

Standard Gain Horn Antenna

0.75-1.12 GHz | 15 dBi | P/N: AMT-SGH975-15-NF

1. Product Overview

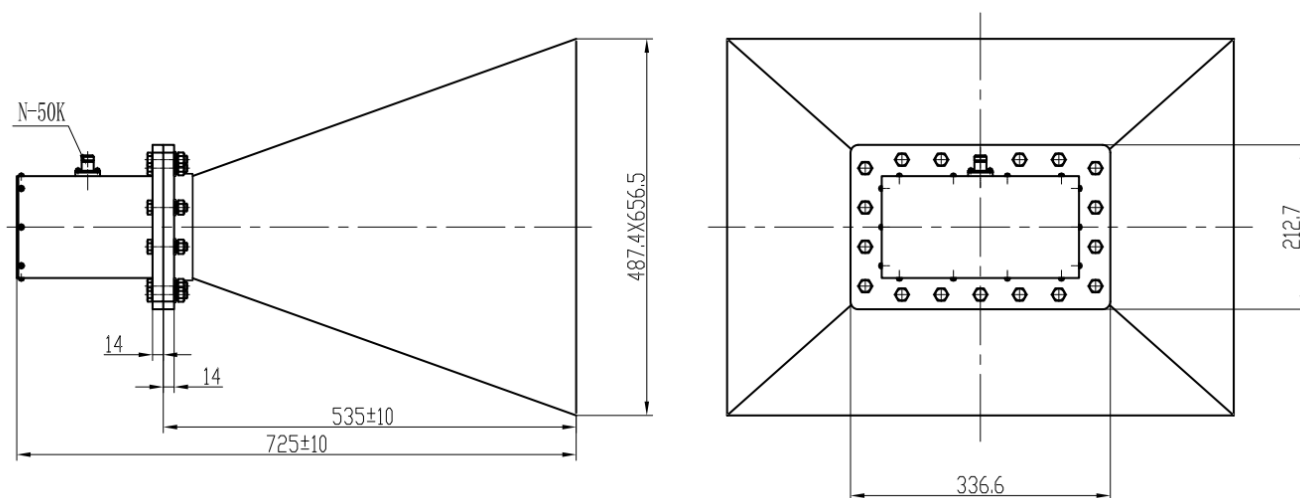
The AMT-SGH975-15-NF is a linearly polarized standard gain horn antenna operating from 0.75 GHz to 1.12 GHz. It provides nominal 15 dBi gain and low VSWR for antenna calibration, gain comparison, RF measurement, and laboratory testing.

2. Technical Specifications



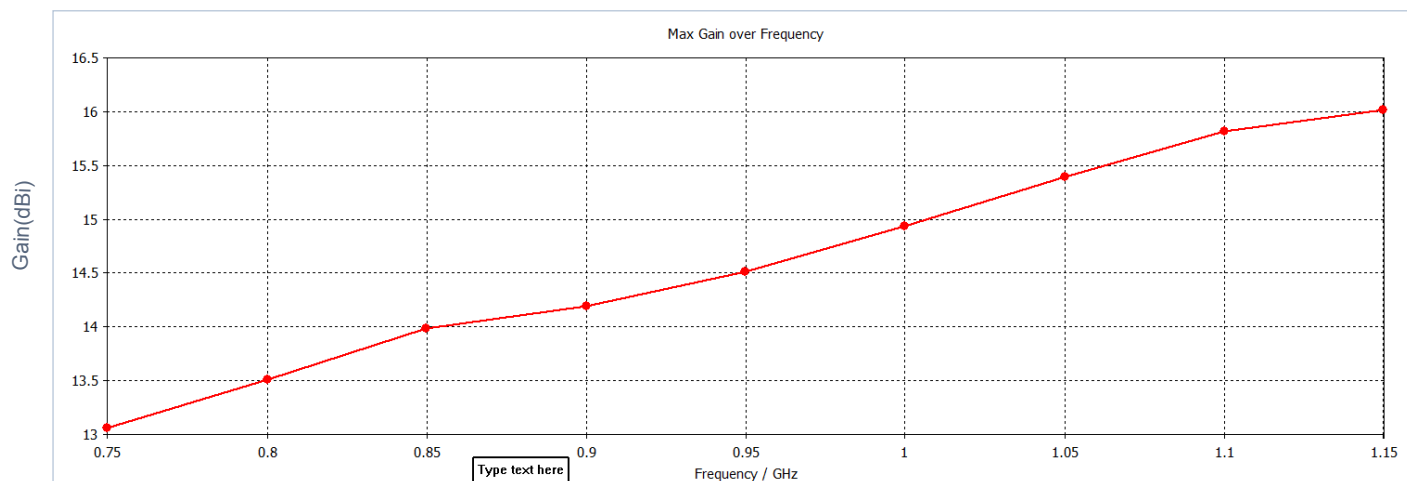
Parameter	Specification
Frequency Range	0.75-1.12 GHz
Nominal Gain	15 dBi typ.
VSWR	≤ 1.5
Polarization	Linear
RF Connector	N-Female
Material	Aluminum
Surface Finish	Sea-gray paint

