

TC-93474B Quad Ridged Horn Antenna



Features

- 24 GHz ~ 44 GHz Frequency Range
- 2.4 mm Female RF Interface

Specifications

Configurations

Antenna Type	QRH (Quad Ridged Horn)
RF Connector	2.4 mm Female
Material	Brass with gold plating

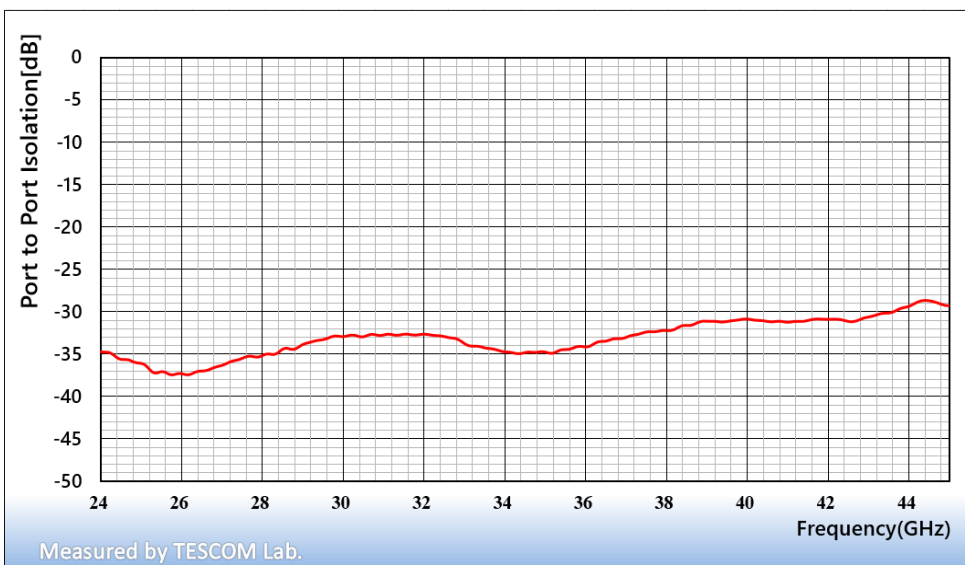
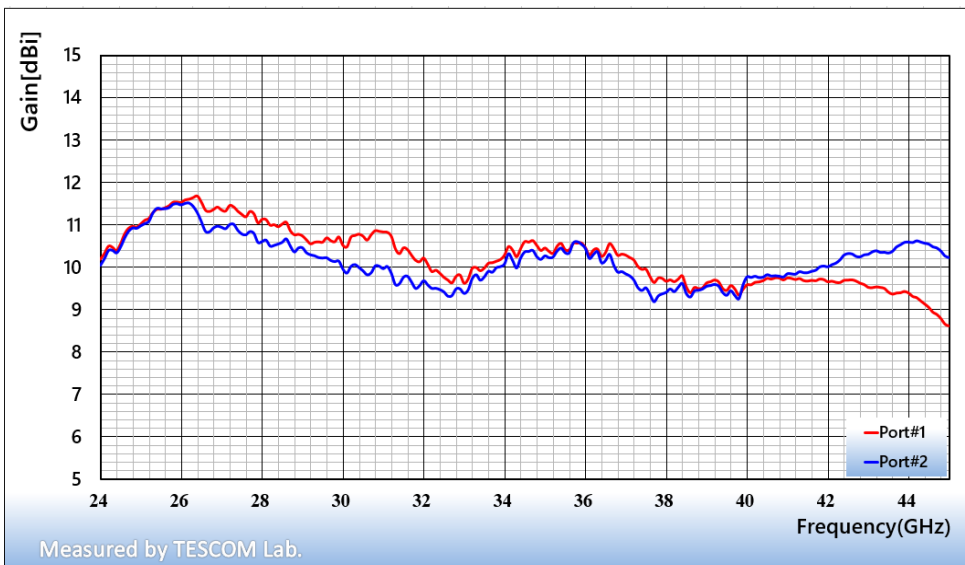
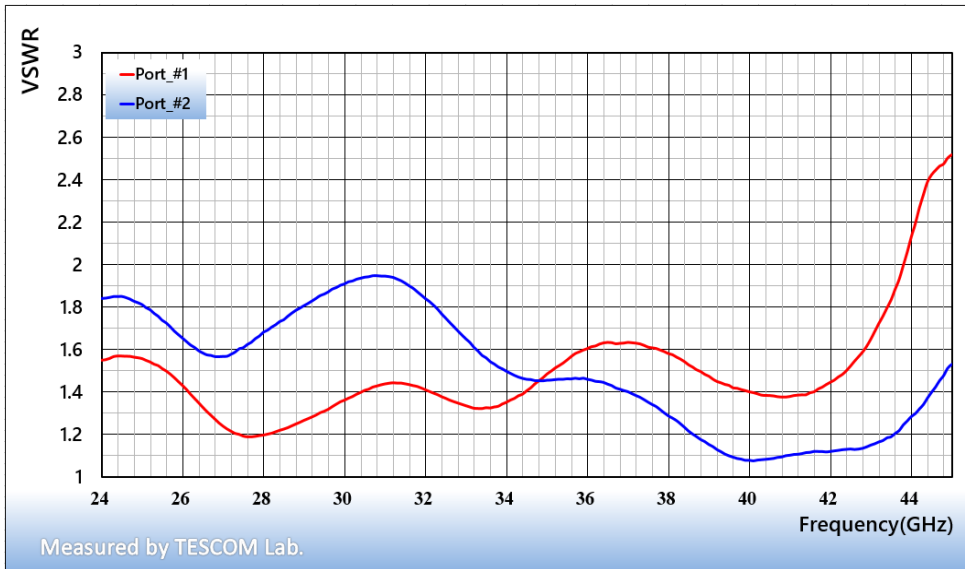
Electrical Specifications

