

Standard Gain Horn Antenna

5.85-8.2 GHz | 15 dBi | P/N: AMT-SGH137-15-NF

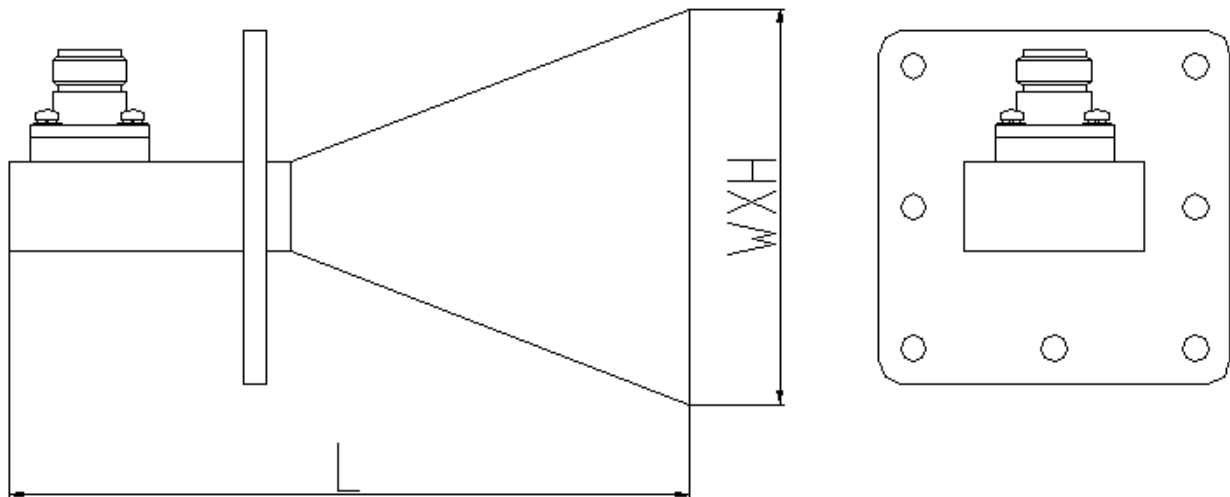
1. Product Overview

The AMT-SGH137-15-NF is a linearly polarized standard gain horn antenna operating from 5.38 GHz to 8.17 GHz. It provides 15 dBi nominal gain, low VSWR, and an N-Female interface for antenna calibration and RF measurement applications.

2. Technical Specifications

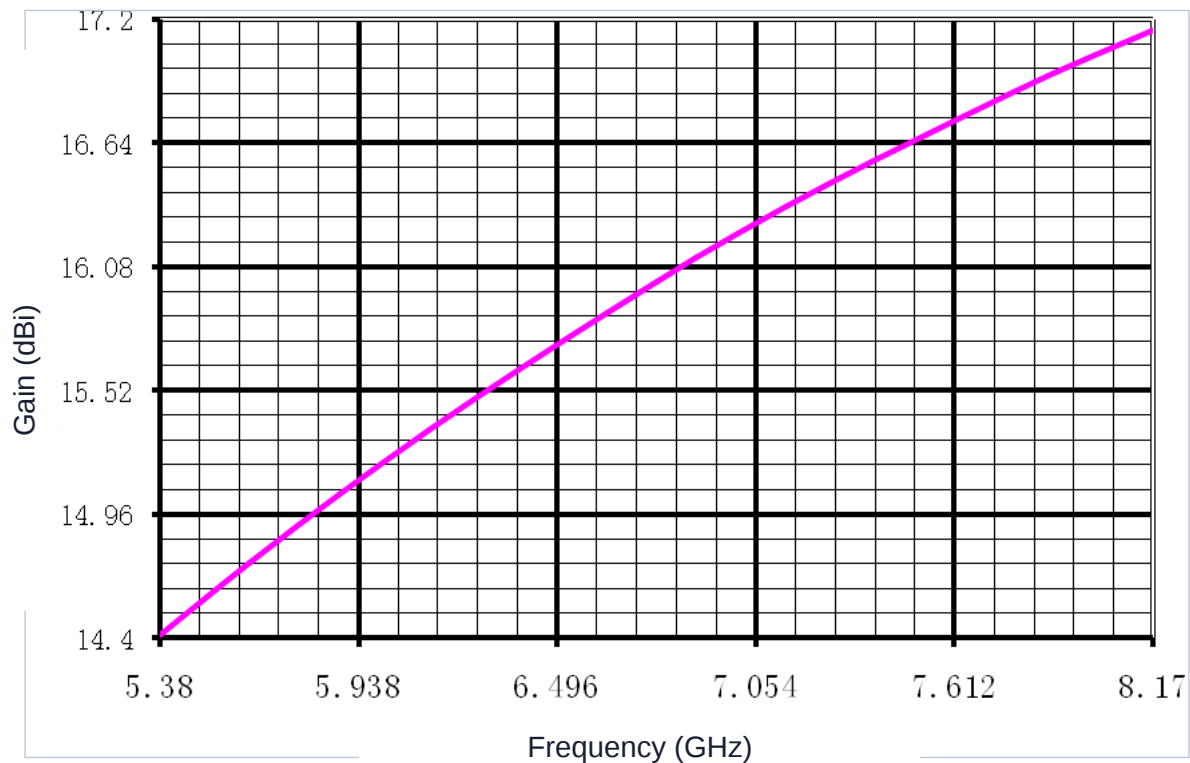
Parameter	Specification
Frequency Range	5.85-8.2 GHz
Nominal Gain	15 dBi
VSWR	≤ 1.5
Polarization	Linear
RF Connector	N-Female
Dimensions (L × W × H)	122 × 84 × 145 mm
Material	Aluminum
Surface Finish	Sea-gray paint

