Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Broadband Horn Antenna

2.92mm Female/18-40GHz/18dBi Min, Gain

Model: TL-180400HA16K

TL-180400HA16K is a broadband horn antenna that operates from 18 GHz to 40 GHz. The antenna offers 18 dBi minimum gain.The input of this antenna configuration offers coax adapter structure with 2.92mm female. 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 18 to 40 GHz
- Gain: 18dBi Min
- Linear Polarization
- Good Impedance Match

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	18		40	GHz
Gain	18		23	dBi
Polarization mode	Linear			
Input VSWR			1.75	:1

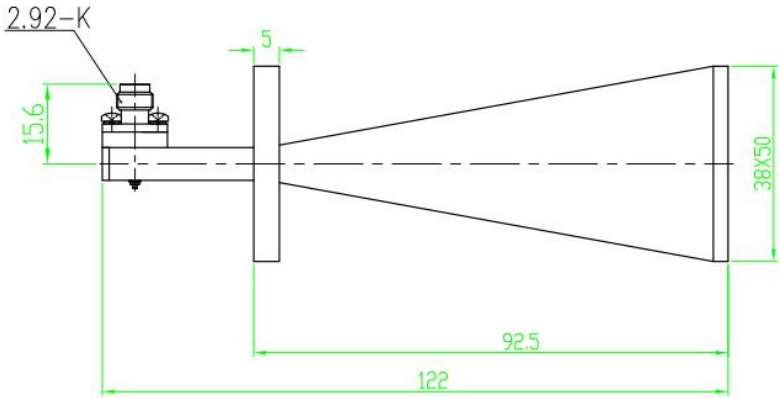
Envrionmental And Physical Characteristics:

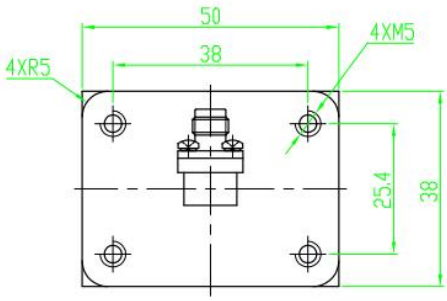
Parameter	Value	Units
Material	Brass	
Finish	Silver plated	
Connectors	2.92mm Female	
Size	122*50*38	mm

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm





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

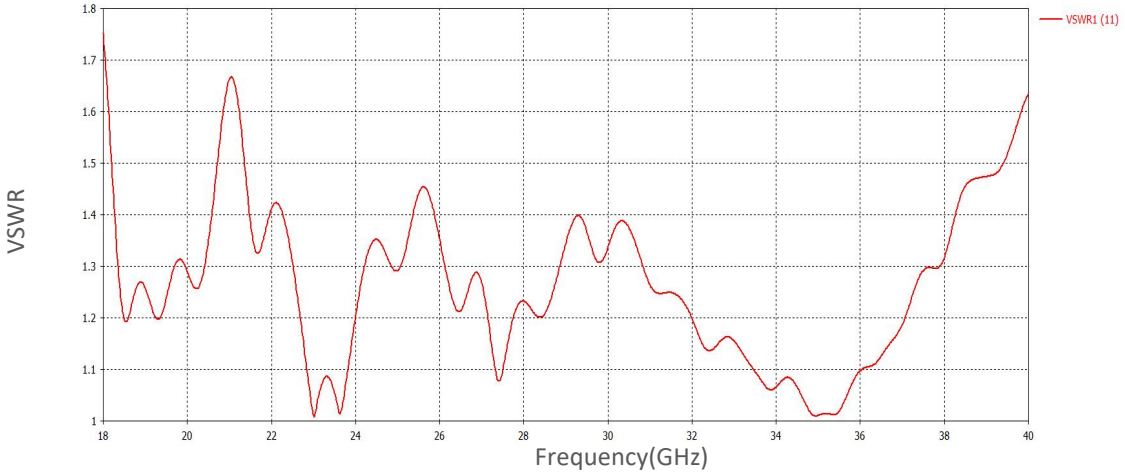
Ordering Information:

Base Number	Description	Revision
TL-180400HA16K	Broadband Horn Antenna, 18-40GHz,Gain: 18dBi Min.	Rev.1.0

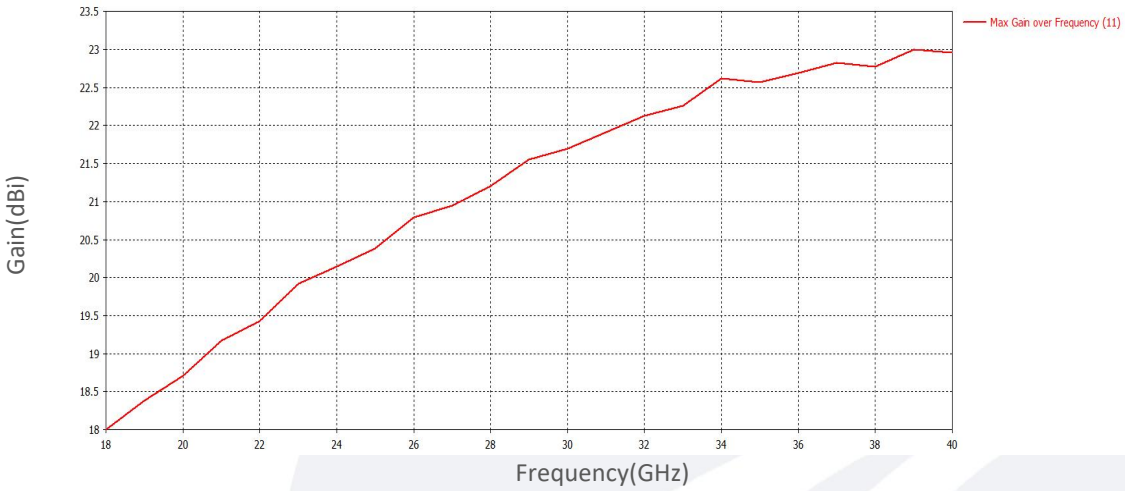
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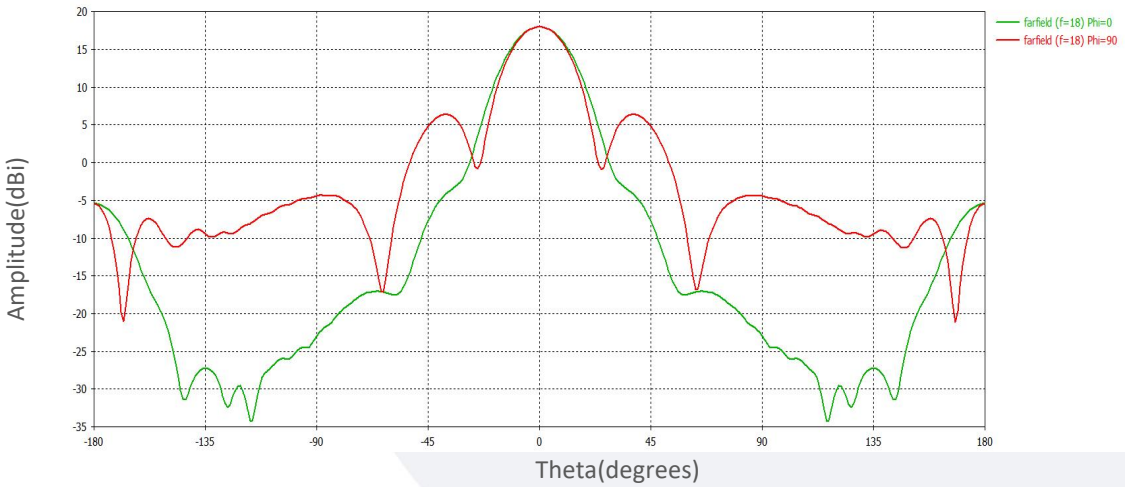
VSWR vs Frequency