Frequency Range	24 GHz to 44 GHz
Gain	10.5 dBi @ 28 GHz, 9.5 dBi @ 43.5 GHz
E-Plane 3dB Beamwidth(Degree)	36.2 @ 28 GHz, 53.2 @ 43.5 GHz
H-Plane 3dB Beamwidth(Degree)	33.1 @ 28 GHz, 25.6 @ 43.5 GHz
VSWR	< 2.5
Impedance	50 Ω
Cross Port Isolation	< -20 dB

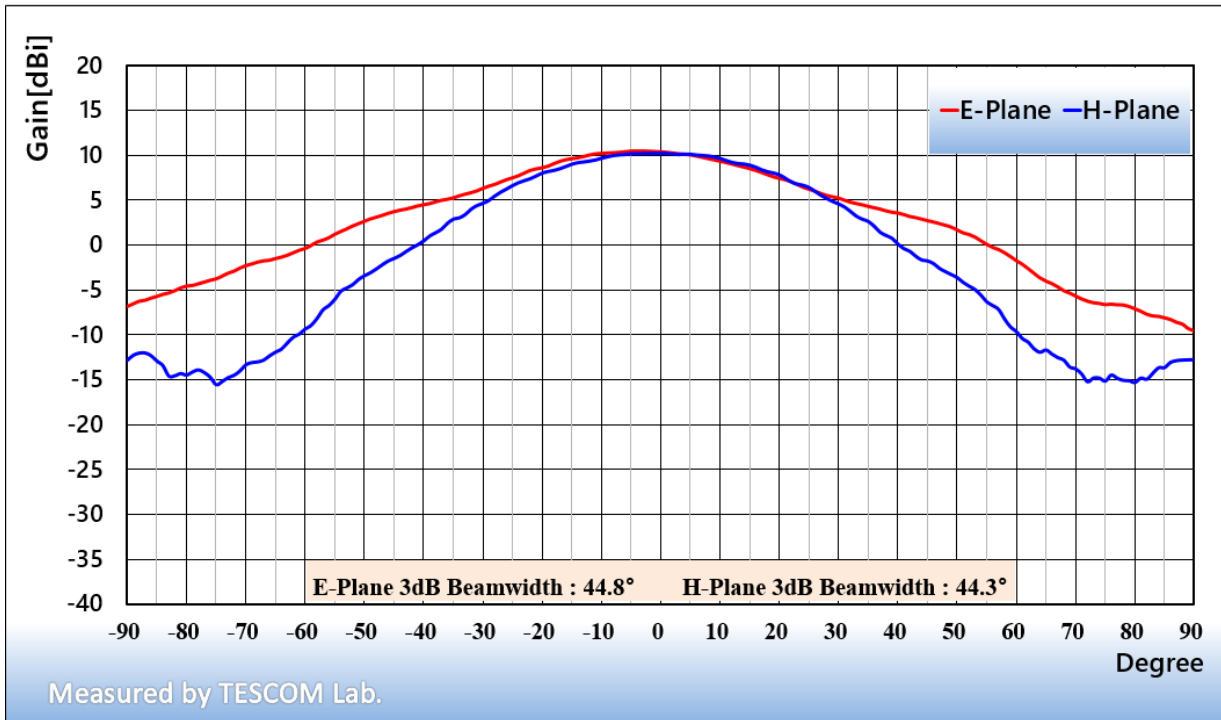
Mechanical Specifications

Size (mm)	
Length x Width x Height	33 x 30 x 30 mm
Weight	approx. 80 g

Typical Performance Data



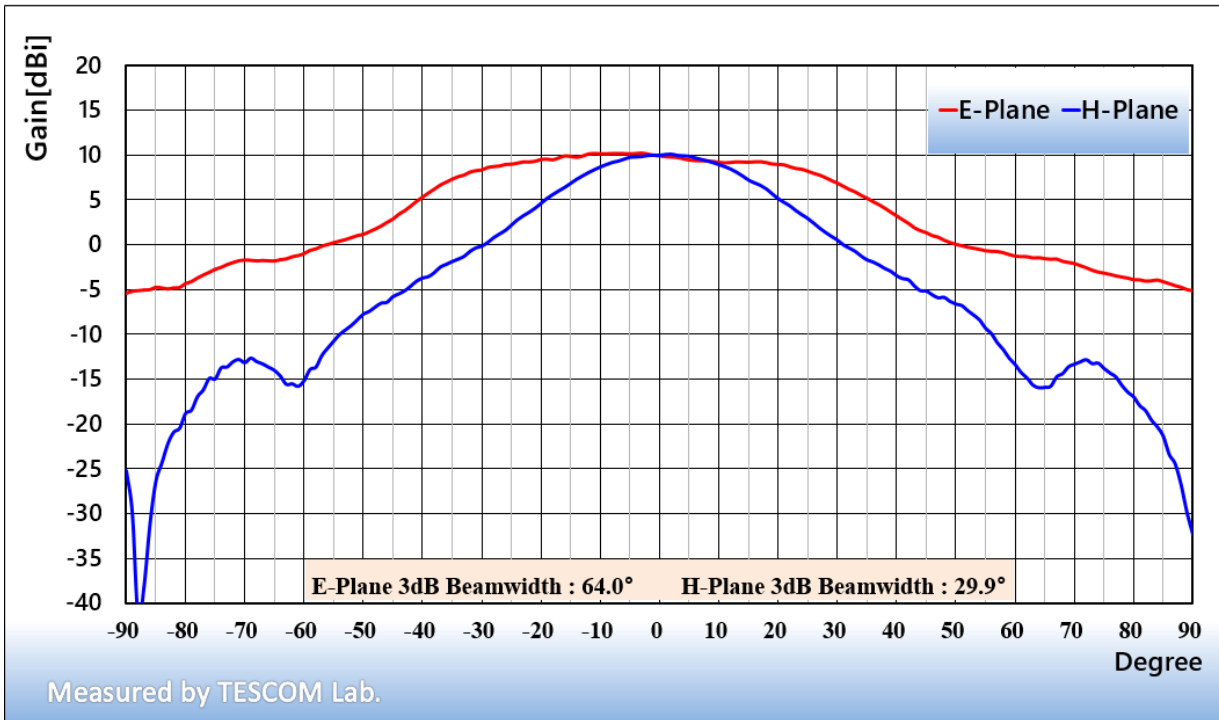
■ Radiation pattern(Measured data)



