

14.5-22GHz Standard Gain Horn Antenna

P/N: YX-SGH-51-20SMAF

Features

- Covering frequencies from 14.5 to 22GHz
- Directional, linear Polarization
- Reliable gain, low standing wave.
- Lightweight, high reliability, and long lifespan

Typical Applications

- EMI detection, direction finding, and reconnaissance
- Measurement of antenna gain and pattern

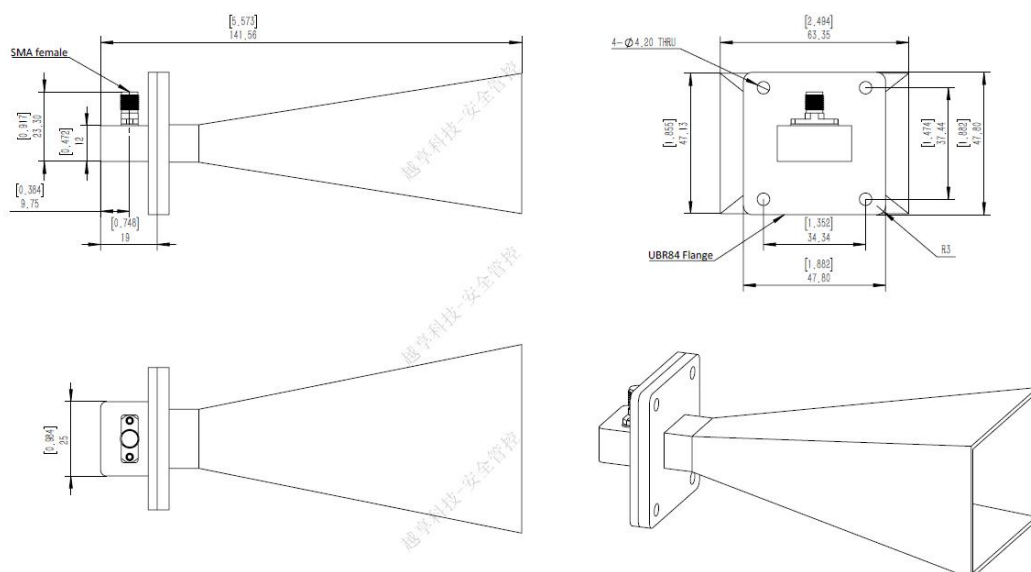
Electrical & Environmental Specifications

Operating Frequency	14.5-22 GHz
Gain	20dB typical
VSWR	1.5 max
Specification Temperature	+25°C
Operating Temperature	-40°C~+85°C