Gain vs Frequency



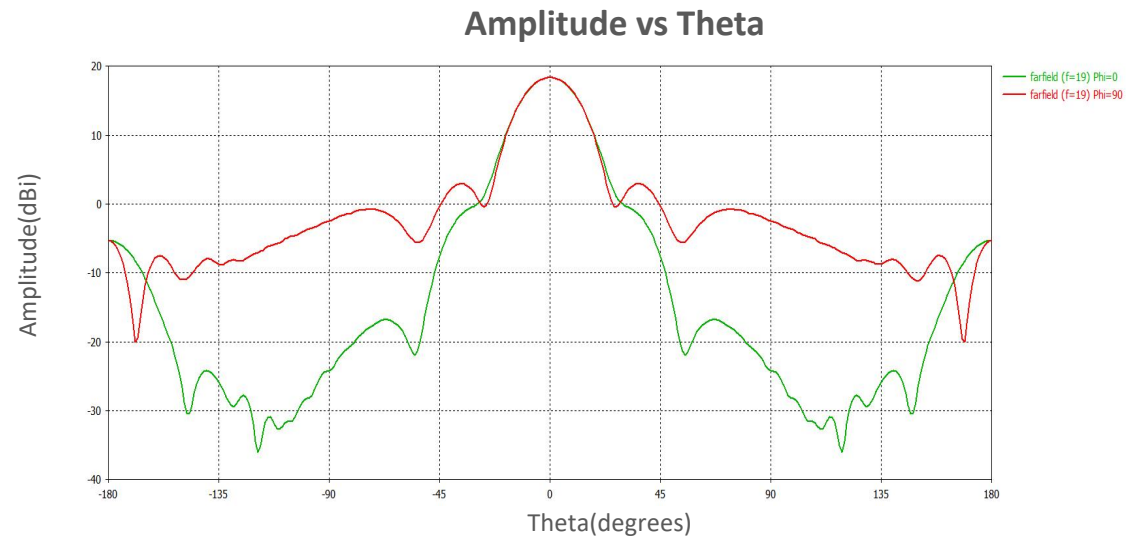
Amplitude vs Theta

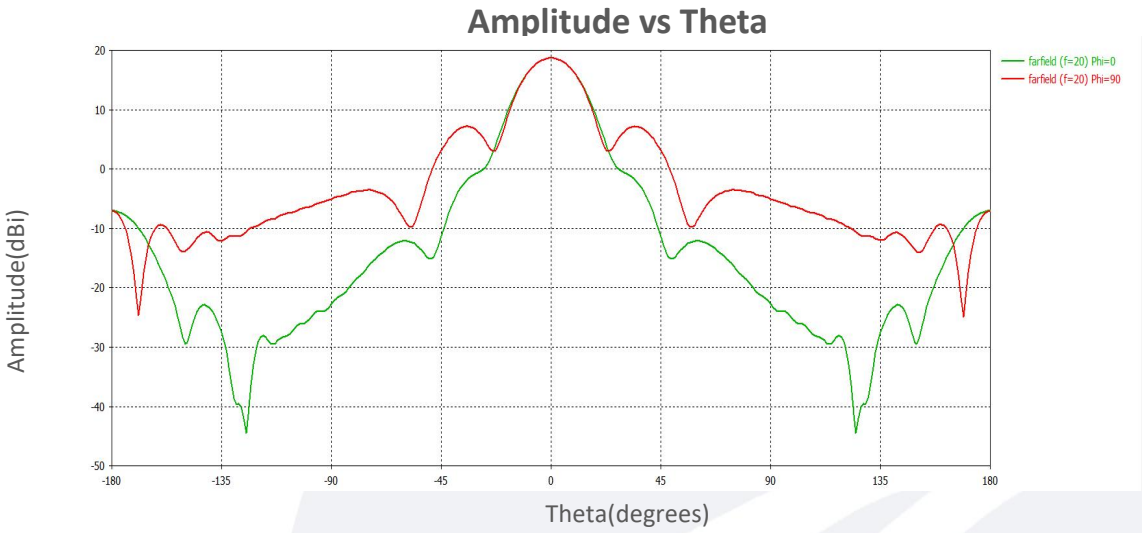


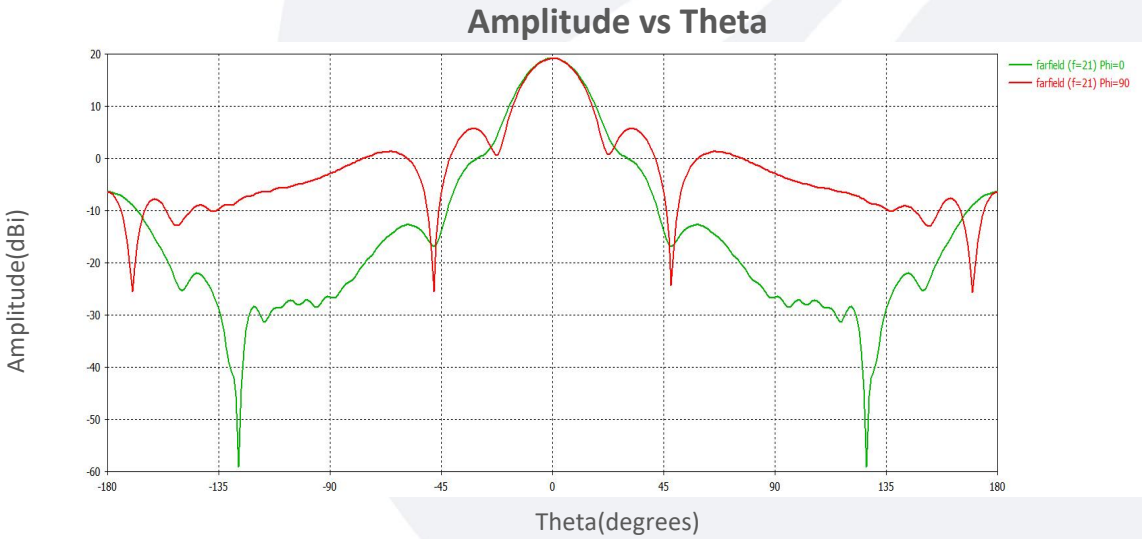
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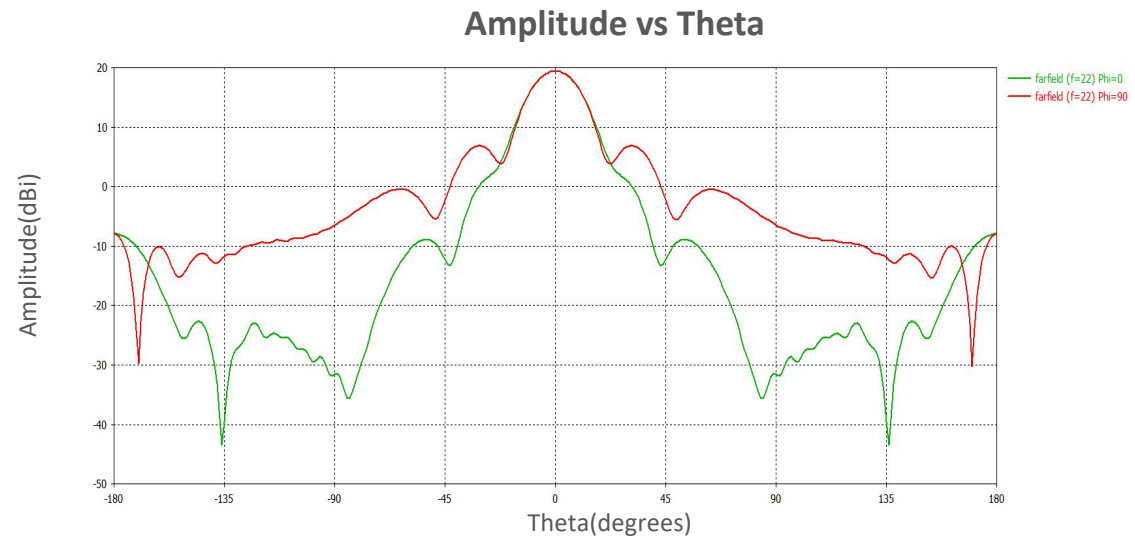


