Suzhou Talent Microwave,Inc
sales@talentmw.com
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Standard Gain Horn Antenna

WR-6.5/110-170GHz/10dBi Typ, Gain

Model:TL-6SHA10

TL-6SHA10 is a standard gain horn antenna that operates from 110 GHz to 170GHz. The antenna offers 10dBi nominal gain.The input of this antenna is a WR-6.5 waveguide with UG-387/U-M anti-cocking flange. The standard gain horn is offered for antenna range calibration purpose mainly, but it can be also used for general purpose system set ups.

Features:

- Operating Frequency 110 to 170 GHz
- Gain: 10dBi Typ
- Linear Polarization
- Good Impedance Match

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	110		170	GHz
Gain		10		dBi
Polarization mode		Linear		
Input VSWR			1.15	:1
Output mode		APF4		

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Material	Brass	
Waveguide Connectors	WR-6.5/UG-387/U	
Size	ø19.05*18.1	mm

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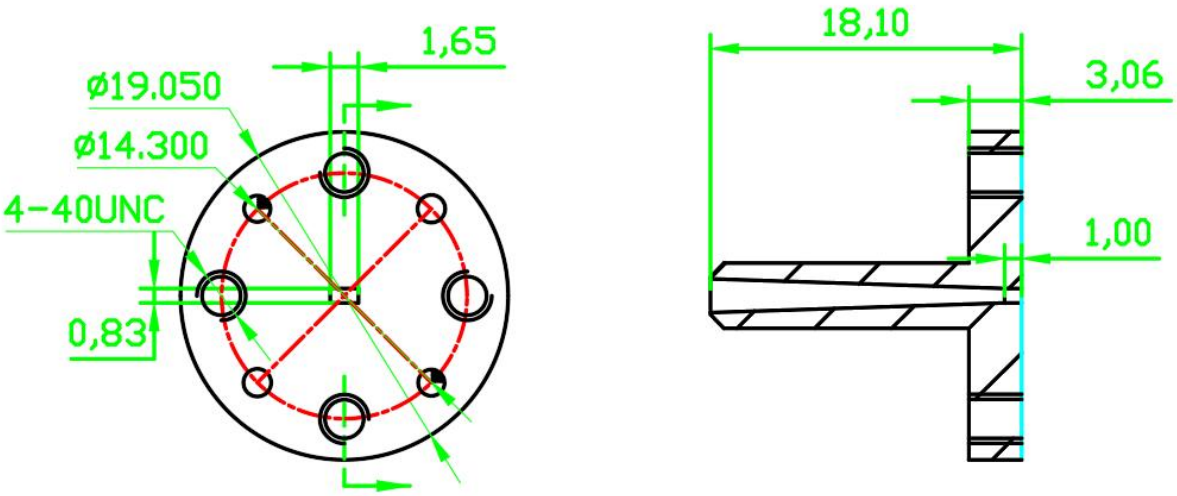
Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TL-6SHA10	Standard Gain Horn Antenna, 110-170GHz,Gain: 10dBi Typ.	Rev.1.0

