

AHA118D Quad Ridged Horn Antenna

The AHA-118D is a 50 Ohms dual linearly polarized broadband horn antenna which is ideal for many applications. It can be used for both receiving and transmitting. This horn antenna is also used as a calibration device that measures the gain of other antennas.

Precision 'SMA' connectors are used to provide low VSWR and high-power handling capability.

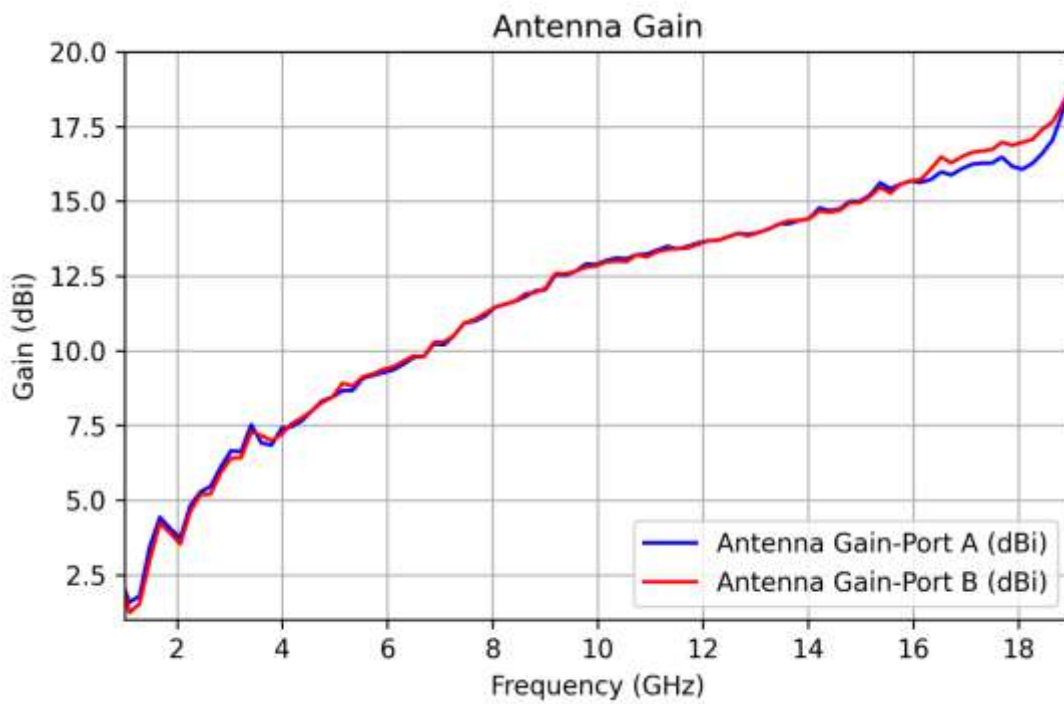
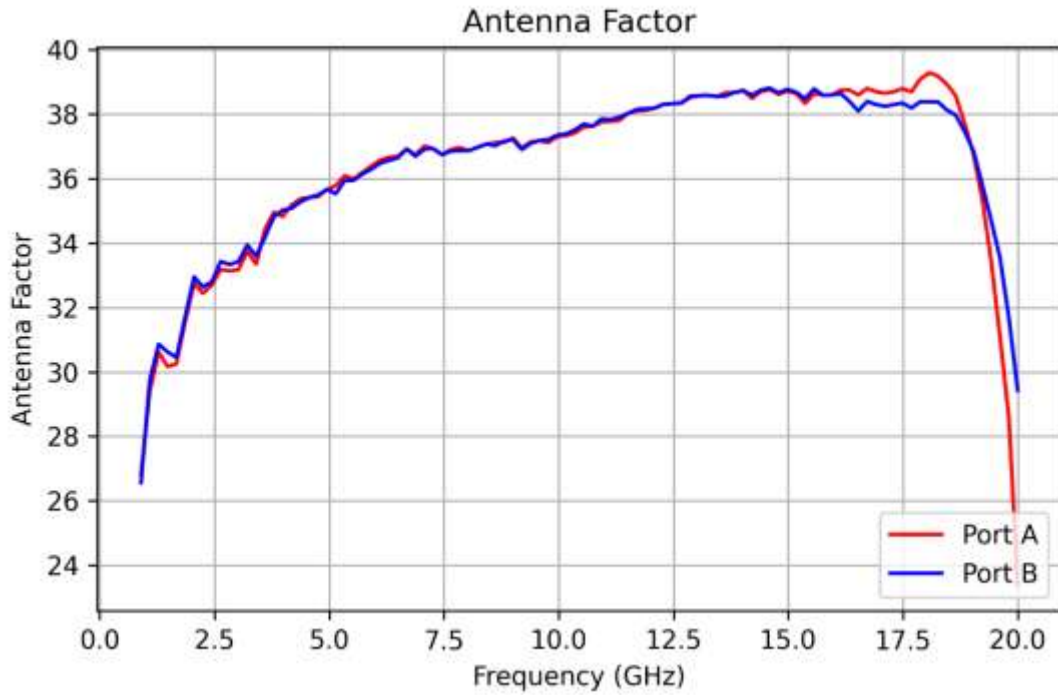
The back structure mounting section allows easy adjustment for vertical, horizontal and 45 deg polarizations.