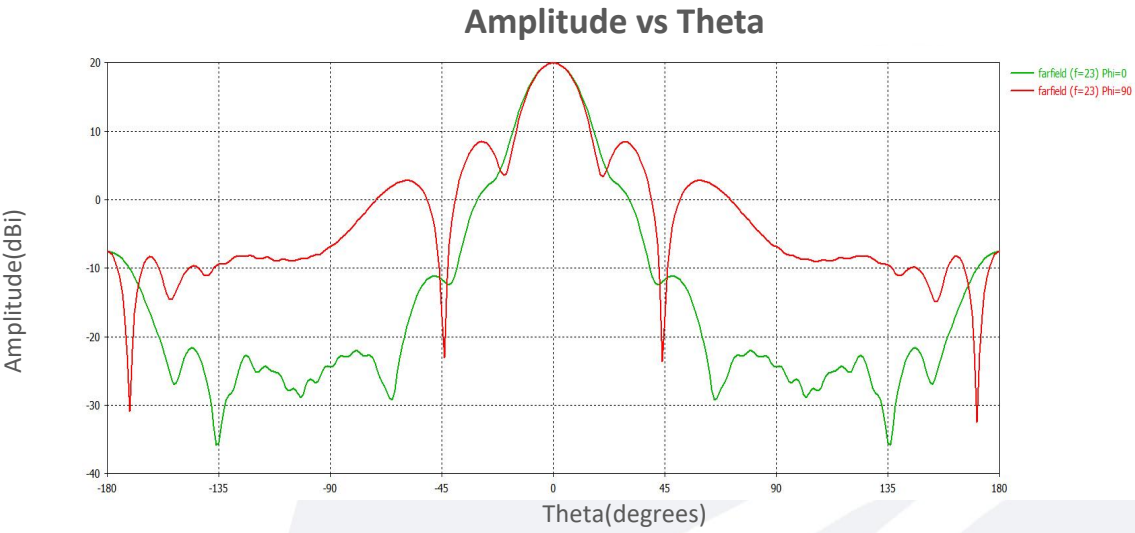


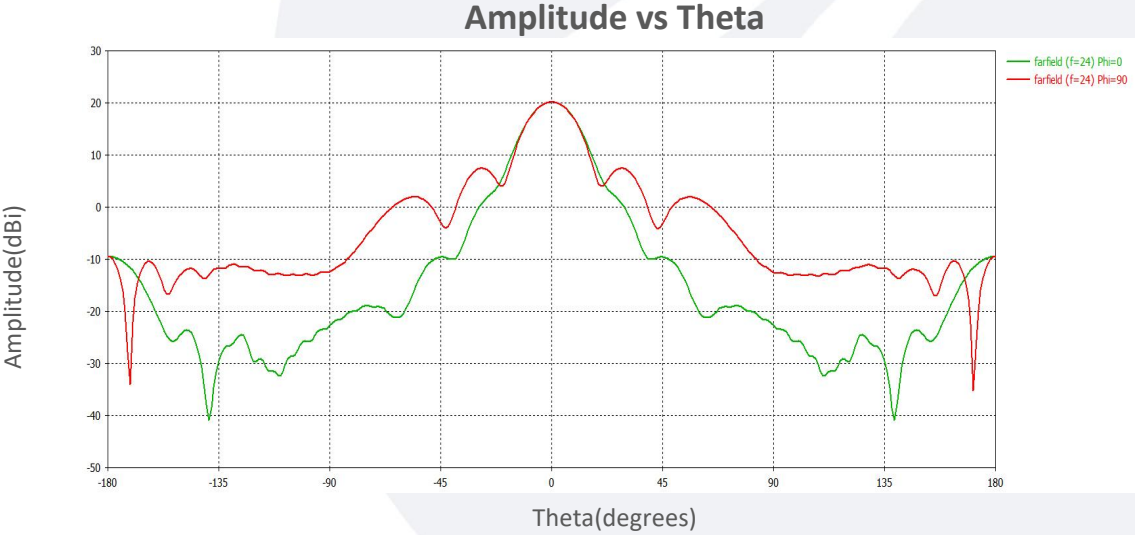
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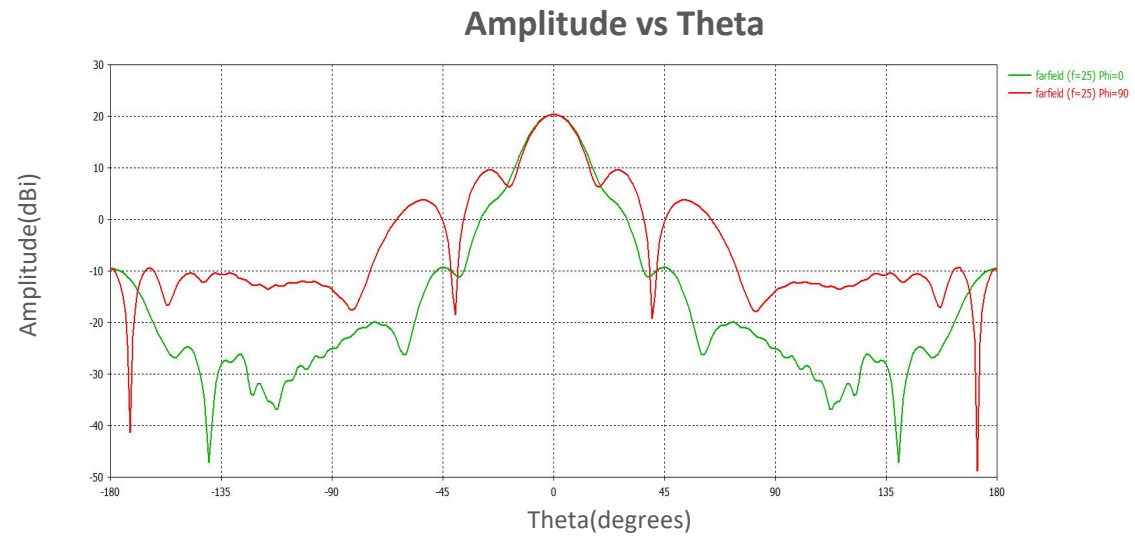


