

Dual Ridged Horn Antenna

N Female/0.7-18GHz/6dBi Min, Gain

Model:TL-07180DRHA12N

TL-07180DRHA12N is a dual ridged horn antenna, its operating frequency range from 0.7 GHz to 18 GHz. It provides a minimum gain of 6 dB. The input port configuration offers coax adapter structure with N female.

Features:

- Operating Frequency 0.7 to 18GHz
- Gain: 10dBi Typ
- Linear Polarization

Applications:

- Radar Systems
- Communication Systems

电气特性 Electrical Characteristics:

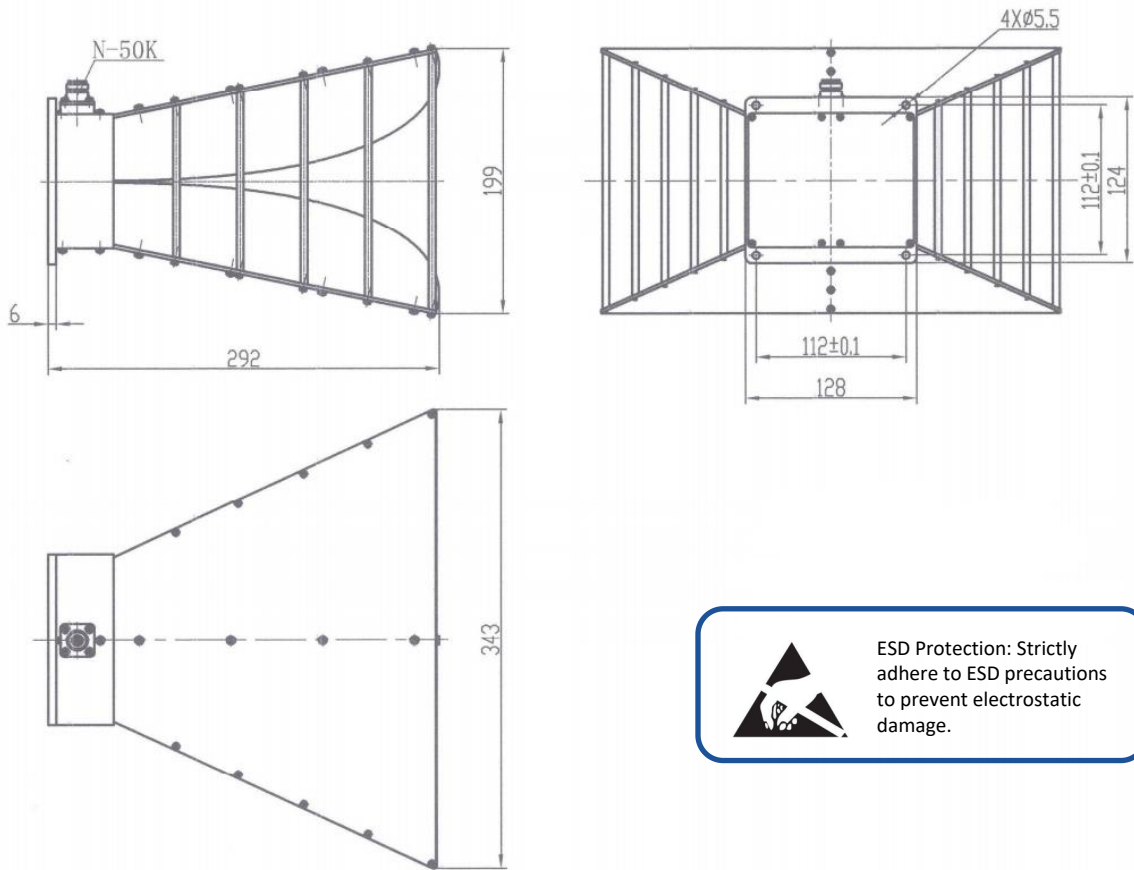
参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	0.7		18	GHz
增益 Gain	6			dBi
驻波 Input VSWR			3	:1

机械特性 Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temperature	-40~+85	°C
材质 Material	Aluminium	
表面处理 Finish	True color conductive oxidation,spray paint	
接口 Connectors	N Female	
尺寸 Size	343*199*292	mm