3. Outline(mm)

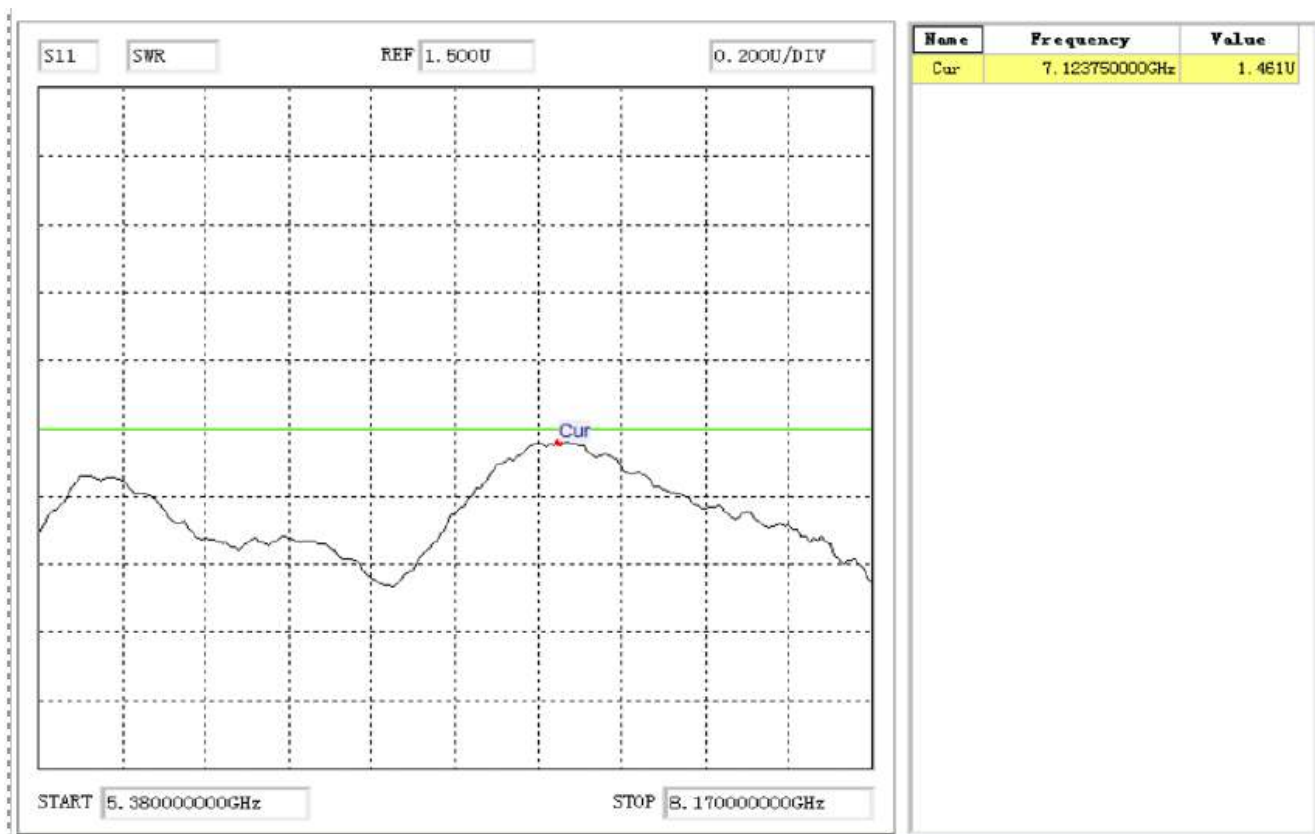


Test Result

Gain

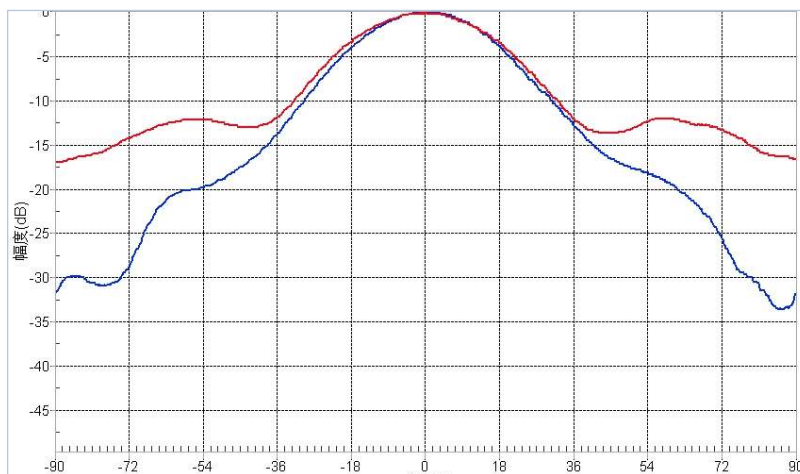


VSWR



Radiation Pattern

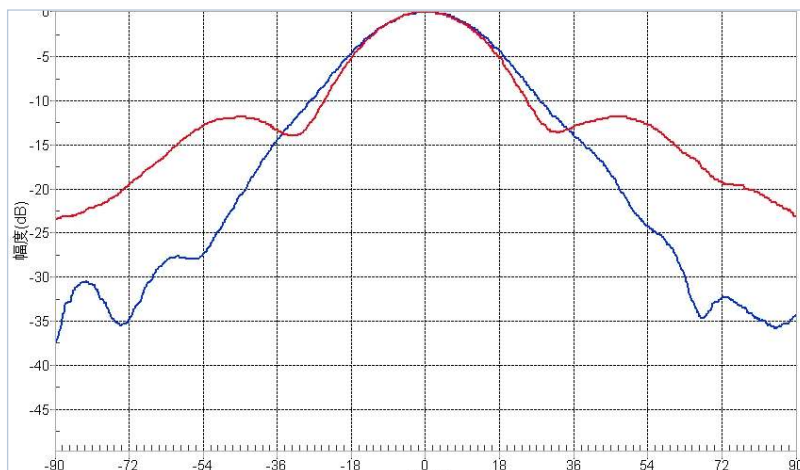
5.38 GHz



— H-plane 3dB Beamwidth: 31.58°

