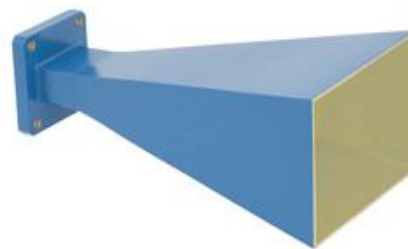


## 8.2-12.4Hz Standard Gain Horn Antenna with Waveguide Port

P/N: YX-SGH90-20

## Descriptions:

Model **YX-SGH90-20** is a standard gain horn antenna that operates from 8.2 to 12.4 GHz, it is linear polarization, The RF port is equipped with waveguide flange 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 &amp; Environmental Characteristics

Frequency	8.2-12.4GHz
Gain	20dB typical
VSWR	2.0 max
Polarization	Linear
E-Plane 3 dB Beamwidth	20 to 13 degrees
H-Plane 3 dB Beamwidth	20 to 14 degrees
Cross Polarization	-25dB max
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

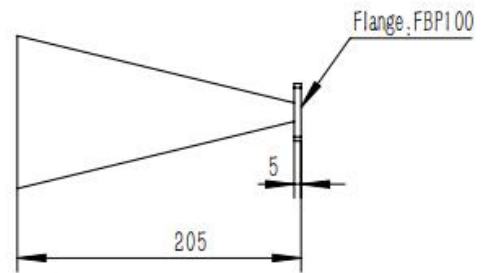
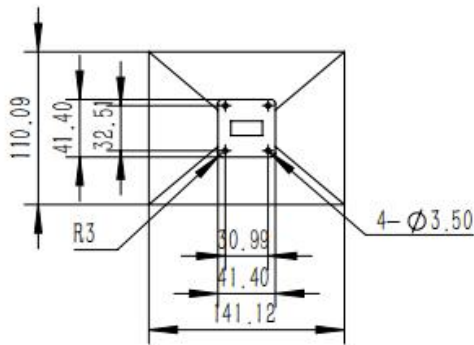
## Mechanical Specifications

Flange	UBR100(FBP100)/optional
Material	Aluminum
Finishing Inside and Outside	Chem Film inside and Painting Outside(Color Optional)
Size	141.12 x 205 mm
Weight (approx.)	/

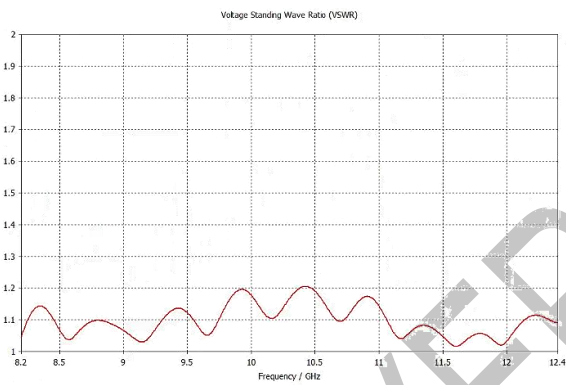
## 8.2-12.4GHz Standard Gain Horn Antenna with Waveguide Port

P/N: YX-SGH90-20

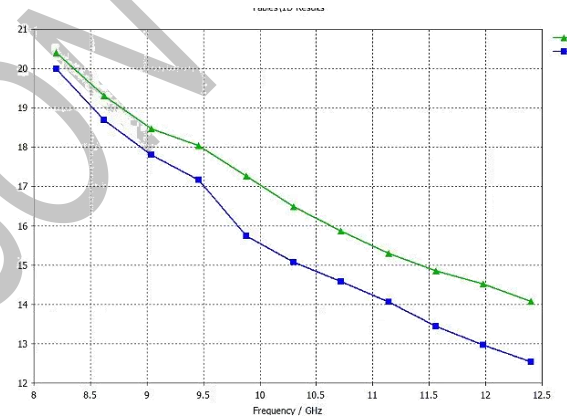
### Outline Drawing (Unit:mm):



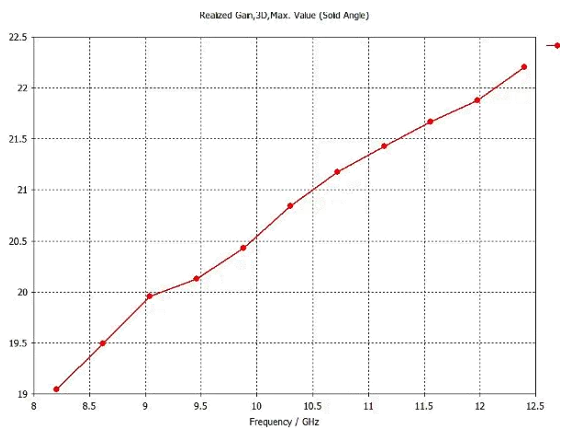
### VSWR VS Frequency



### 3dB Beamwidth



### Gain VS Frequency Plots



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

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