

AHA-118S Dual Ridged Horn Antenna

The AHA-118S is a 50 Ohms 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.

A Precision 'N-Type' connector is used to provide low VSWR and high-power handling capability. The back structure mounting section allows easy adjustment for vertical, horizontal and 45 deg polarization.

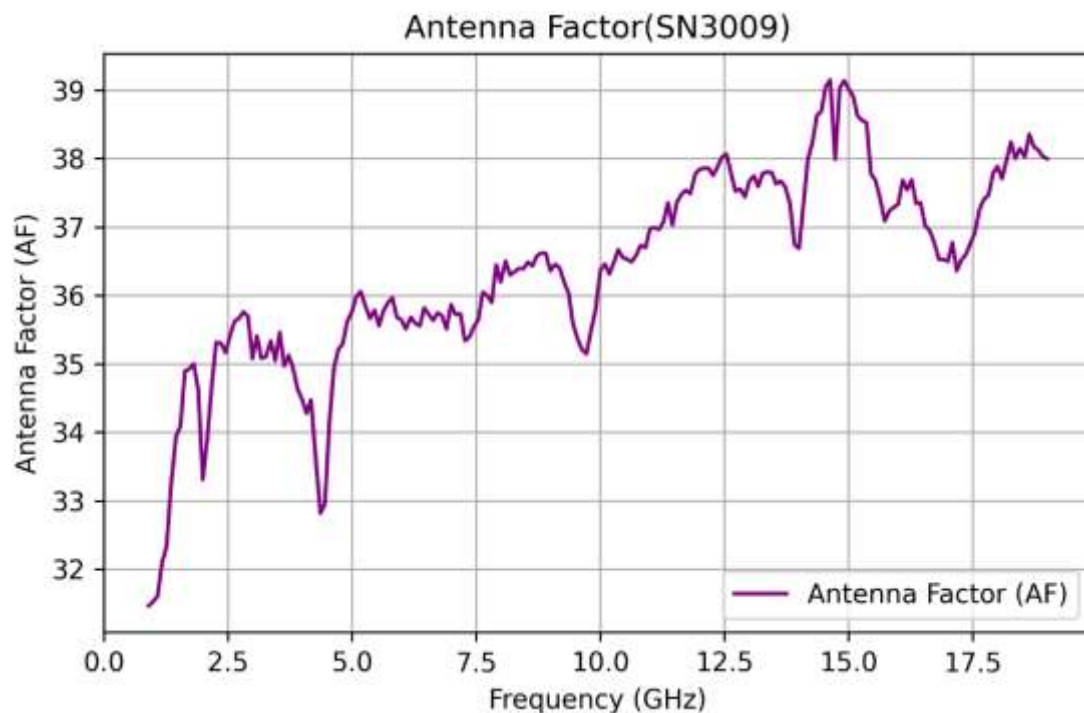


Characteristics

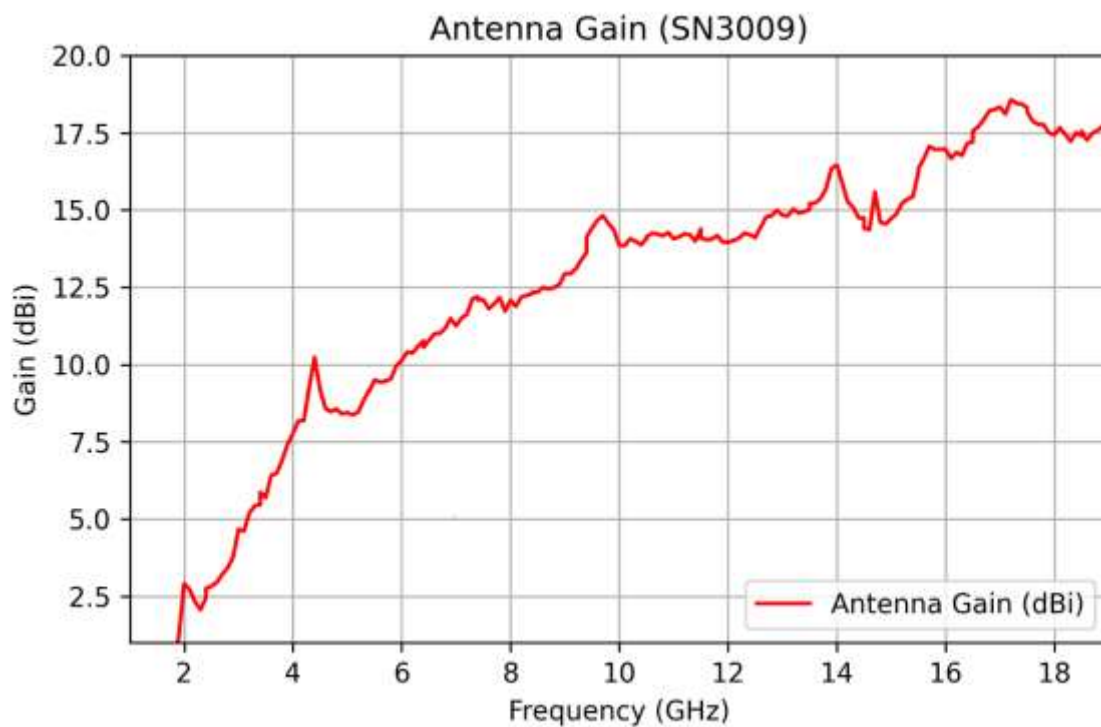
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|-------------------------------------|--------------------------|
| ■ Nominal Frequency Range: | 1 GHz to 18 GHz |
| ■ Practical Frequency Range: | 800MHz to 20GHz |
| ■ Typical gain: | 2 to 18 dBi |
| ■ VSWR: | < 2.2 (1.6:1 in Average) |
| ■ Polarization: | Linear V or H |
| ■ Maximum Power Handling: | CW 350W, Pulse 500W |
| ■ Feed-point Impedance: | 50 Ohms |
| ■ Connector: | N-Type female |
| ■ Size (L x H x W in cm): | approx. 23x 24 x 24 |
| ■ Weight: | approx. 1.5 kg |
| ■ Construction: | Aluminium |
| ■ Available Options: | Radom cover |