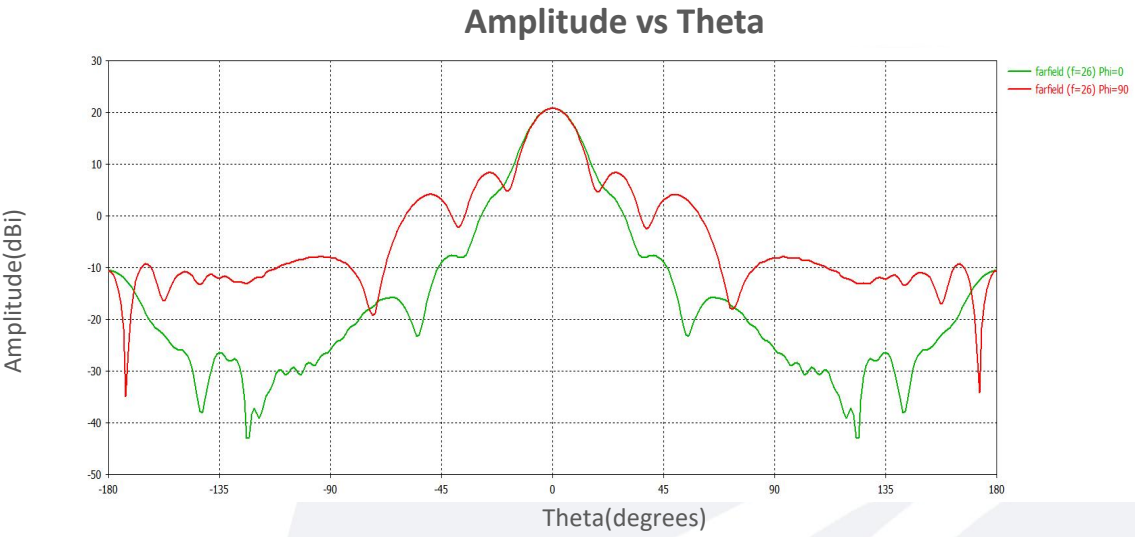


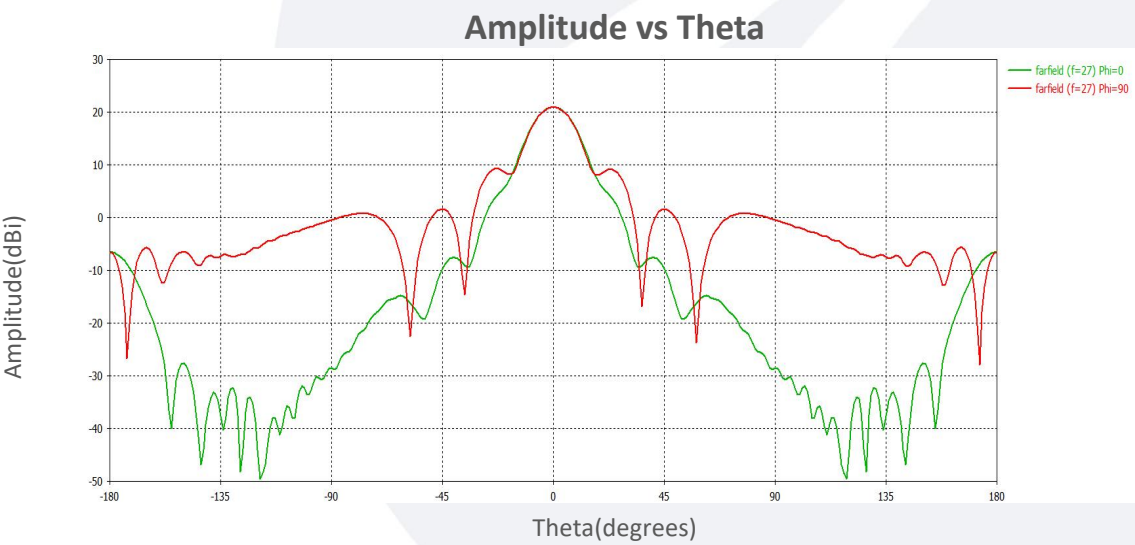
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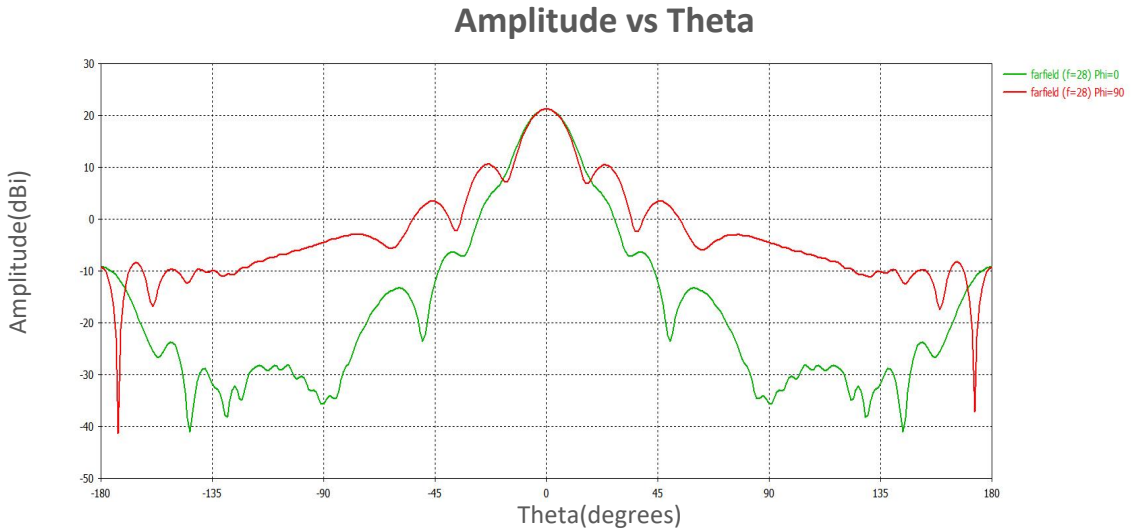


