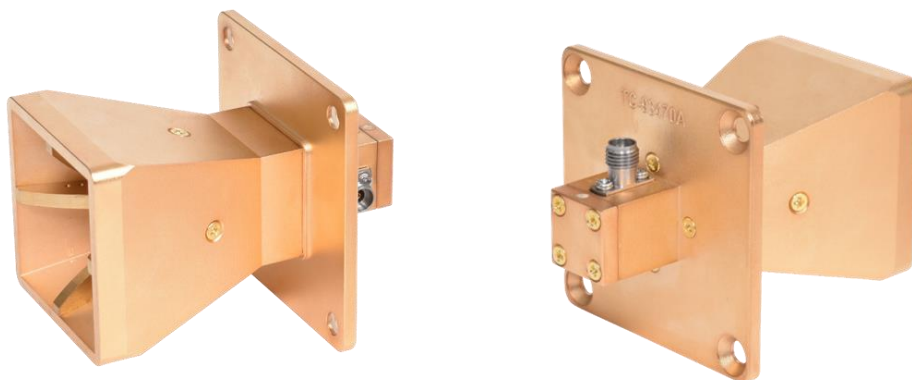


TC-93470A Quad Ridged Horn Antenna



Features

- 18 GHz ~ 40 GHz Frequency Range
- 2.92 mm Female RF Interface

Specifications

Configurations

Antenna Type	QRH (Quad Ridged Horn)
RF Connector	2.92 mm Female
Material	Brass with gold plating

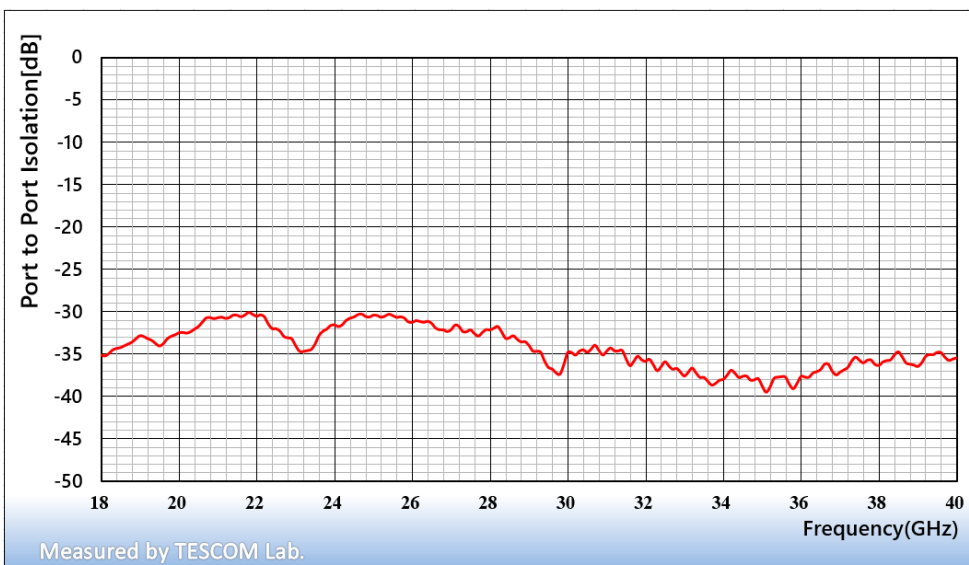
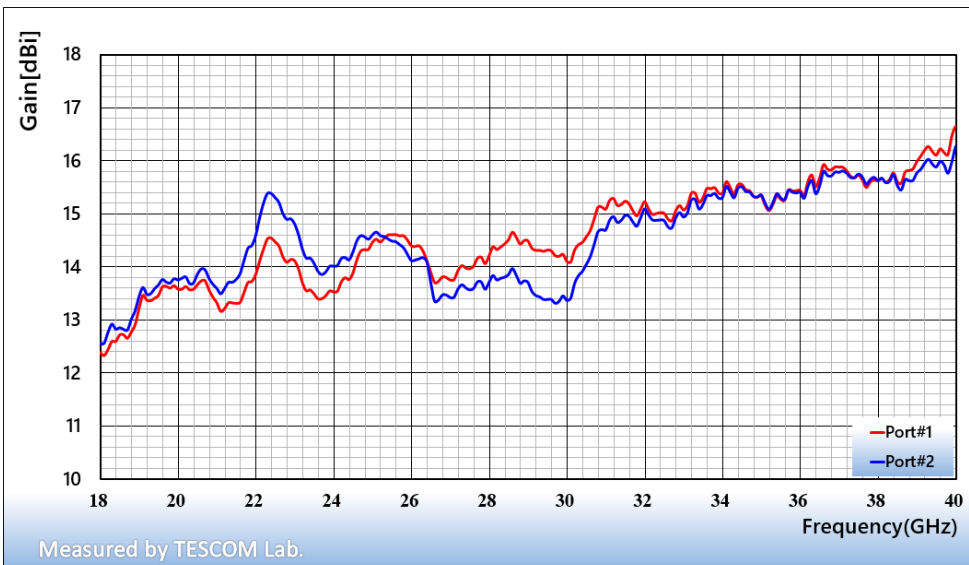
Electrical Specifications