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



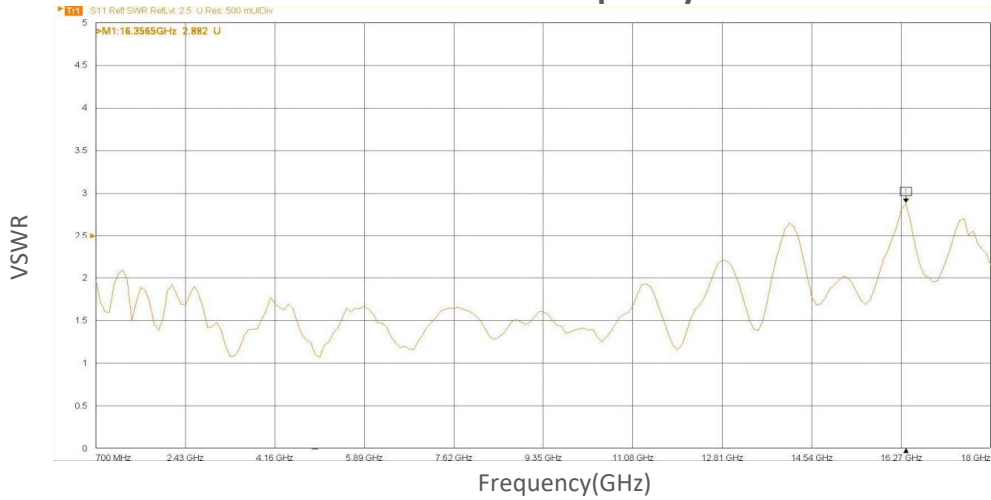
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

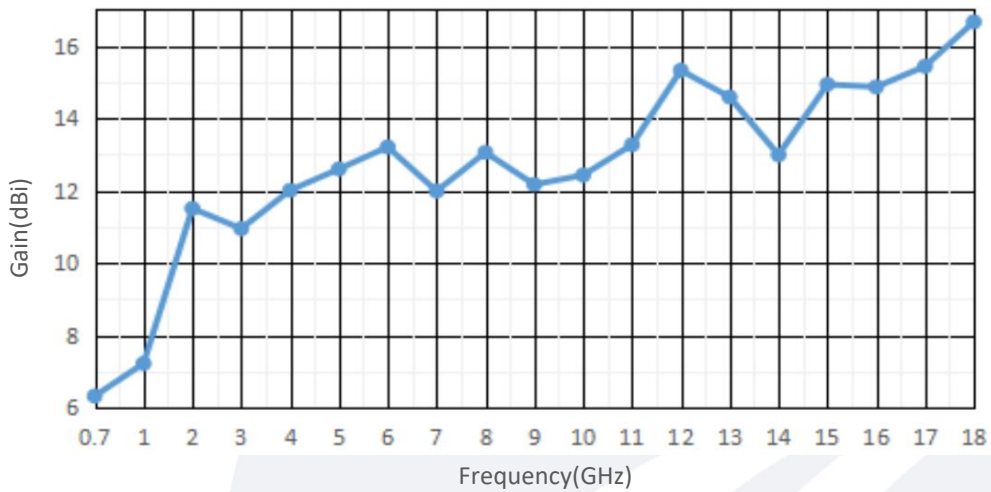
标准型号 Base Number	描述 Description	版本号 Revision
TL-07180DRHA12N	Dual Ridged Horn Antenna, 0.7-18GHz, Gain: 10dBi Typ, N Female	Rev.1.0

典型曲线 Typical Performance Data:

VSWR vs Frequency

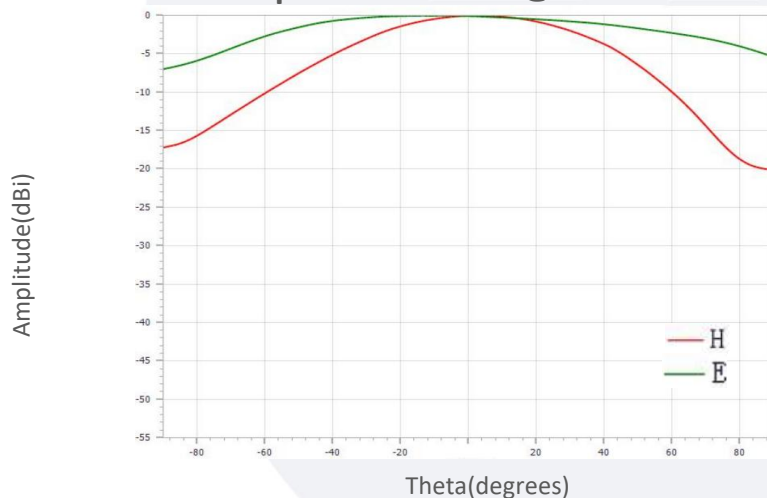


Gain vs Frequency



0.7GHz:

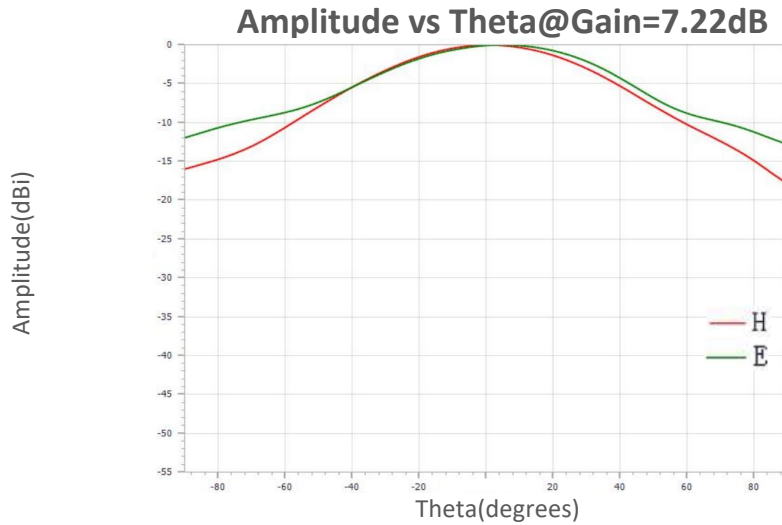
Amplitude vs Theta@Gain=6.32dB



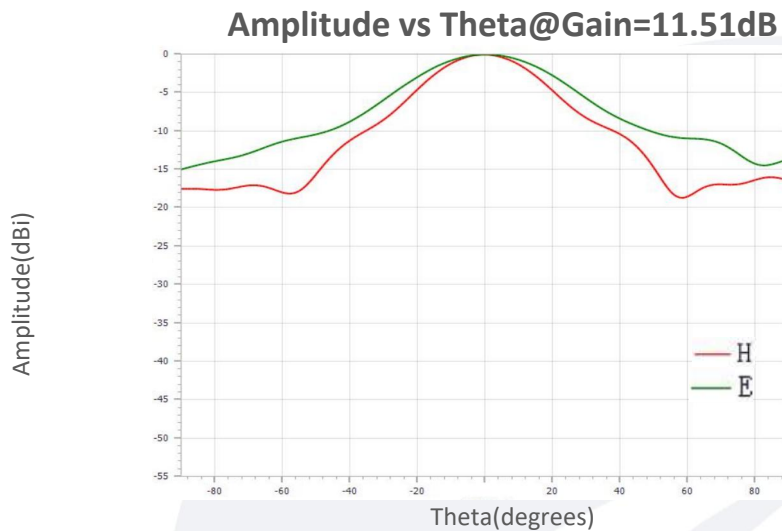
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