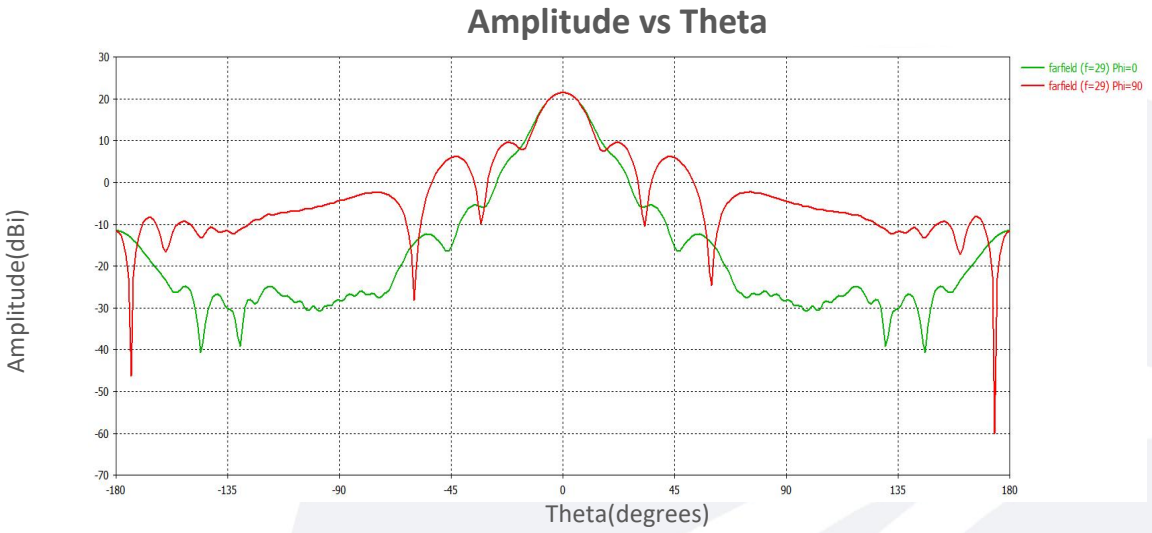


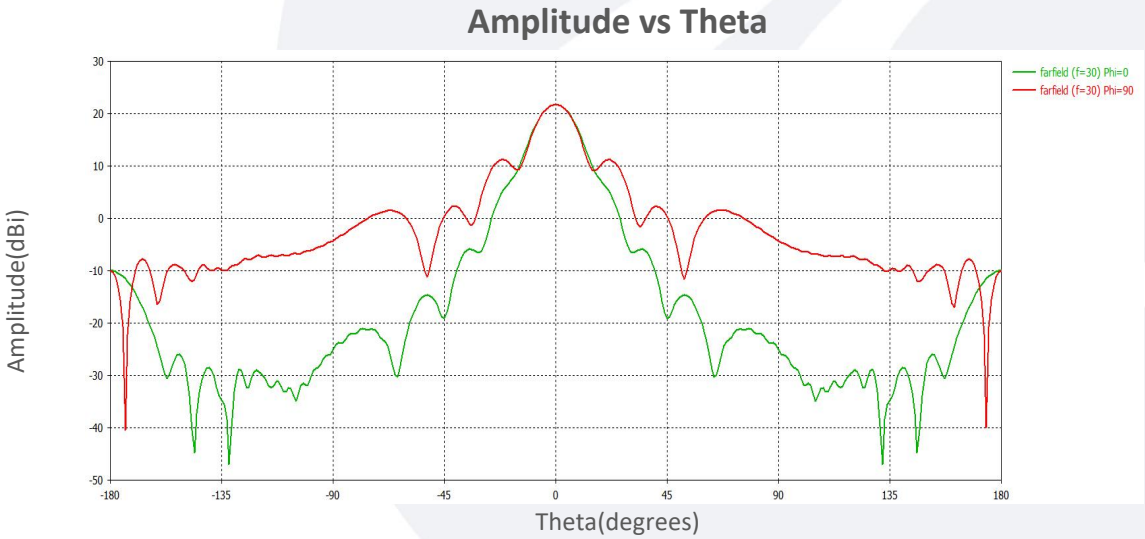
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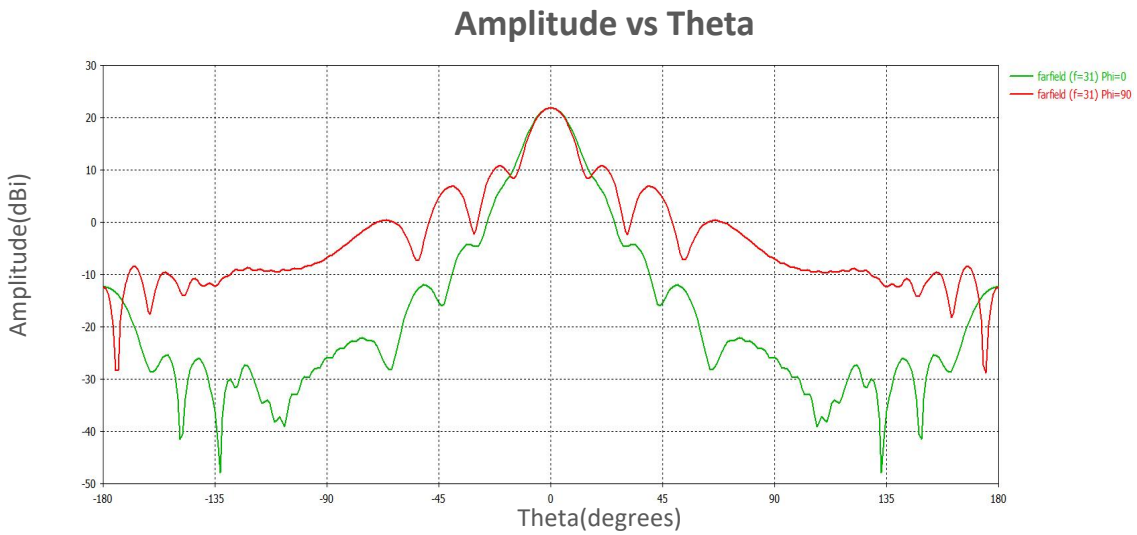