Frequency Range	18 GHz to 40 GHz
Gain	14.0 dBi @ 28 GHz, 15.5 dBi @ 36 GHz
E-Plane 3dB Beamwidth(Degree)	28.8 @ 28 GHz, 25.9 @ 36 GHz
H-Plane 3dB Beamwidth(Degree)	20.3 @ 28 GHz, 16.5 @ 36 GHz
VSWR	< 2
Impedance	50 Ω
Cross Port Isolation	< -20 dB

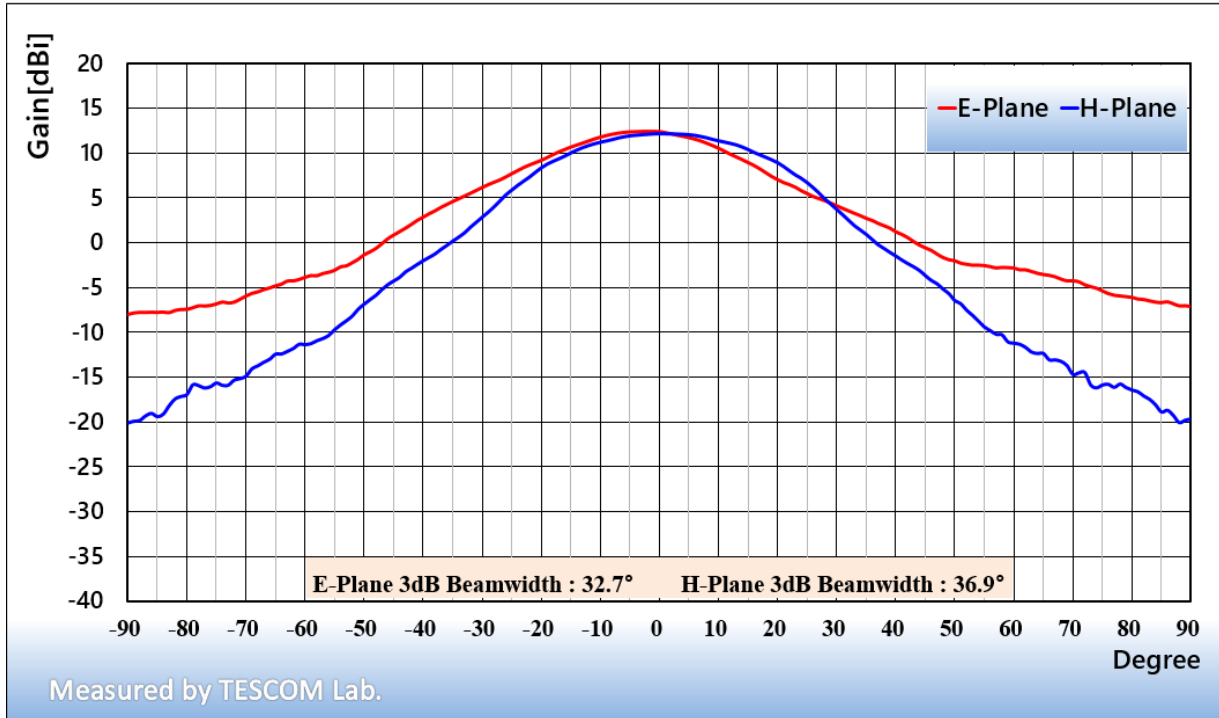
Mechanical Specifications

Size (mm)	
Length x Width x Height	70 x 54 x 54 mm
Weight	approx. 315g

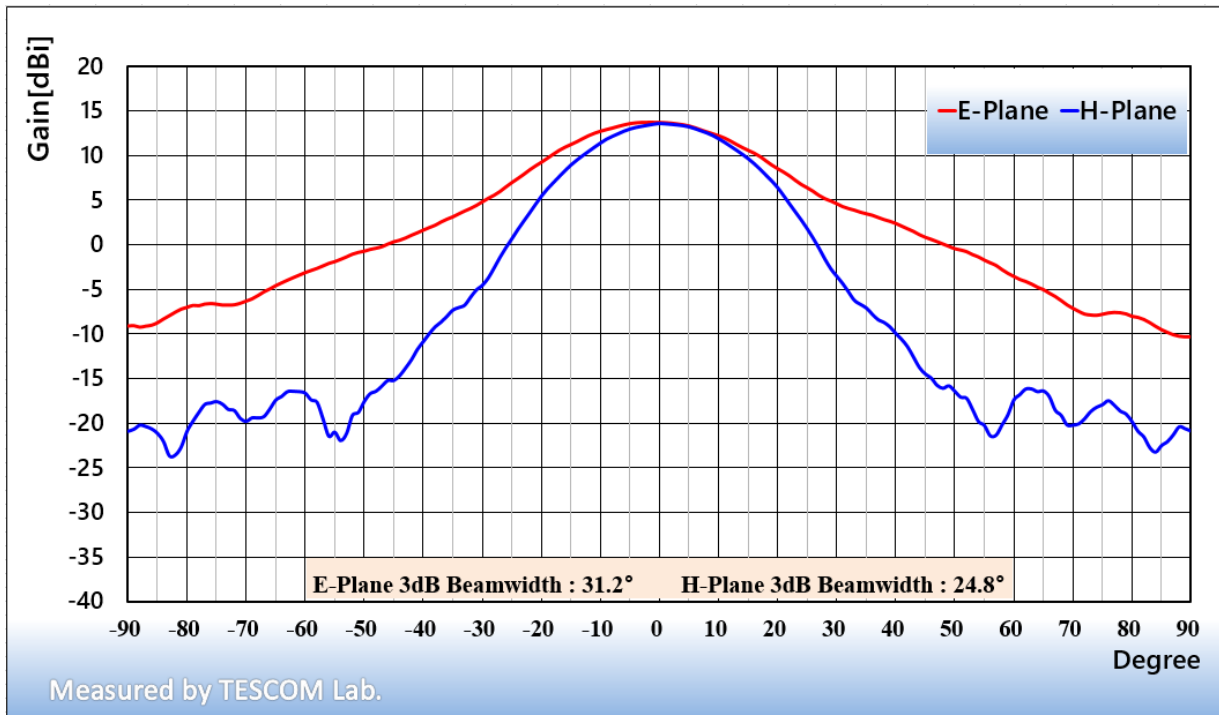
Typical Performance Data



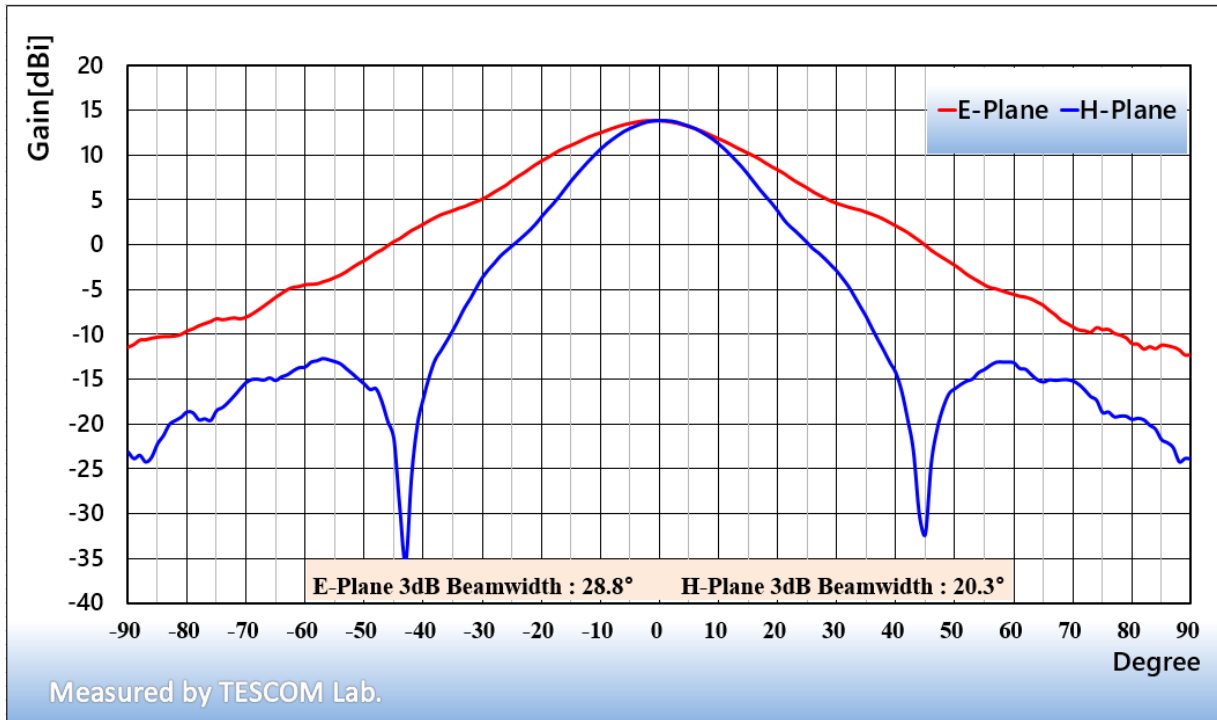
■ Radiation pattern(Measured data)



