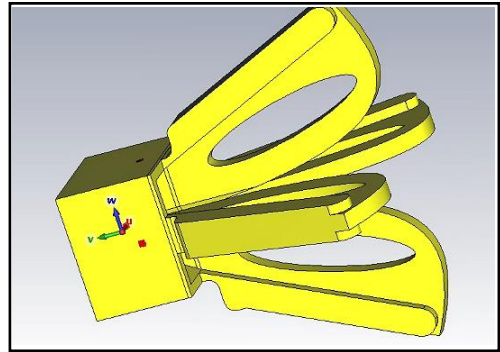


Quad Ridged,Dual Polarized,Horn Antenna,6-44GHz

P/N: YX-CDL6-44-10

Descriptions:

Model YX-CDL6-44-10 is a quad-ridged, dual polarized broadband horn antenna that operates from 6 to 44 GHz. The antenna includes an mounting plate with a 1/4-20 threaded hole and various other mounting holes for flexible mounting capacity. The RF ports are equipped with two female OS2.4mm connectors.



Typical Applications:

- Ultra-Wide bandwidth
- High Isolation
- Reliable gain, low standing wave.
- Lightweight, high reliability, and long lifespan

Applications:

- 5G mmW Systems
- Antenna Ranges
- Antenna Gain Measurements



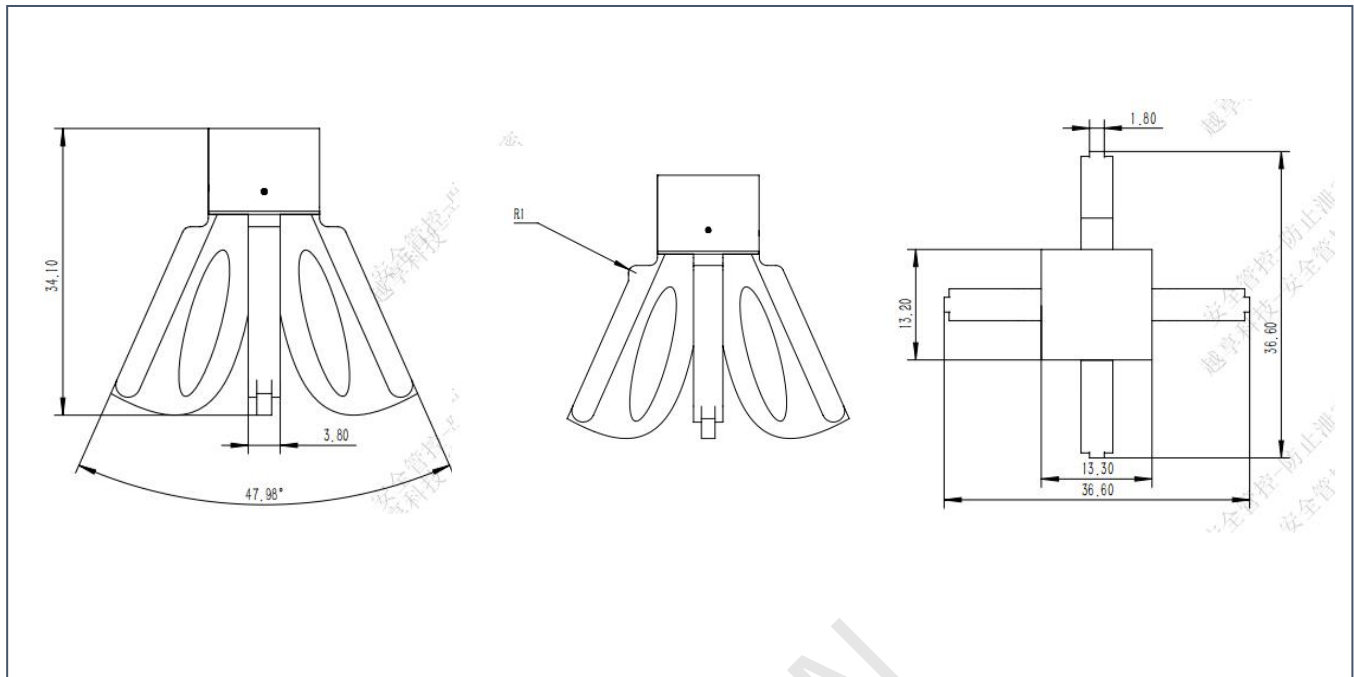
Electrical & Environmental Characteristics

Operating Frequency	6-44 GHz
Gain	4.5-13.5dB
VSWR	2.0 typical
Polarization	Dual Linear
E-Plane 3 dB Beamwidth	45 degrees typical
H-Plane 3 dB Beamwidth	55 degrees typical
Port Isolation	-25dB typical
Cross Polarization	-20dB typical
Power Handling	10W(cw)
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