3. Outline(mm)



Test Result

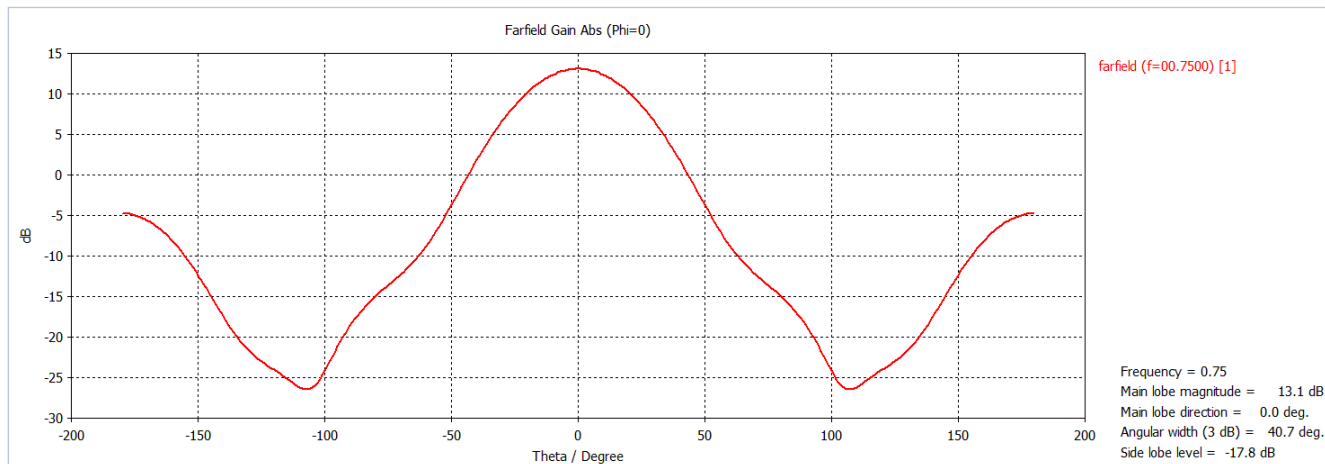
Gain



Pattern

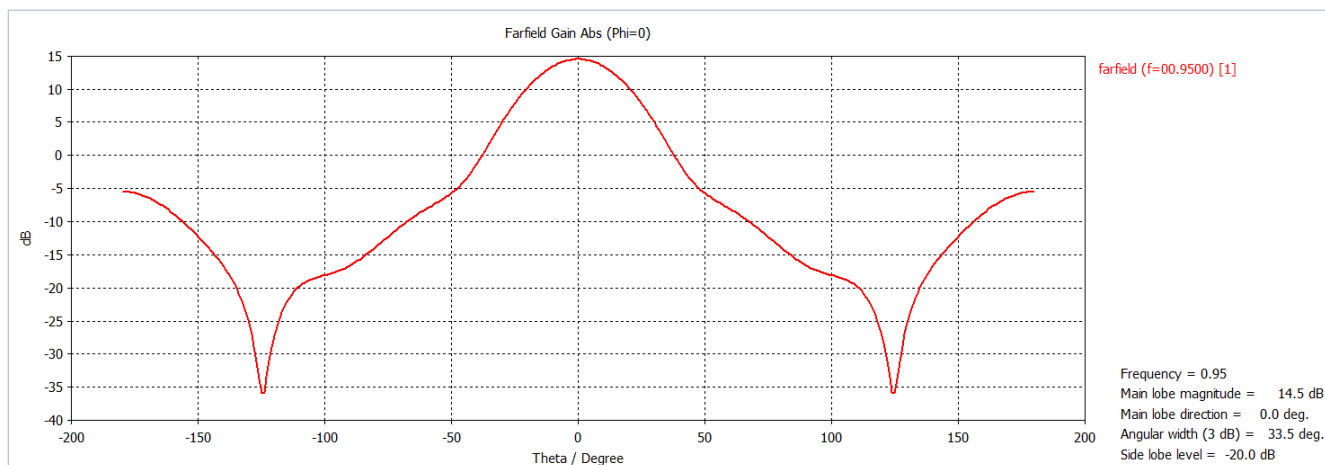
Azimuth Plane

Azimuth Pattern | 0.75 GHz



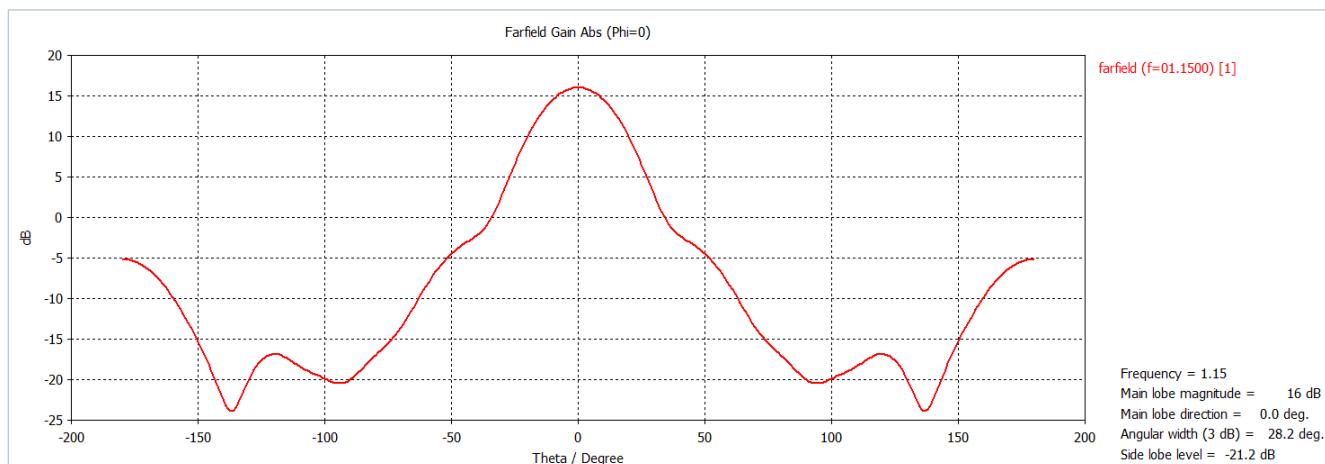