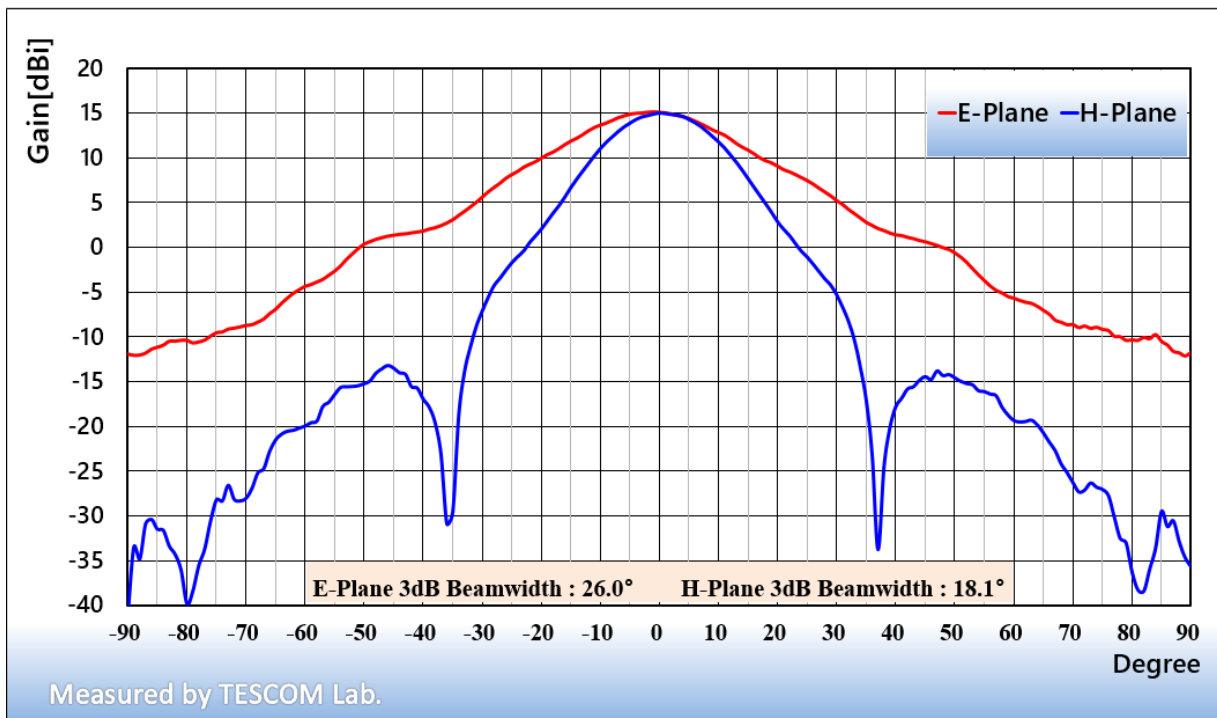
<TC-93470A Port 1 @ 18 GHz>



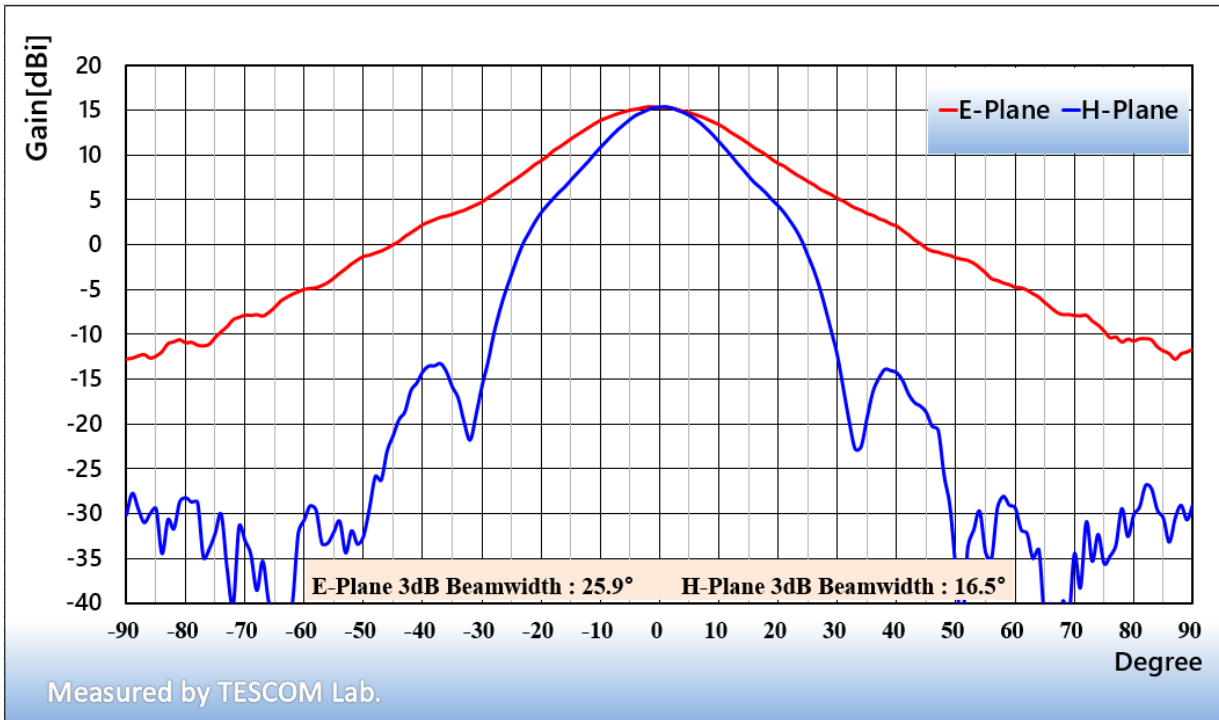
<TC-93470A Port 1 @ 24 GHz>



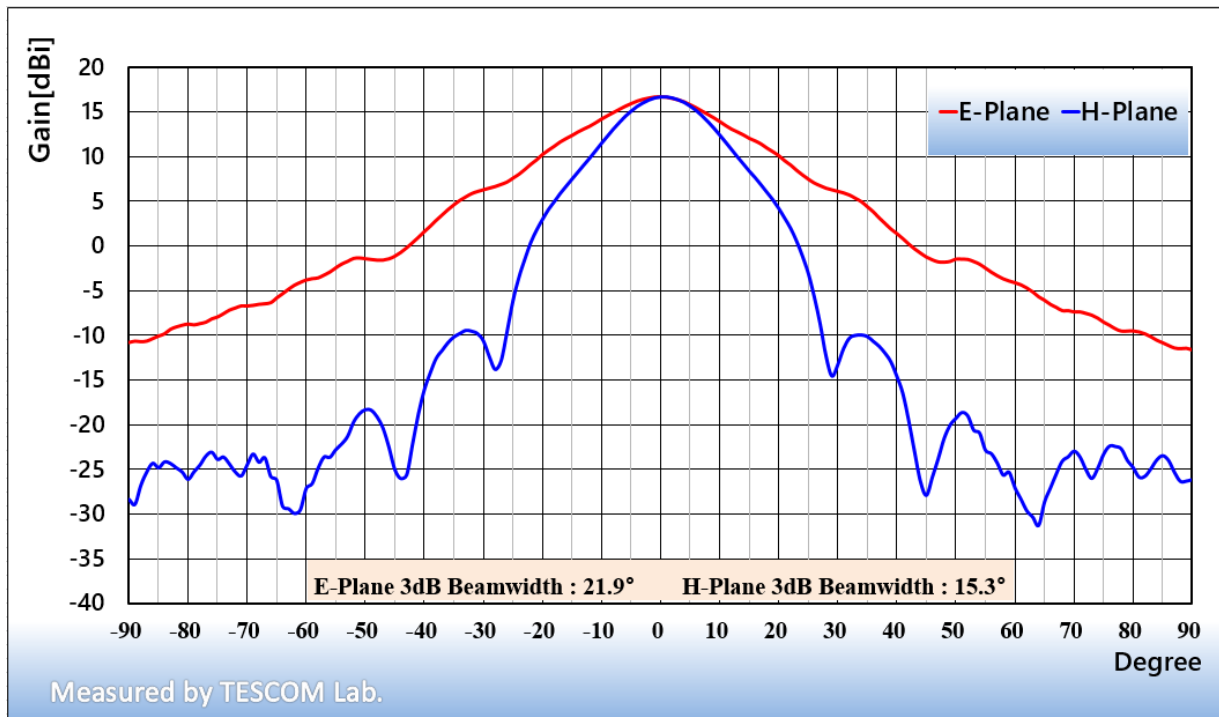