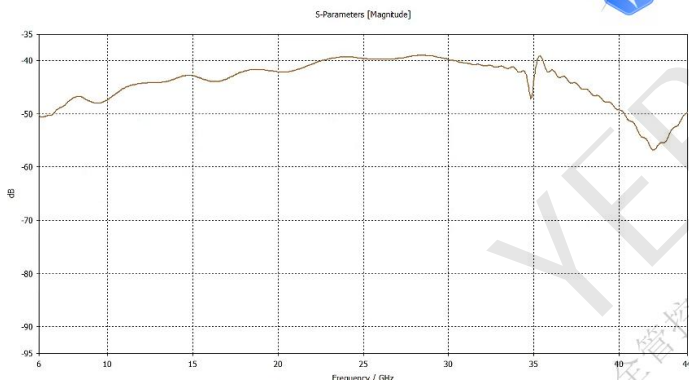
Material & Coat-Plating

Antenna Ports	OS2.4-Female
Mounting	Mounting Plate with 1/4-20 threaded hole
Material	Aluminum
Finish	Chem Film (Antenna), Black Anodized (Antenna Mount Plate)
Size	34.1*36.6*36.6mm
Weight (approx.)	N/A

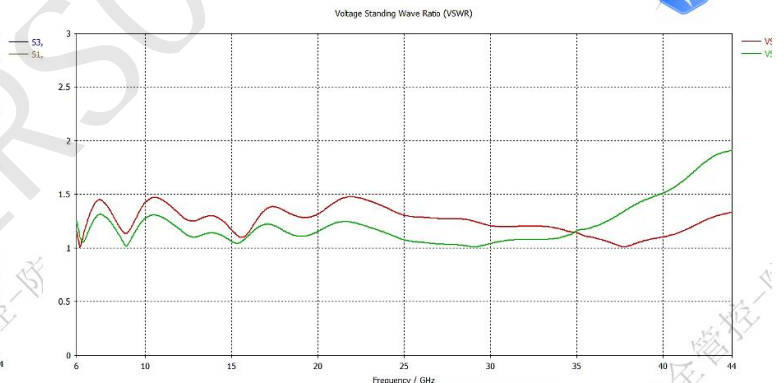
Outline Drawing(Unit:mm)



