

Dual Ridged Horn Antenna

N Female/1-20GHz/7~16dBi Min, Gain

Model:TL-10200DR10N

Features:

- Operating Frequency 1 to 20 GHz
- Gain: 7~16dBi Min
- Linear Polarization

Applications:

- Radar Systems
- Communication Systems

电气特性 Electrical Characteristics:

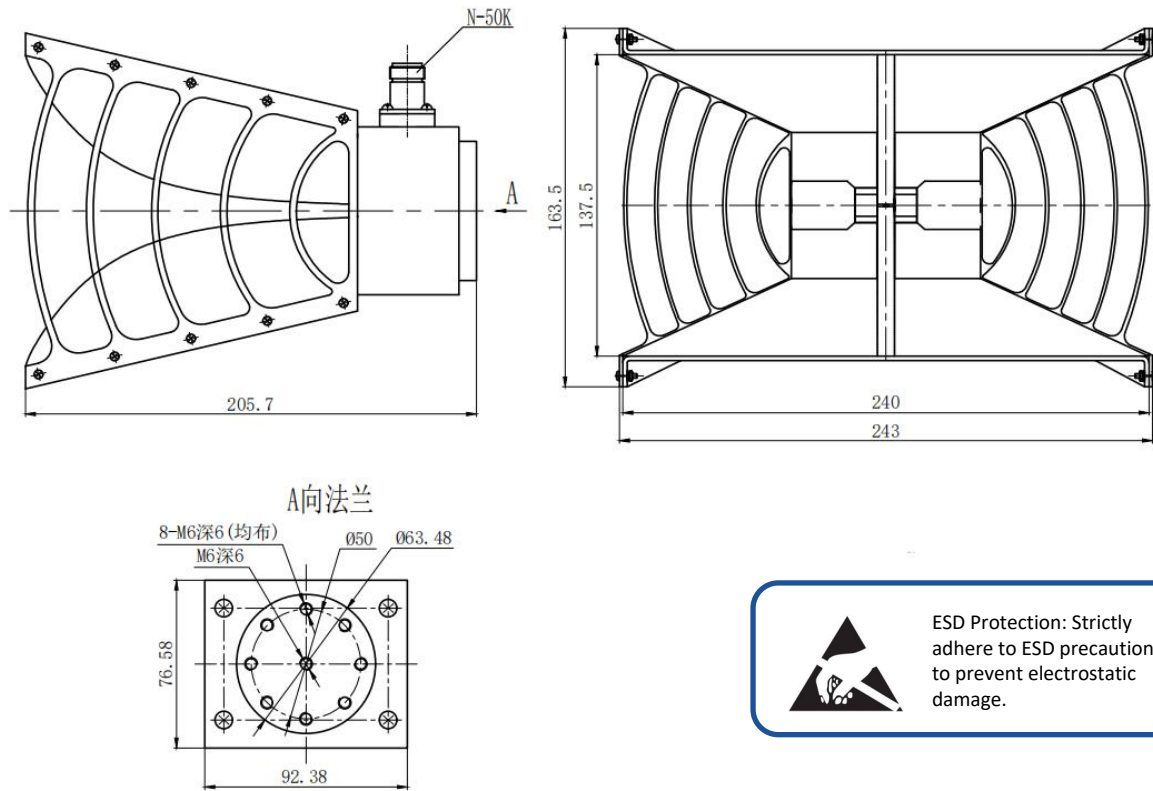

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	1		20	GHz
增益 Gain	7		16	dBi
驻波 Input VSWR			2.5	:1

机械特性 Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
材质 Material	Aluminium	
表面处理 Finish	Conductive oxidation	
接口 Connectors	N Female	
尺寸 Size	243*163.5*205.7	mm

外形图 Outline Drawing:

Unit:mm

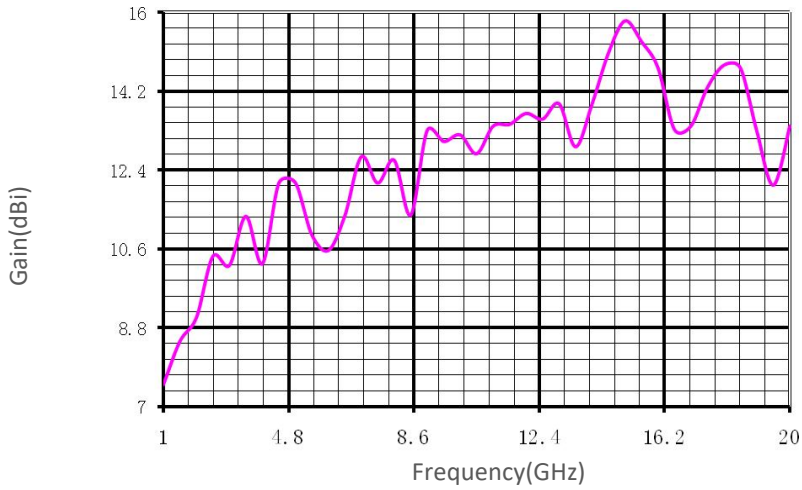
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TL-10200DR10N	Dual Ridged Horn Antenna, 1-20GHz, Gain: 7~16dBi, N Female	Rev.1.0

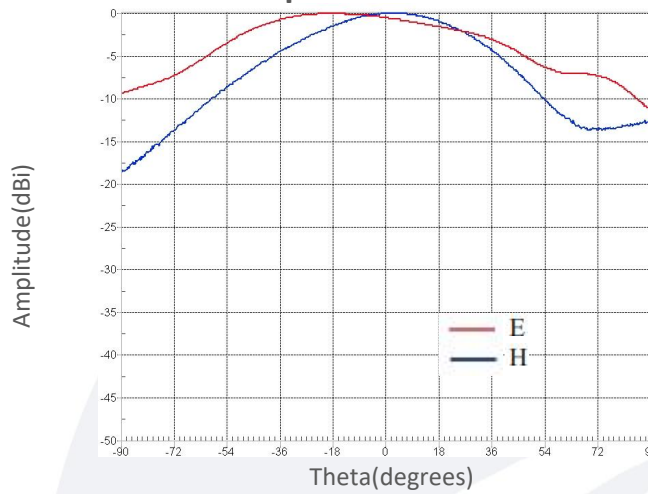
典型曲线 Typical Performance Data:

Gain vs Frequency



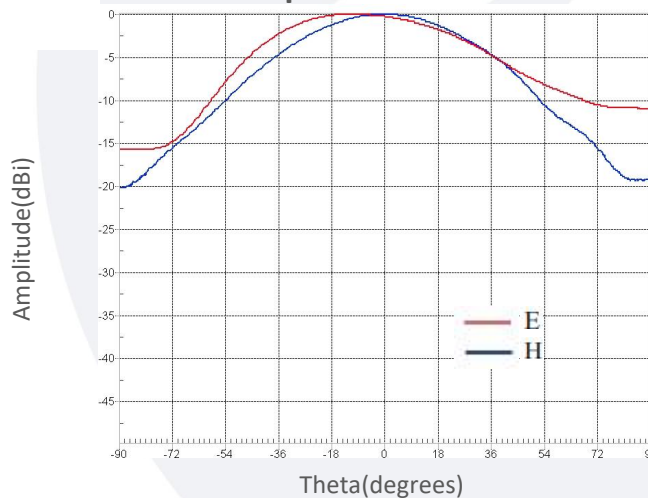
1GHz:

Amplitude vs Theta



1.5GHz:

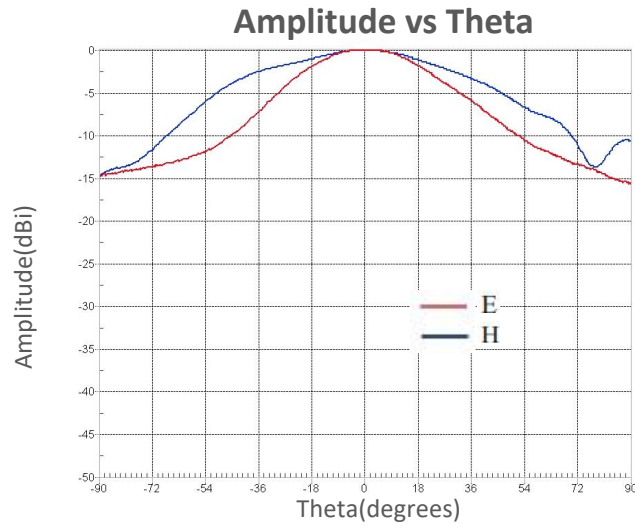
Amplitude vs Theta



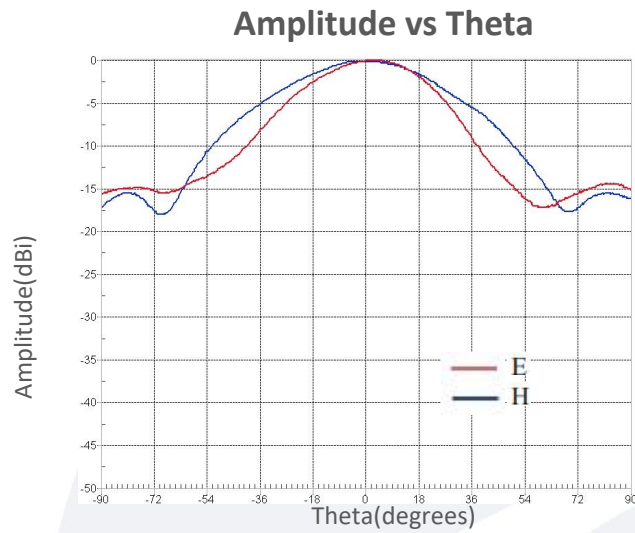
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

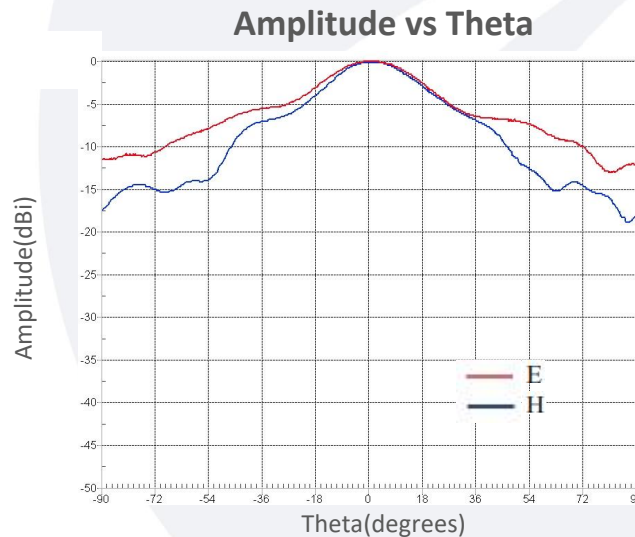
2GHz:



2.5GHz:

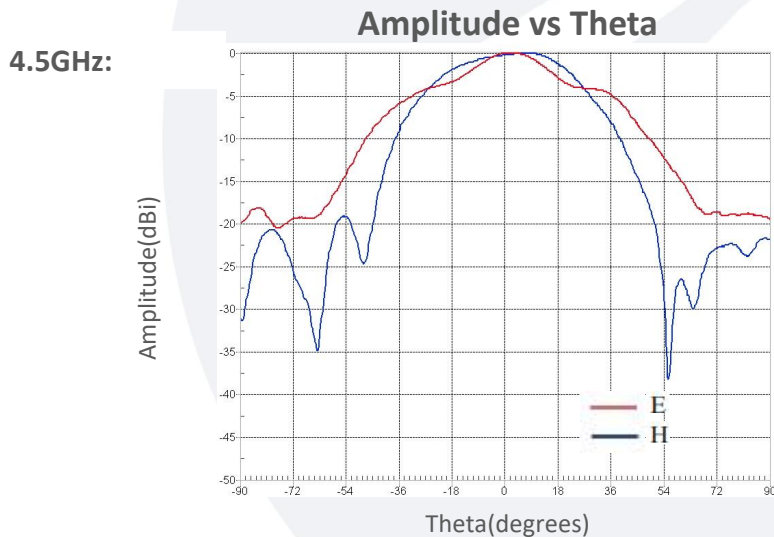
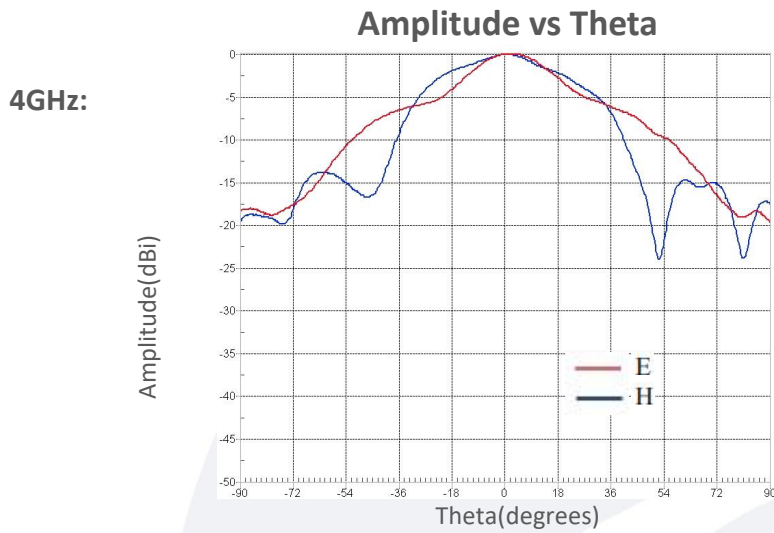
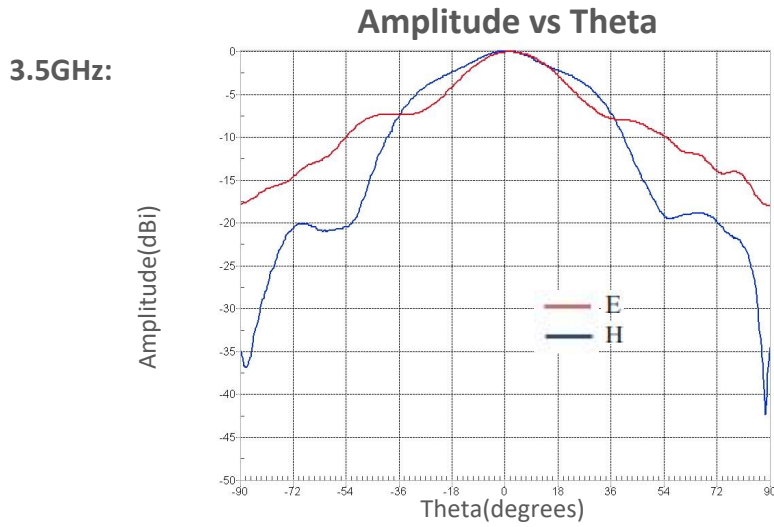