<TC-93470A Port 1 @ 28 GHz>



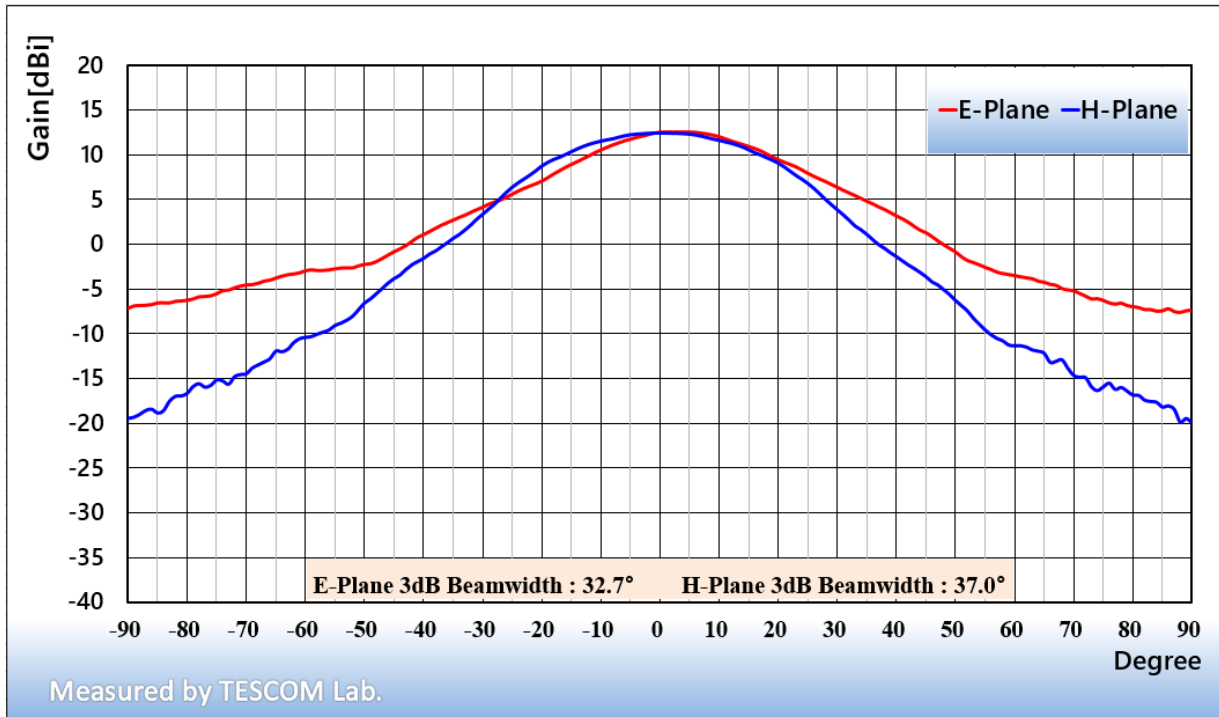
<TC-93470A Port 1 @ 32 GHz>



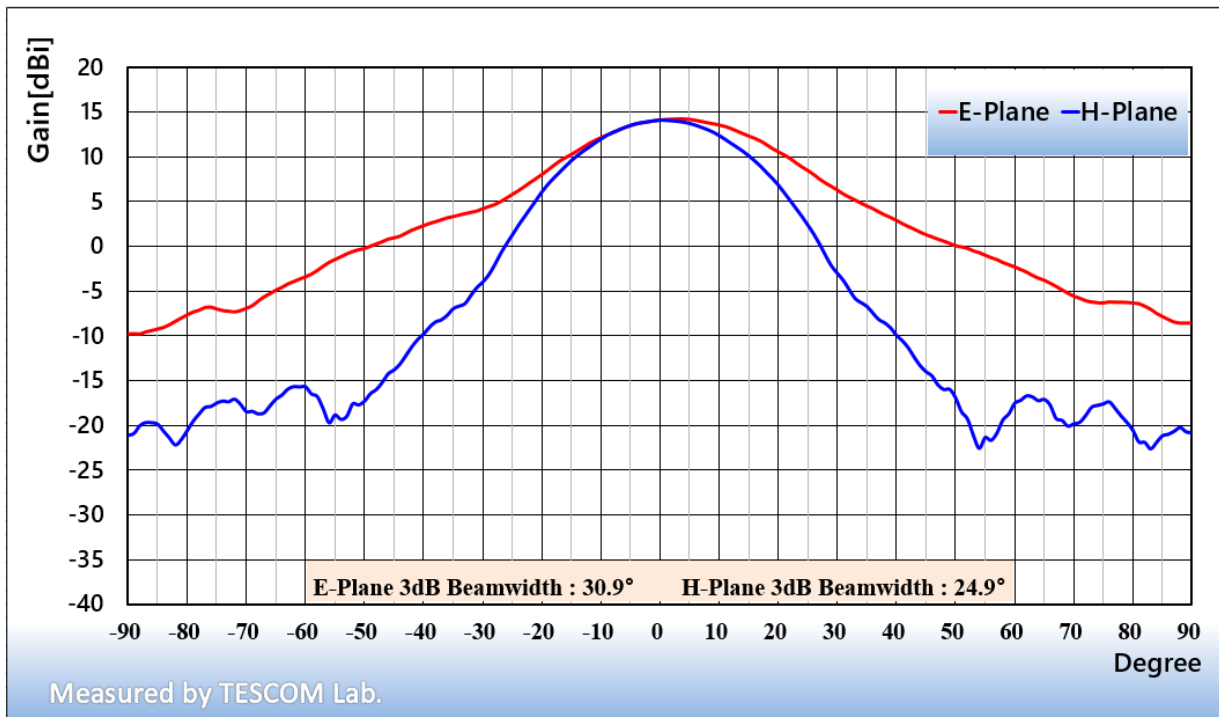