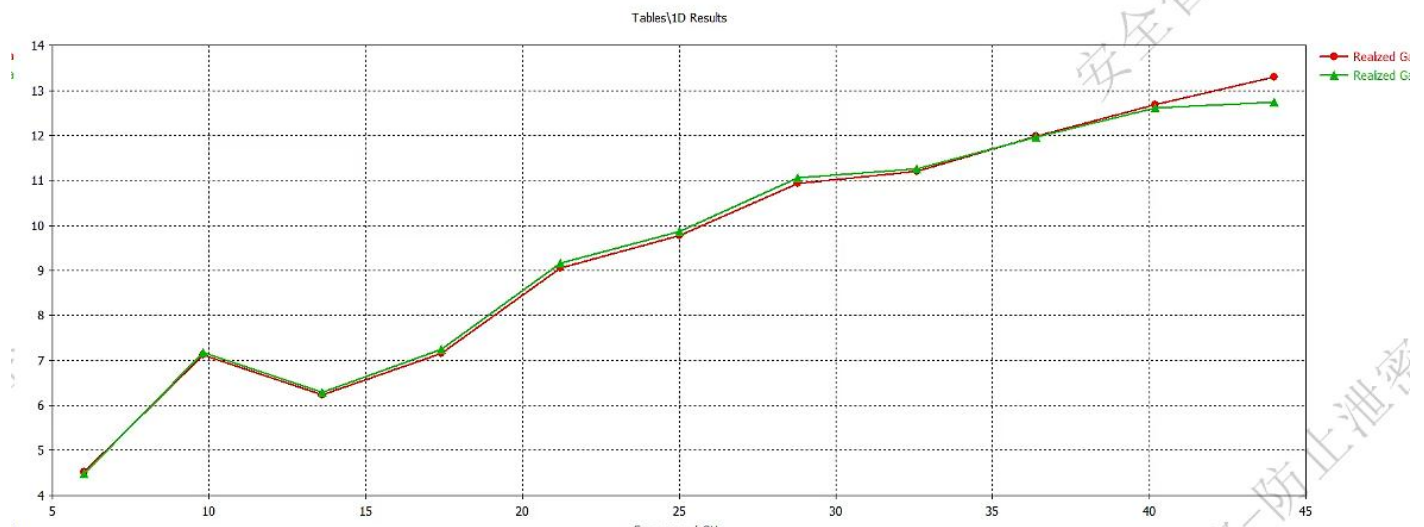
Port Isolation



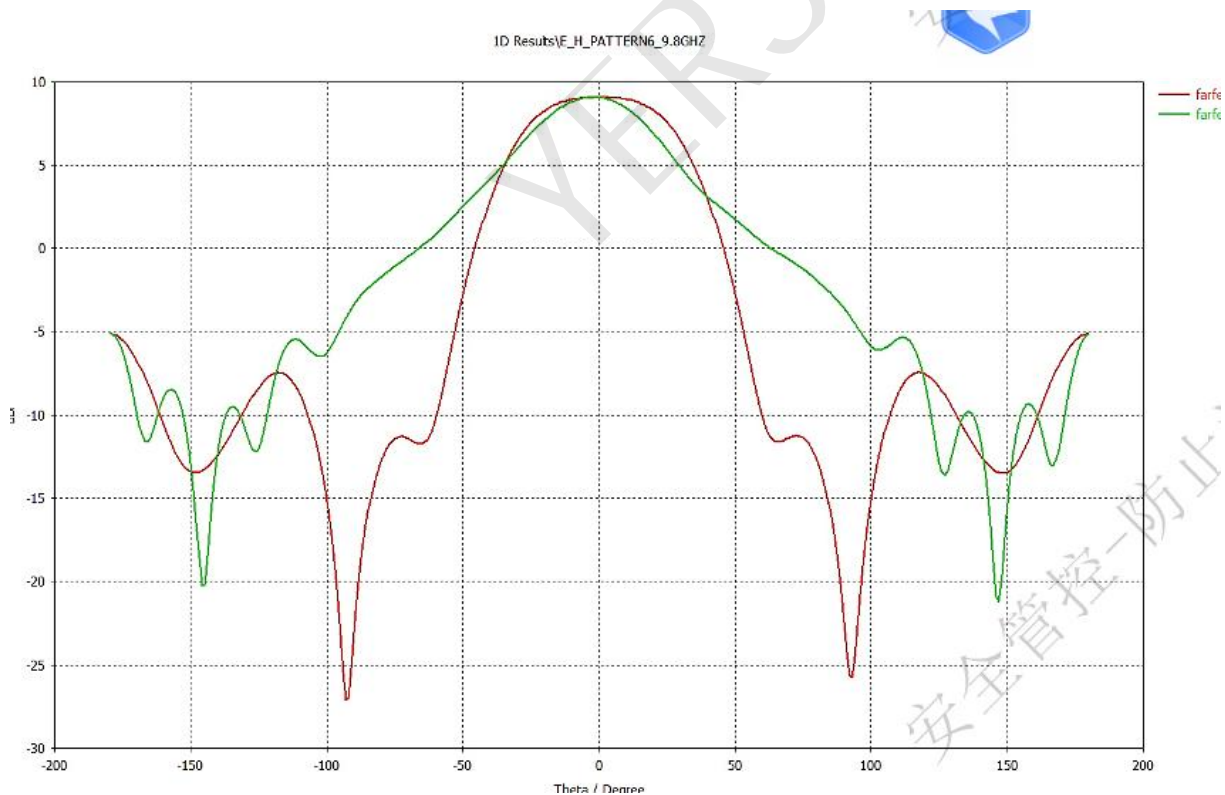
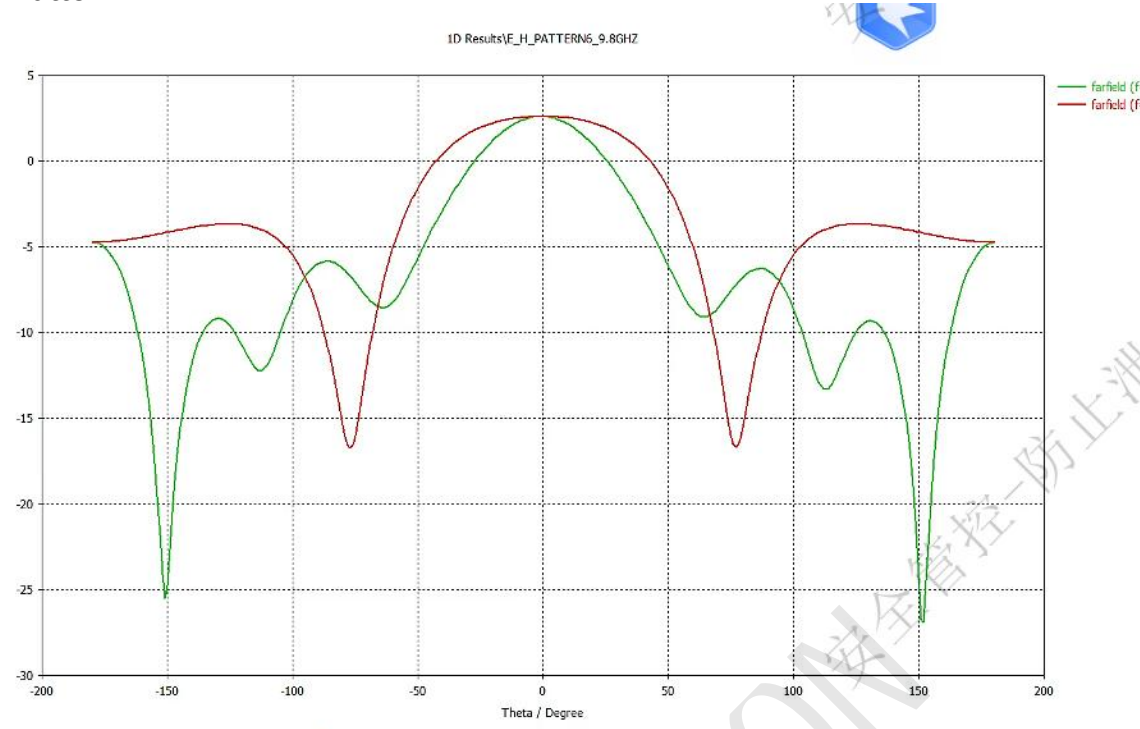
VSWR



