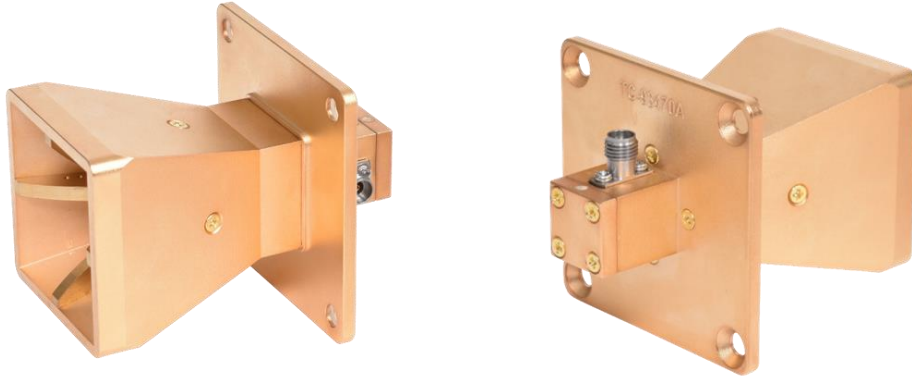


# TC-93470B Quad Ridged Horn Antenna



## Features

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

## Specifications

### Configurations

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

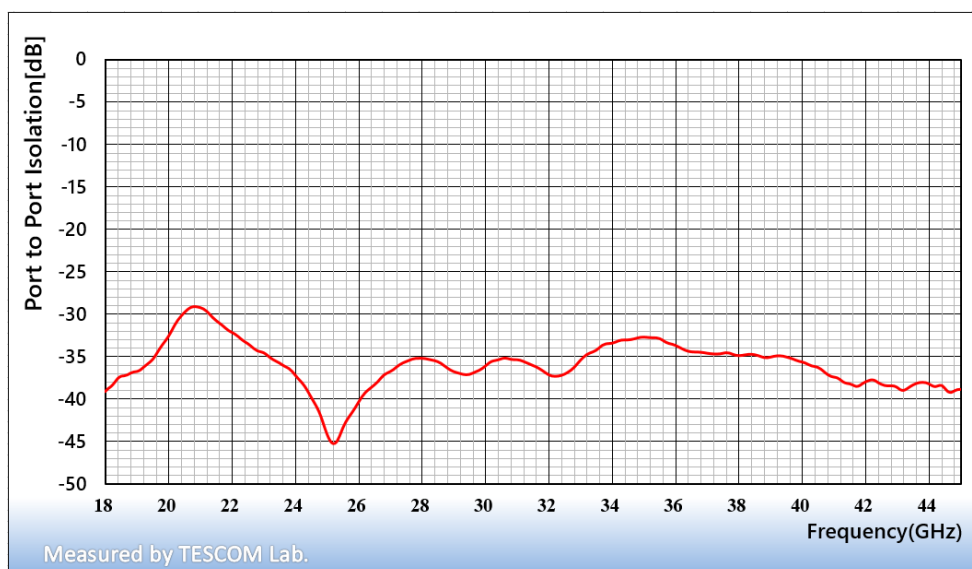
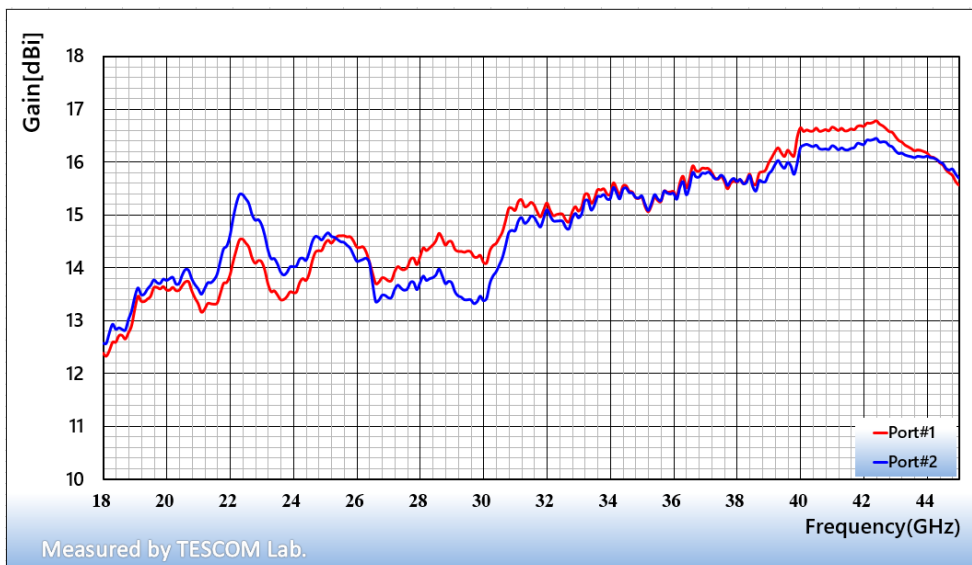
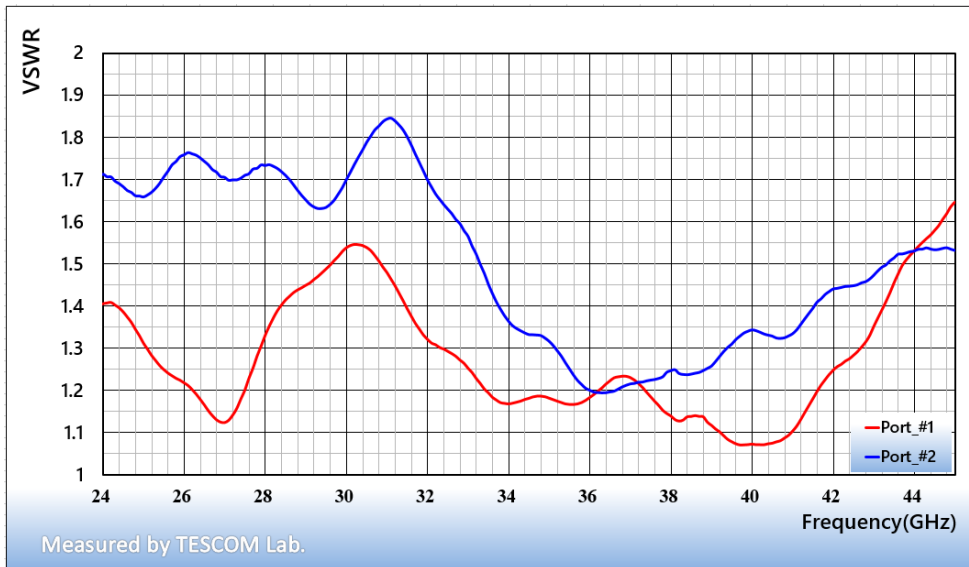
### Electrical Specifications

