

33-50GHz Standard Gain Horn Antenna with WR22 Wave-guide Port P/N: YX-SGH-22-20**Descriptions:**

Model **YX-SGH-22-20** is a standard gain horn antenna that operates from 33~ 50 GHz, it is linear polarization, The RF port is equipped with wave-guide flange which is optional.

**Features:**

- Wide-band Frequency, High Gain
- Excellent Directional, linear Polarization
- Lightweight, high reliability, and long lifespan

Applications:

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

**Electrical & Environmental Characteristics**

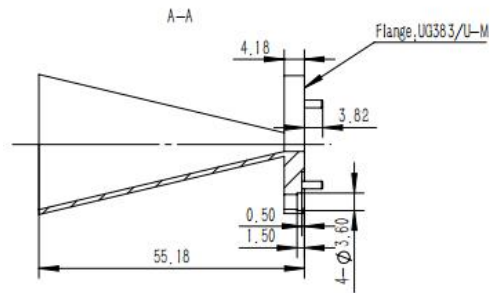
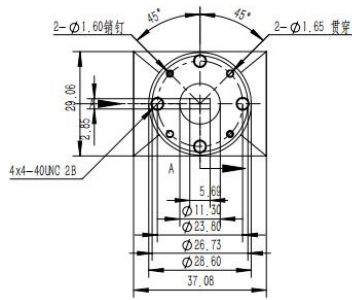
Frequency	33-50GHz
Gain	20 dB typical
VSWR	1.25 max
Polarization	Linear
E-Plane 3 dB Beam width	16 to 12 degrees
H-Plane 3 dB Beam width	18 to 13 degrees
Cross Polarization	-25dB max
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

Mechanical Specifications

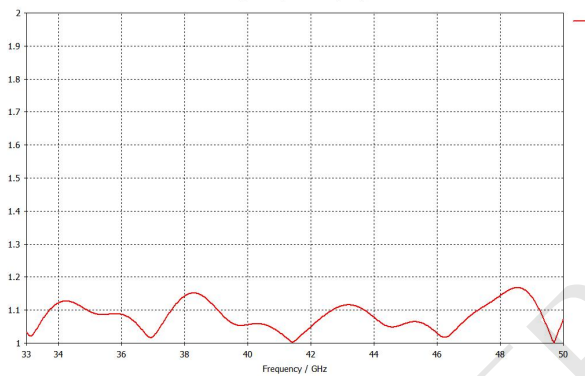
Antenna port	WR22 Waveguide
Flange	UG383/U-M
Material	Brass
Finishing Inside and Outside	Gold plating inside and outside
Size	55.18*37.08*29.06 mm
Weight (approx.)	/

33~50GHz Standard Gain Horn Antenna with WR22 Wave-guide Port P/N: YX-SGH-22-20

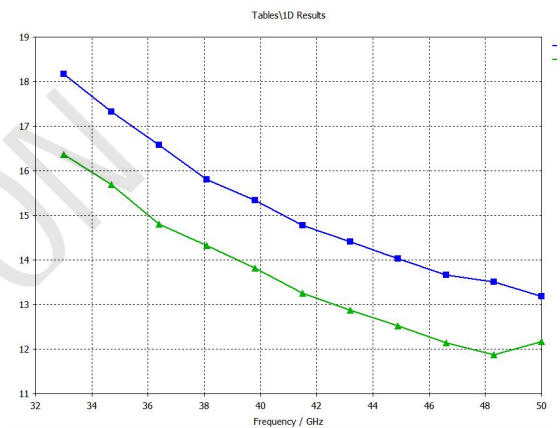
Outline Drawing(Unit: mm):



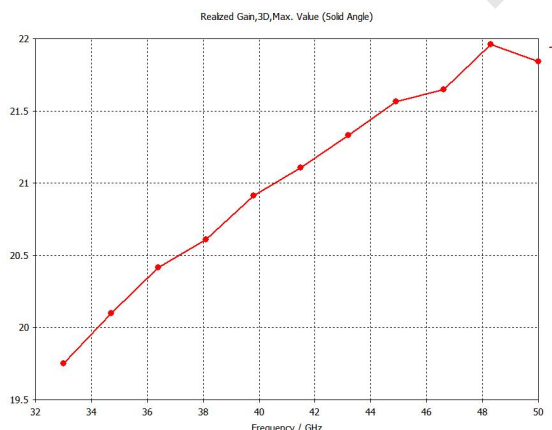
VSWR VS Frequency



3dB Beam width



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 for additional data sheets and product information.