3GHz:



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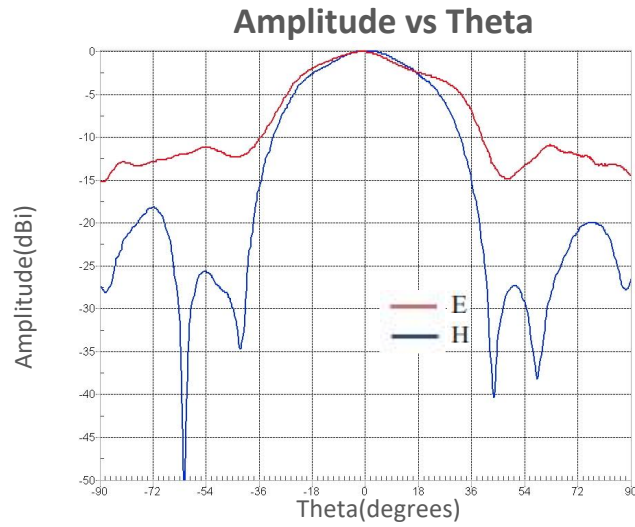
典型曲线 Typical Performance Data:



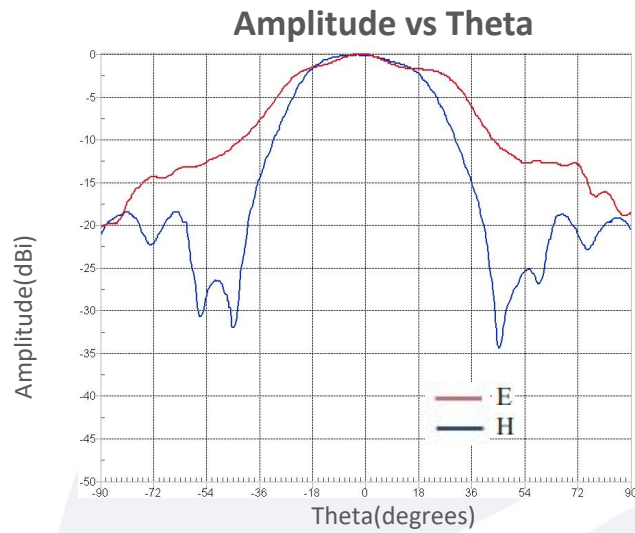
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

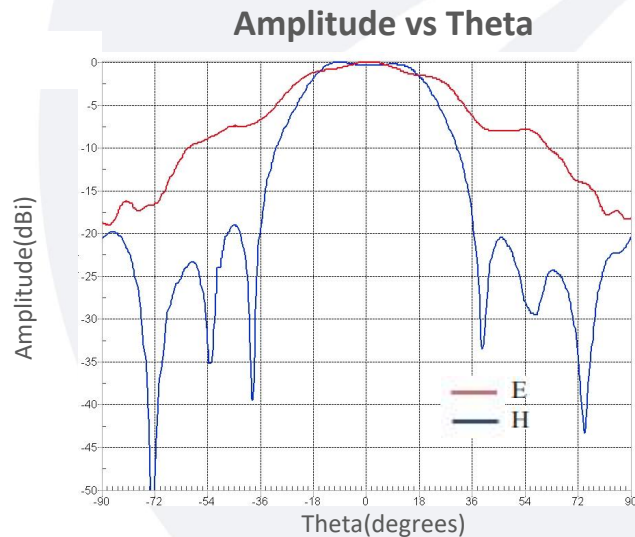
5GHz:



5.5GHz:



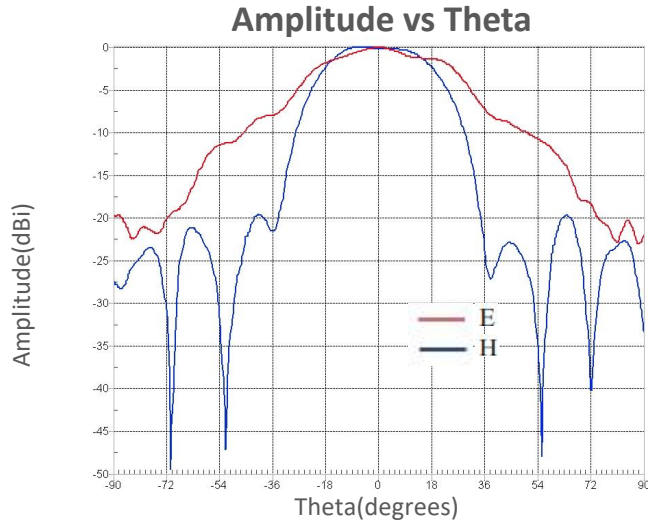
6GHz:



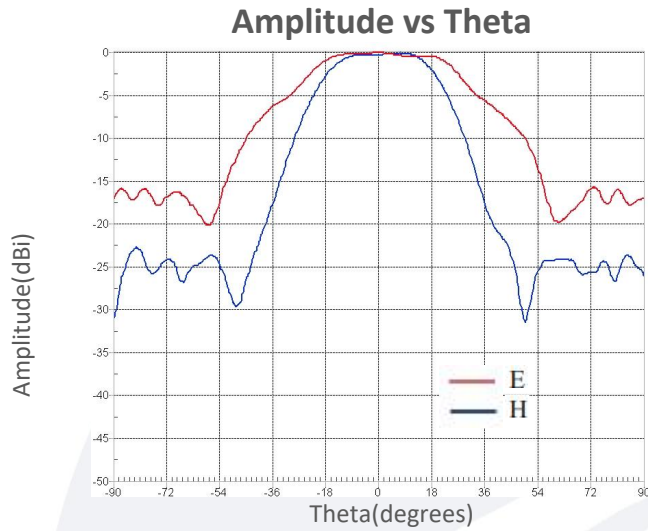
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

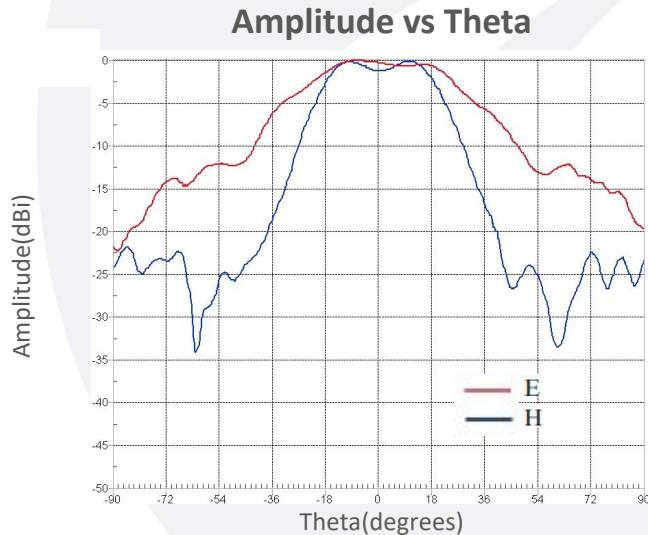
6.5GHz:



7GHz:



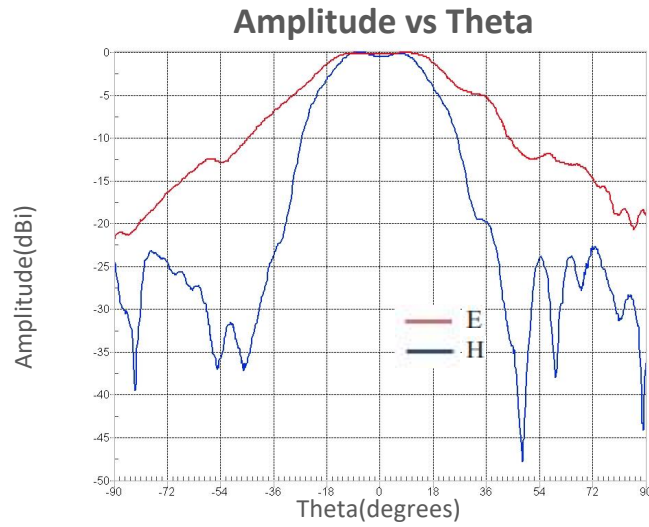
7.5GHz:



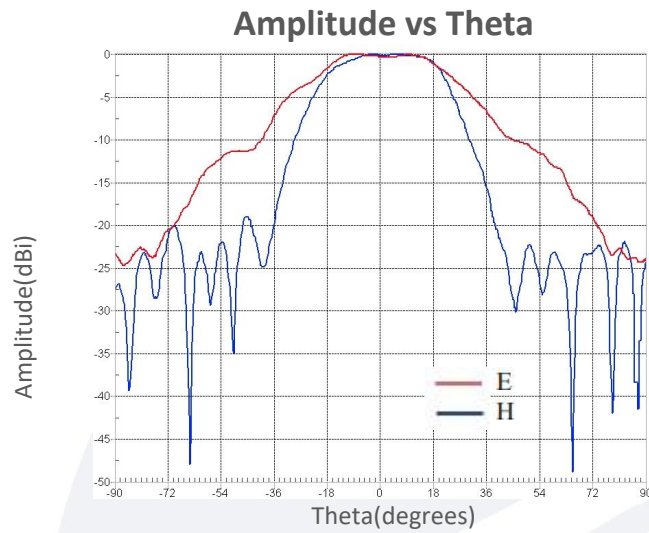
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典型曲线 Typical Performance Data:

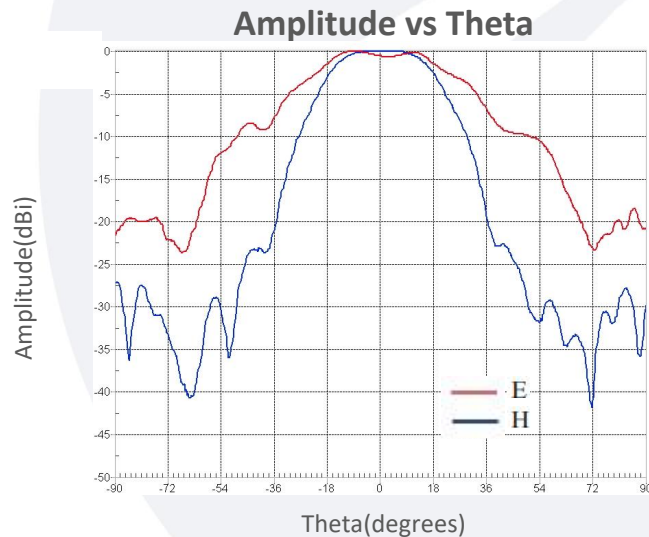
8GHz:



8.5GHz:

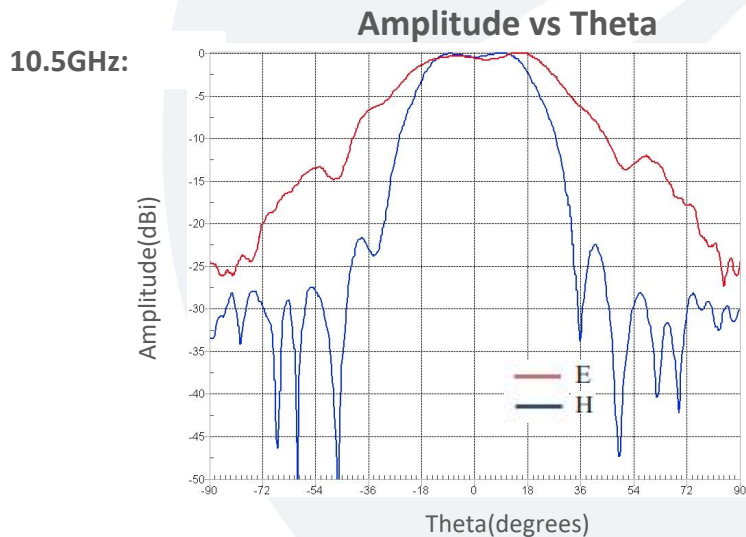
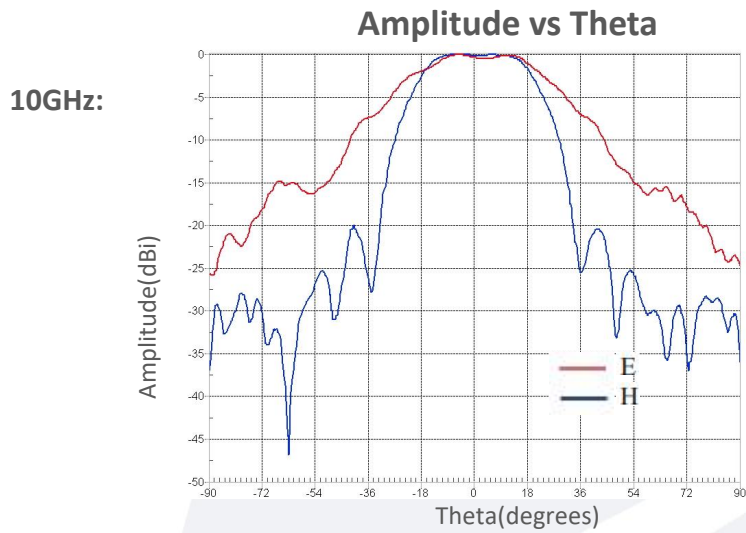
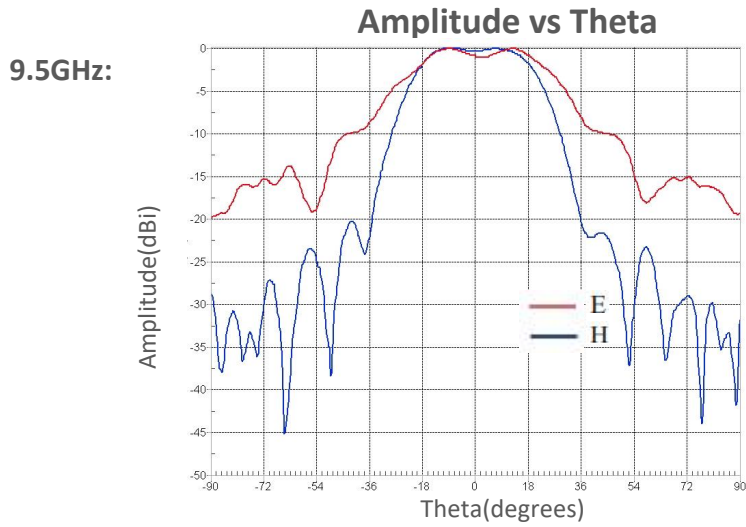


9GHz:



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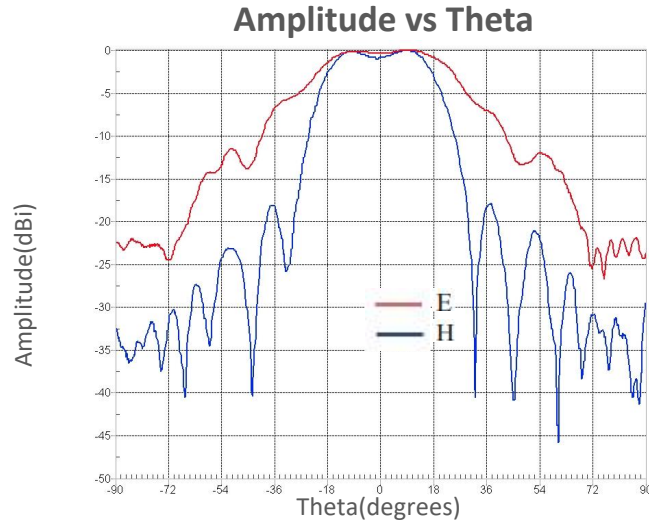
典型曲线 Typical Performance Data:



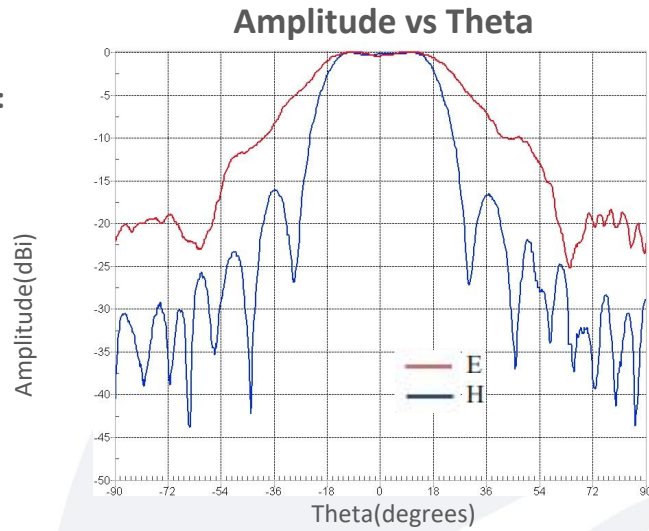
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