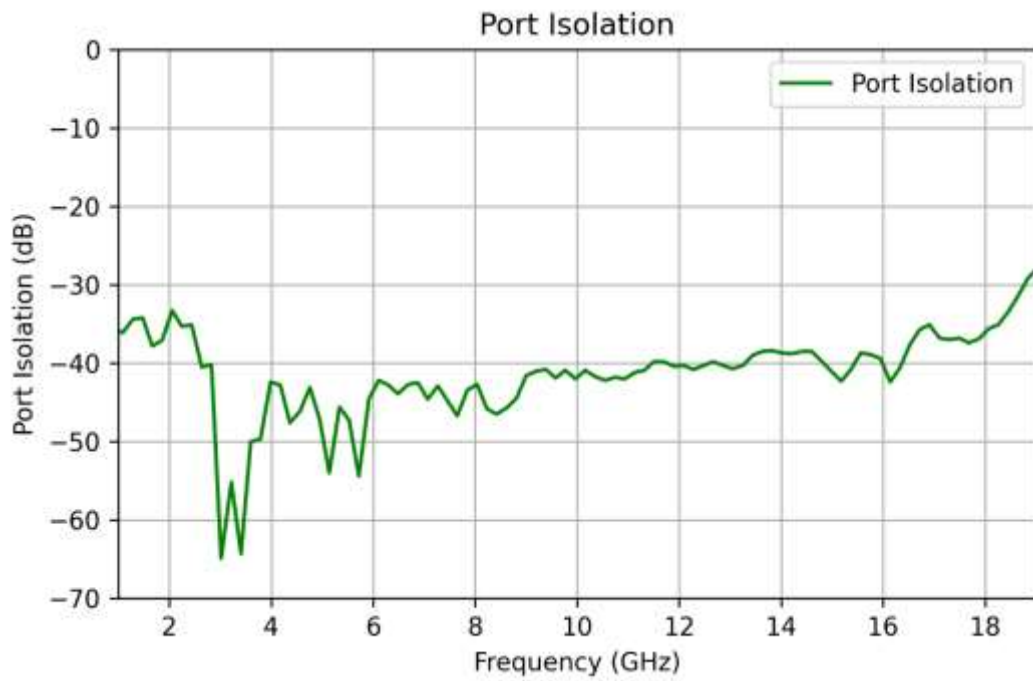
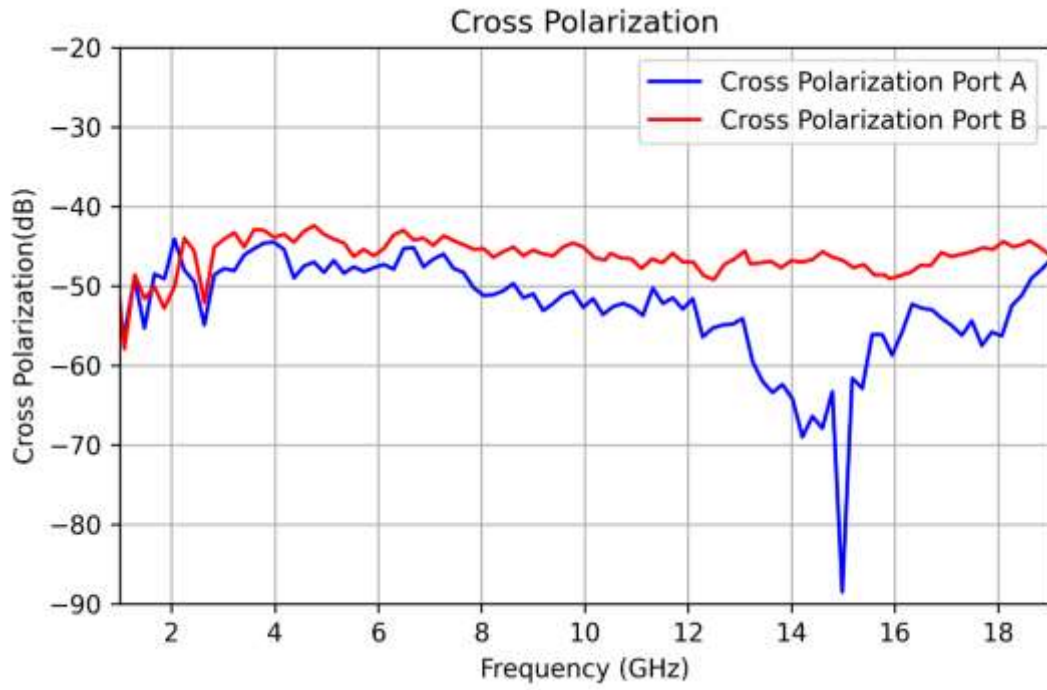