<TC-93470A Port 1 @ 36 GHz>



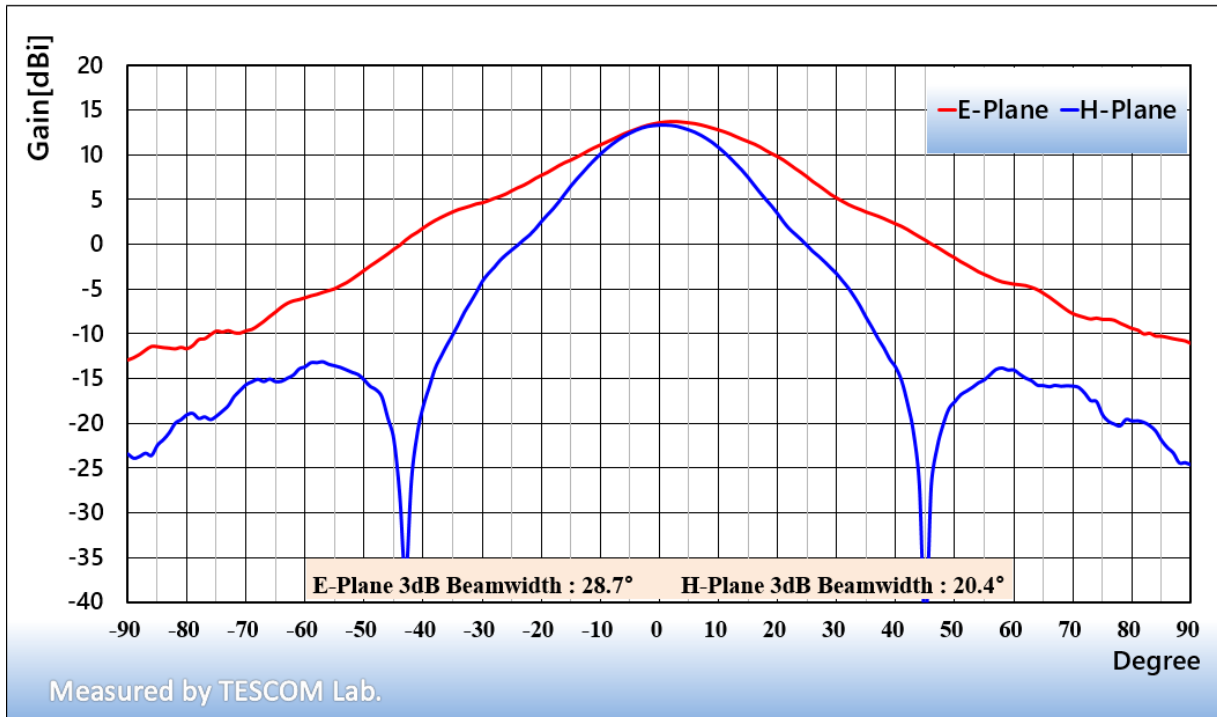
<TC-93470A Port 1 @ 40 GHz>



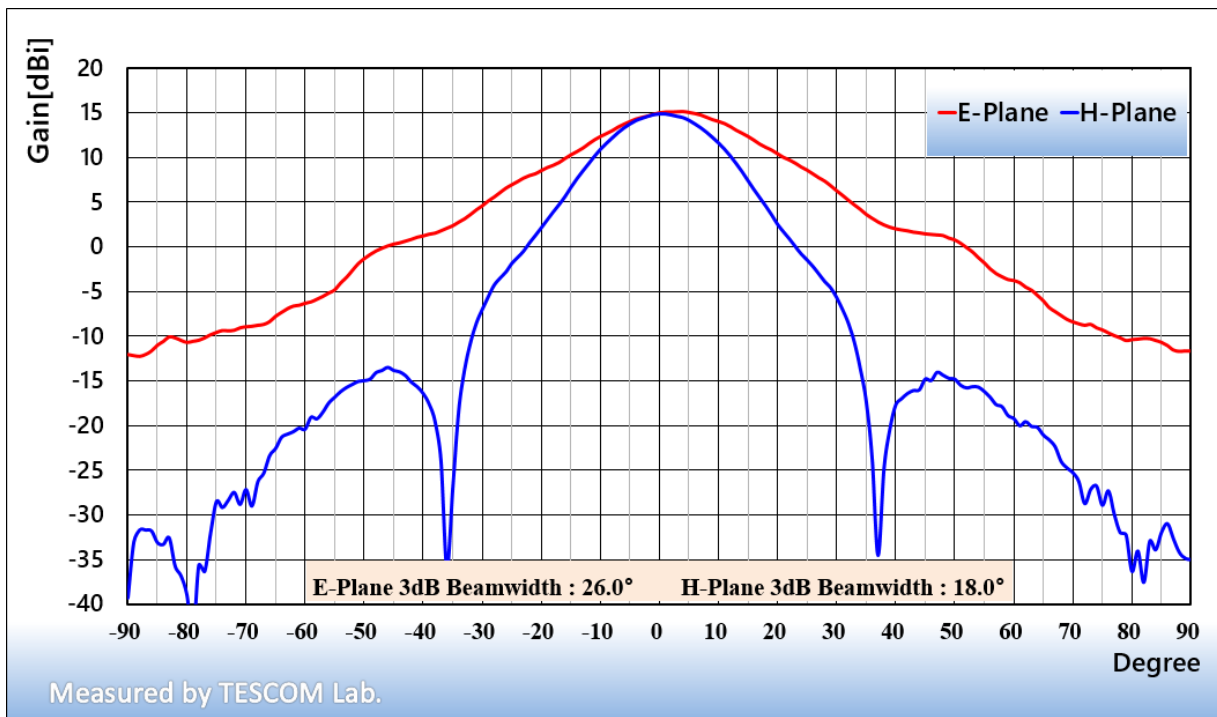
<TC-93470A Port 2 @ 18 GHz>