Sample Parameters

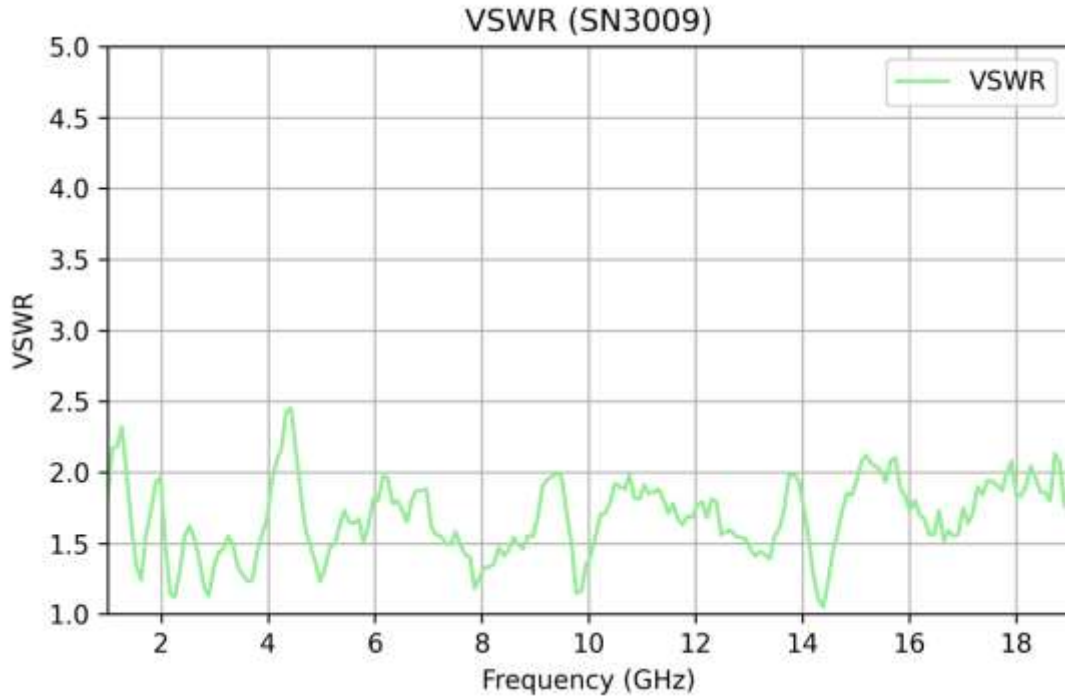
1. Antenna Factor



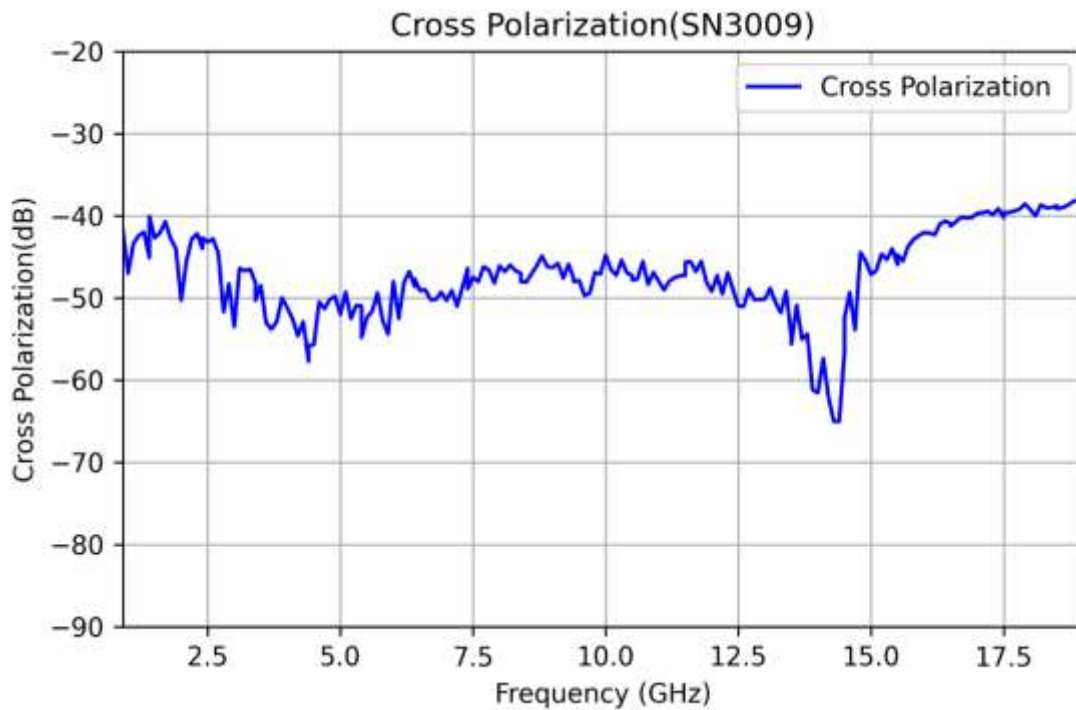
2. Antenna Gain



3. VSWR

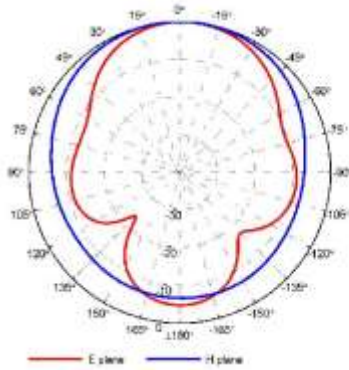


4. Cross Polarization Isolation

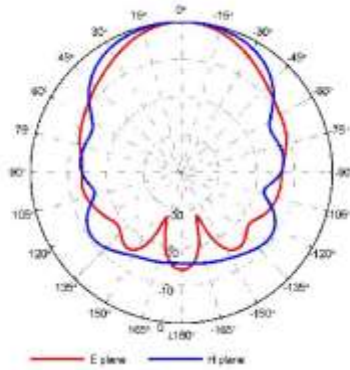


Sample Radiation Patterns

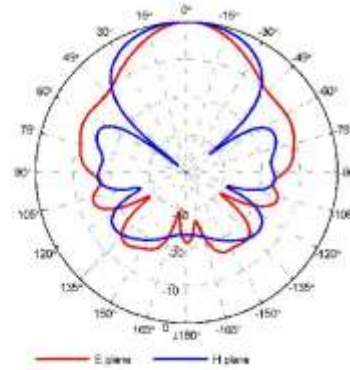
1 GHz



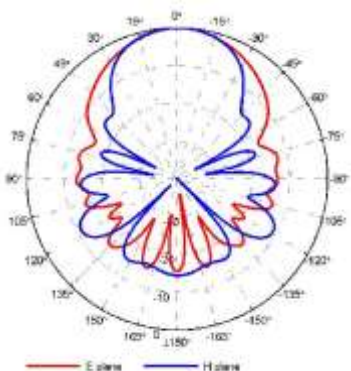
