

WR90 Standard Gain Horn Antenna

8.2-12.4 GHz. | 20 dBi | P/N: AMT-SGH90-20-SF

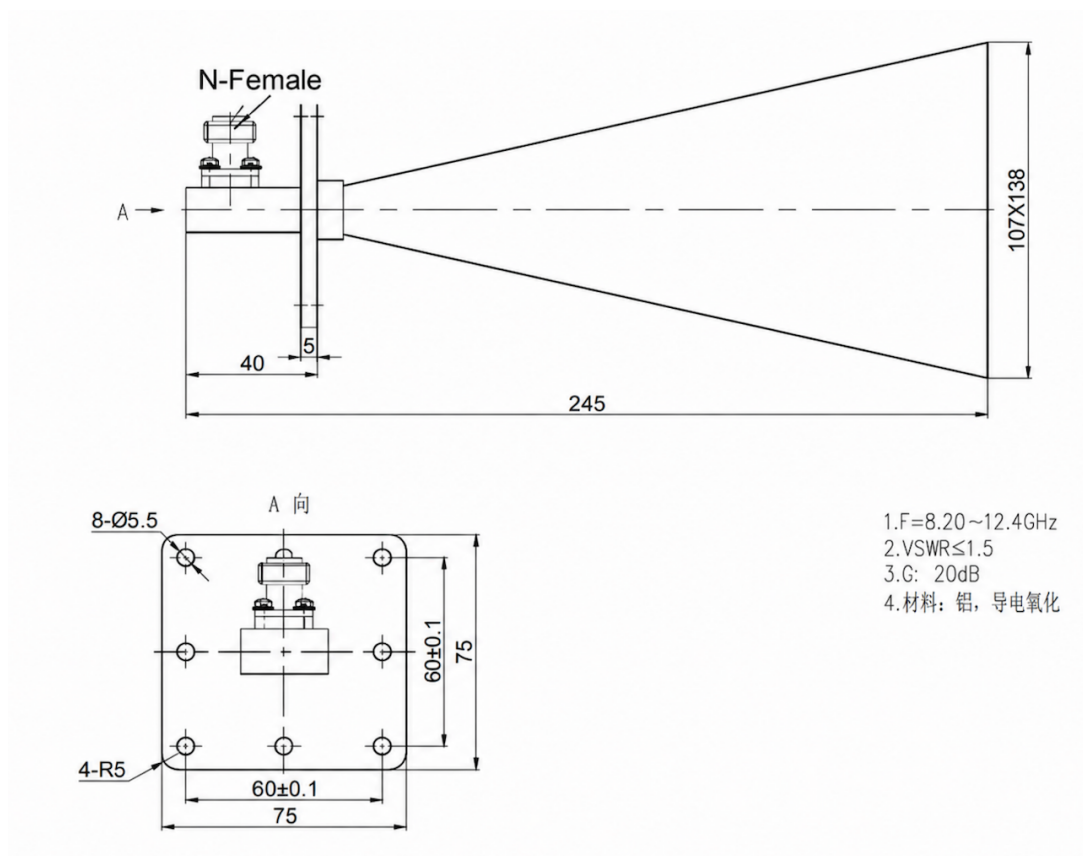
1. Product Overview

The AMT-SGH90-20-SF is a linearly polarized WR90 standard gain horn antenna operating from 8.2 GHz to 12.4 GHz. It provides nominal 20 dBi gain and low VSWR for antenna calibration and RF measurement applications.

2. Technical Specifications

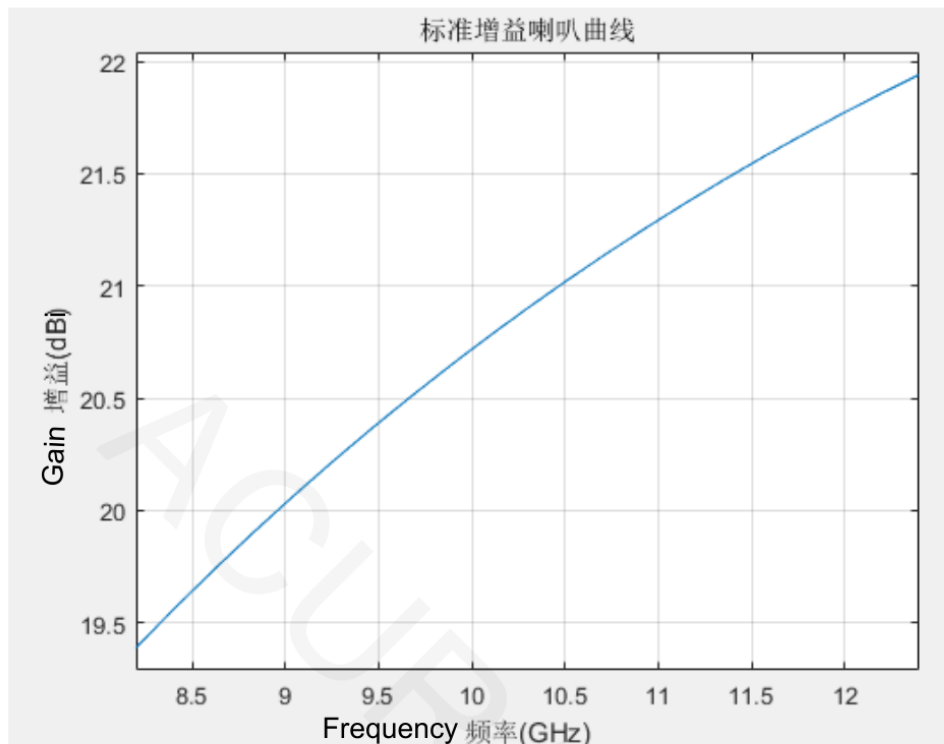
Parameter	Specification
Frequency Range	8.2-12.4 GHz.
Nominal Gain	20 dBi typ.
Polarization	Linear
VSWR	≤ 1.5
RF Connector	SMA-Female / N-Female
Dimensions	138 × 107 × 245 mm
Color	Sea gray
Material	Aluminum

3. Outline(mm)



4. Test Result

Gain



Frequency (GHz)	Gain (dBi)	Frequency (GHz)	Gain (dBi)	Frequency (GHz)	Gain (dBi)
8.20	19.39	9.67	20.50	11.14	21.37
8.41	19.57	9.88	20.64	11.35	21.47
8.62	19.74	10.09	20.77	11.56	21.57
8.83	19.90	10.30	20.90	11.77	21.67
9.04	20.06	10.51	21.02	11.98	21.76
9.25	20.21	10.72	21.14	12.19	21.85
9.46	20.36	10.93	21.26	12.40	21.94

Pattern