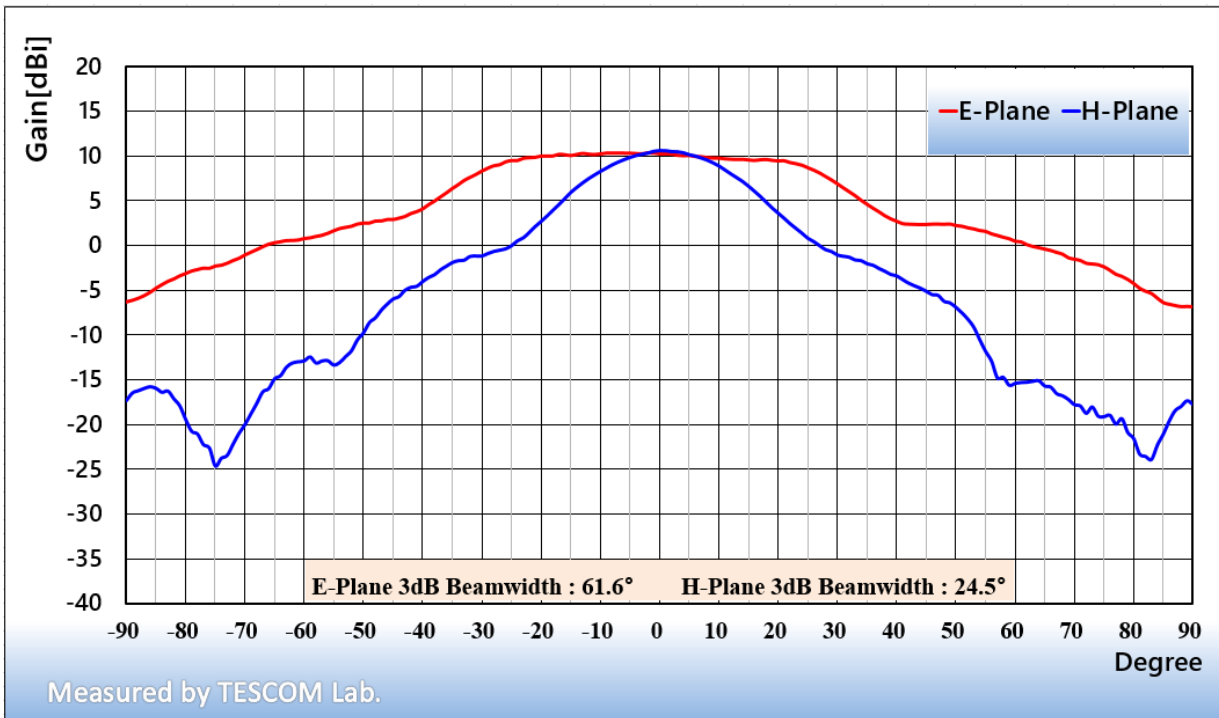
<TC-93474B Port 1 @ 24 GHz>



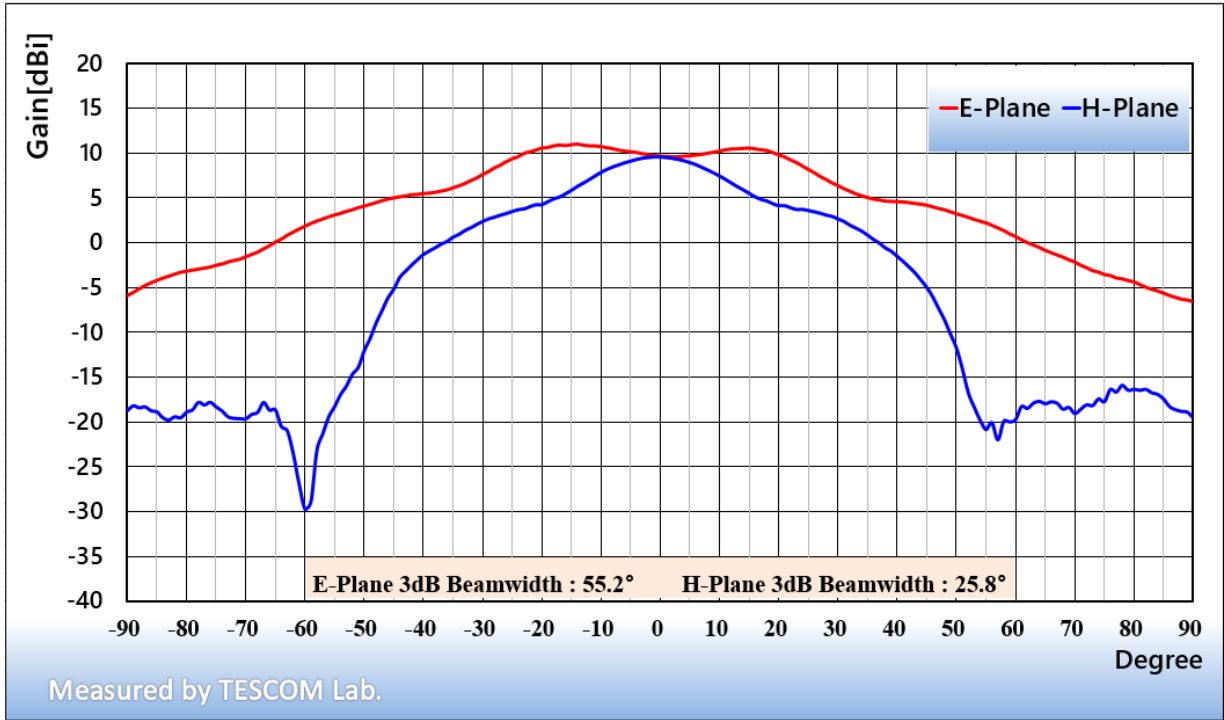
<TC-93474B Port 1 @ 28 GHz>