2 GHz



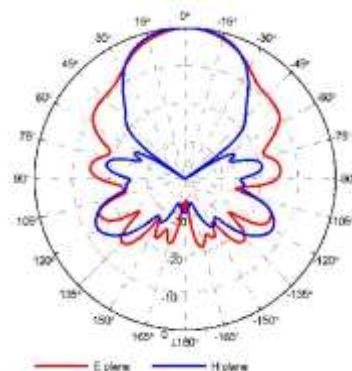
3 GHz



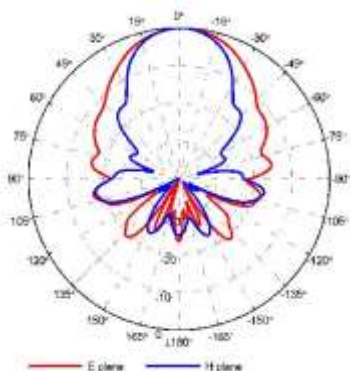
4 GHz



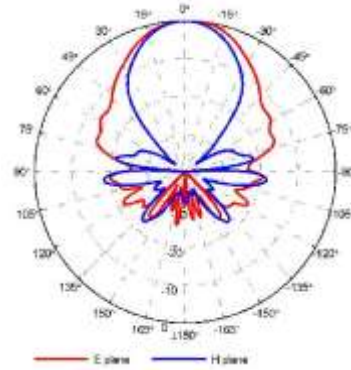
5 GHz



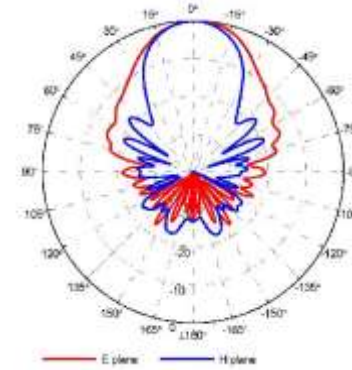
6 GHz



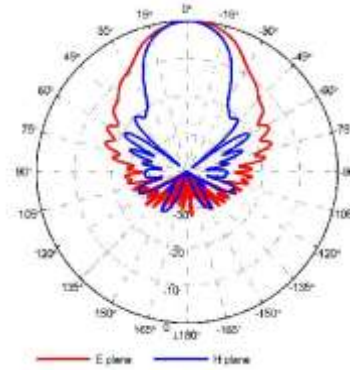
8 GHz



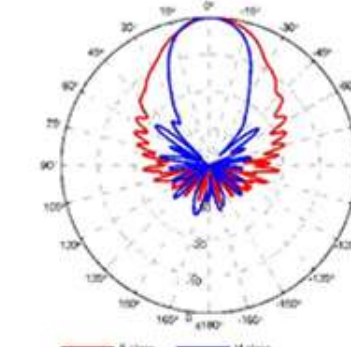
10 GHz



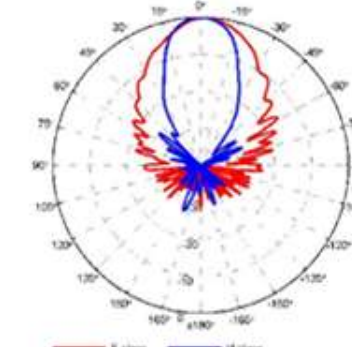
12 GHz



14 GHz



16 GHz



18 GHz

