

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

Electrical Characteristics:

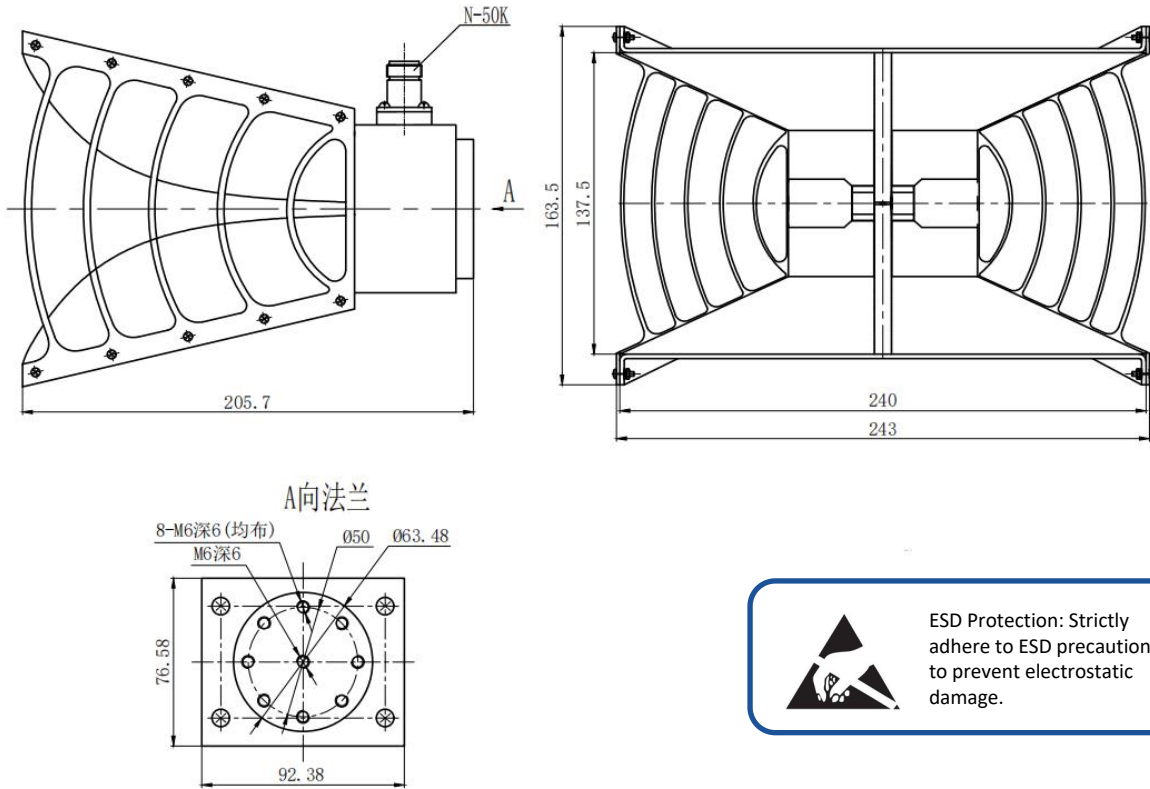

Parameter	Min	Typ	Max	Units
Frequency Range	1		20	GHz
Gain	7		16	dBi
Input VSWR			2.5	:1

Physical Characteristics:

Description	Parameter	Units
Material	Aluminium	
Finish	Conductive oxidation	
Connectors	N Female	
Size	243*163.5*205.7	mm

Outline Drawing:

Unit:mm

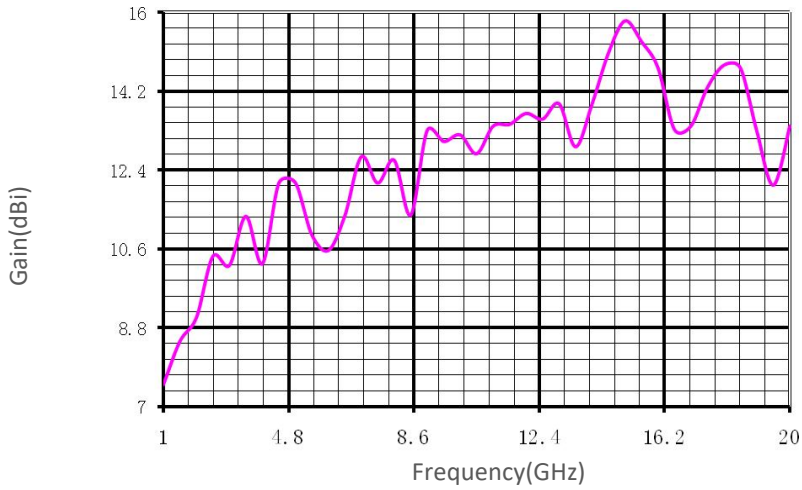
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

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

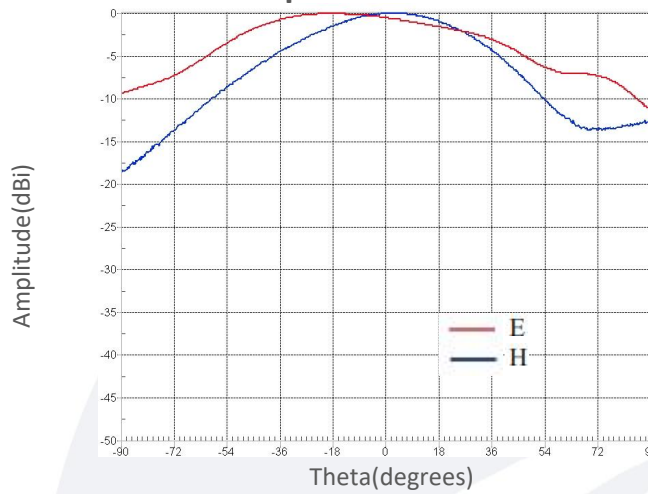
Typical Performance Data:

Gain vs Frequency



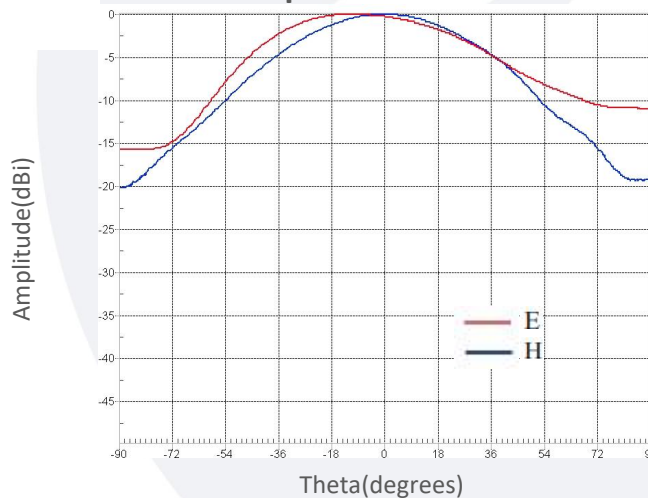
1GHz:

Amplitude vs Theta



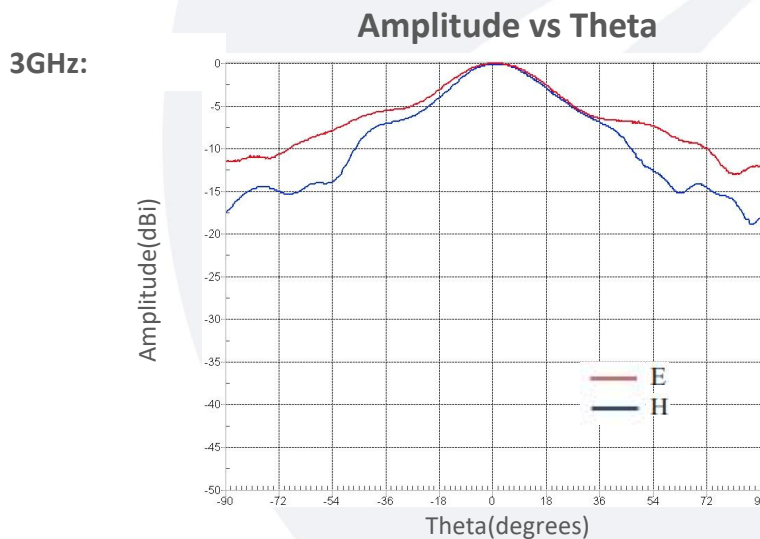
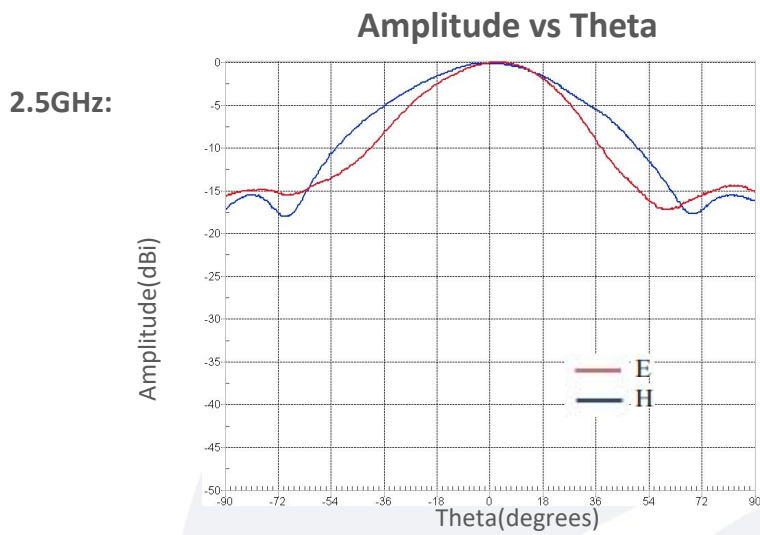
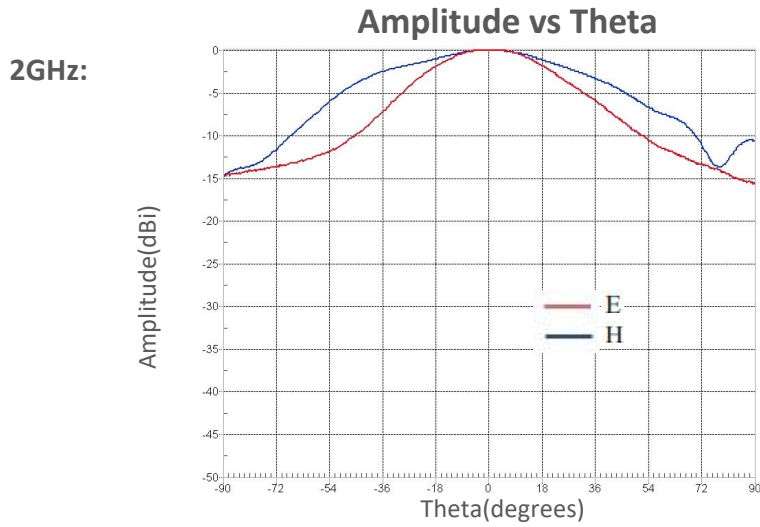
1.5GHz:

Amplitude vs Theta



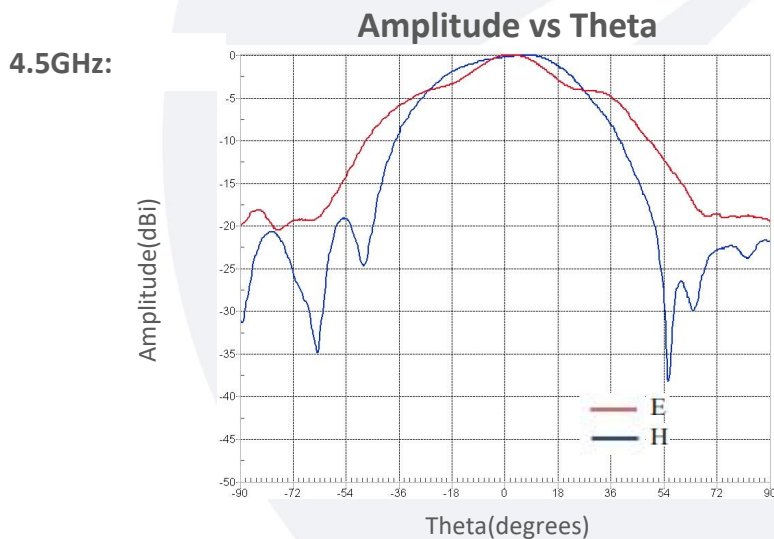
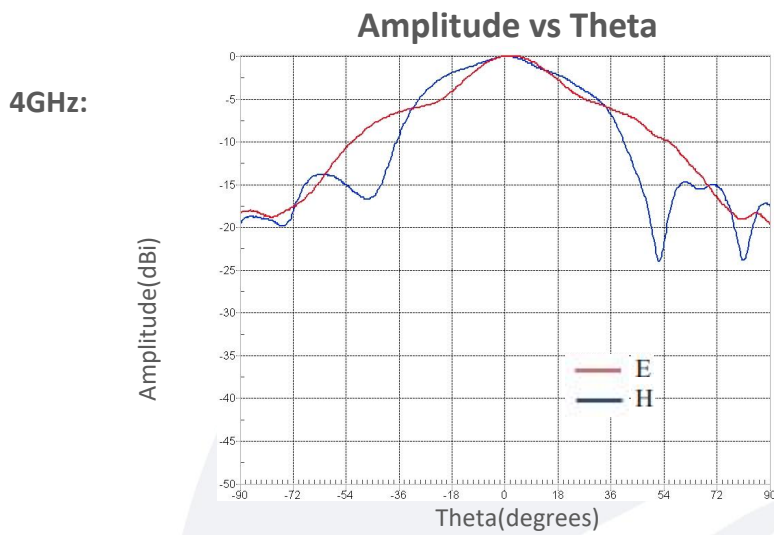
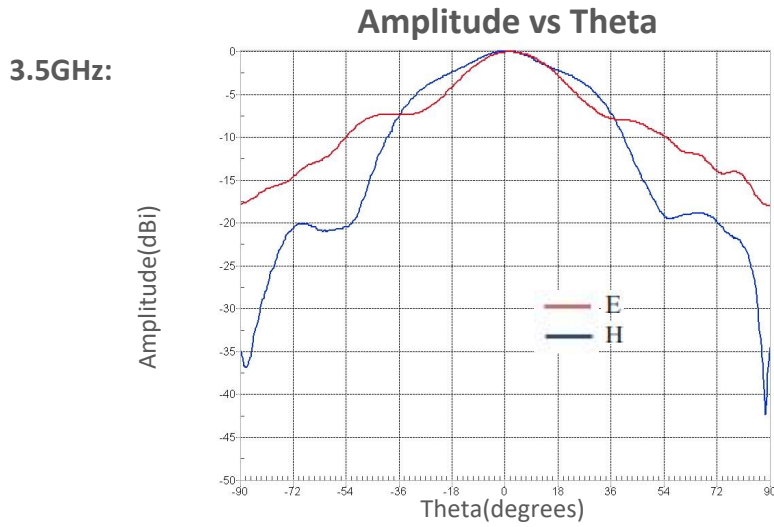
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