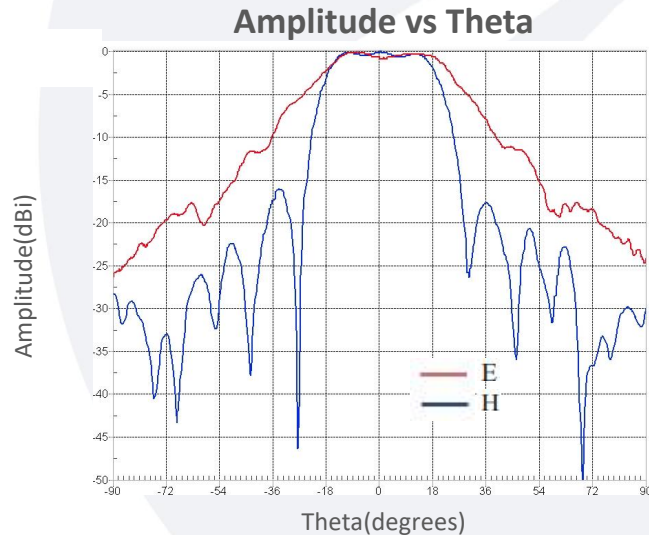
11GHz:



11.5GHz:



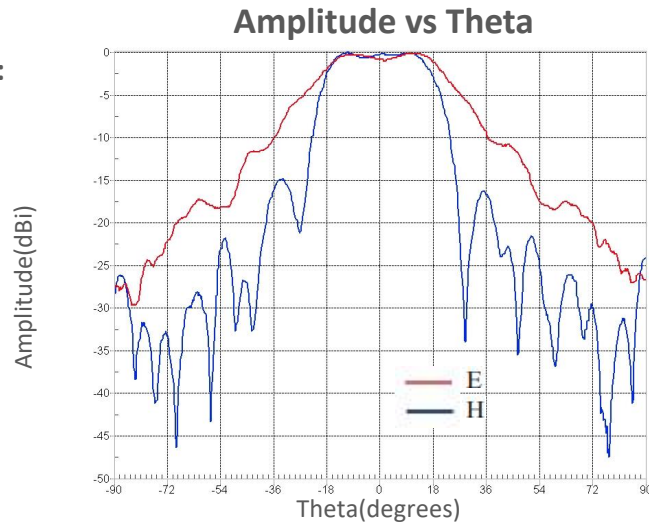
12GHz:



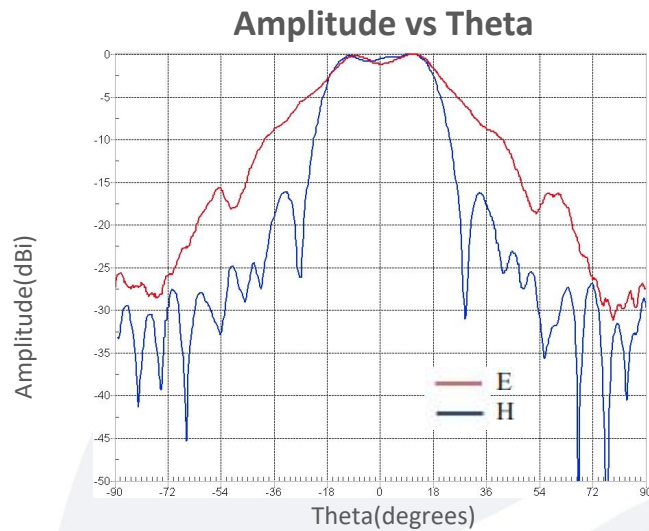
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

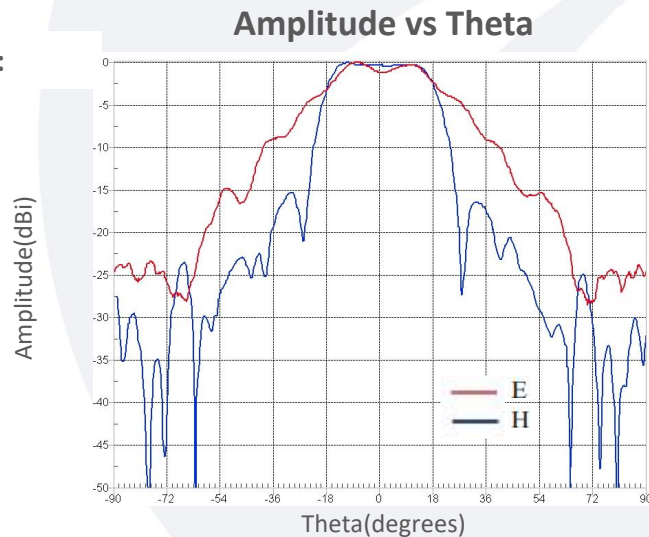
12.5GHz:



13GHz:



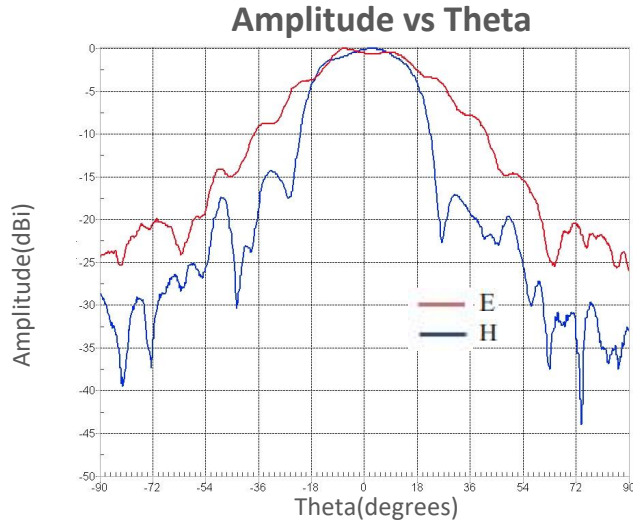
13.5GHz:



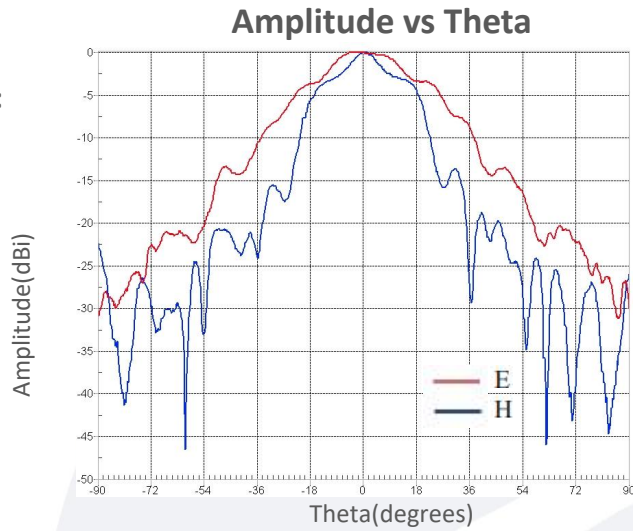
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典型曲线 Typical Performance Data:

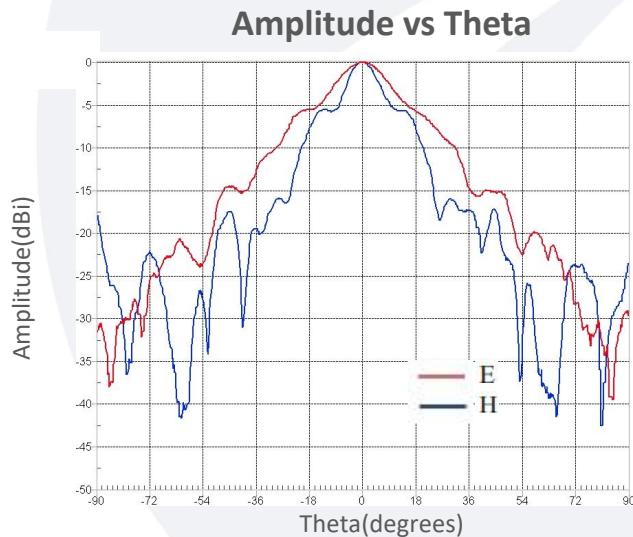
14GHz:



14.5GHz:



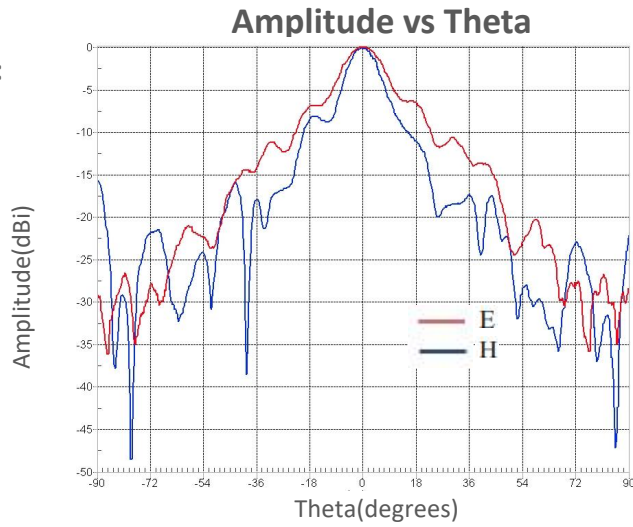
15GHz:



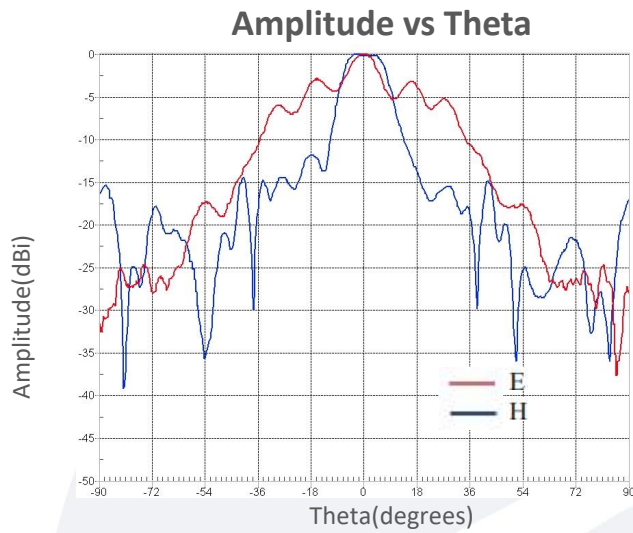
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

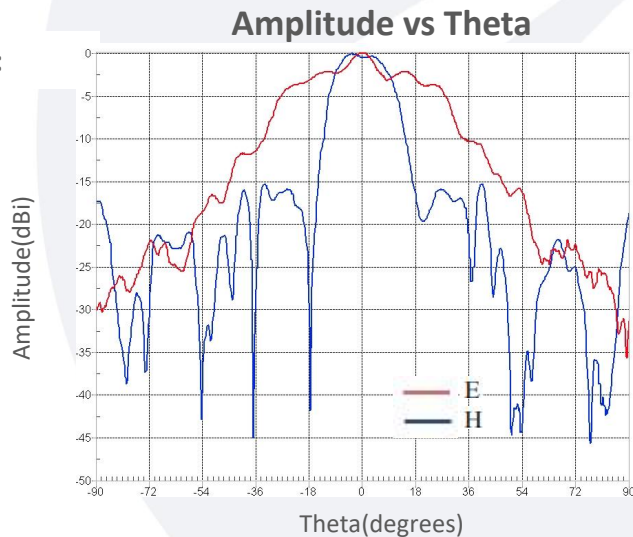
15.5GHz:



16GHz:



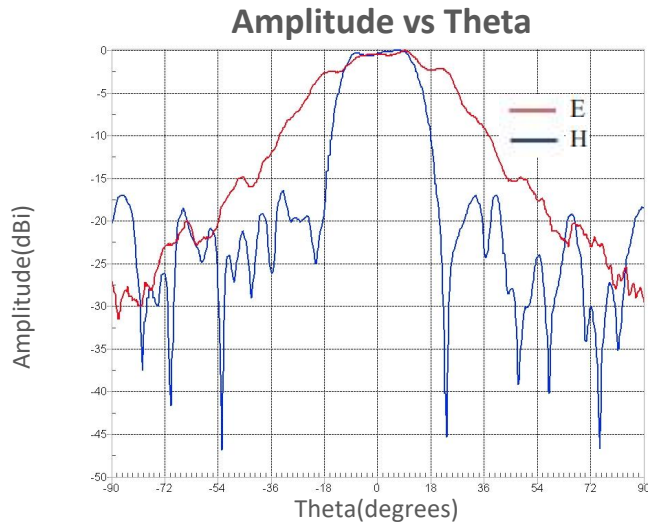
16.5GHz:



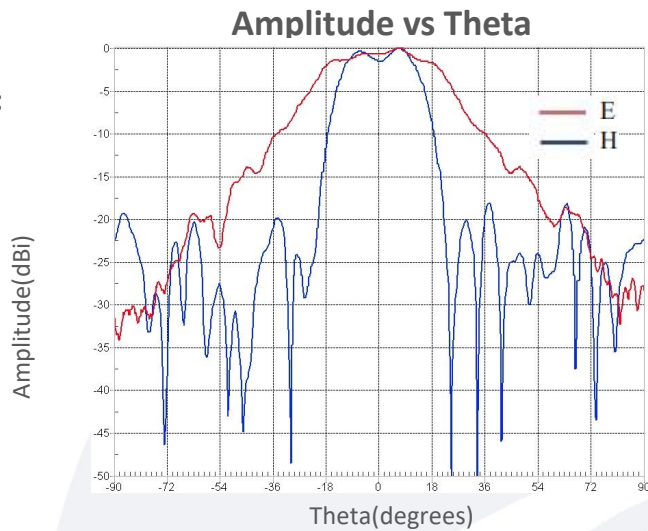
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