— E-plane 3dB Beamwidth: 33.95°

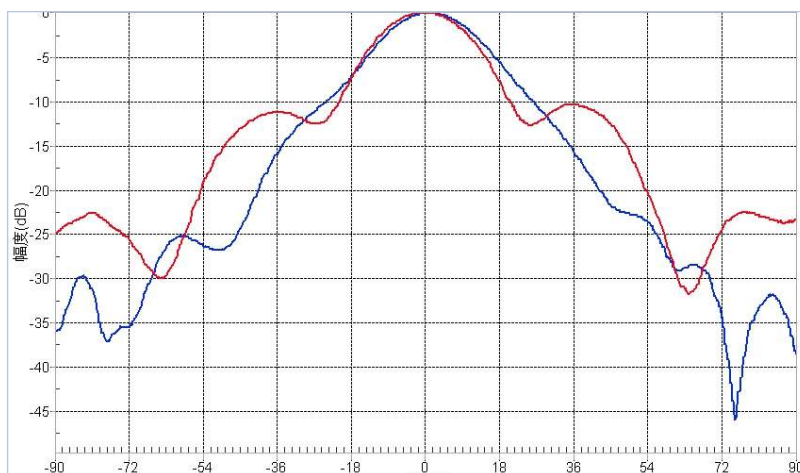
6.78 GHz



— H-plane 3dB Beamwidth: 29.92°

— E-plane 3dB Beamwidth: 28.17°

8.17 GHz



— H-plane 3dB Beamwidth: 23.93°

— E-plane 3dB Beamwidth: 23.36°