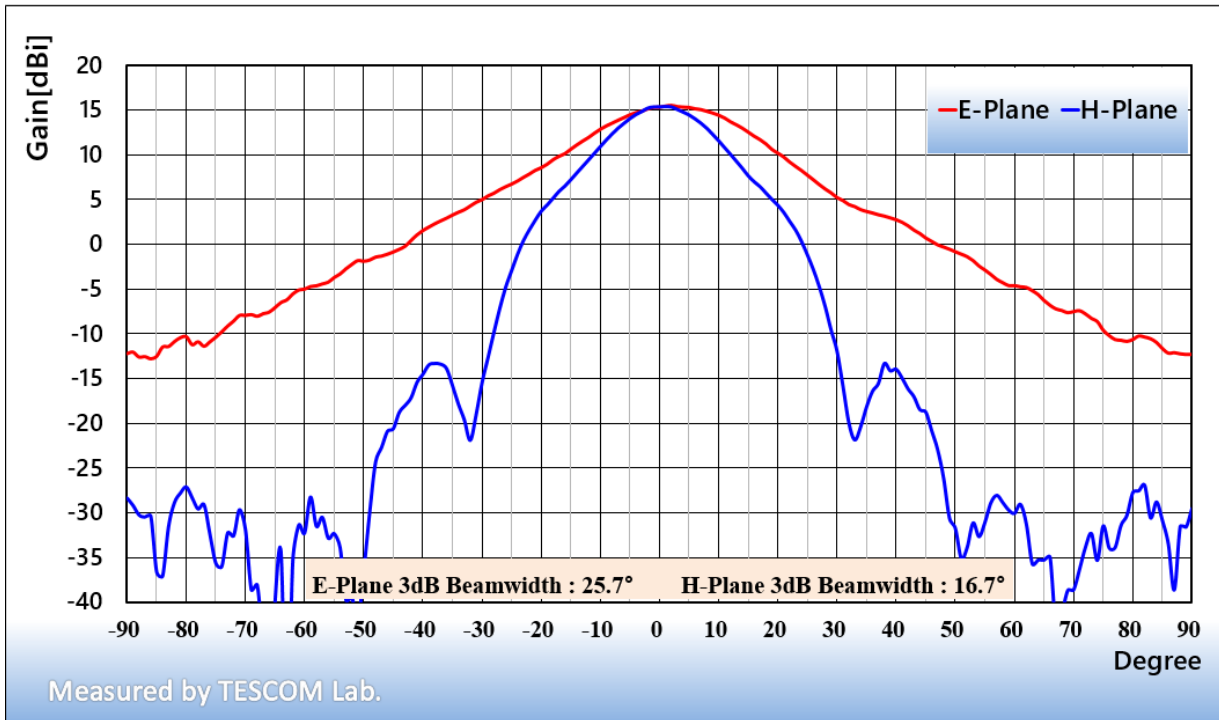
<TC-93470A Port 2 @ 24 GHz>



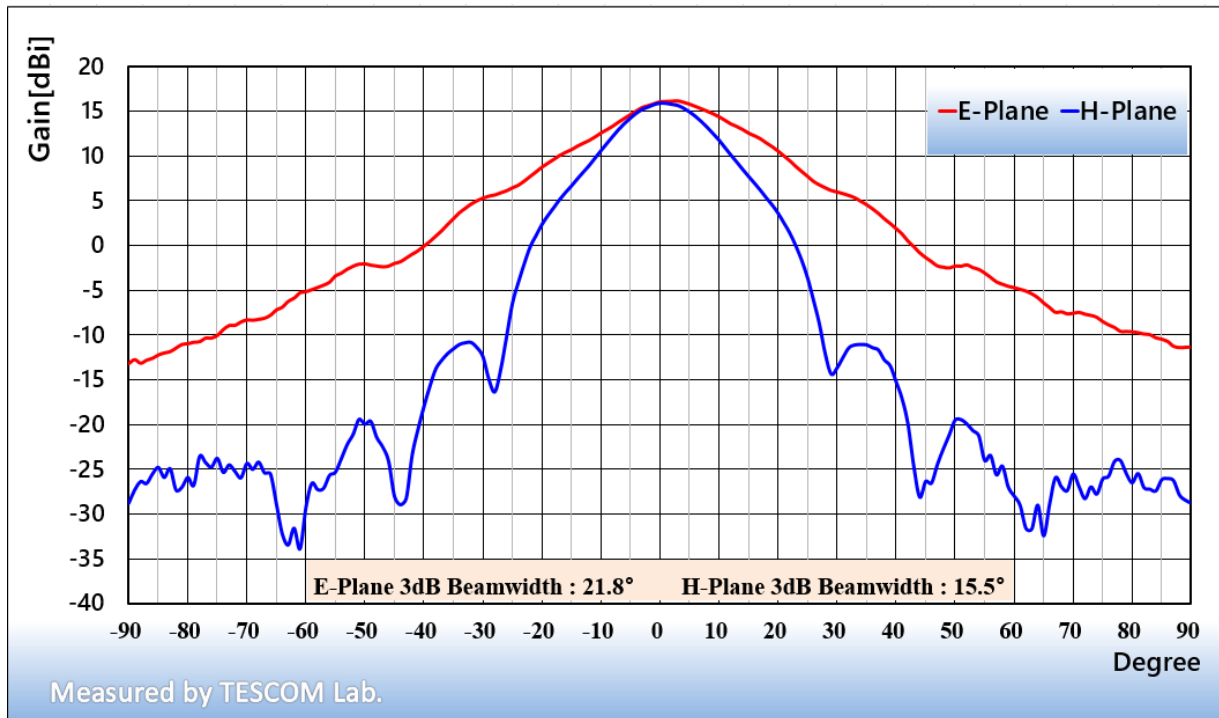
<TC-93470A Port 2 @ 28 GHz>



<TC-93470A Port 2 @ 32 GHz>



<TC-93470A Port 2 @ 36 GHz>



<TC-93470A Port 2 @ 40 GHz>

Ordering Information

Order Number	Description
TC-93470A	Quad Ridged Horn Antenna - Cable Not Included