

MODEL NUMBER:
SGHA12G

**Standard Gain Horn
Antenna 8-12.4 GHz**



DESCRIPTION:

The SGHA12G Standard Gain Horn Antenna has a frequency range of 8 GHz - 12.4 GHz. This antenna has an X-band pyramidal horn antenna with a N type coax connector. It also has a 20 dBi nominal gain with half power beam-width of 17 degrees on E-plane and 19 degrees on the H- plane.

FEATURES

- Linear Polarization
- Inline Configuration
- DC short Circuit at Input

ELECTRICAL SPECIFICATIONS

Frequency Range:	8.2 GHz - 12.4 GHz
Gain:	20 dBi
3 dB Beamwidth E-Plane:	17°
3 dB Beamwidth H-Plane:	19°
Max Peak Input Power:	50 Watts
Return Loss:	18 dB
Side Lobes, E-Plane:	-13 dB
Side Lobes, H-Plane :	-36 dB
Connector Type :	N-Type, female
Mounting Threads:	90° N Female

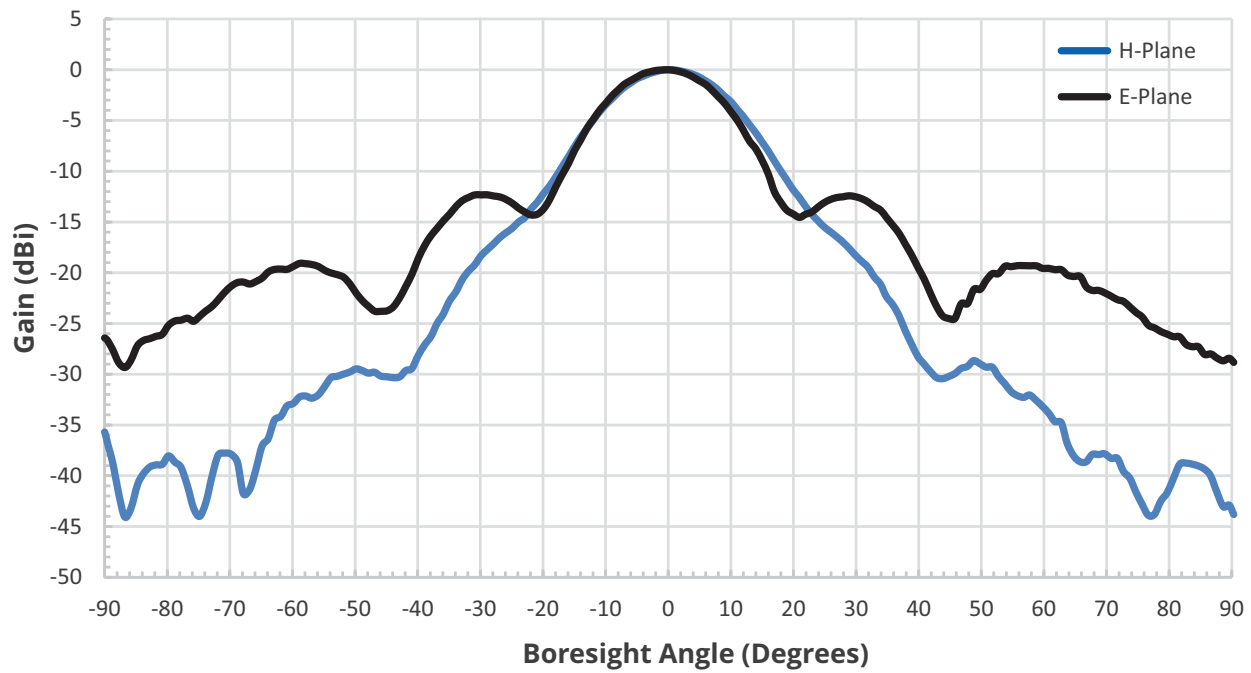
RECOMMENDED ACCESSORIES

- PA18G (Pre-amplifier)
- RFC-NN-3M (3 meter N/N Cable)
- WT1.5M (Antenna Tripod Unit, Wooden)
- AAM-10 (Antenna Azimuth Head)

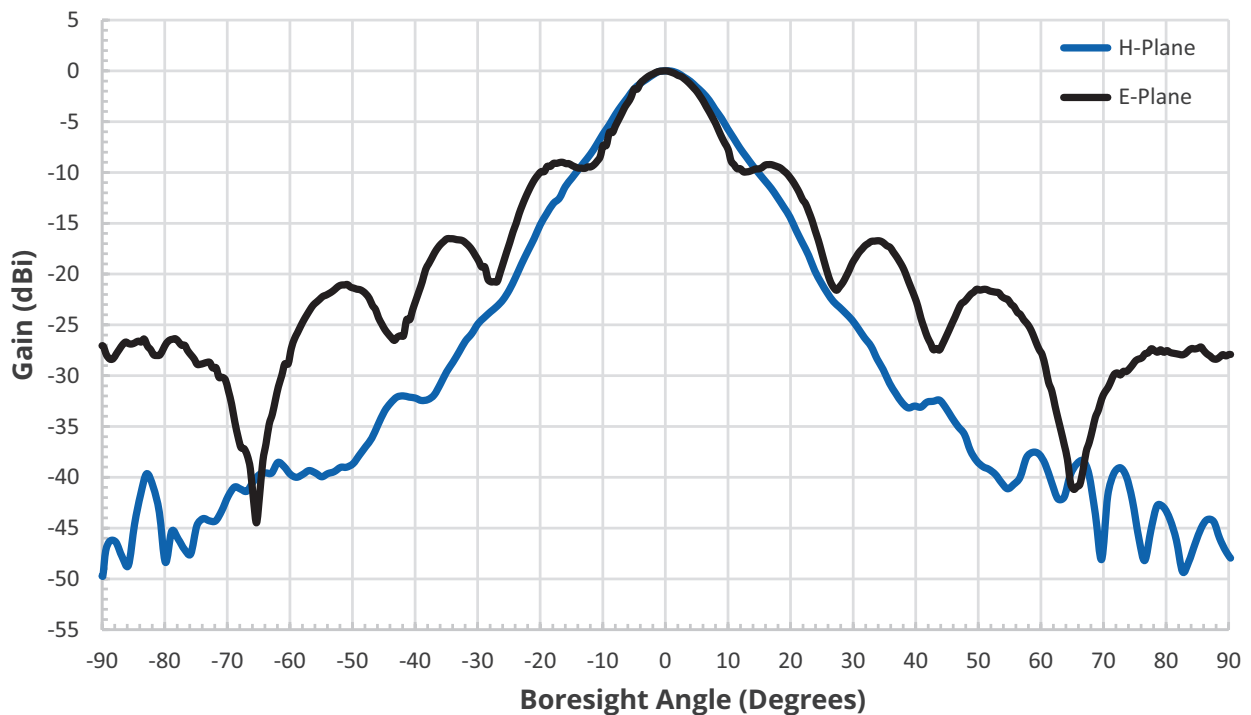
PHYSICAL DIMENSIONS

Dimensions:	10 x 5.43 x 4.21
Weight:	1 lbs

SIMULATED ANTENNA PATTERN @ 8.2 GHZ



ANTENNA PATTERN @ 12.5 GHZ



MEASURED GAIN VS. FREQUENCY