3 dB Beamwidth: 40.7°

Azimuth Pattern | 0.95 GHz



3 dB Beamwidth: 33.5°

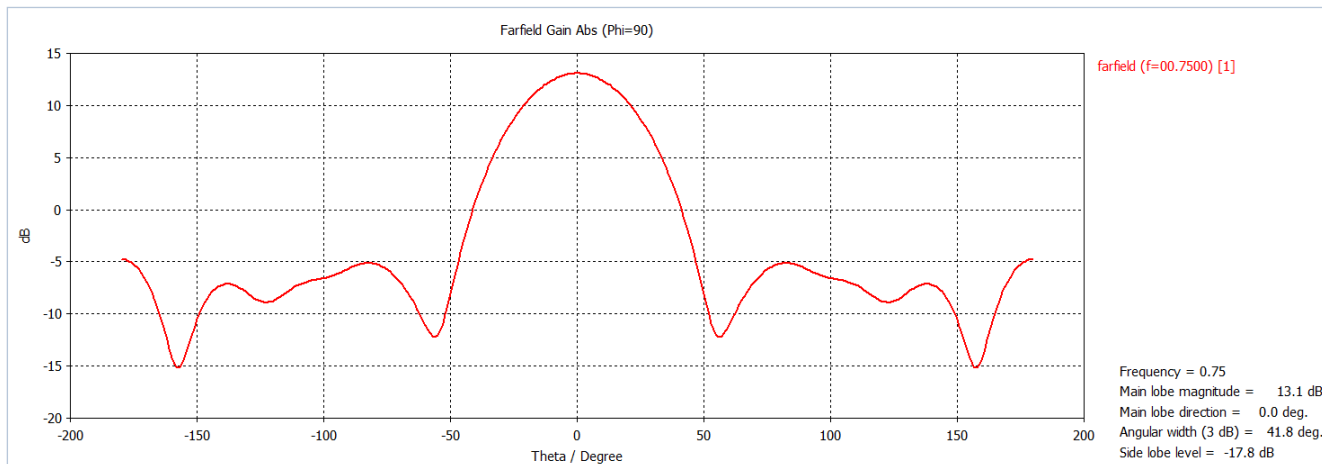
Azimuth Pattern | 1.15 GHz



3 dB Beamwidth: 28.2°

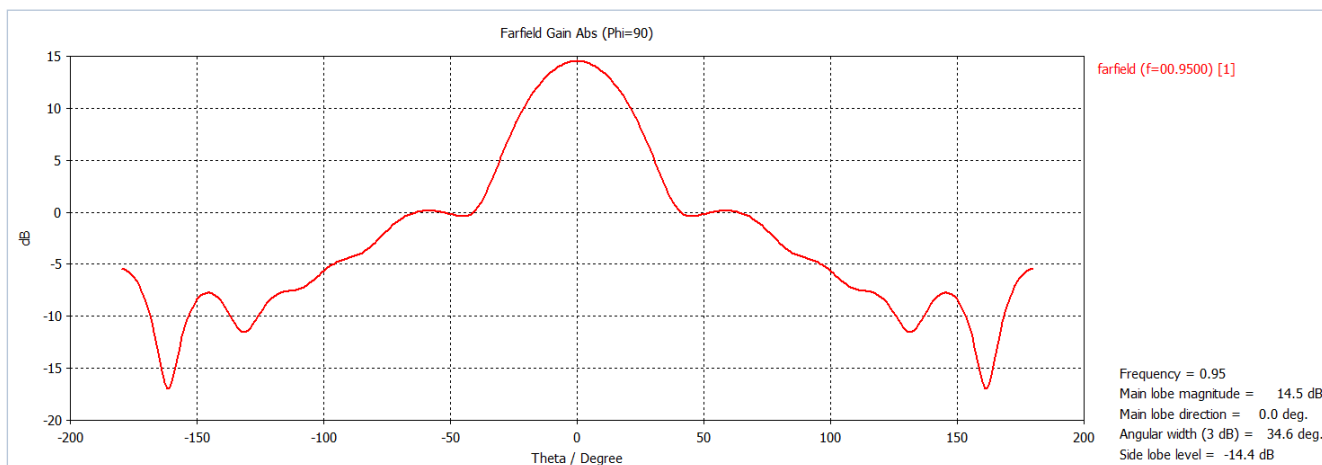