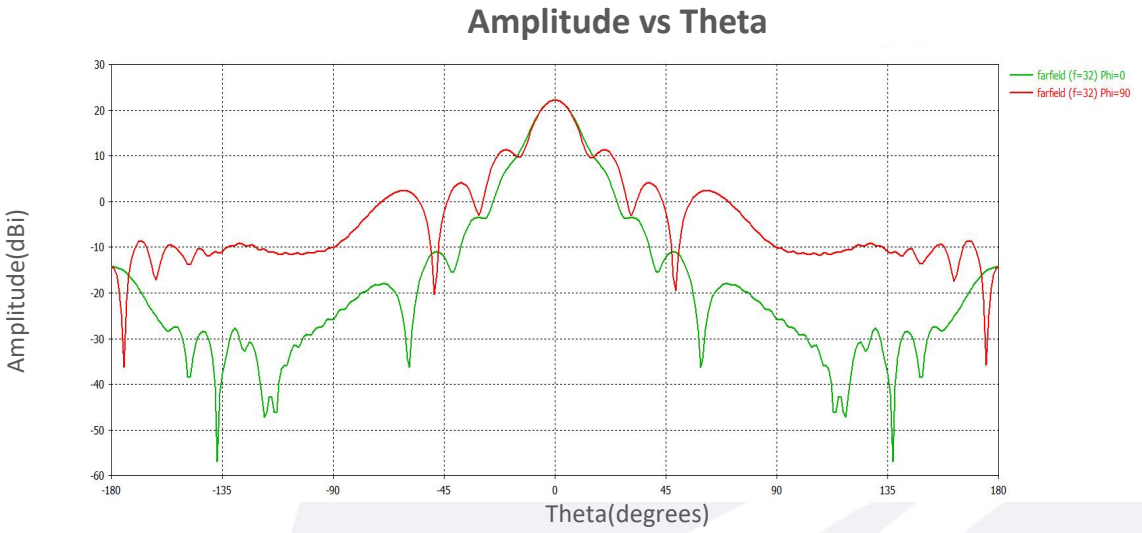


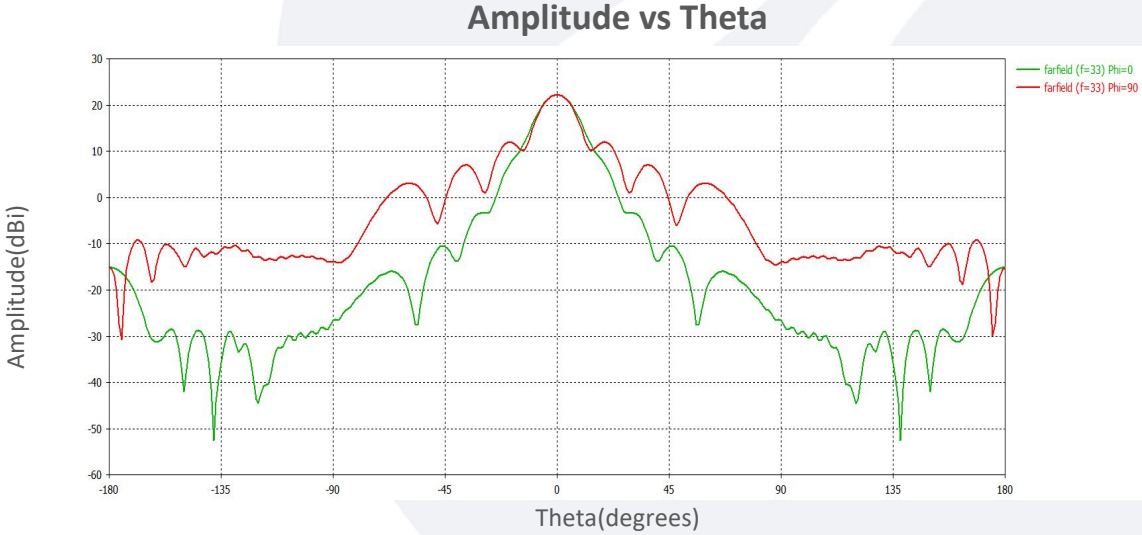
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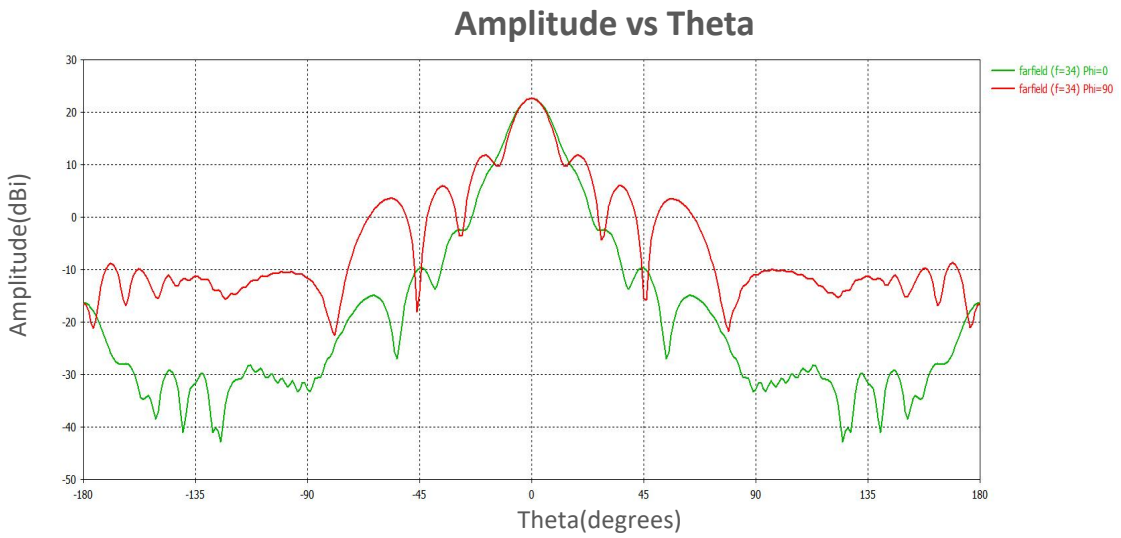