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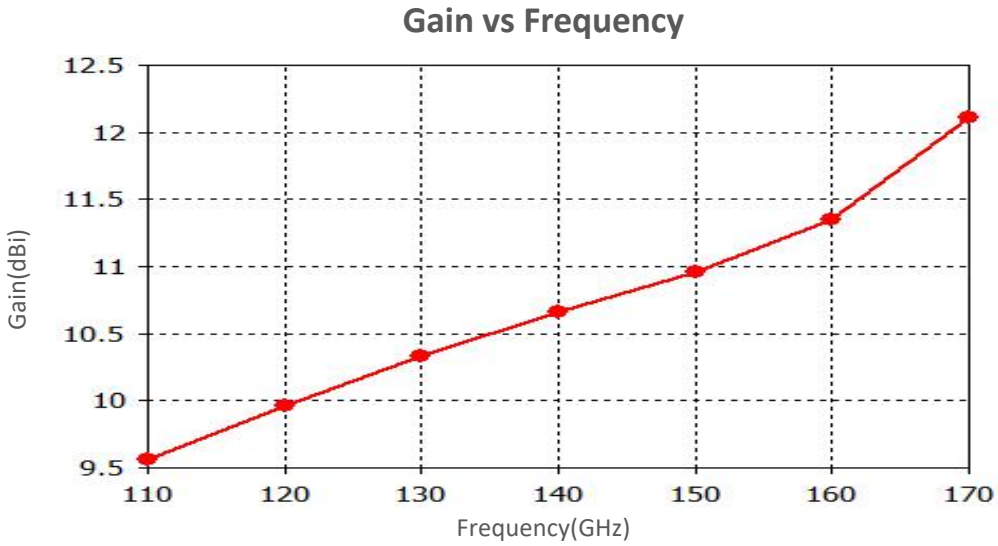
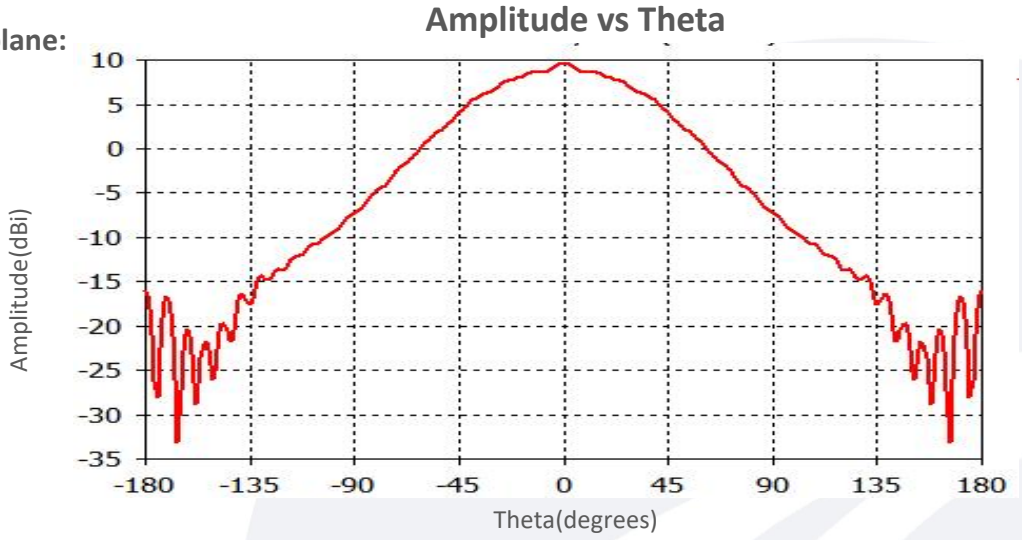
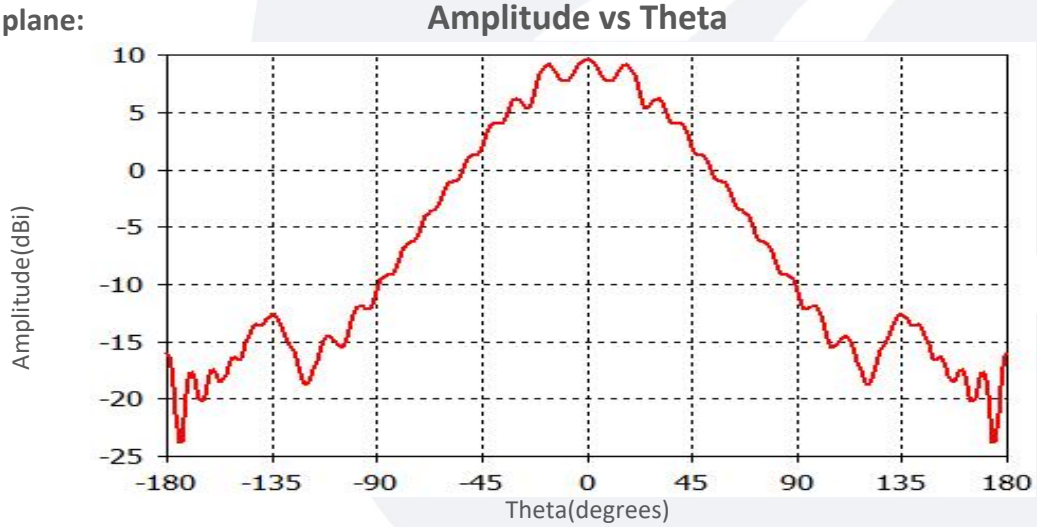
Typical Performance Data:



110GHz,E plane:



110GHz,H plane:



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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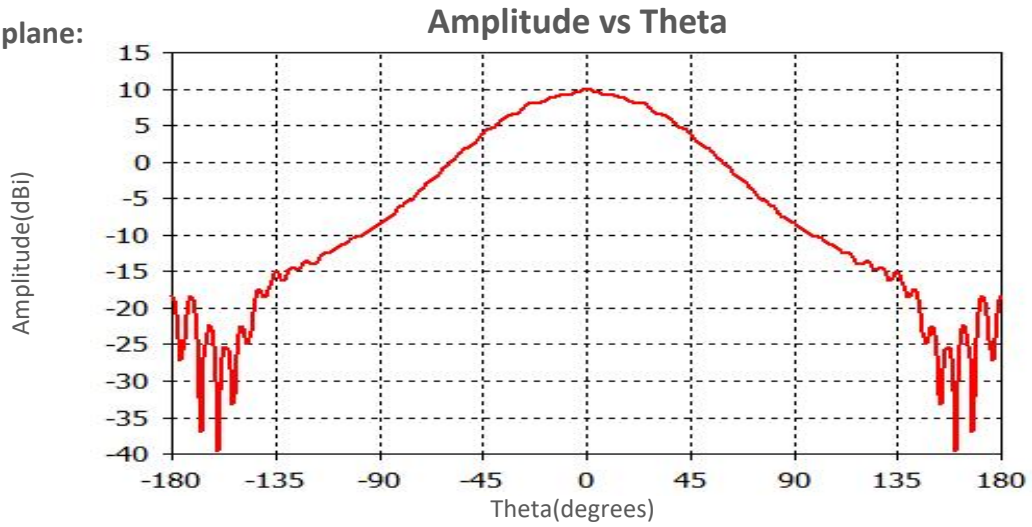
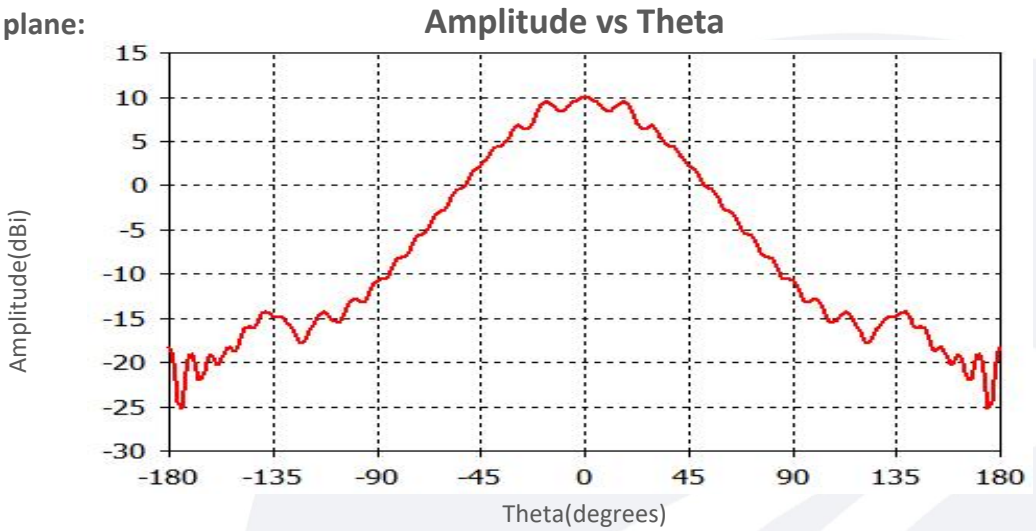
Typical Performance Data:

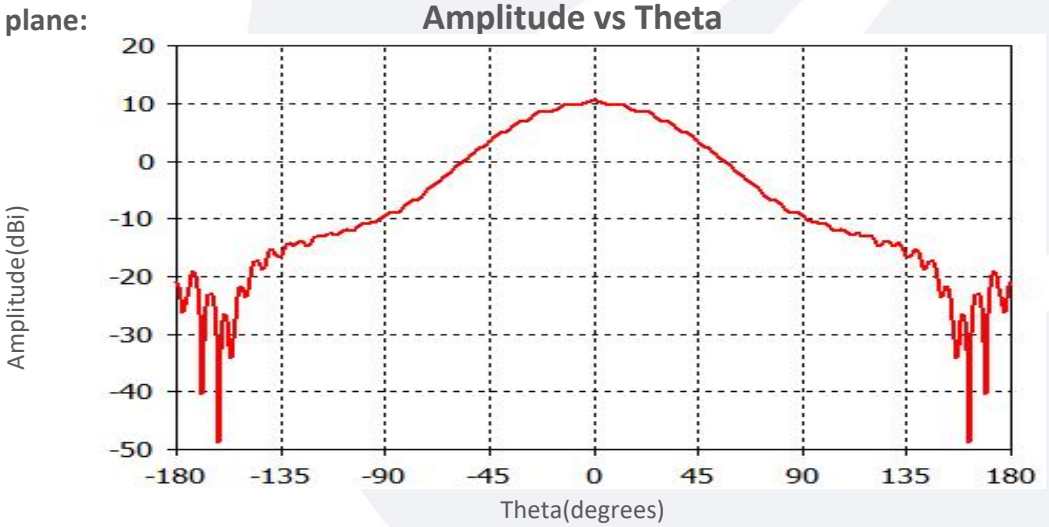
120GHz,E plane:



120GHz,H plane:



130GHz,E plane:



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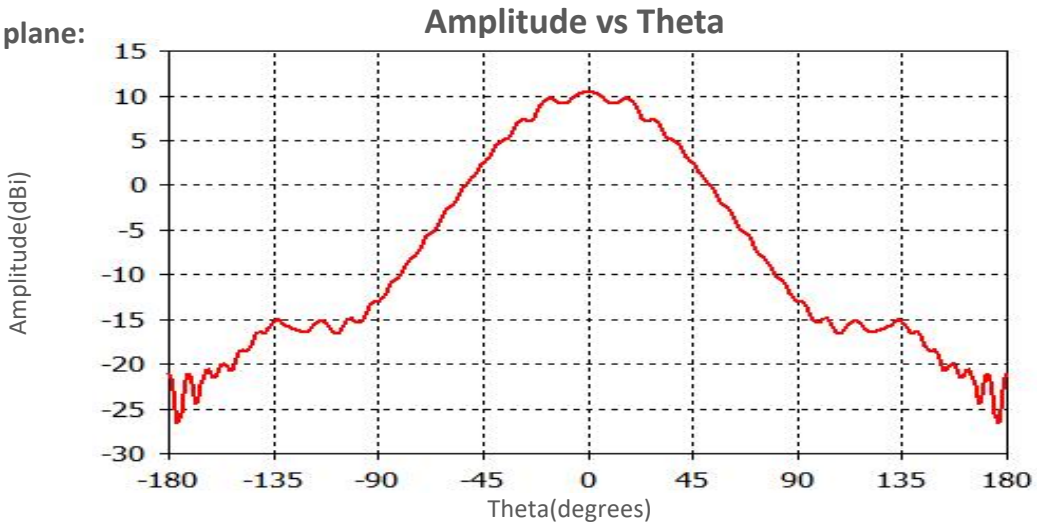
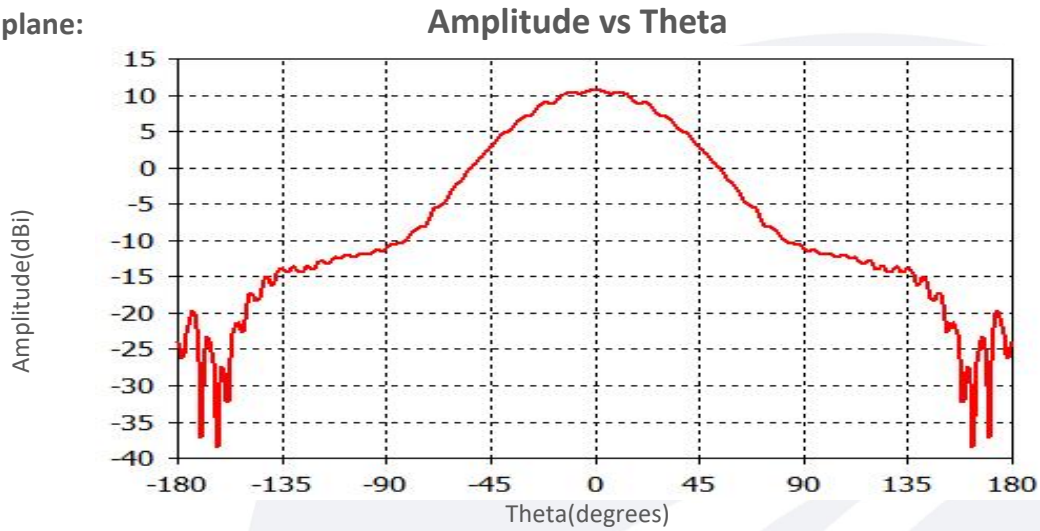
Typical Performance Data:

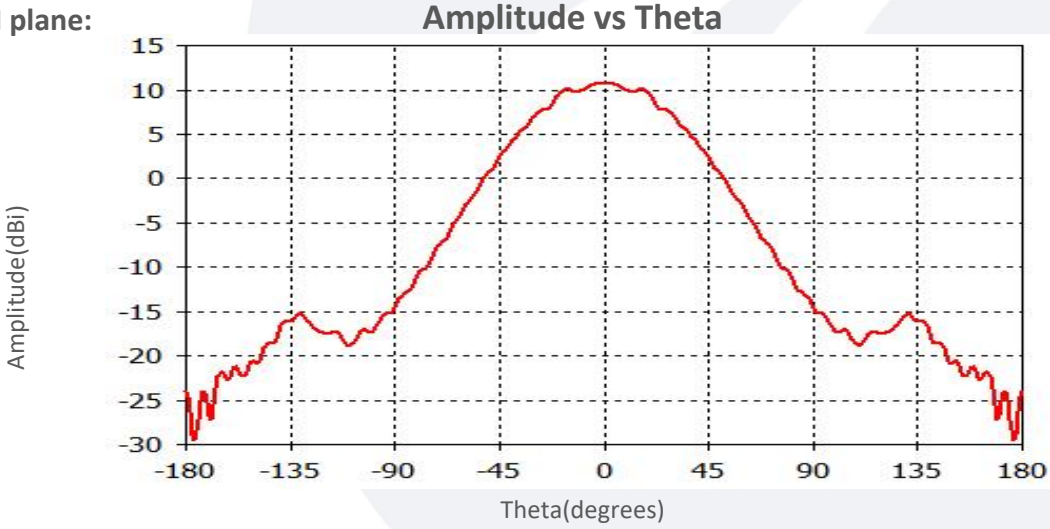
130GHz,H plane:



140GHz,E plane:



140GHz,H plane:



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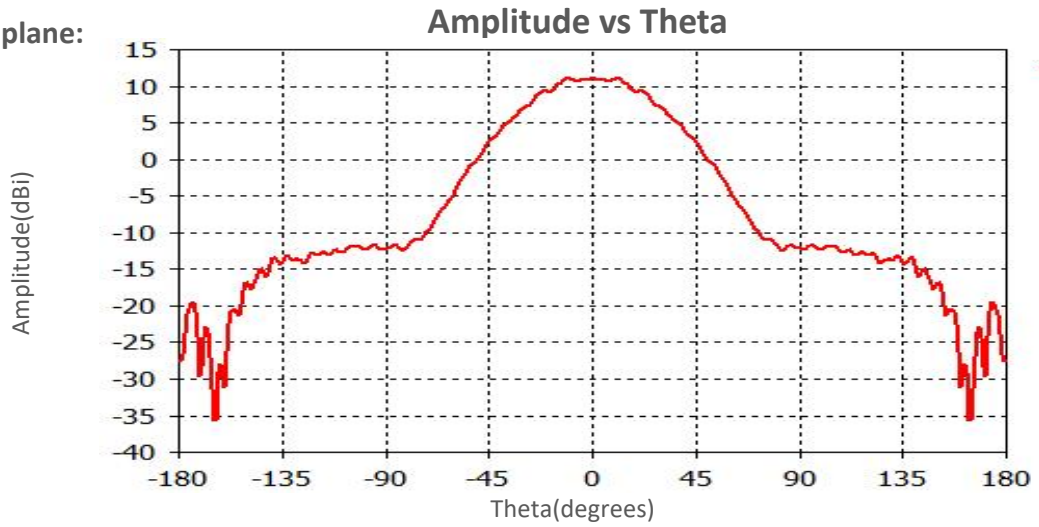
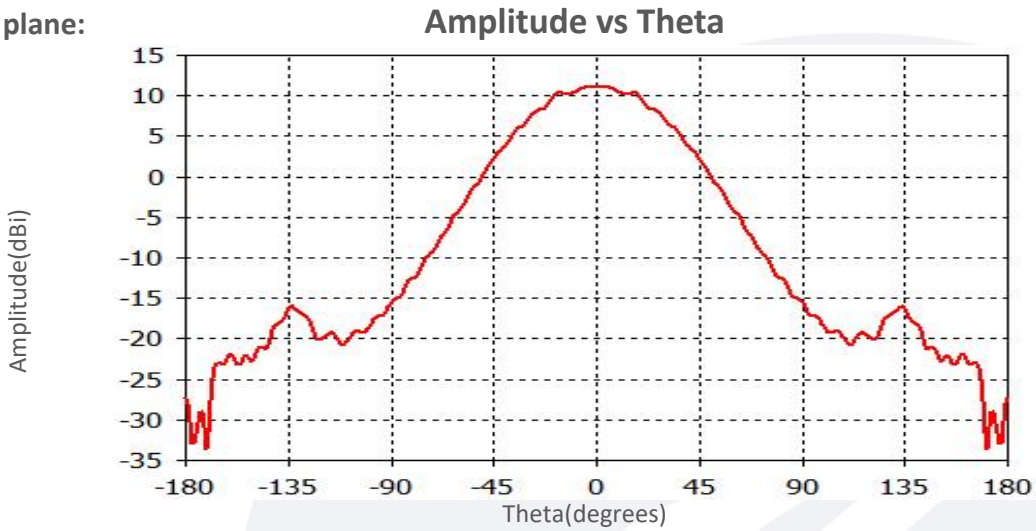
Typical Performance Data:

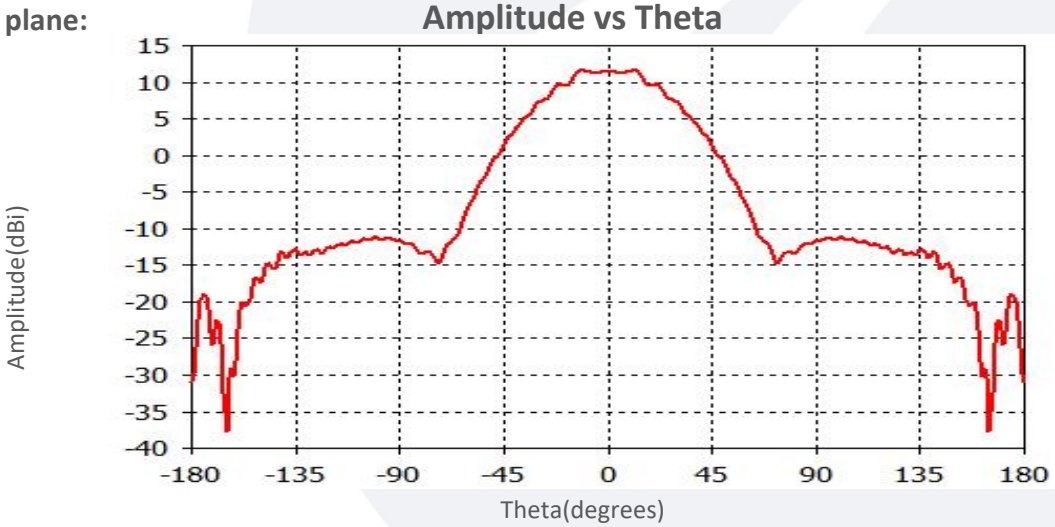
150GHz,E plane:



150GHz,H plane:



160GHz,E plane:



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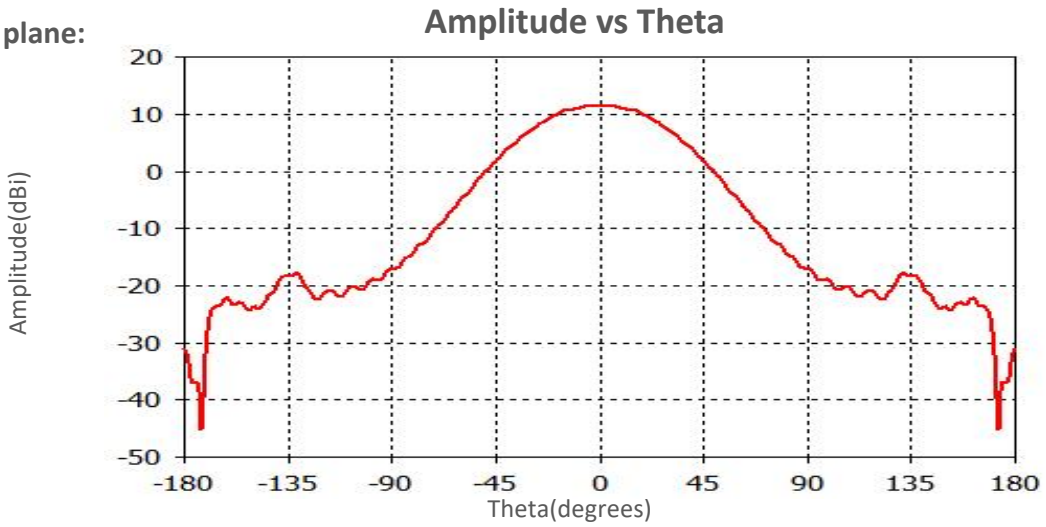
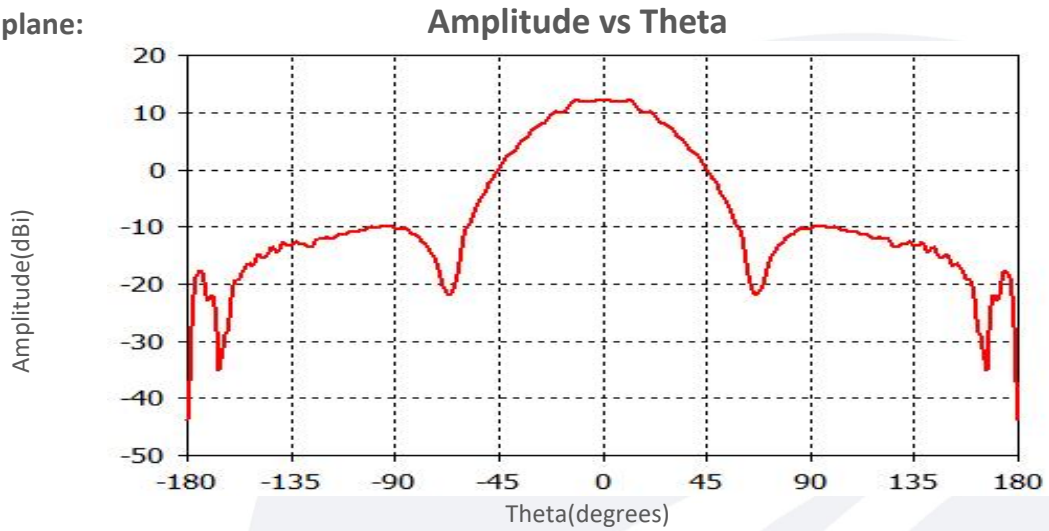
Typical Performance Data:

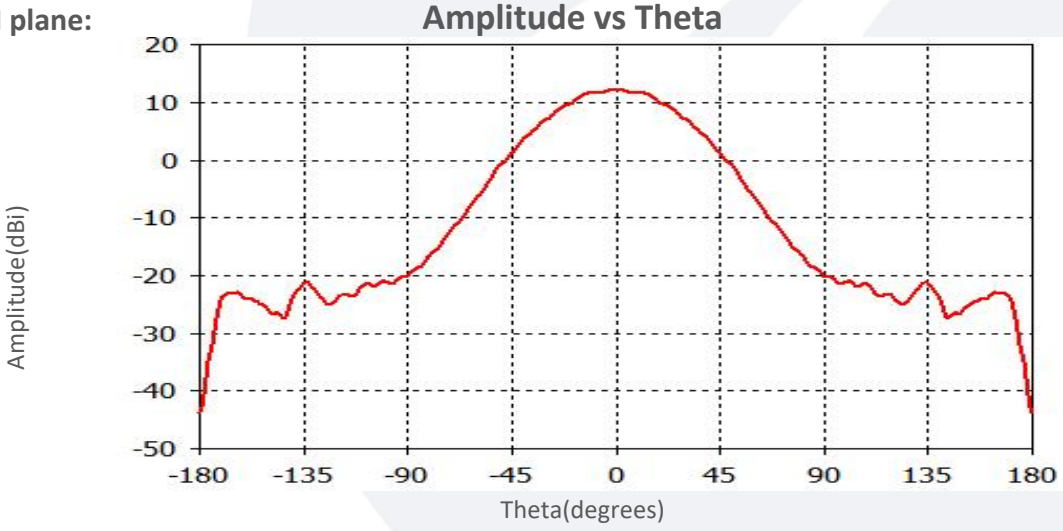
160GHz,H plane:



170GHz,E plane:



170GHz,H plane:



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