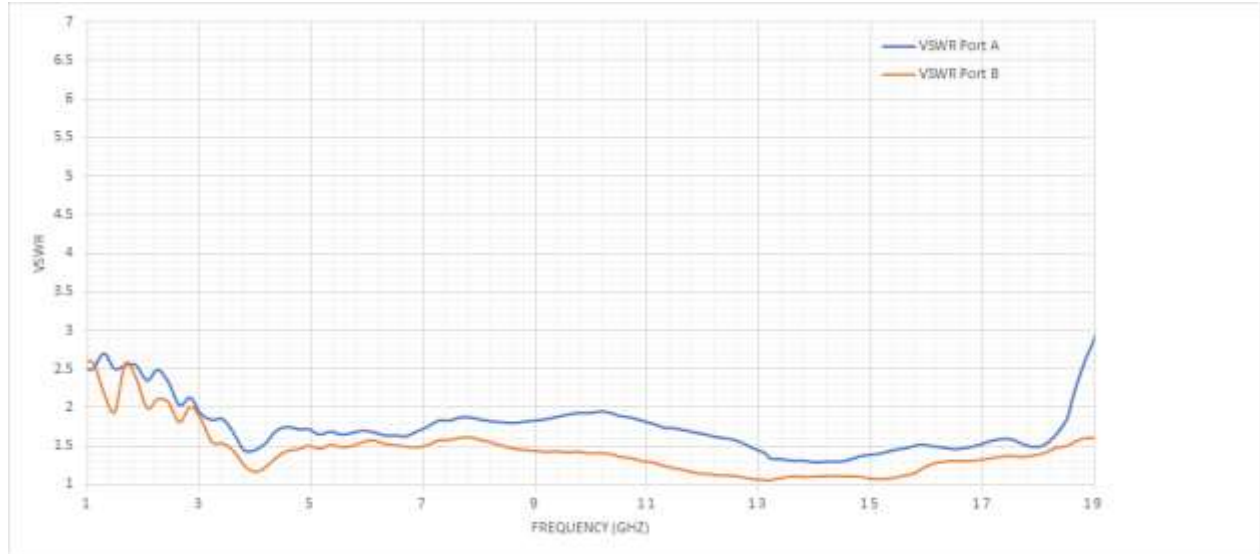
Characteristics

- | | |
|-----------------------------------|-----------------------------|
| ■ Nominal Frequency Range | 1 GHz to 18 GHz |
| ■ Practical working Range: | 900MHz to 20GHz |
| ■ Typical gain: | 2 to 18 dBi |
| ■ VSWR: | Max. 2.5 (1.5:1 in Average) |
| ■ Polarization: | Dual Linear |
| ■ Maximum Power Handling: | CW 110W, Pulse 180W |
| ■ Feed-point Impedance: | 50 Ohms |
| ■ Cross polarization: | -50 dB on Average |
| ■ Cross port isolation: | -40 dB on Average |
| ■ Connector: | 2 X SMA female |
| ■ Size (L x H x W in cm): | approx. 23x 24 x 24 |
| ■ Weight: | approx. 1 kg |
| ■ Construction: | Aluminium |
| ■ Optional: | Radome cover |