<b>Frequency Range</b>	18 GHz to 44 GHz
<b>Gain</b>	14.0 dBi @ 28 GHz, 16.0 dBi @ 43.5 GHz
<b>E-Plane 3dB Beamwidth(Degree)</b>	28.8 @ 28 GHz, 21.7 @ 43.5 GHz
<b>H-Plane 3dB Beamwidth(Degree)</b>	20.3 @ 28 GHz, 14.8 @ 43.5 GHz
<b>VSWR</b>	< 2
<b>Impedance</b>	50 $\Omega$
<b>Cross Port Isolation</b>	< -20 dB

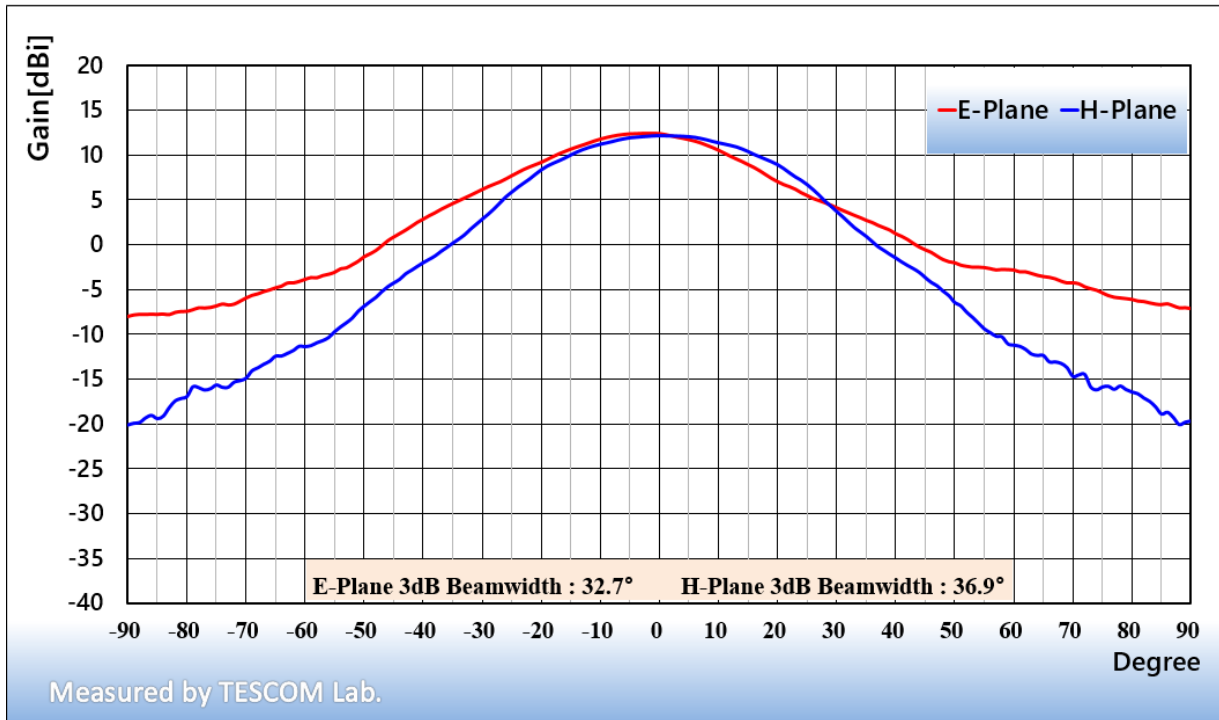
### Mechanical Specifications

<b>Size (mm)</b>	
Length x Width x Height	70 x 54 x 54 mm
<b>Weight</b>	approx. 315g

