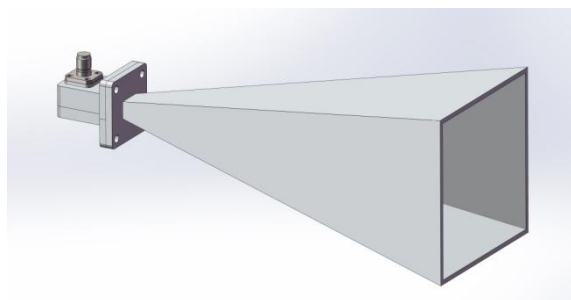


**Descriptions:**

Model YX-SGH62-20SMAF is a standard gain horn antenna that operates from 12.4 to 18 GHz, it is linear polarization, The RF port is equipped with SMA connector which is optional.

**Features:**

- Wideband Frequency, High Gain
- Excellent Directionality, linear Polarization
- Lightweight, high reliability, and long lifespan

**Applications:**

- Antenna Communication System
- Antenna Measurement and Calibration
- Research and Experimentation

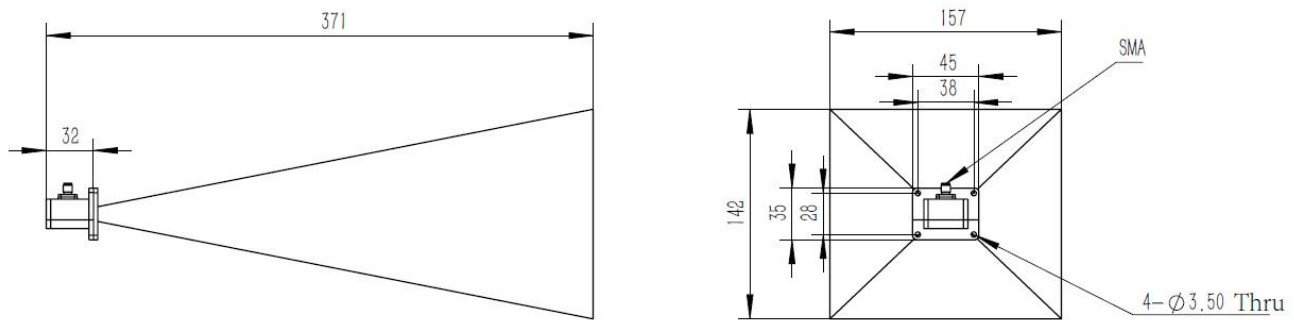
**Electrical & Environmental Characteristics**

Frequency	12.4-18GHz
Gain	20dB typical
VSWR	1.5 max
Polarization	Linear
E-Plane 3 dB Beamwidth	16 to 12
H-Plane 3 dB Beamwidth	19 to 14
Cross Polarization	-25dB max
Power Handling	15W(cw)
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

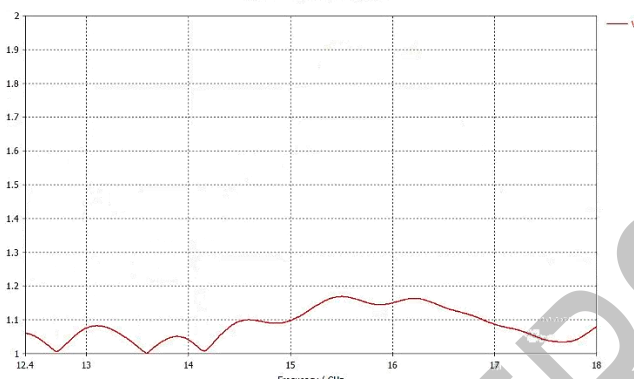
**Mechanical Specifications**

Connector	SMA-Female/Male
Material	Aluminum
Inside Finish	Chem Film
Outside Finish	Blue/Gray Painting(Optional)
Size	371*157*142mm
Weight (approx.)	/

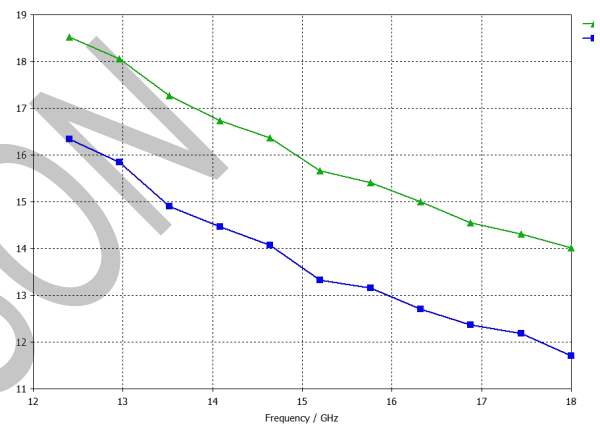
**Outline Drawing(Unit:mm):**



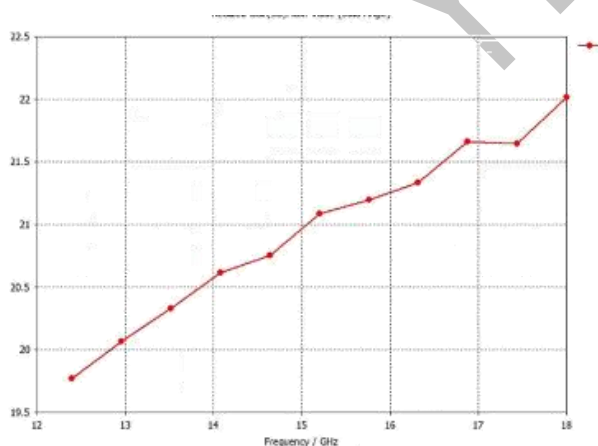
**VSWR VS Frequency**



**3dB Beamwidth**



**Gain VS Frequency Plots**



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

YERSON and its affiliates reserve the right to make changes to the products or information contained herein without prior notice. Please visit [www.yersontech.com](http://www.yersontech.com) for additional datasheets and product information.