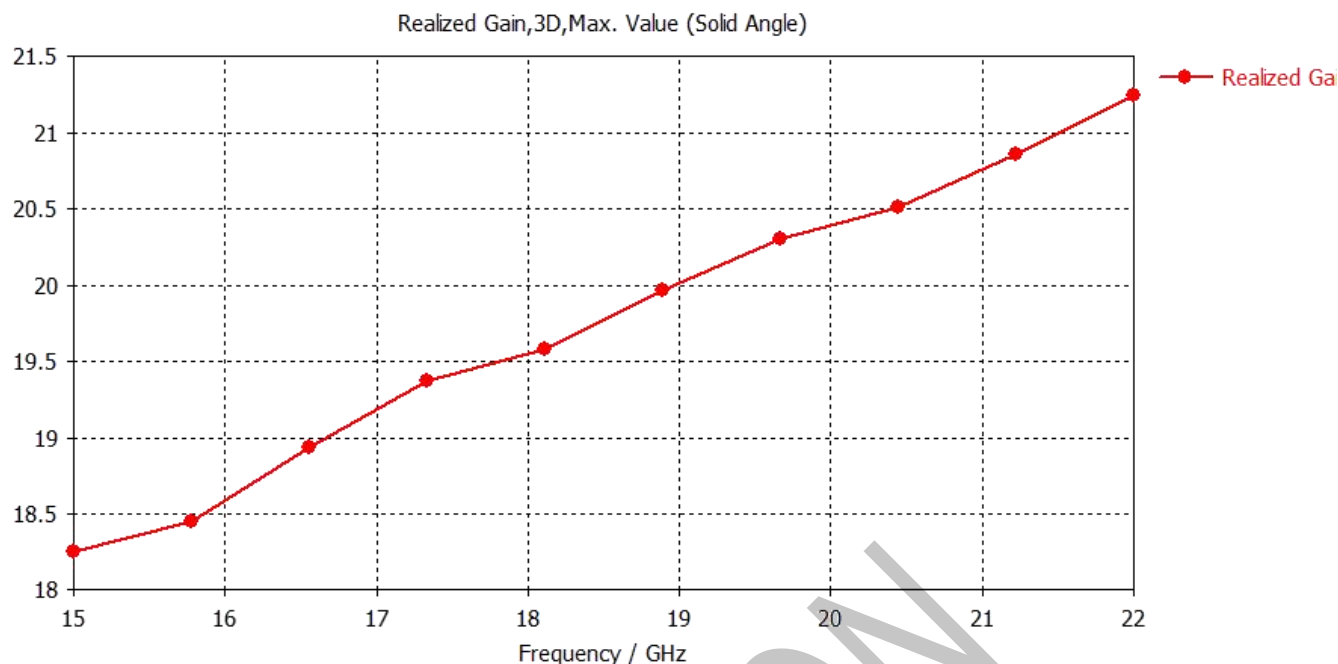
Mechanical Specifications

Coaxial Connector Type	SMA-Female
Impedance	50 Ω
Waveguide Option	WR51
Material	Aluminum
Inside Finish	Oxidation inside
Outside Finish	Blue/Gray painting(Optional)
Weight	/
Sizes (mm)	47.13*63.35*141.56mm

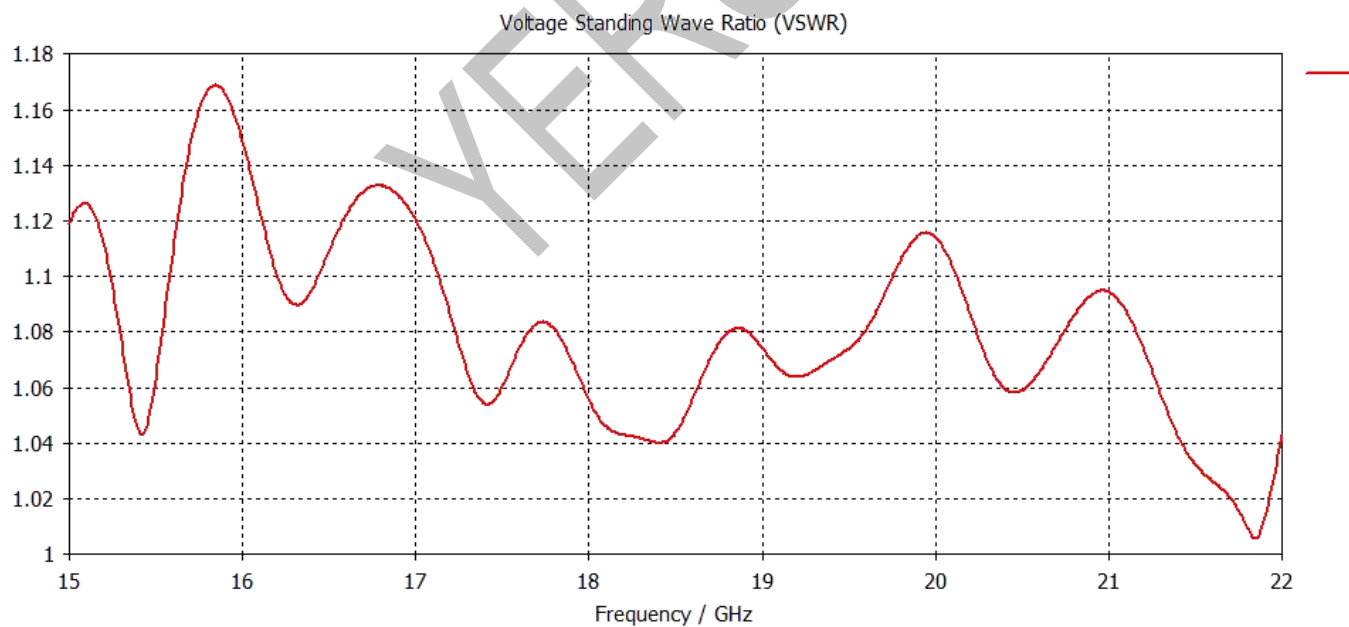
Outline Drawing(Unit:mm)



Gain VS Frequency Plots



Input VSWR VS Frequency



Notice: All of the above data is simulation for reference.

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