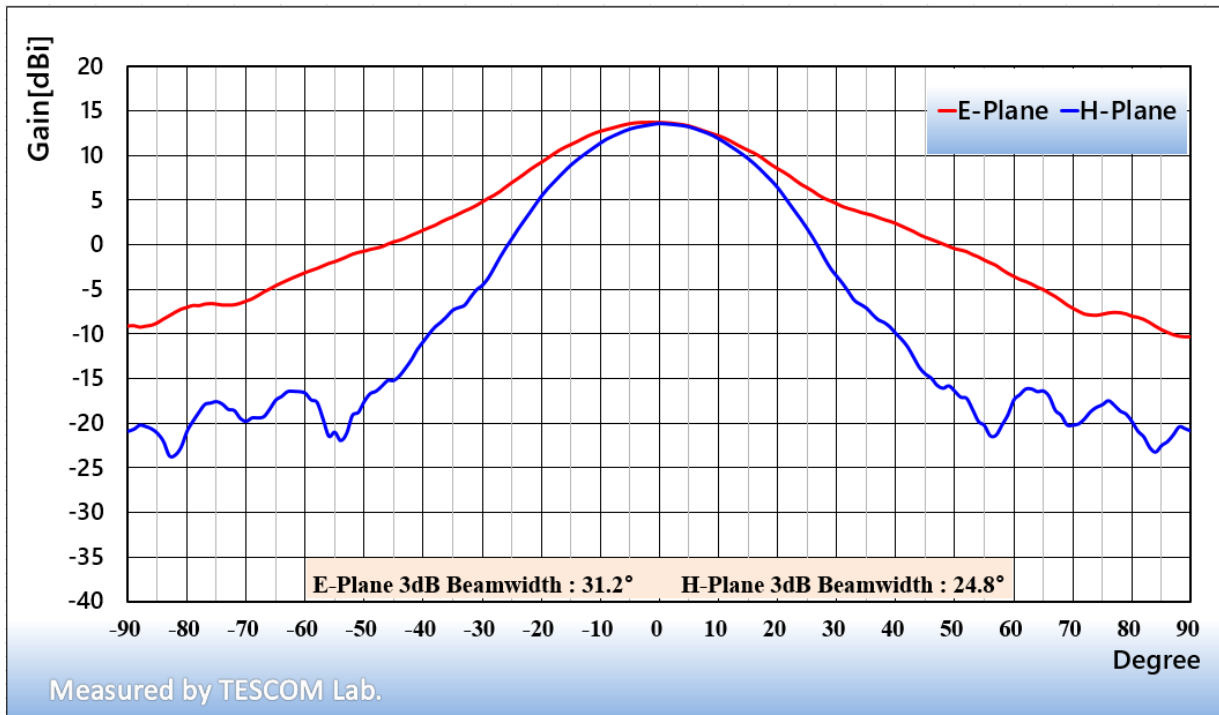
## Typical Performance Data



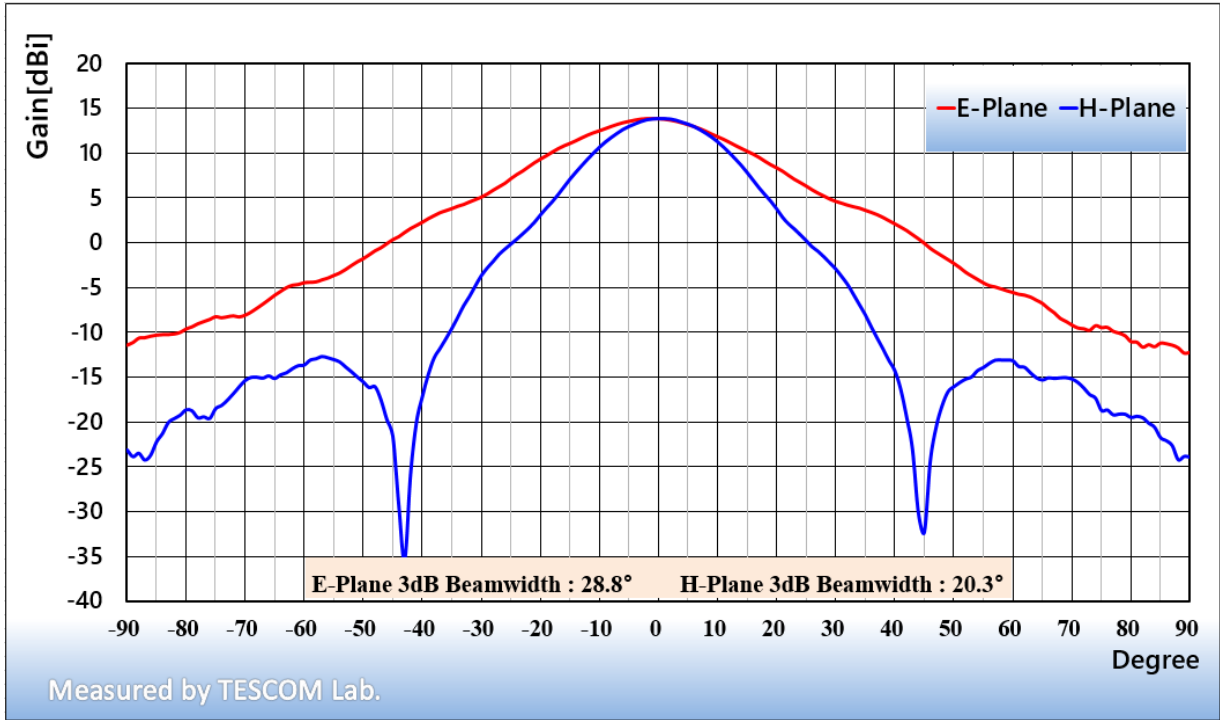
■ Radiation pattern(Measured data)