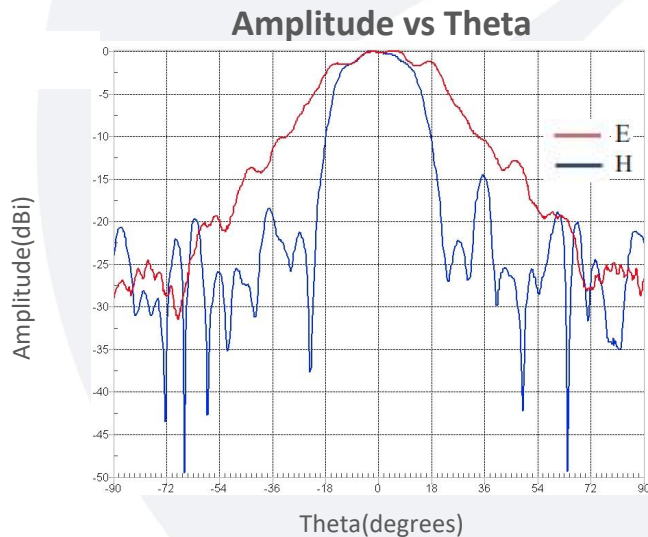
17GHz:



17.5GHz:



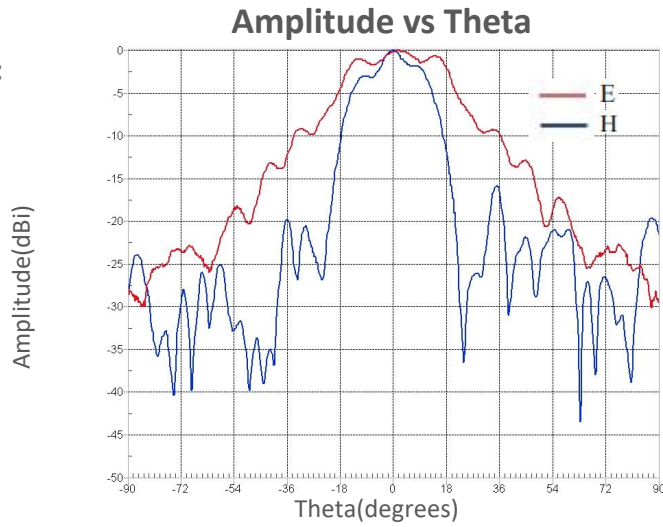
18GHz:



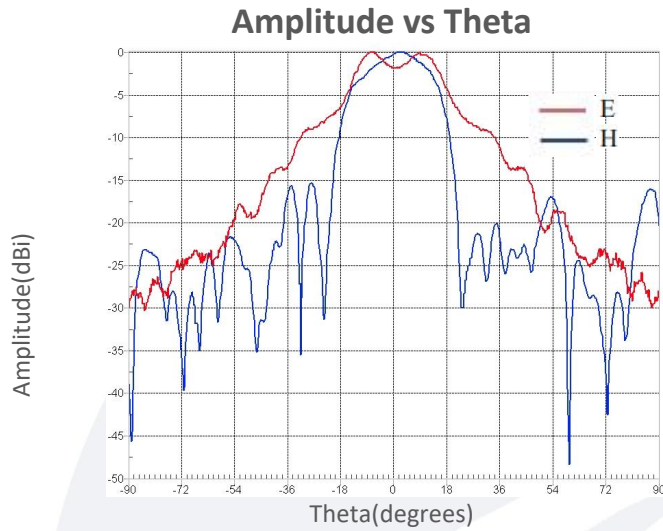
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典型曲线 Typical Performance Data:

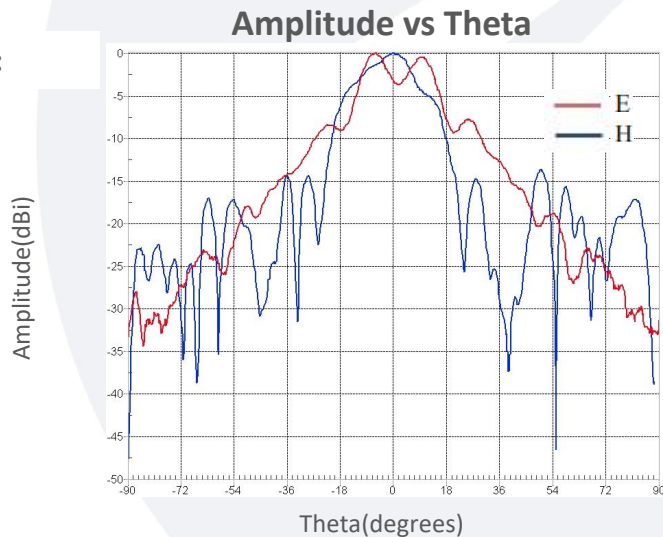
18.5GHz:



19GHz:



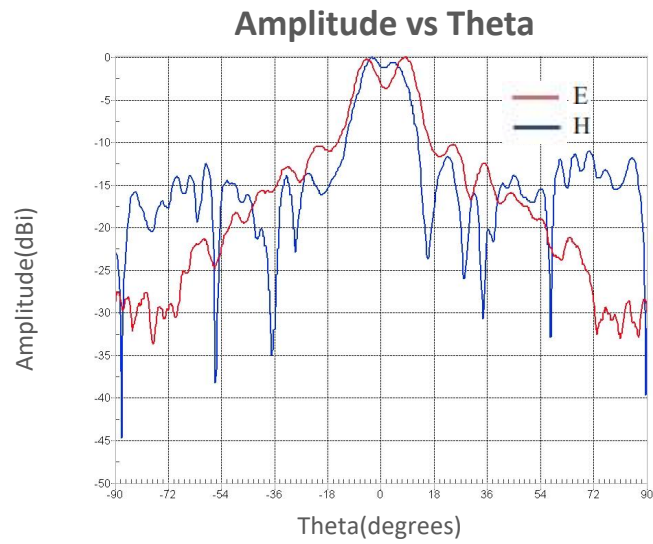
19.5GHz:



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典型曲线 Typical Performance Data:

20GHz:



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