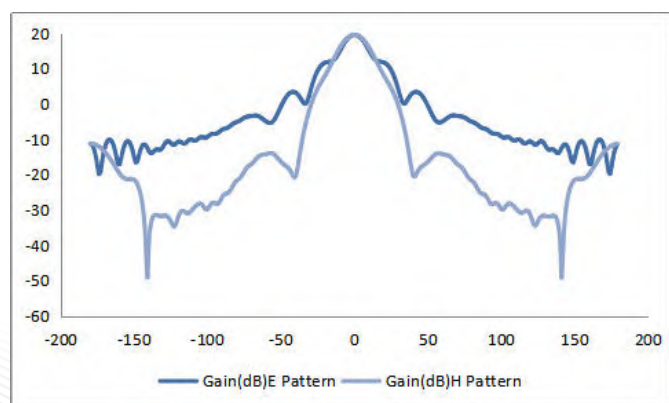
Frequency=21.5 GHz



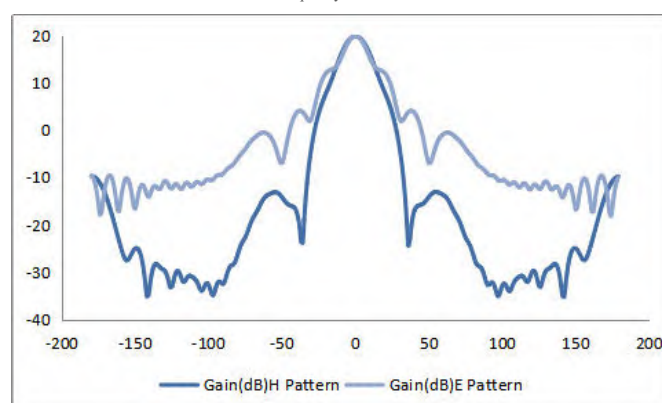
Frequency=23 GHz



Frequency=24.5 GHz

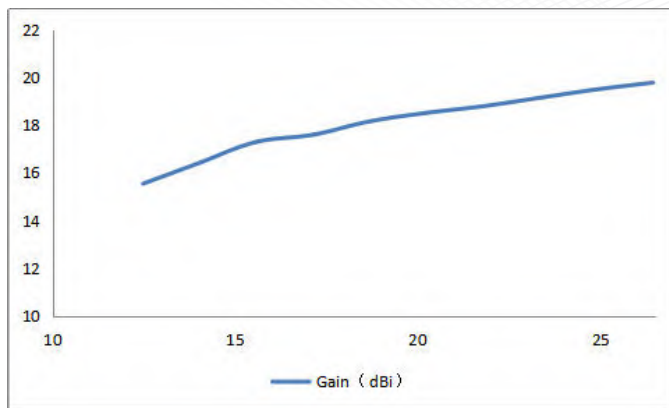


Frequency=26 GHz





Gain



VSWR