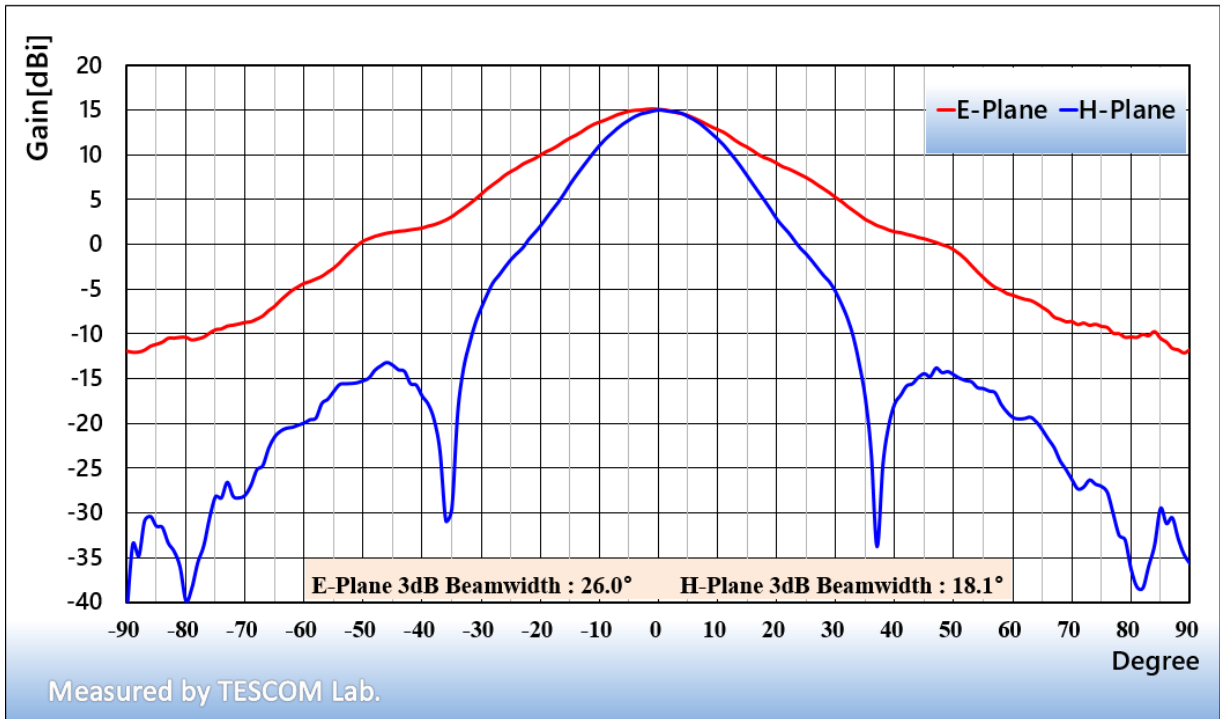
**<TC-93470B Port 1 @ 18 GHz>**



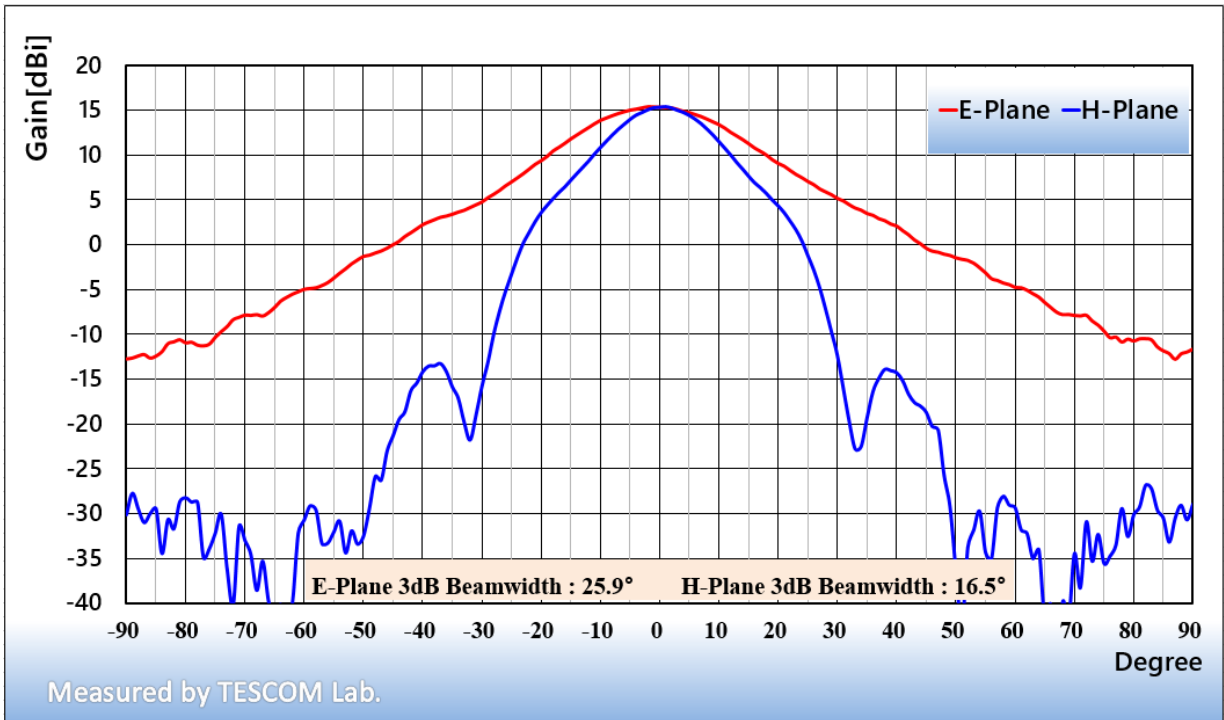
**<TC-93470B Port 1 @ 24 GHz>**



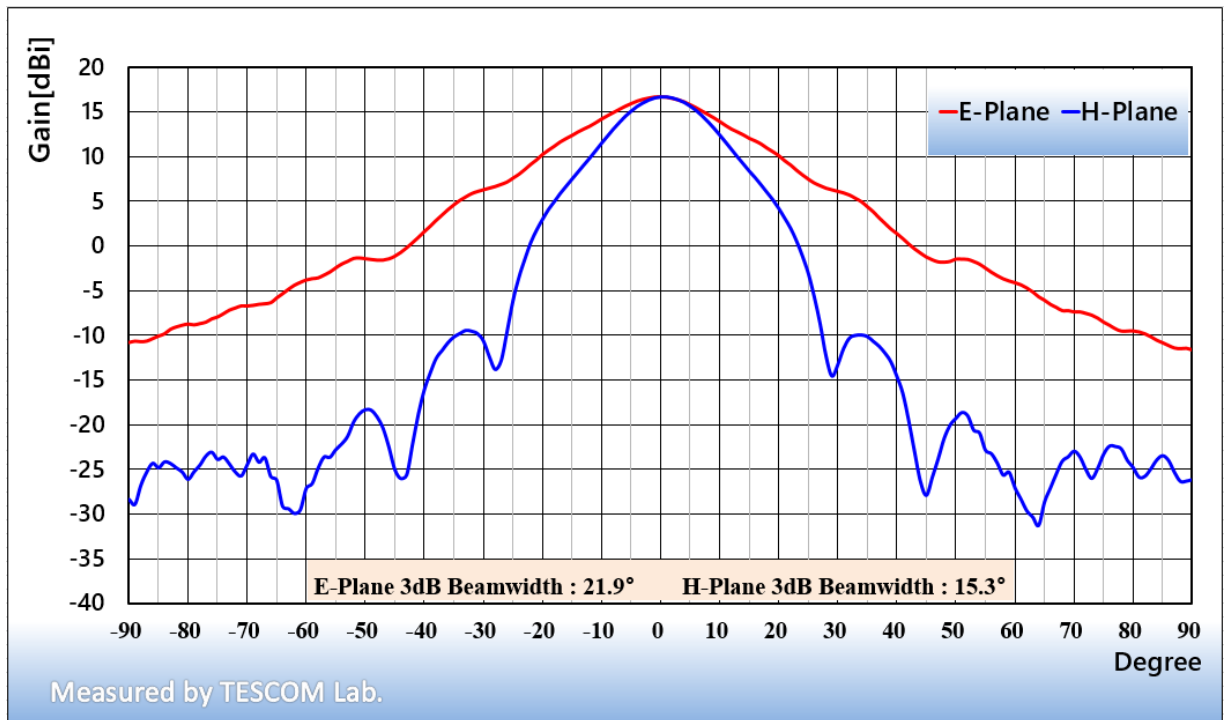