Elevation Plane

Elevation Pattern | 0.75 GHz



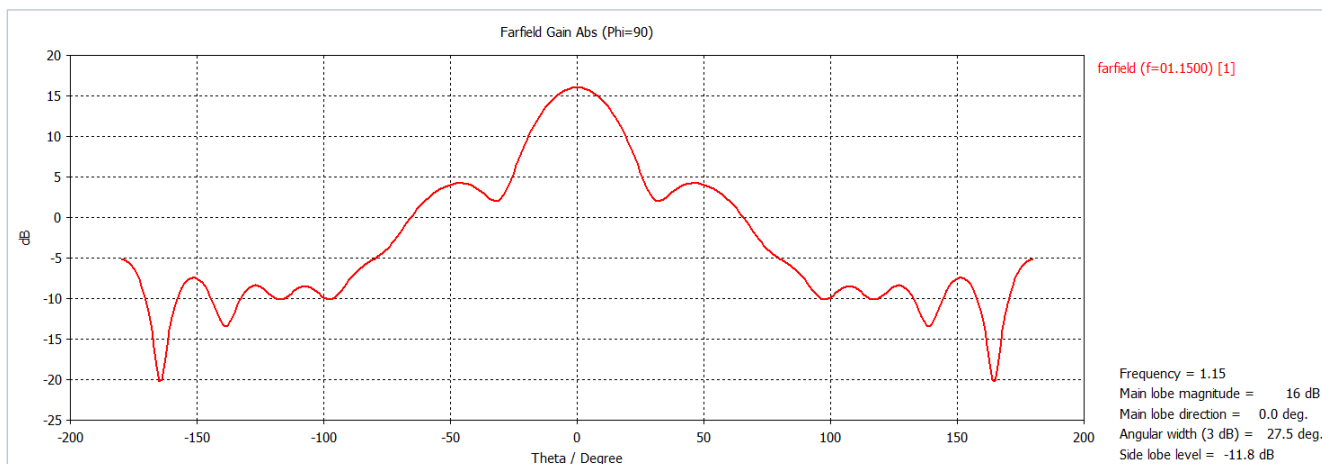
3 dB Beamwidth: 41.8°

Elevation Pattern | 0.95 GHz



3 dB Beamwidth: 34.6°

Elevation Pattern | 1.15 GHz



3 dB Beamwidth: 27.5°