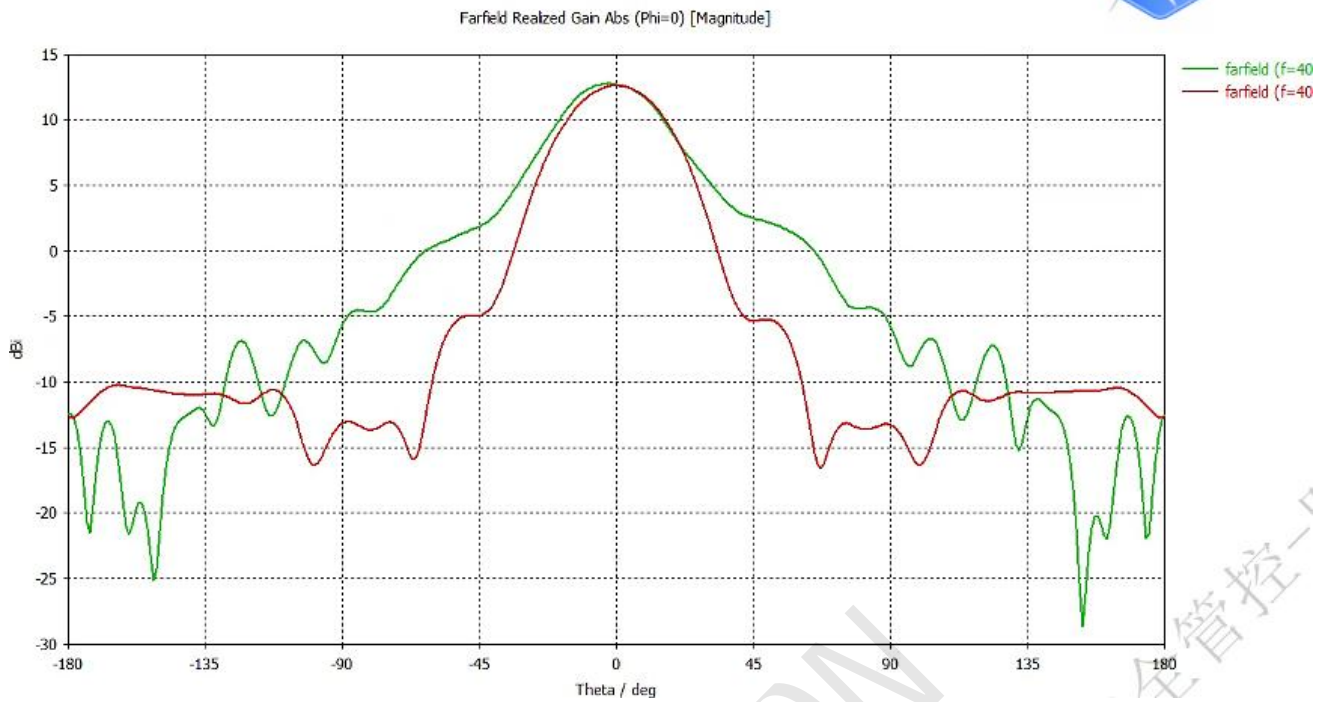
Gain VS Frequency



Pattern



Pattern



Note : All of the aboving data come from simulating.