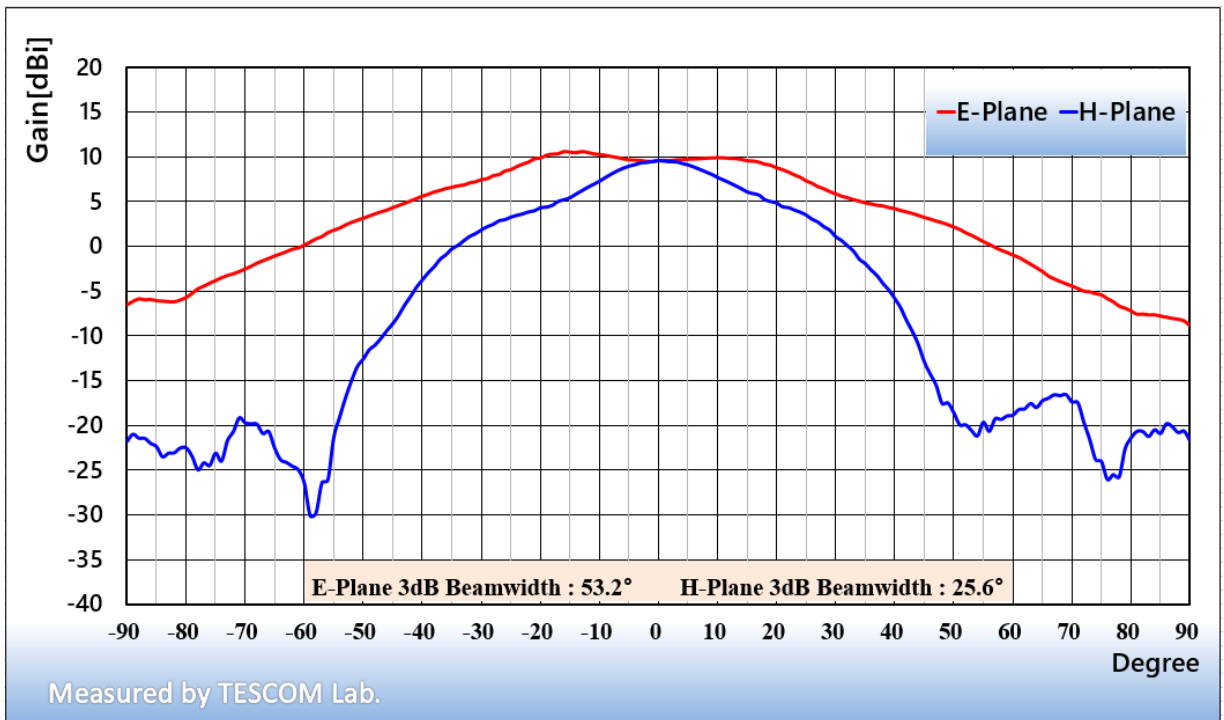
<TC-93474B Port 1 @ 32 GHz>



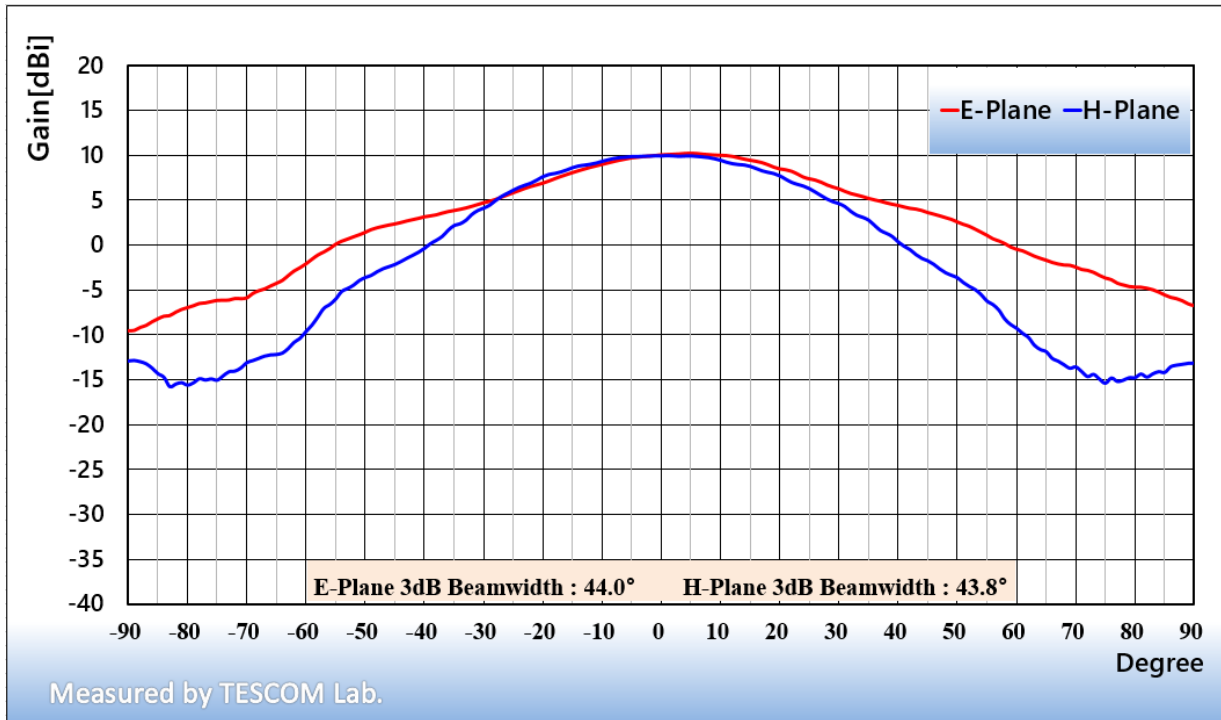
<TC-93474B Port 1 @ 36 GHz>



