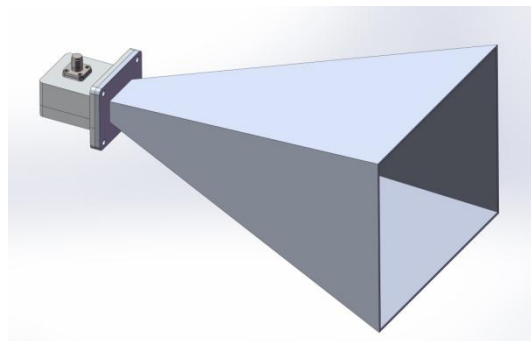


Descriptions:

Model YX-SGH90-20SMAF 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 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 Specifications

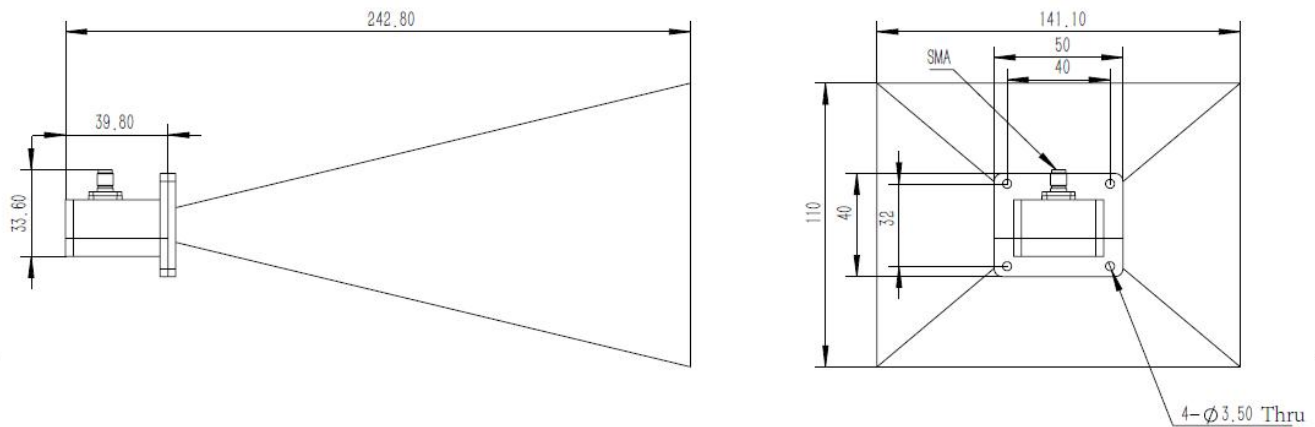
Frequency	8.2-12.4GHz
Gain	20dB typical
VSWR	2.0 max
Polarization	Linear
E-Plane 3 dB Beamwidth	20 to 13
H-Plane 3 dB Beamwidth	20 to 14
Cross Polarization	-25dB max
Power Handling	15W(cw)
Specification Temperature	+25°C
Operating Temperature	-40°C~+85°C

Mechanical Specifications

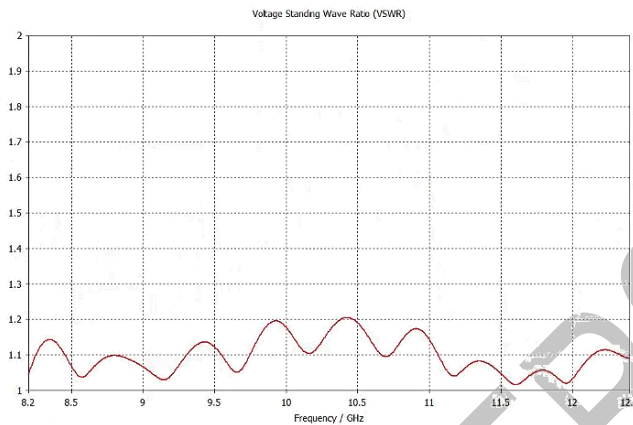
Connector	SMA-Female/Male
Material	Aluminum
Inside Finish	Chem Film
Outside Finish	Blue/Gray Painting(Optional)
Size	242.8*141.1*110mm
Weight (approx.)	/



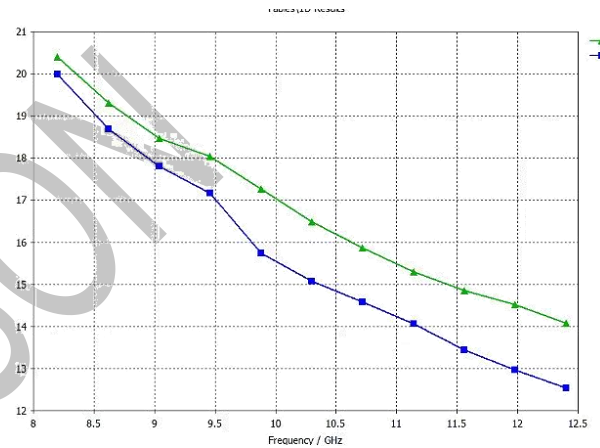
Outline Drawing (Unit:mm) :



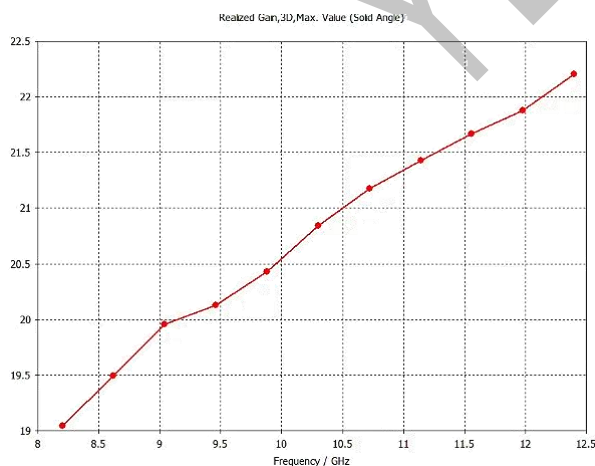
VSWR VS Frequency



3dB Beamwidth



Gain VS Frequency Plots



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

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