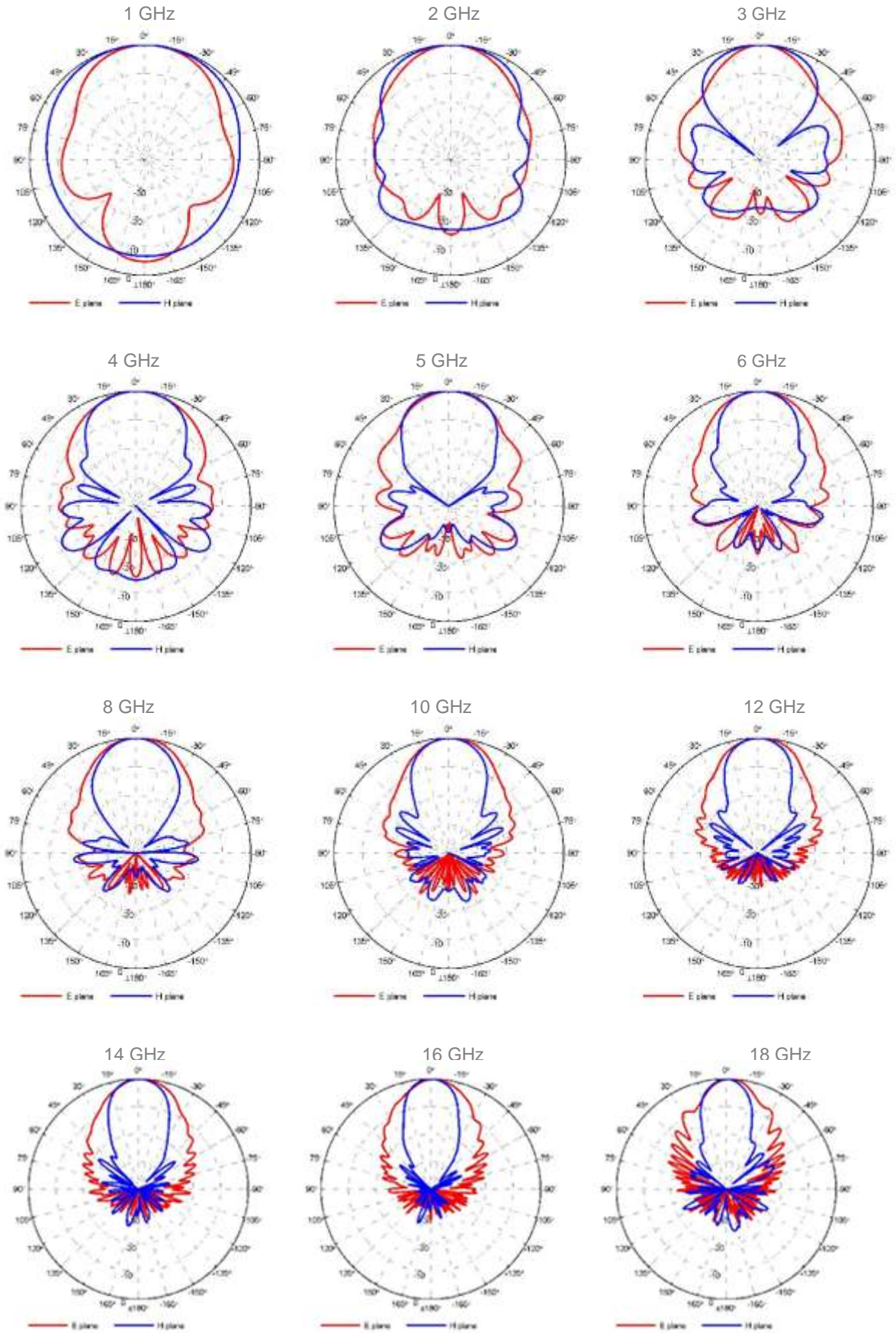
Sample Parameters







PORT A - Radiation Patterns



PORT B - Radiation Patterns