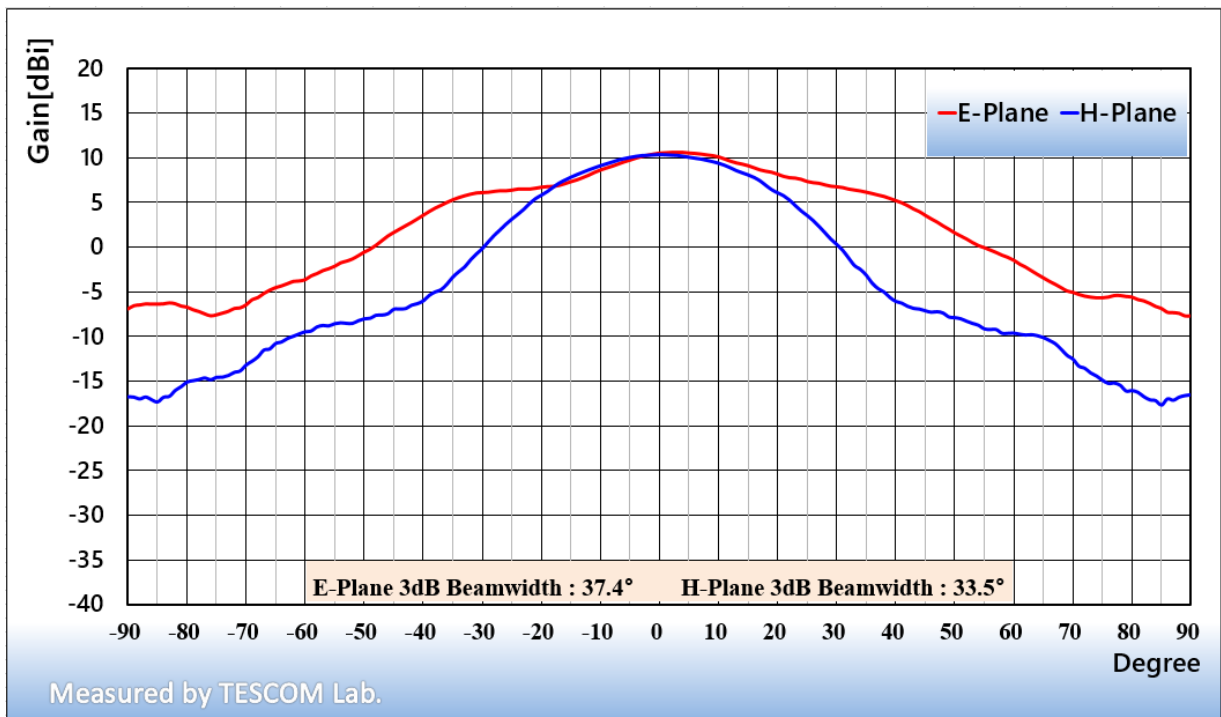
<TC-93474B Port 1 @ 40 GHz>



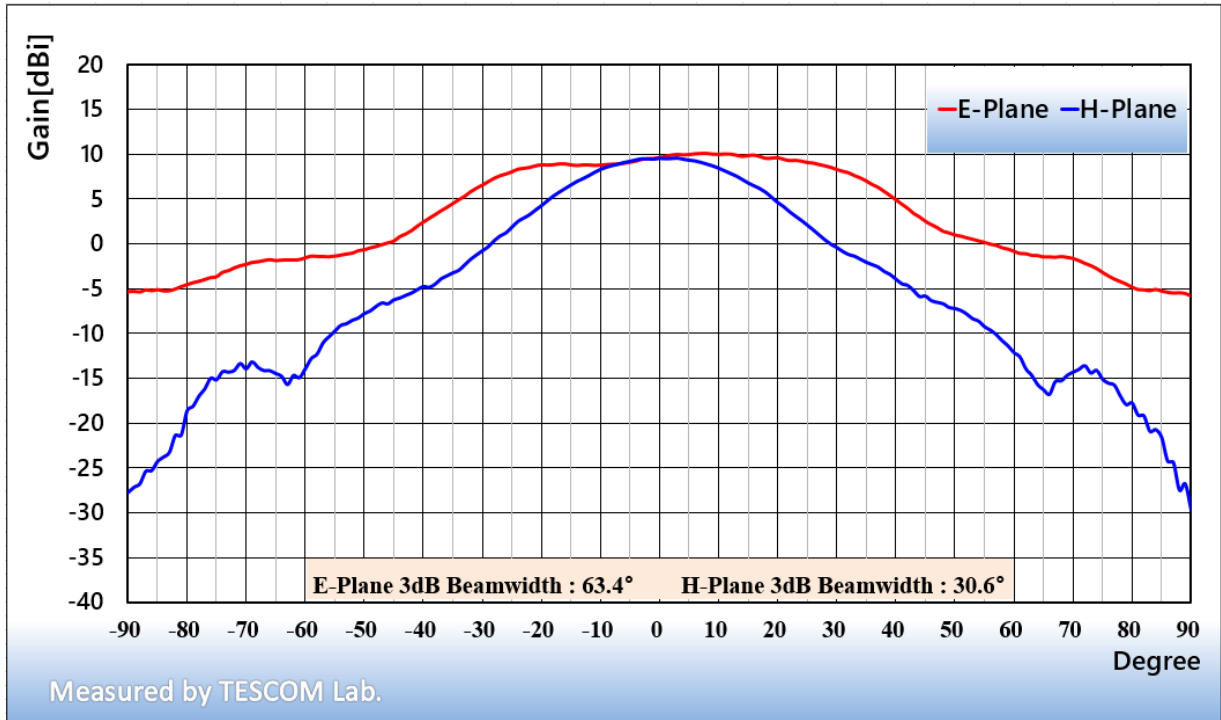
<TC-93474B Port 1 @ 43.5 GHz>