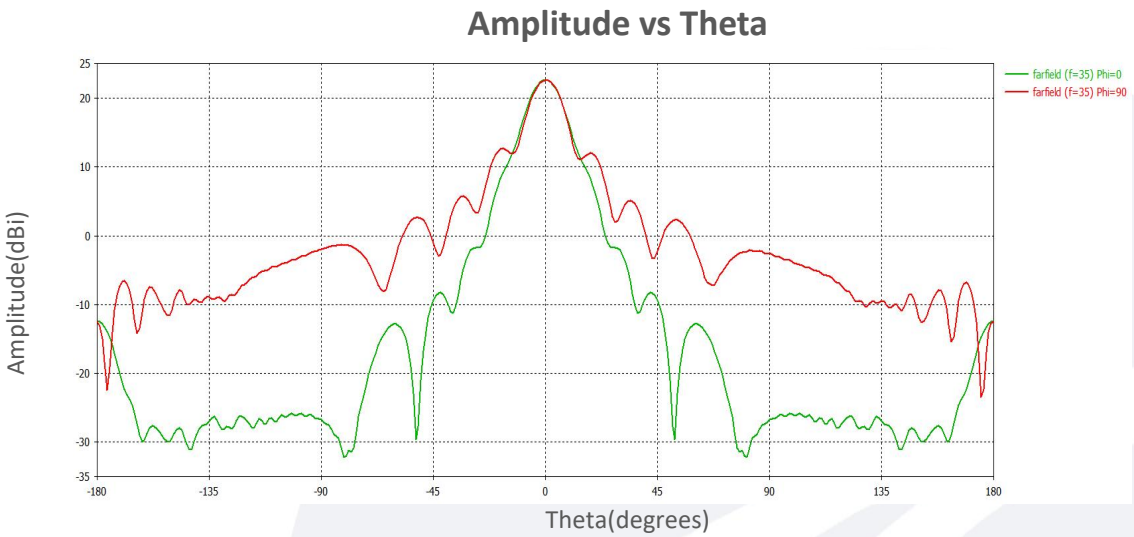


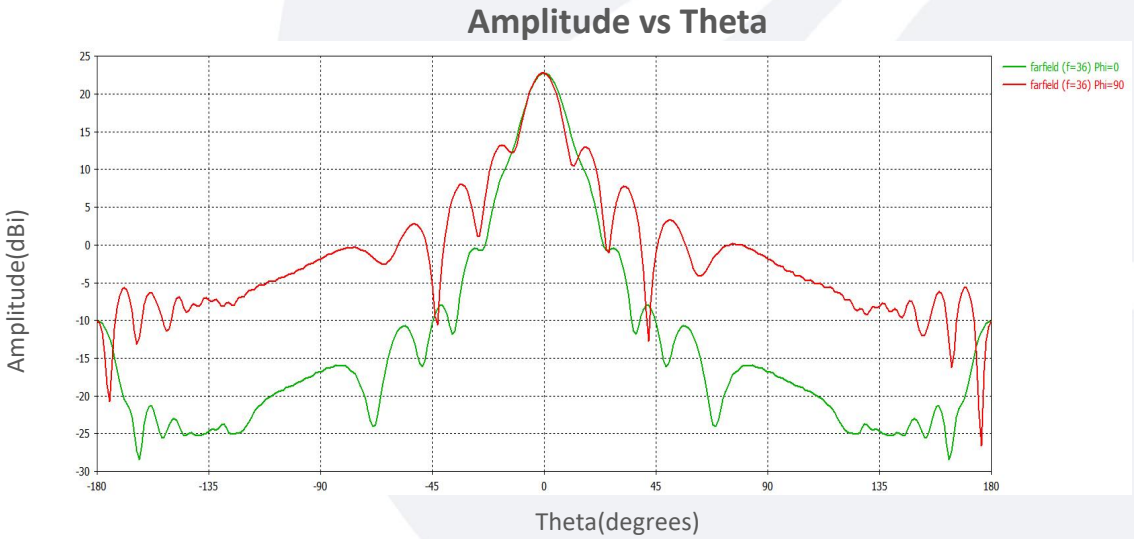
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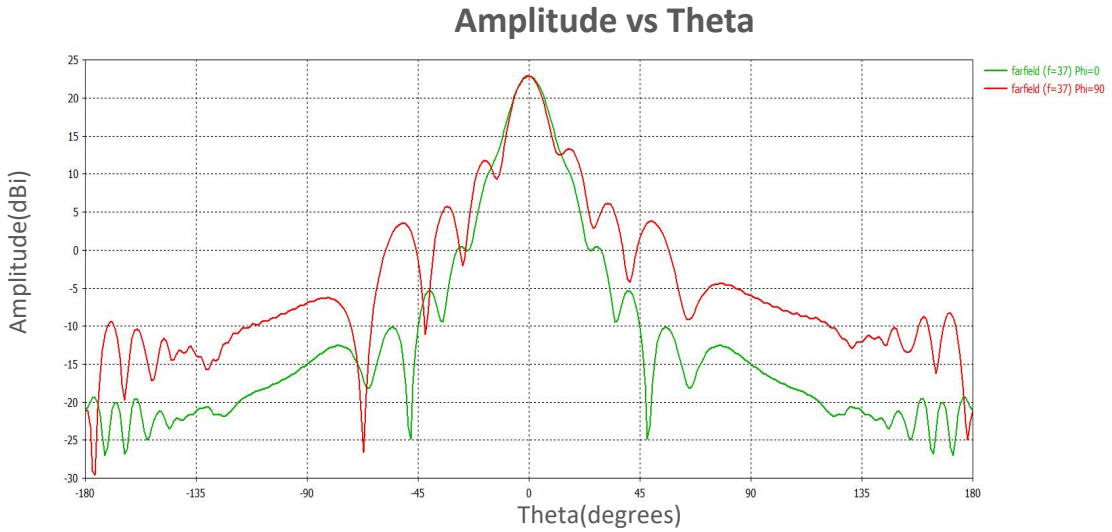