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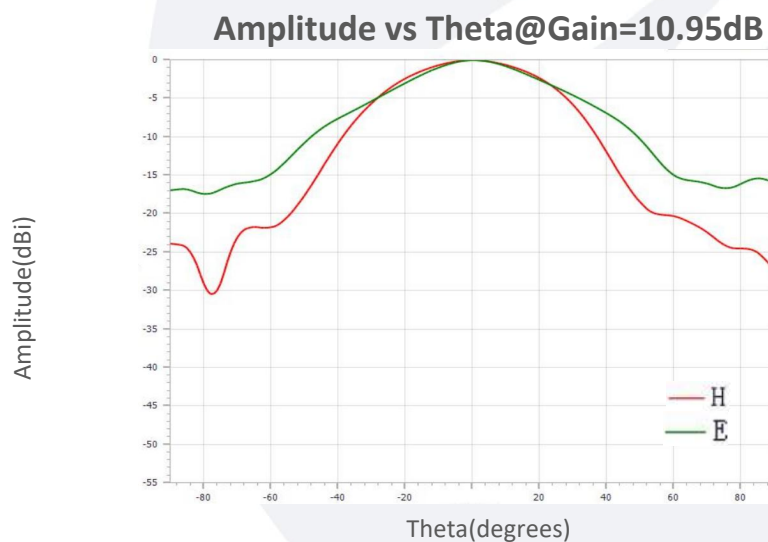
1GHz:



2GHz:



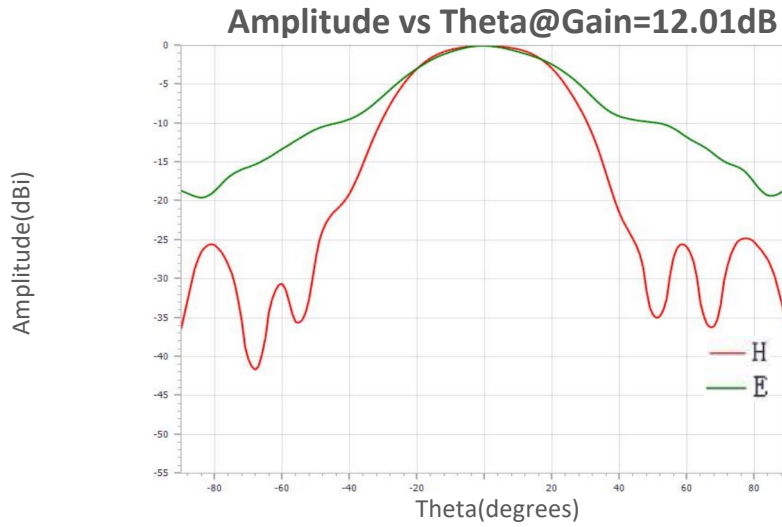
3GHz:



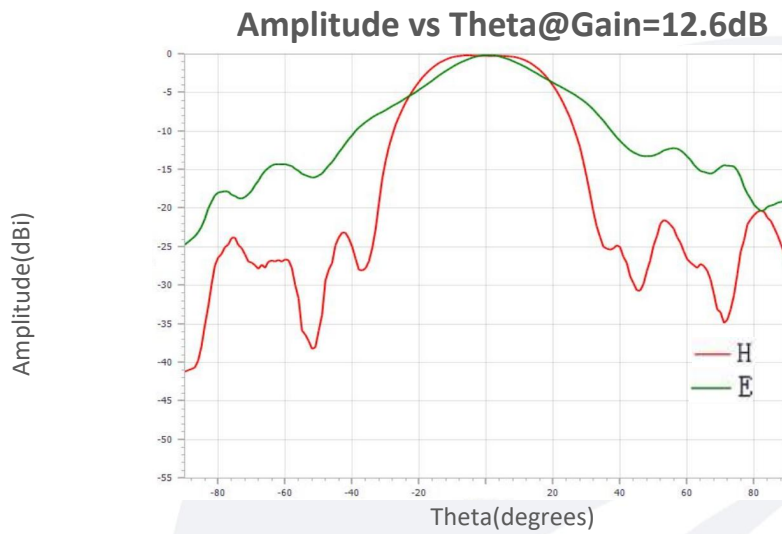
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典型曲线 Typical Performance Data:

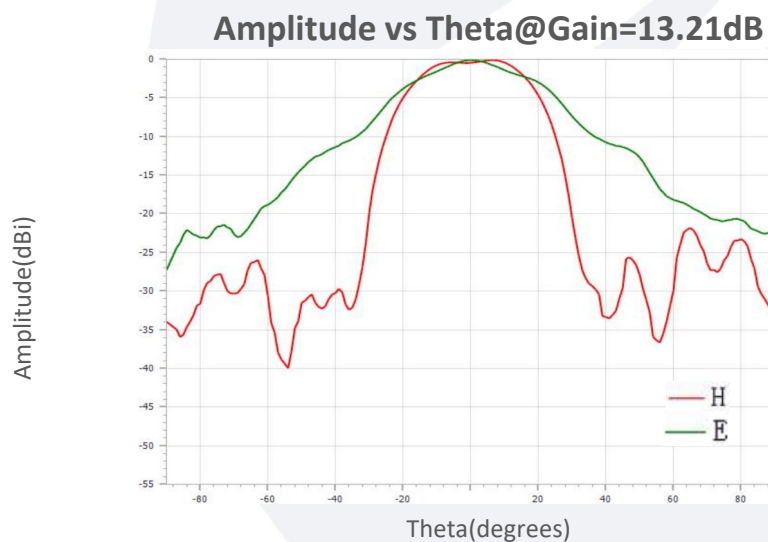
4GHz:



5GHz:



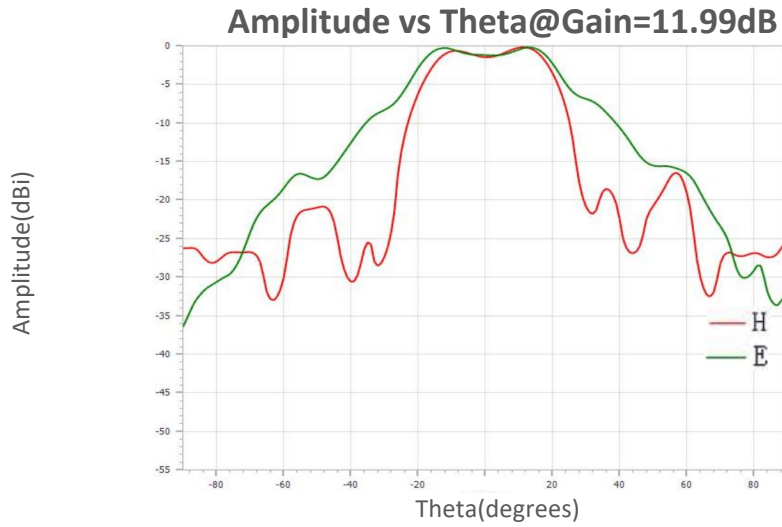
6GHz:



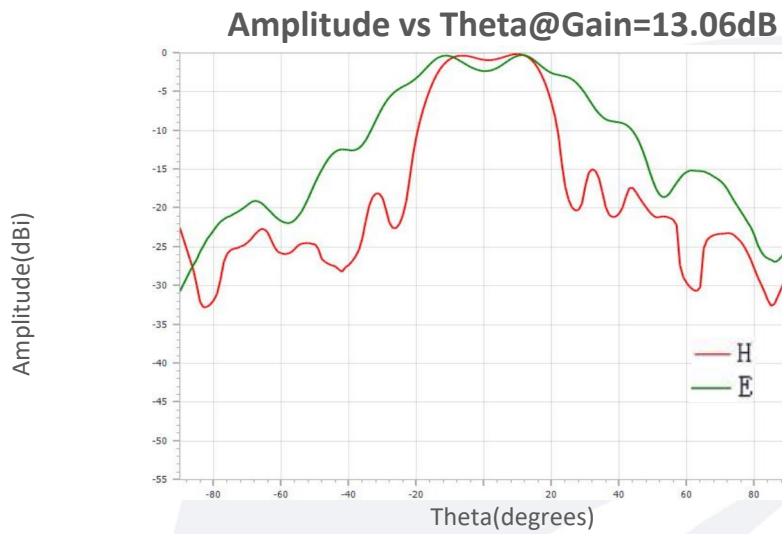
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典型曲线 Typical Performance Data:

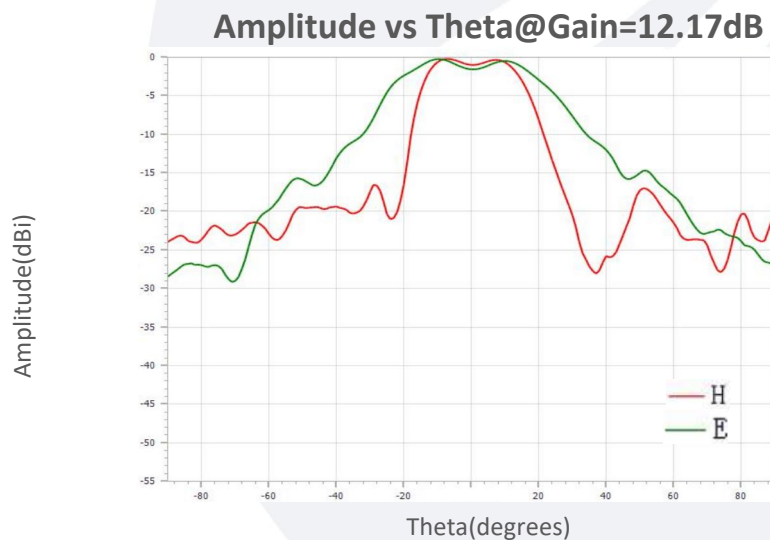
7GHz:



8GHz:



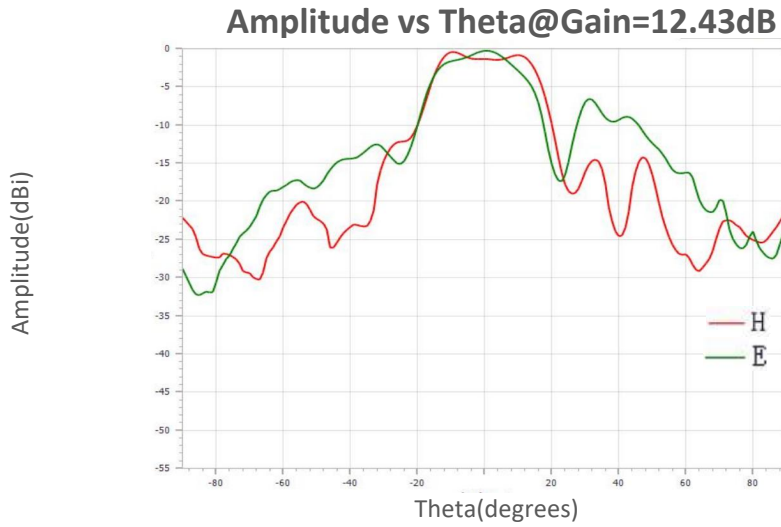
9GHz:



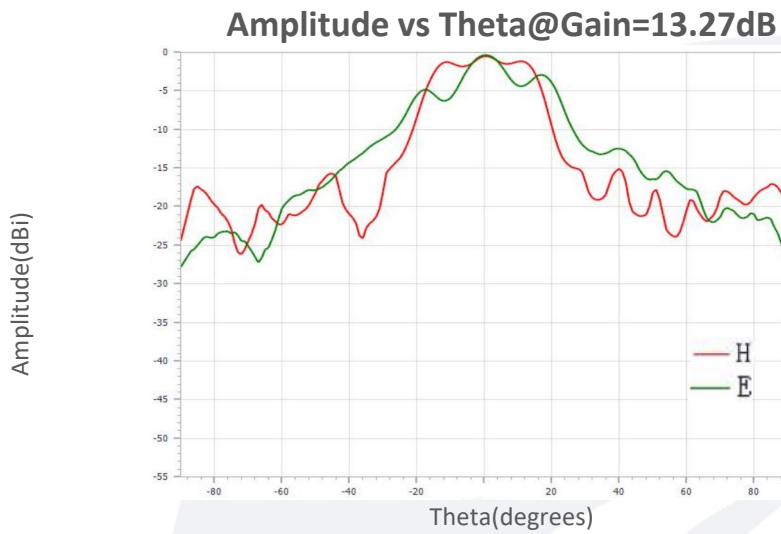
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典型曲线 Typical Performance Data:

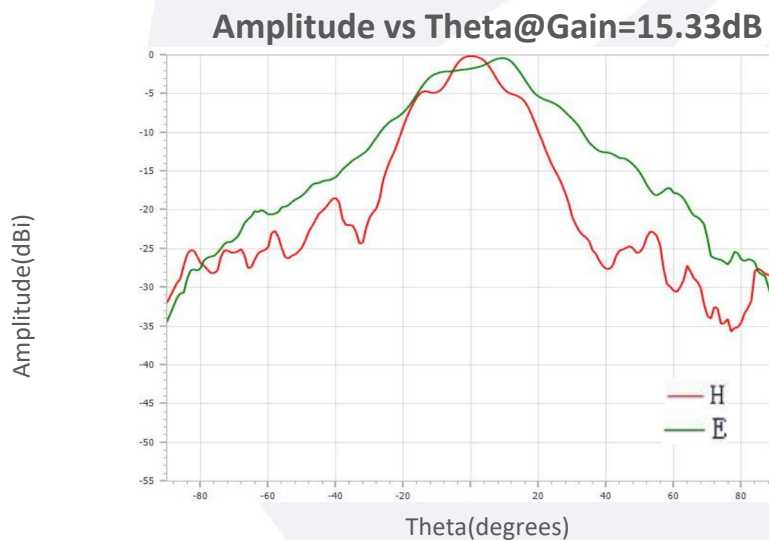
10GHz:



11GHz:



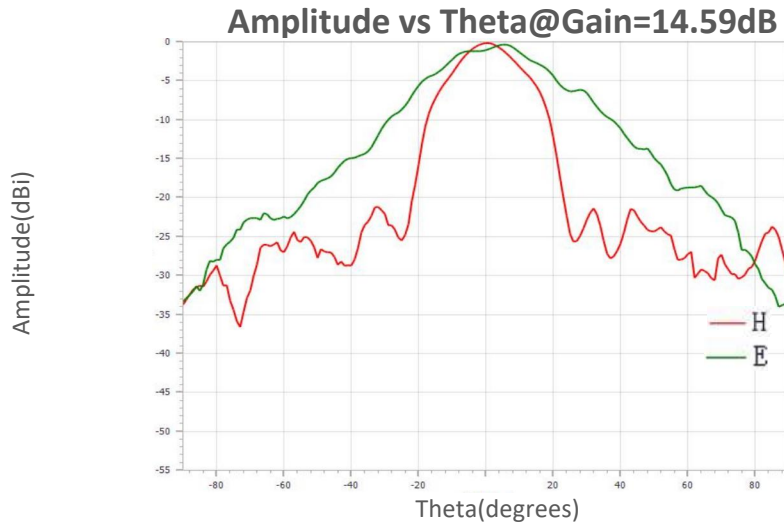
12GHz:



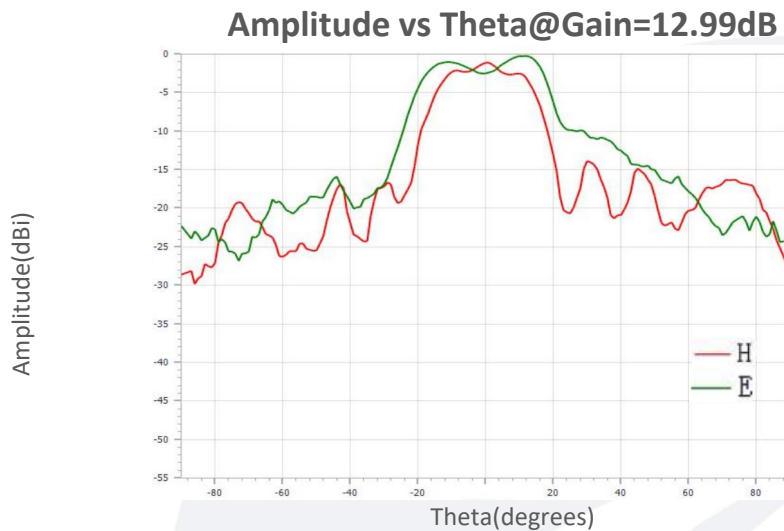
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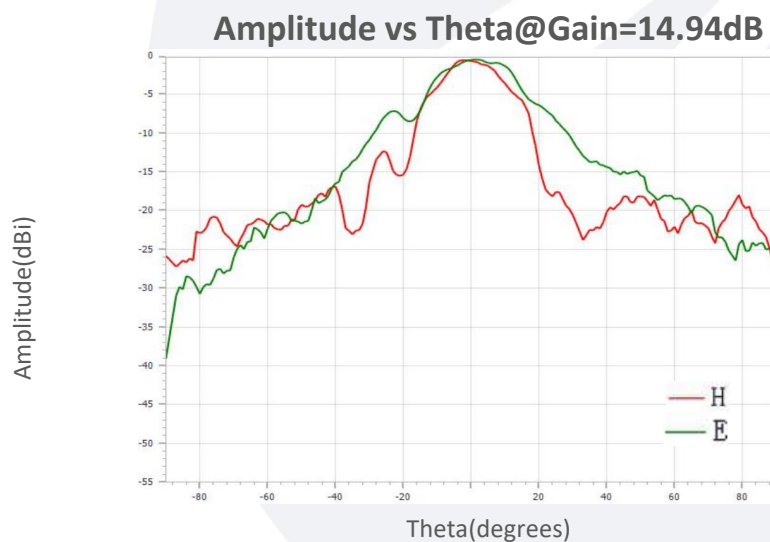
13GHz:



14GHz:



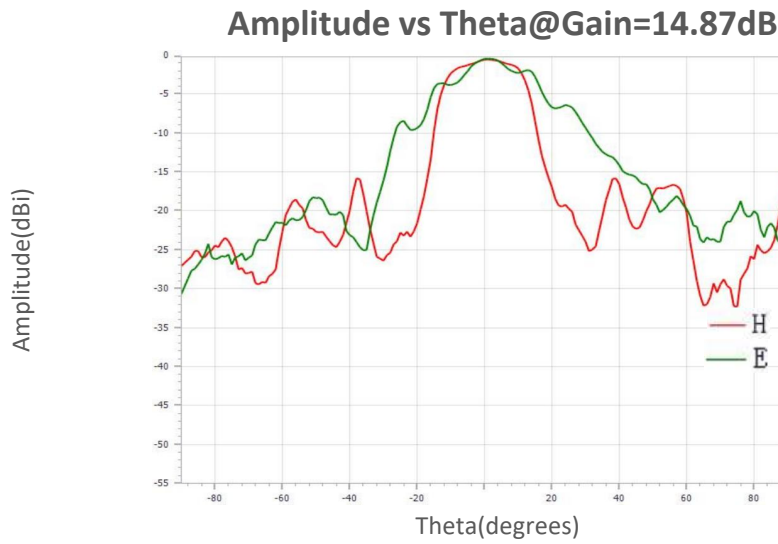
15GHz:



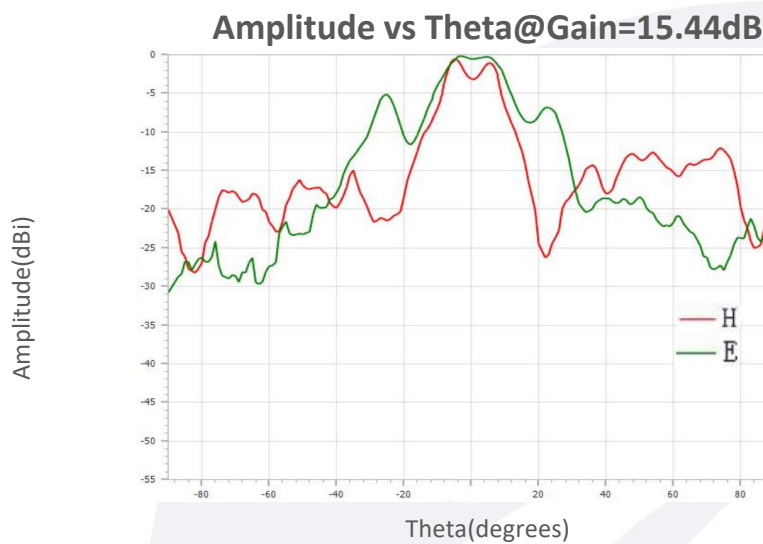
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典型曲线 Typical Performance Data:

16GHz:



17GHz:



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