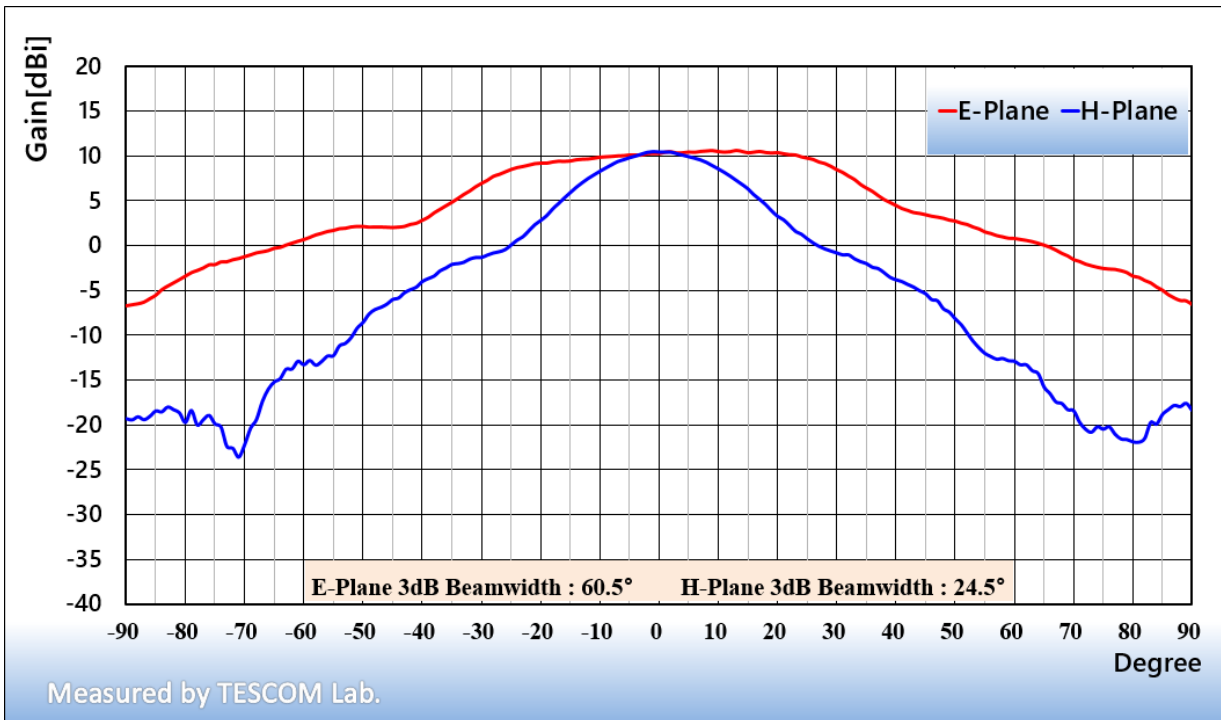
<TC-93474B Port 2 @ 24 GHz>



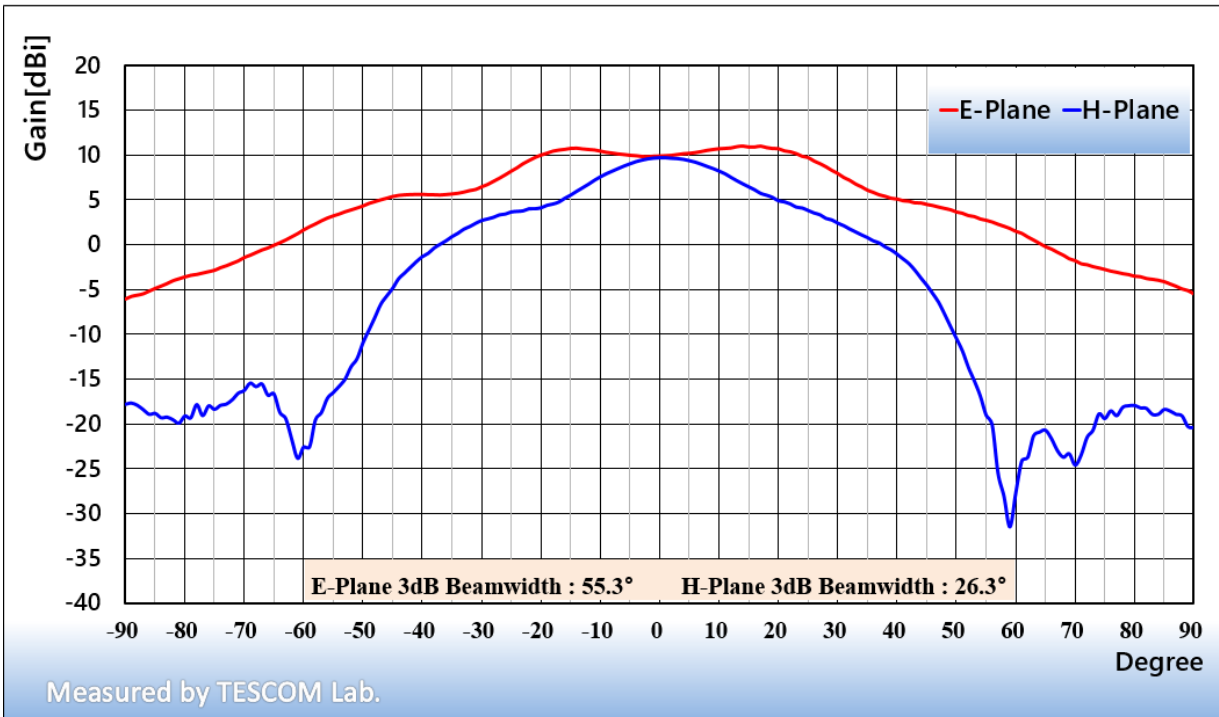
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