**<TC-93470B Port 1 @ 28 GHz>**



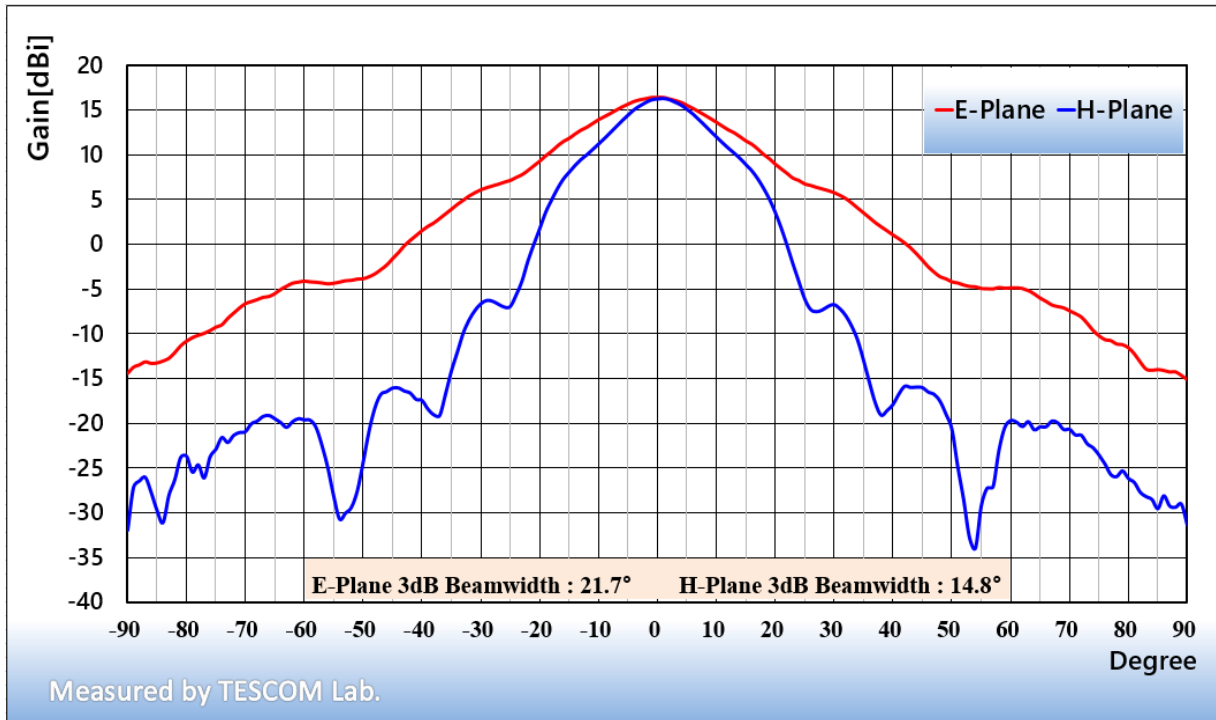
**<TC-93470B Port 1 @ 32 GHz>**



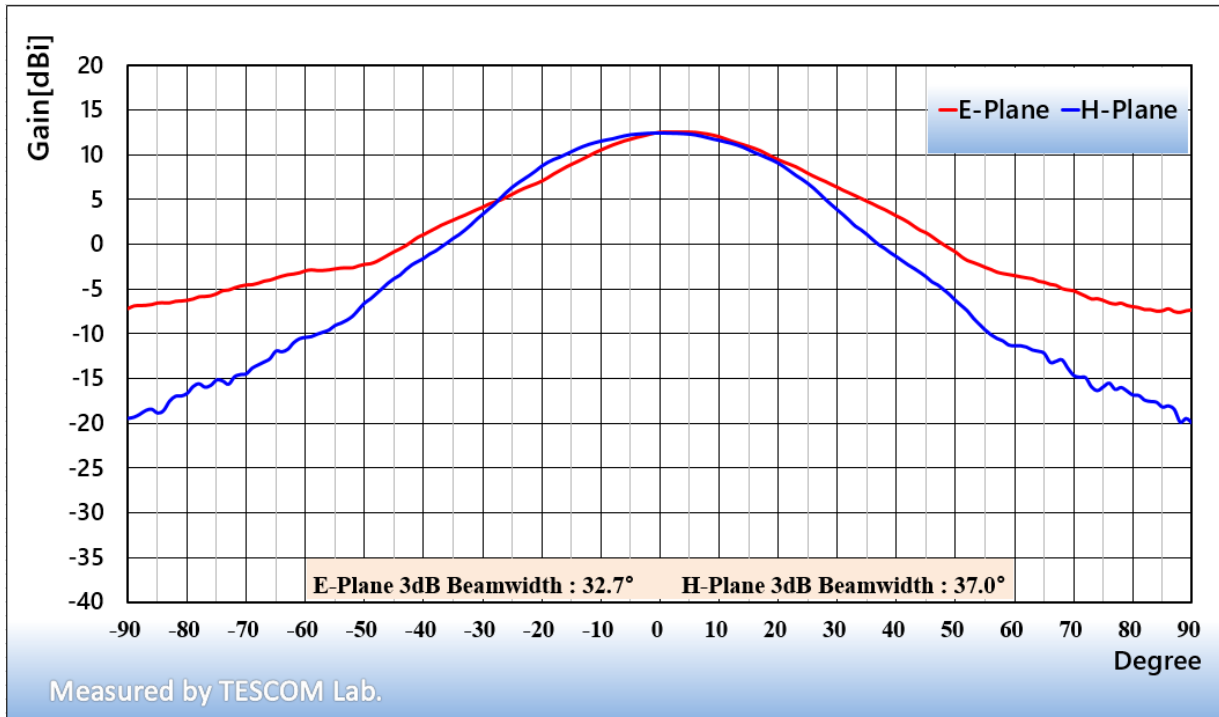
**<TC-93470B Port 1 @ 36 GHz>**



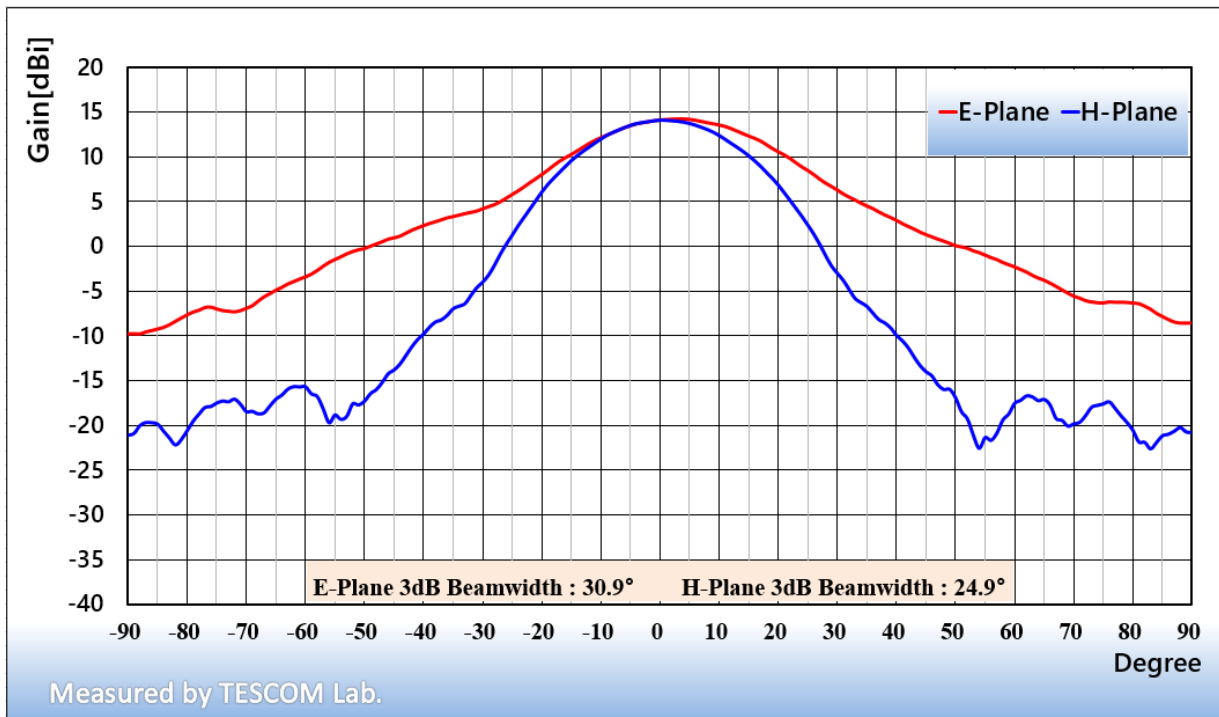