Typical Performance Data:



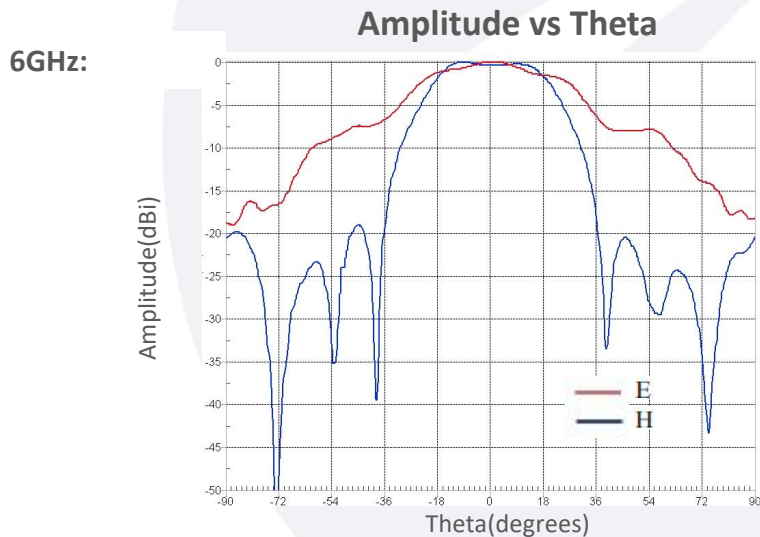
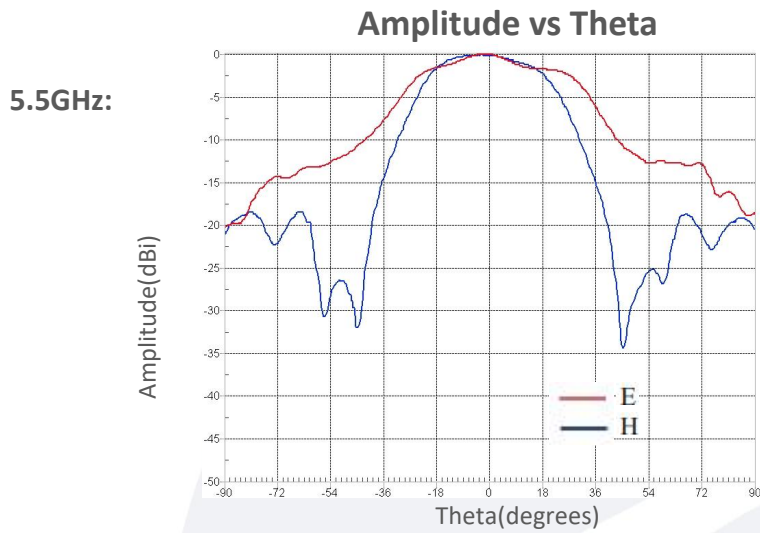
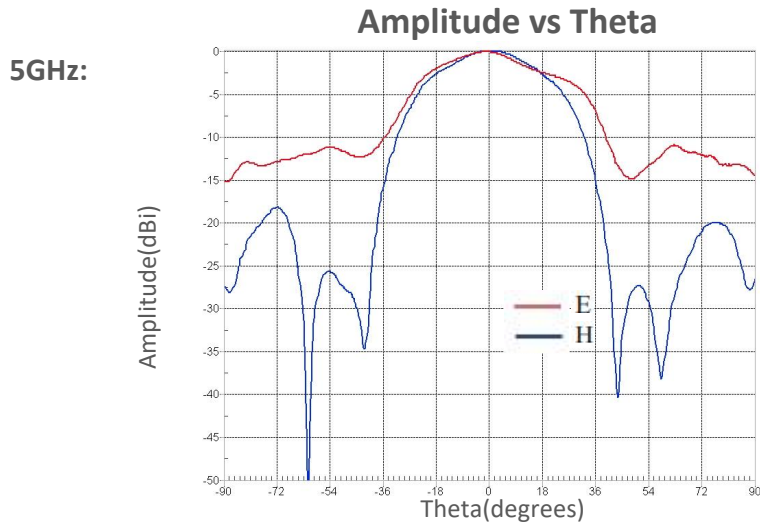
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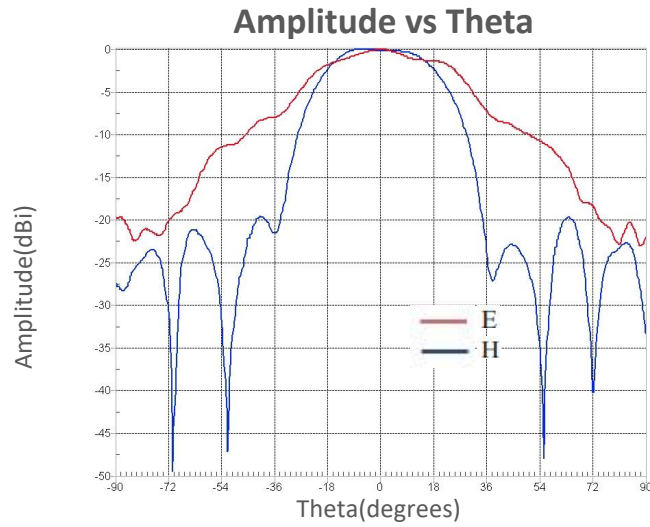
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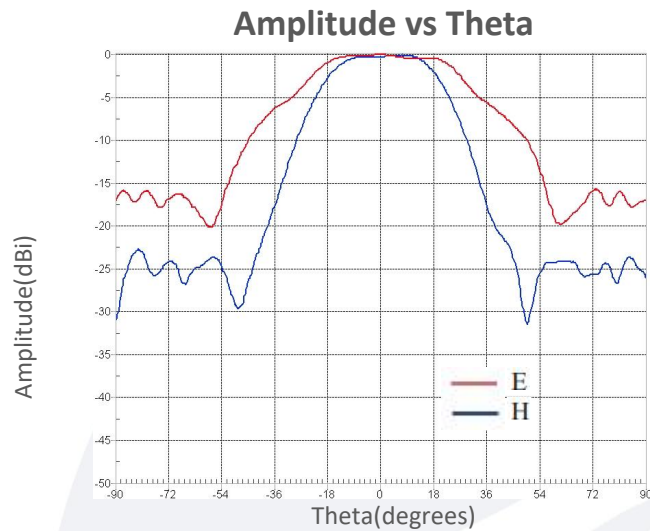
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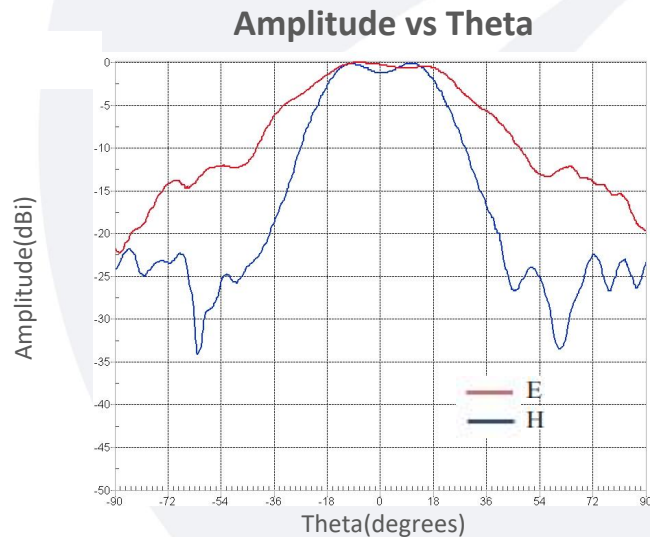
6.5GHz:



7GHz:



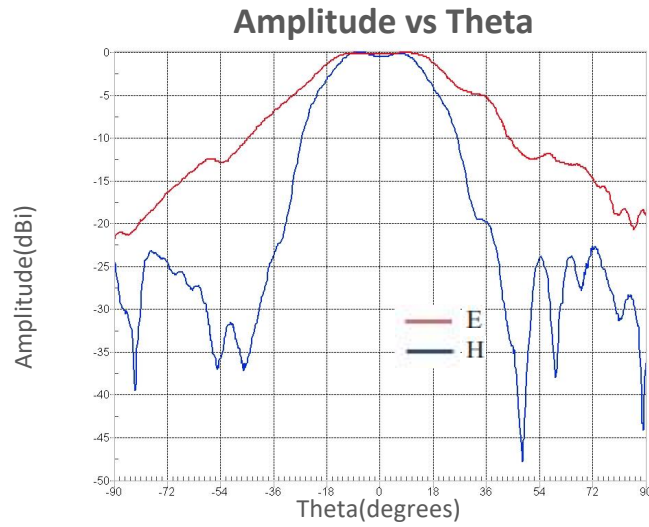
7.5GHz:



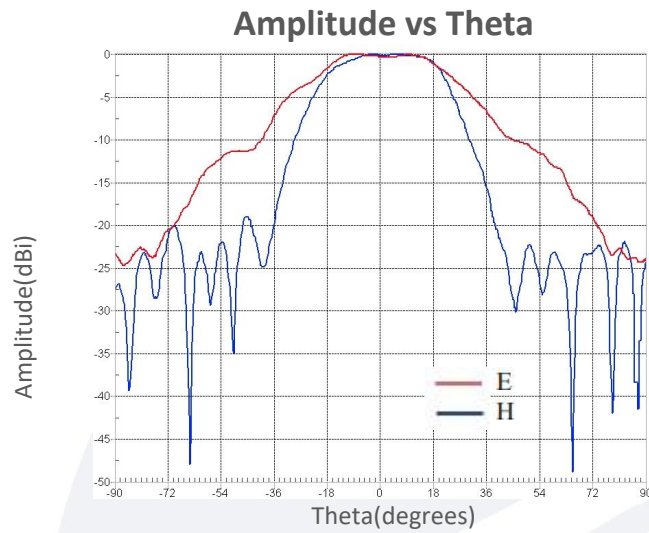
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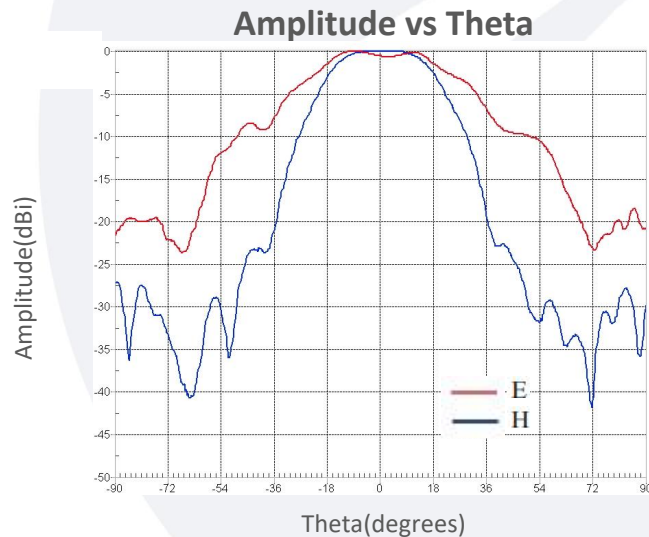
8GHz:



8.5GHz:

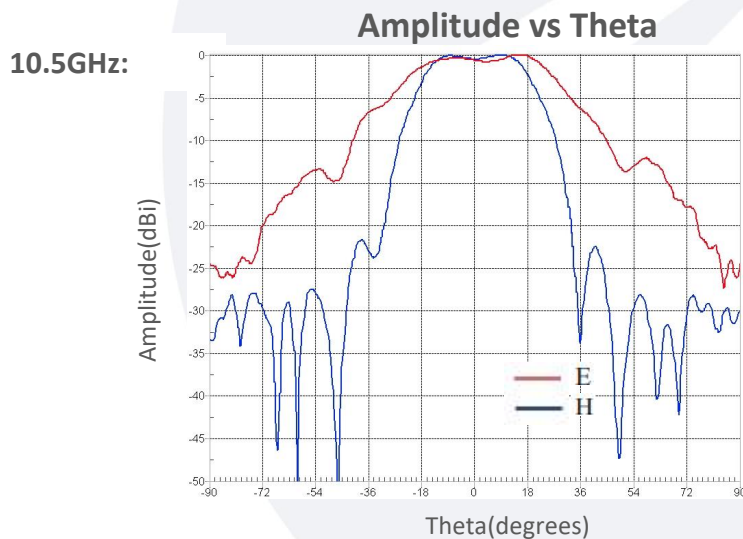
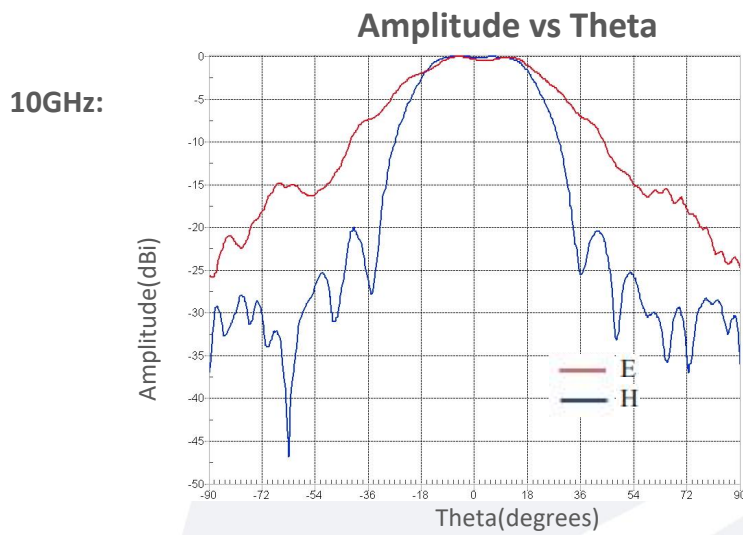
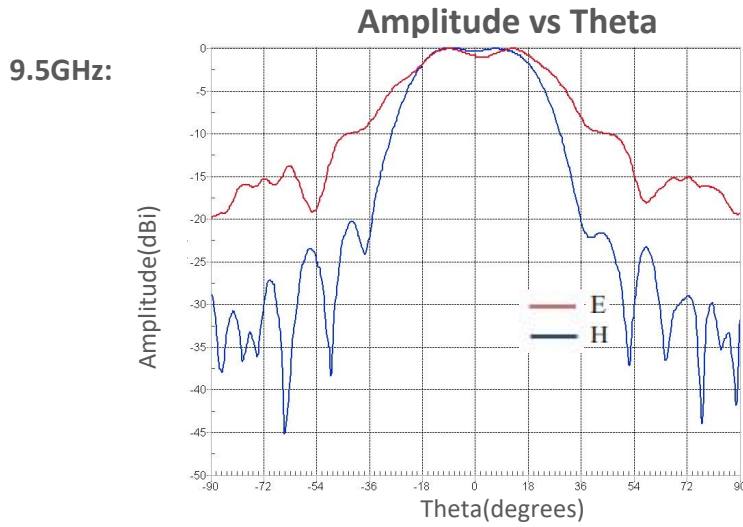


9GHz:



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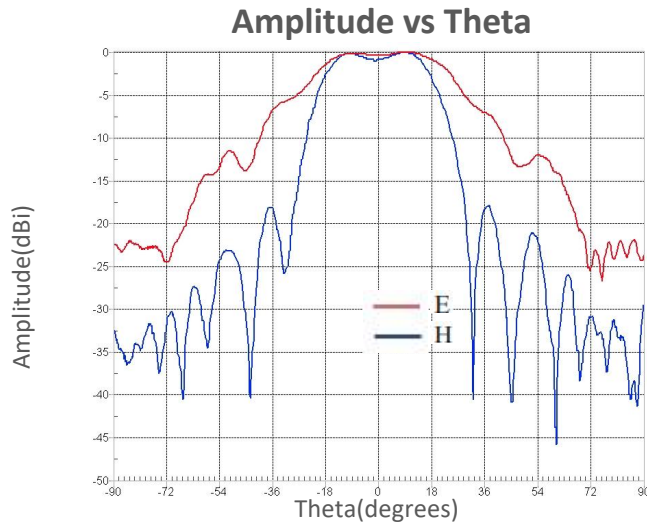
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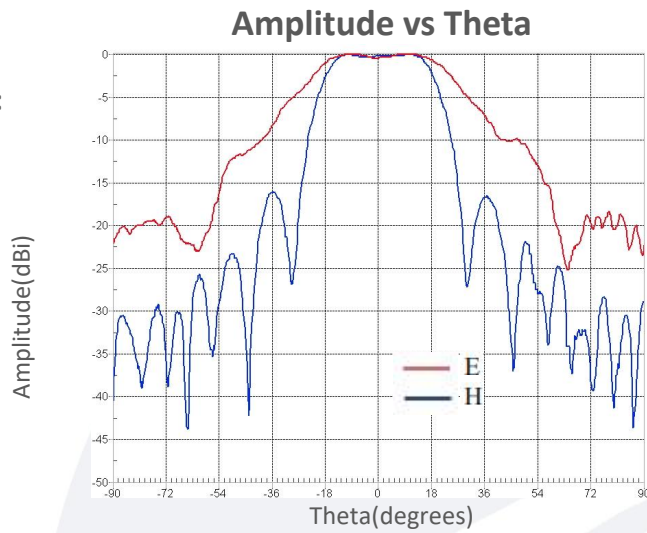
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Typical Performance Data:

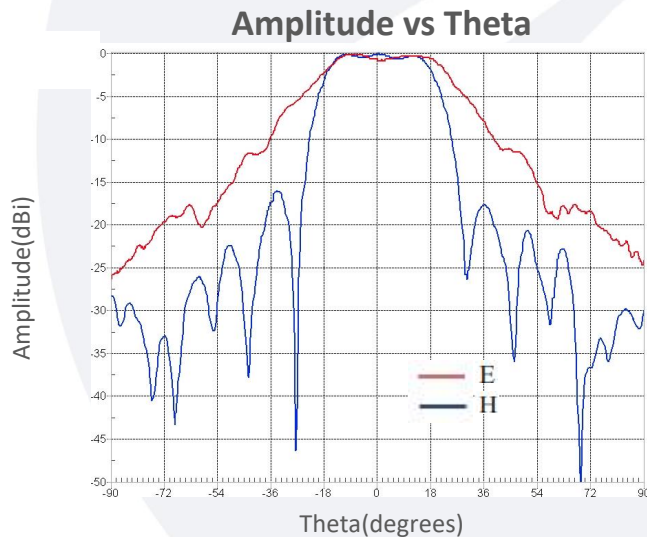
11GHz:



11.5GHz:



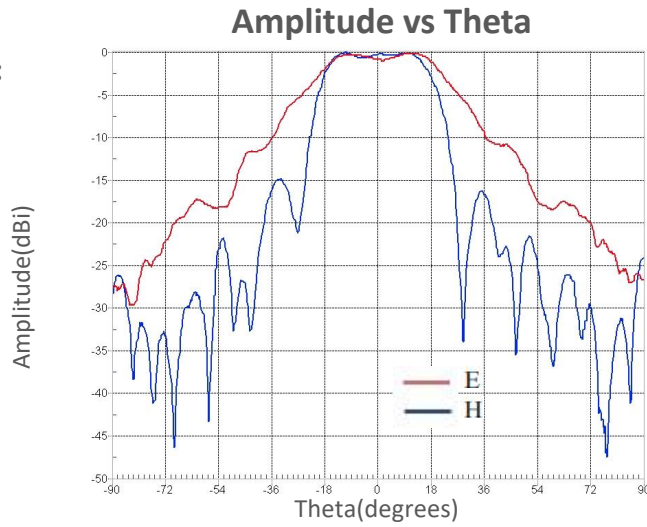
12GHz:



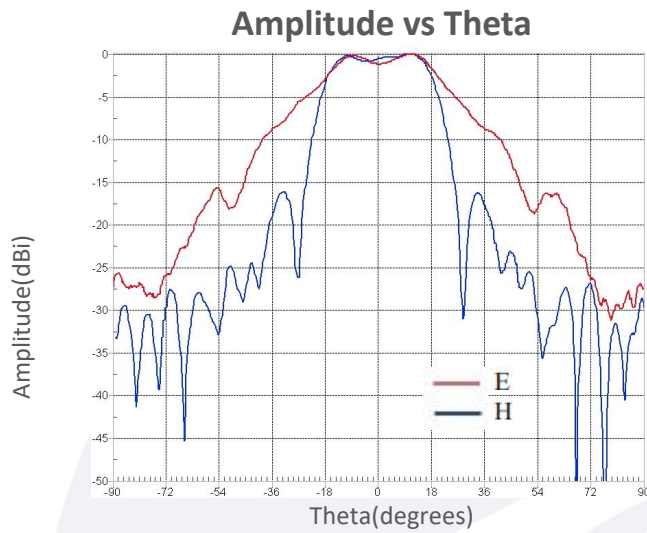
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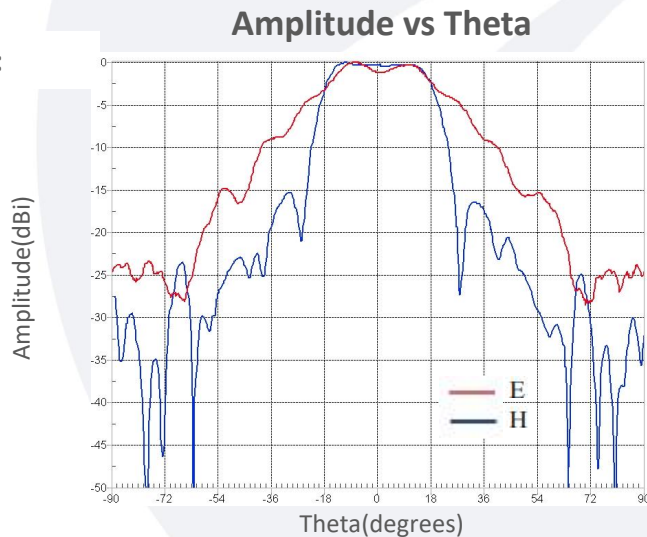
12.5GHz:



13GHz:



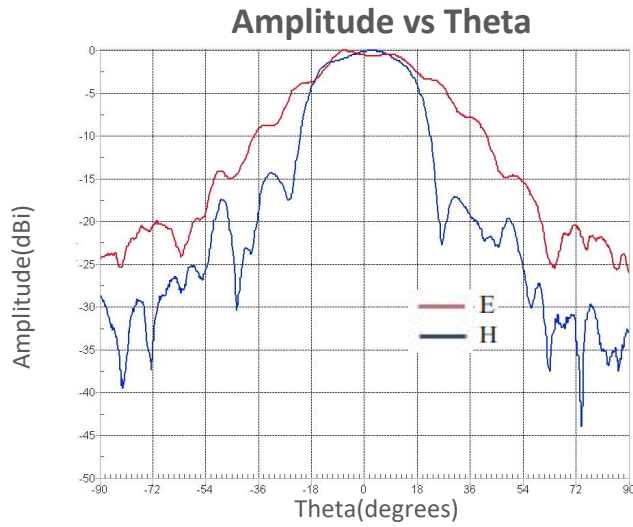
13.5GHz:



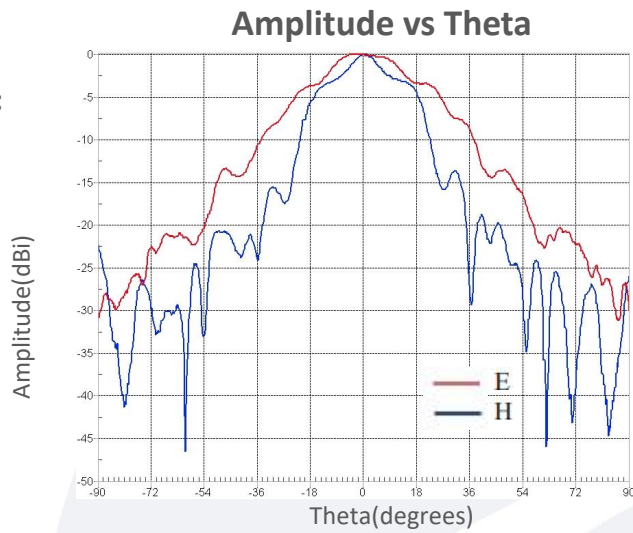
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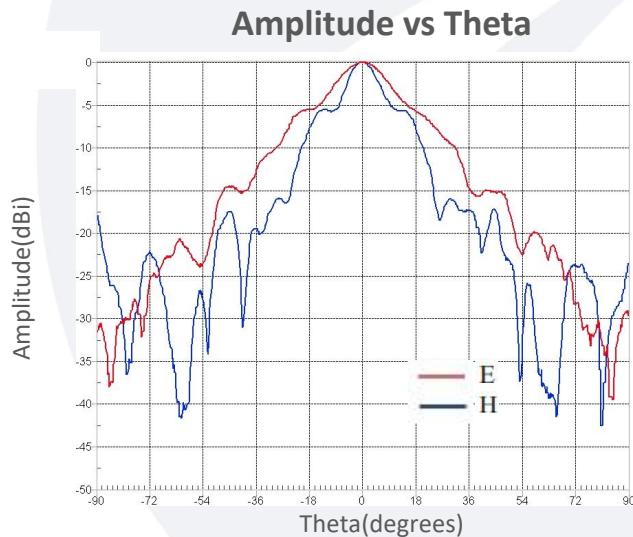
14GHz:



14.5GHz:

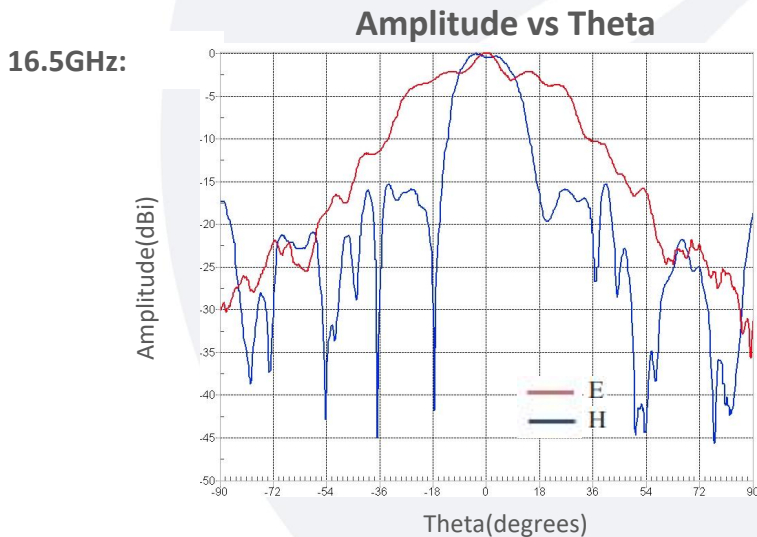
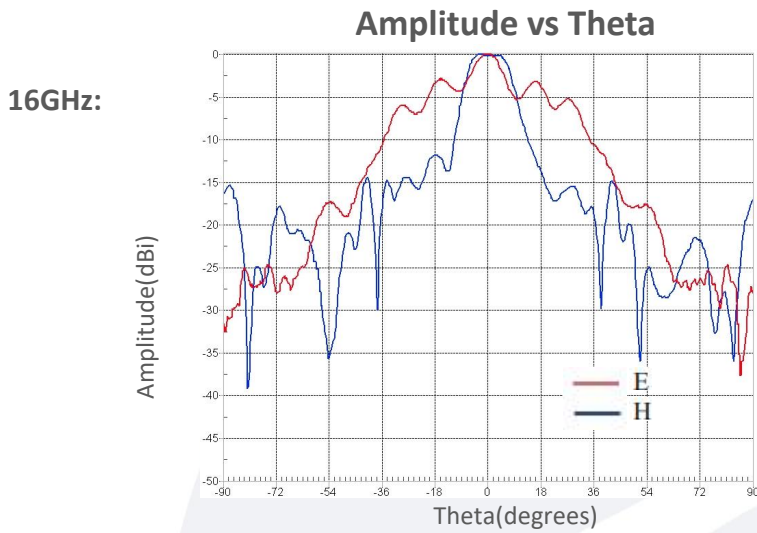
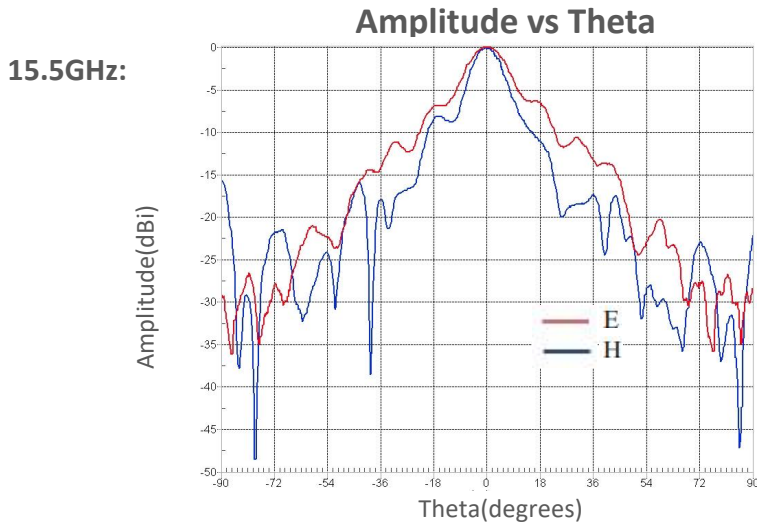


15GHz:



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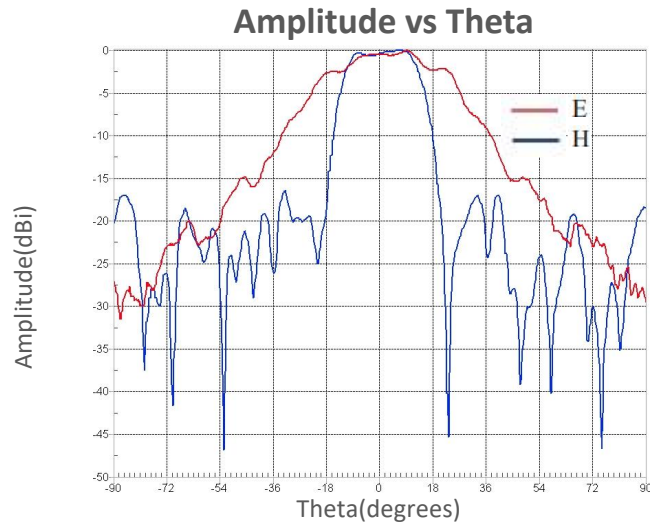
Typical Performance Data:



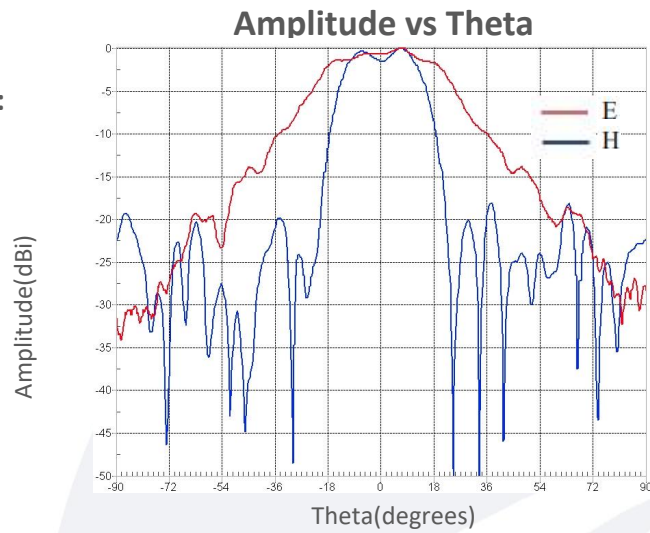
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Typical Performance Data:

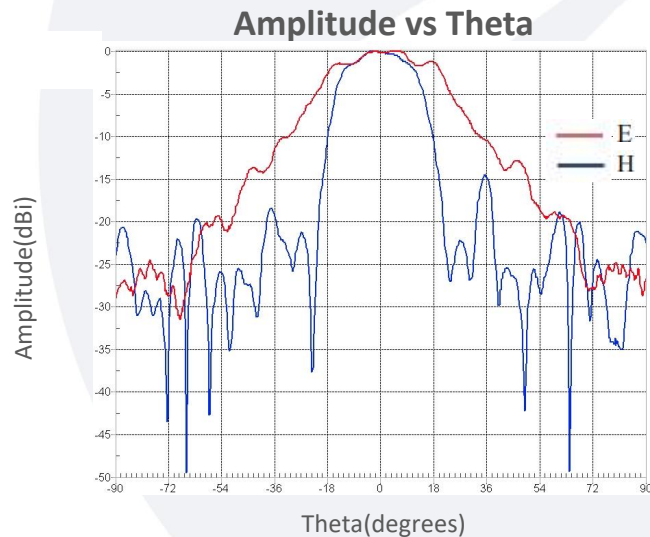
17GHz:



17.5GHz:



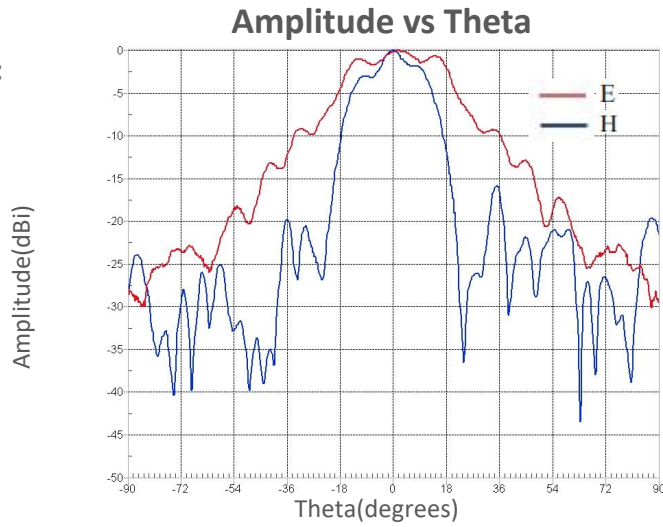
18GHz:



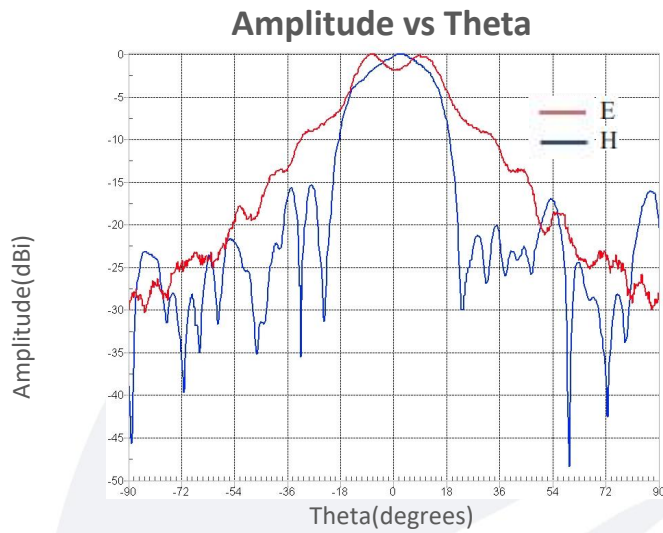
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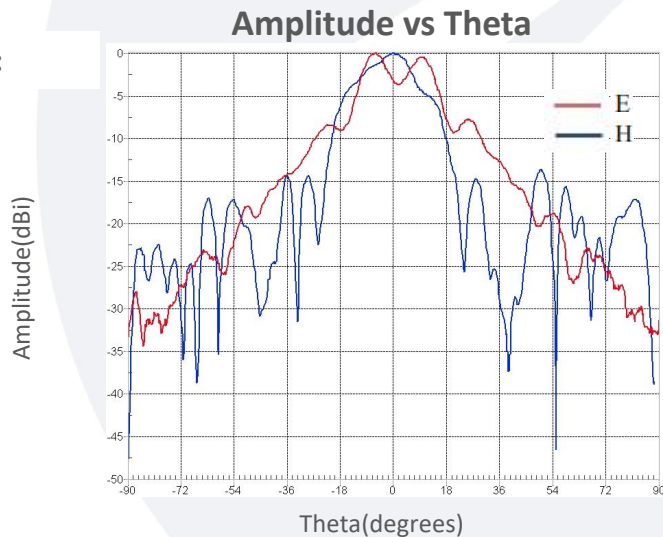
18.5GHz:



19GHz:



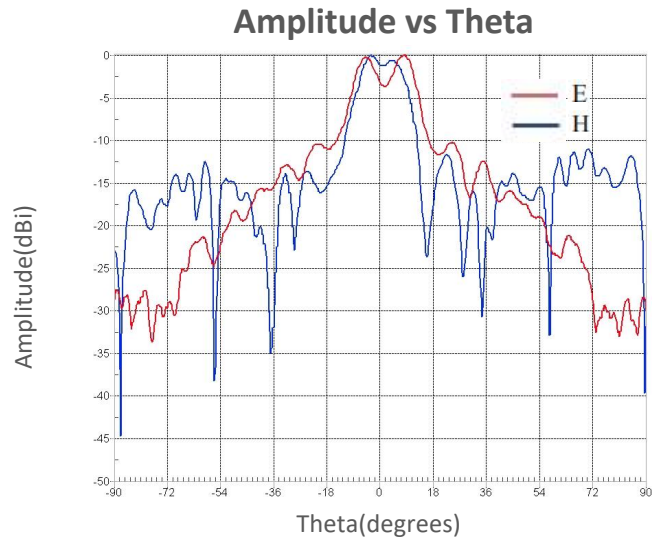
19.5GHz:



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Typical Performance Data:

20GHz:



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