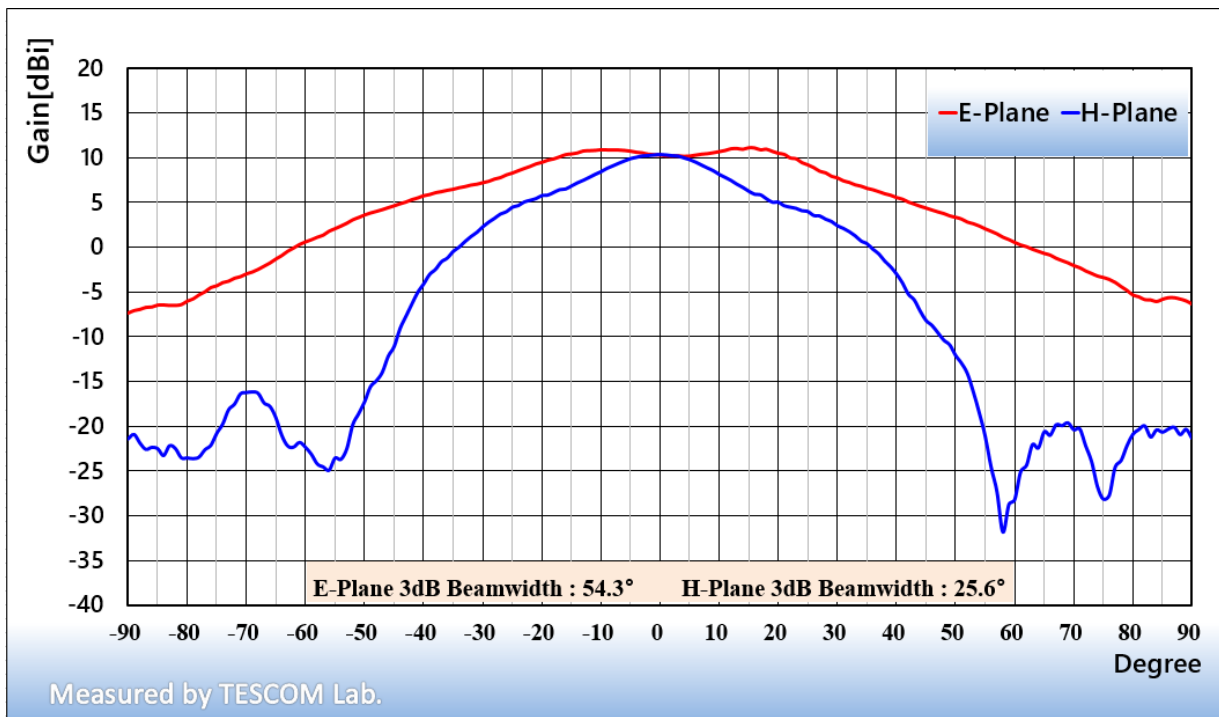
<TC-93474B Port 2 @ 32 GHz>



<TC-93474B Port 2 @ 36 GHz>



<TC-93474B Port 2 @ 40 GHz>



<TC-93474B Port 2 @ 43.5 GHz>

Ordering Information

Order Number	Description
TC-93474B	Quad Ridged Horn Antenna - Cable Not Included