**<TC-93470B Port 1 @ 40 GHz>**



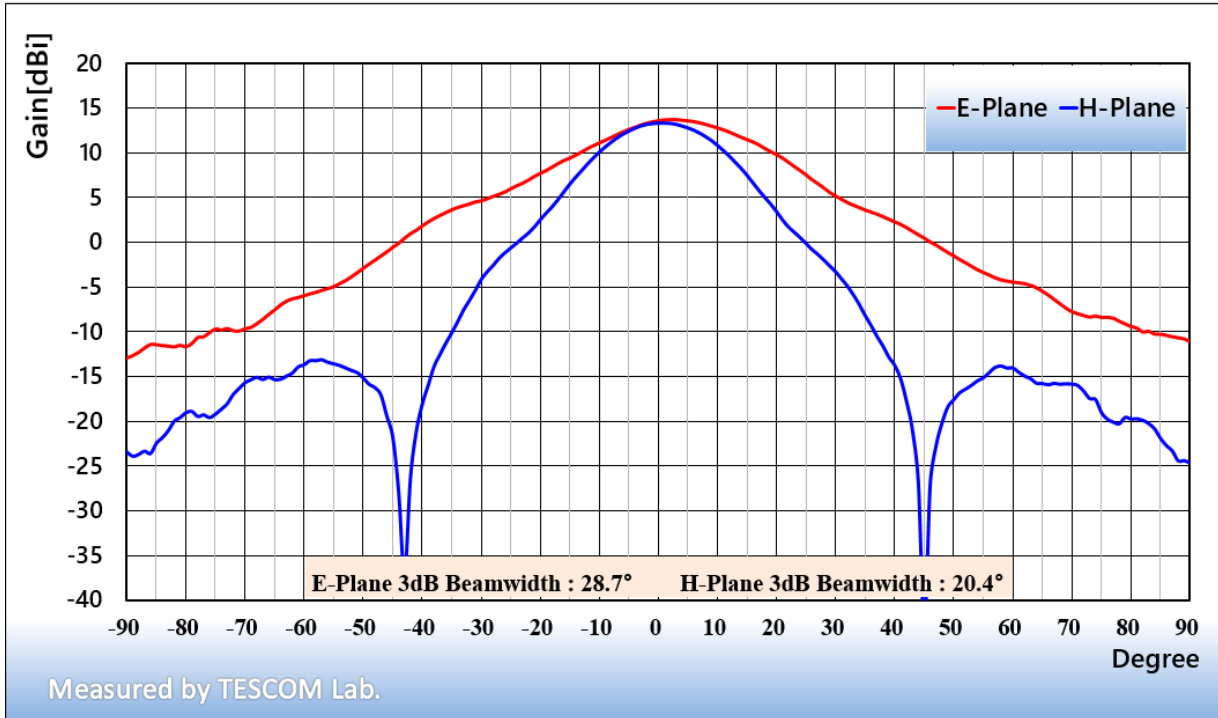
**<TC-93470B Port 1 @ 43.5 GHz>**



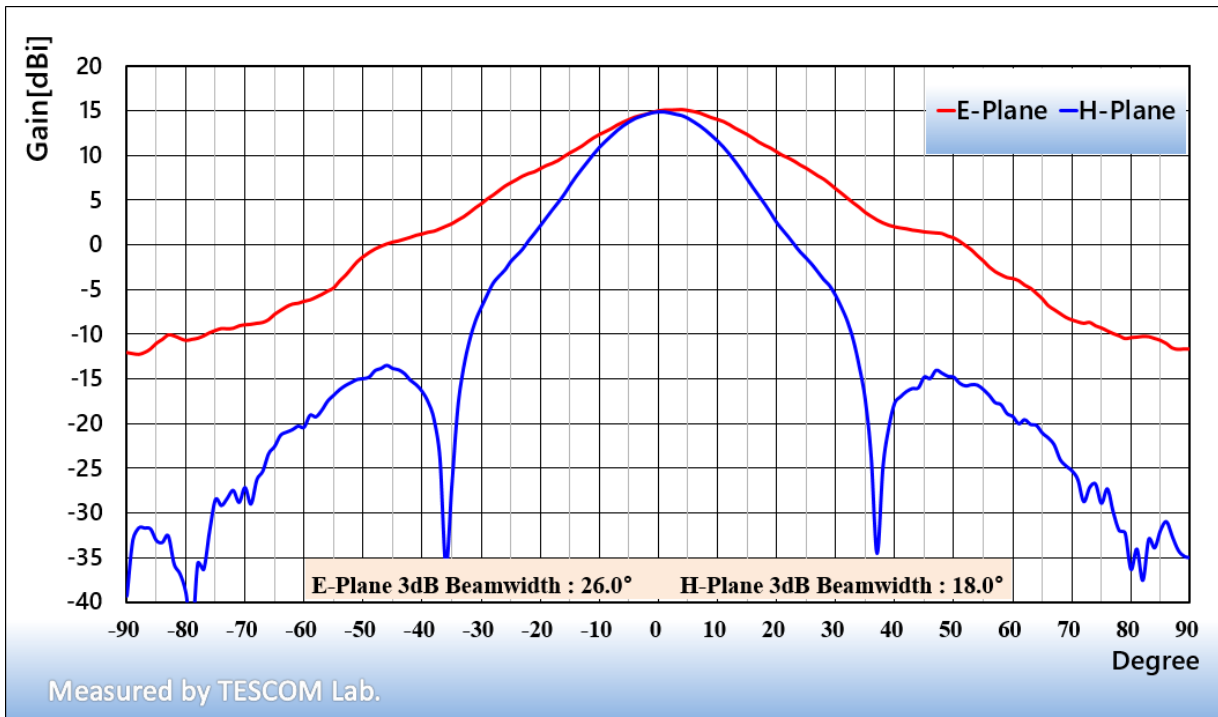
### <TC-93470B Port 2 @ 18 GHz>



### <TC-93470B Port 2 @ 24 GHz>

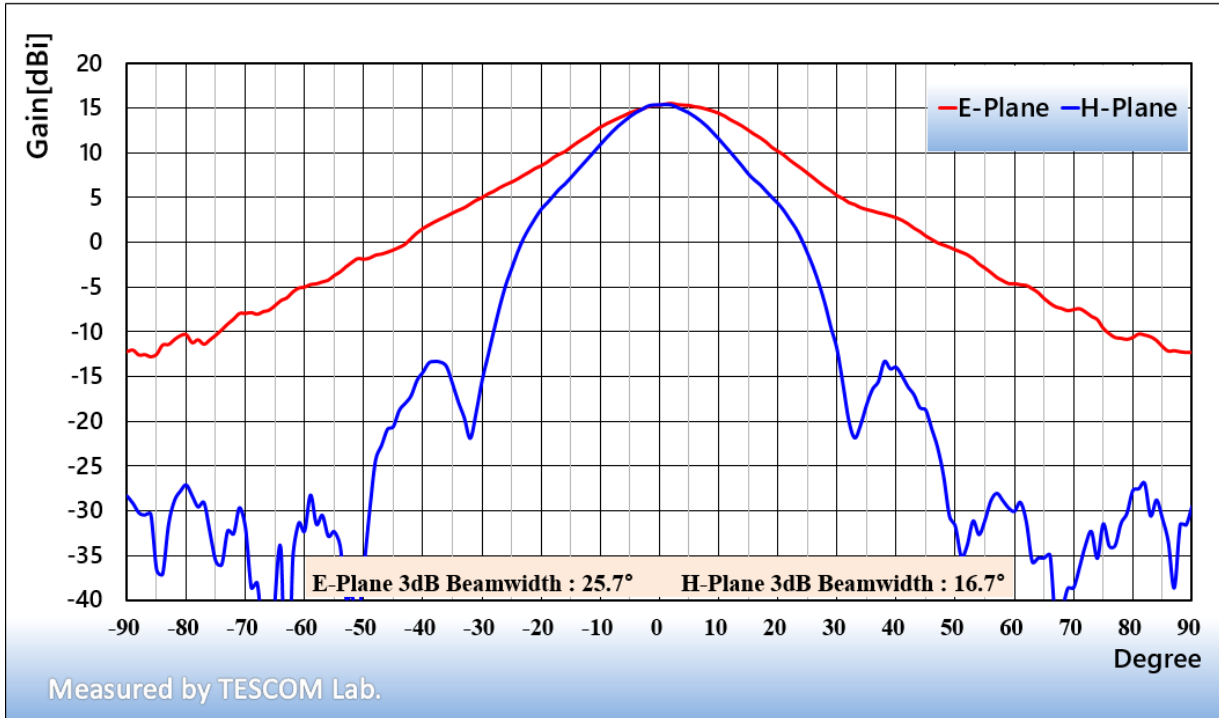


**<TC-93470B Port 2 @ 28 GHz>**

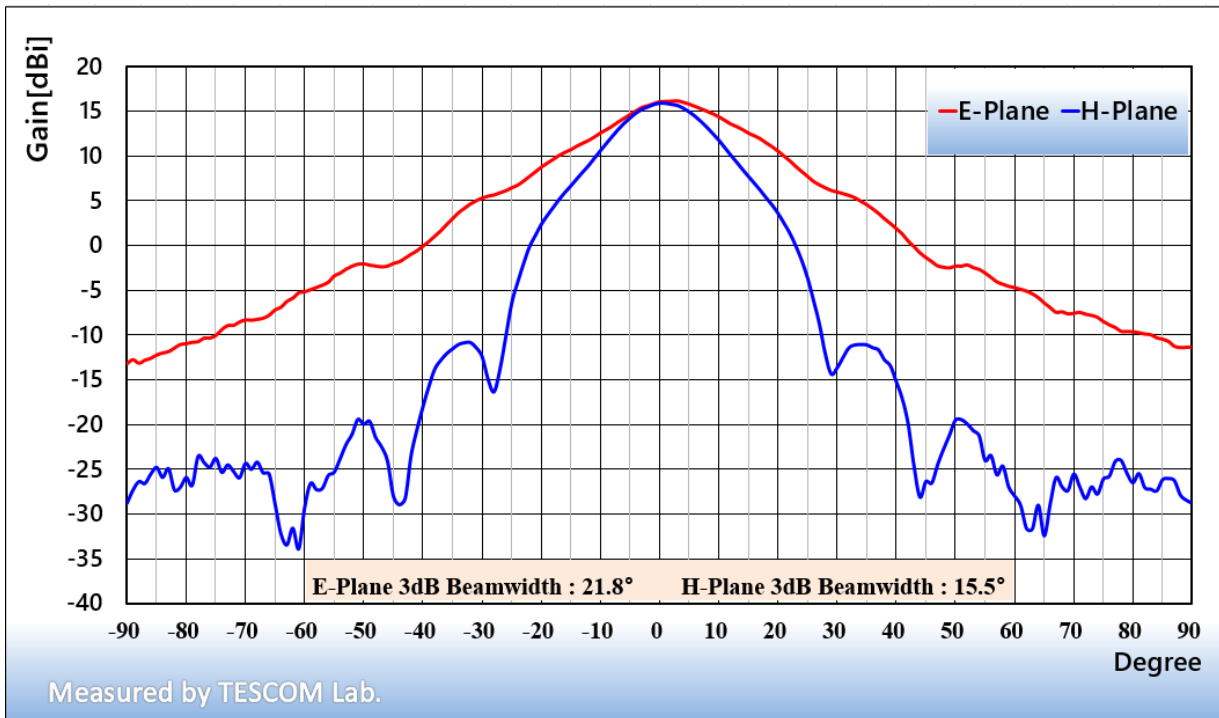


**<TC-93470B Port 2 @ 32 GHz>**

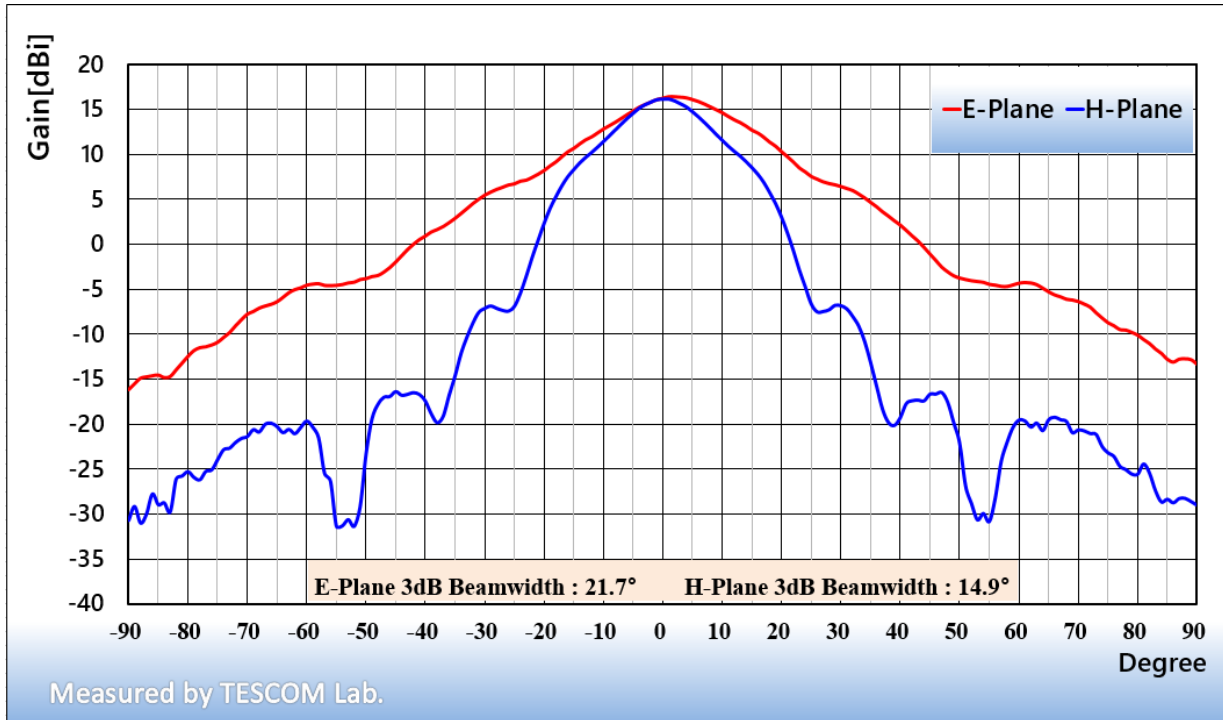




**<TC-93470B Port 2 @ 36 GHz>**



**<TC-93470B Port 2 @ 40 GHz>**



## <TC-93470B Port 2 @ 43.5 GHz>

### Ordering Information

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