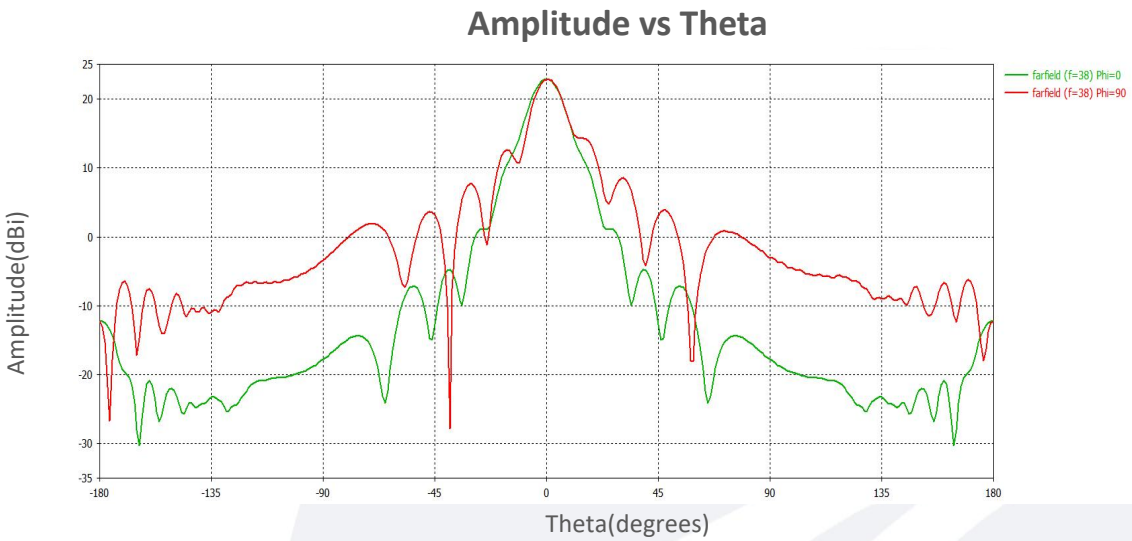


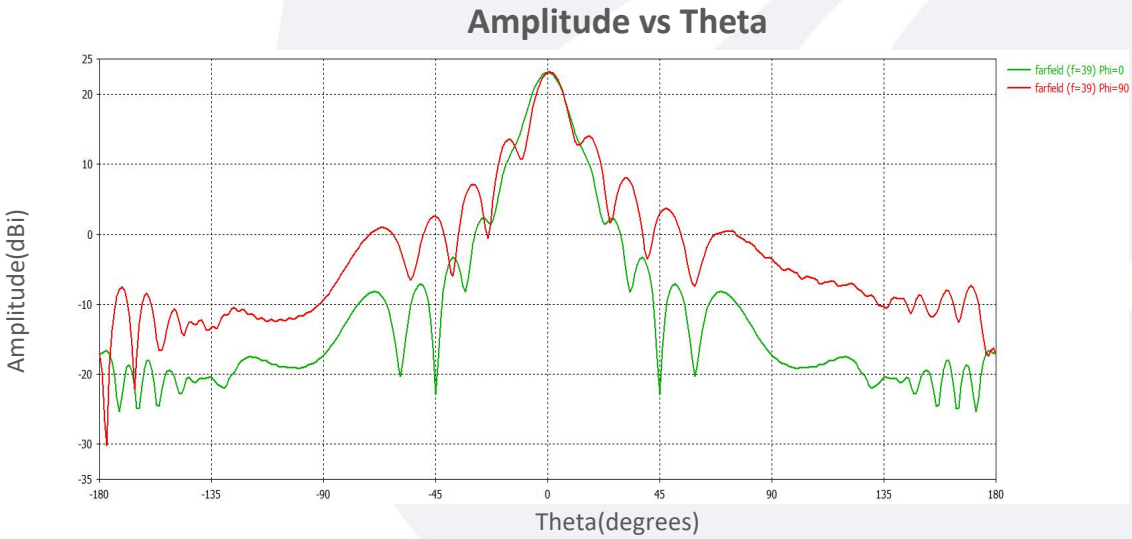
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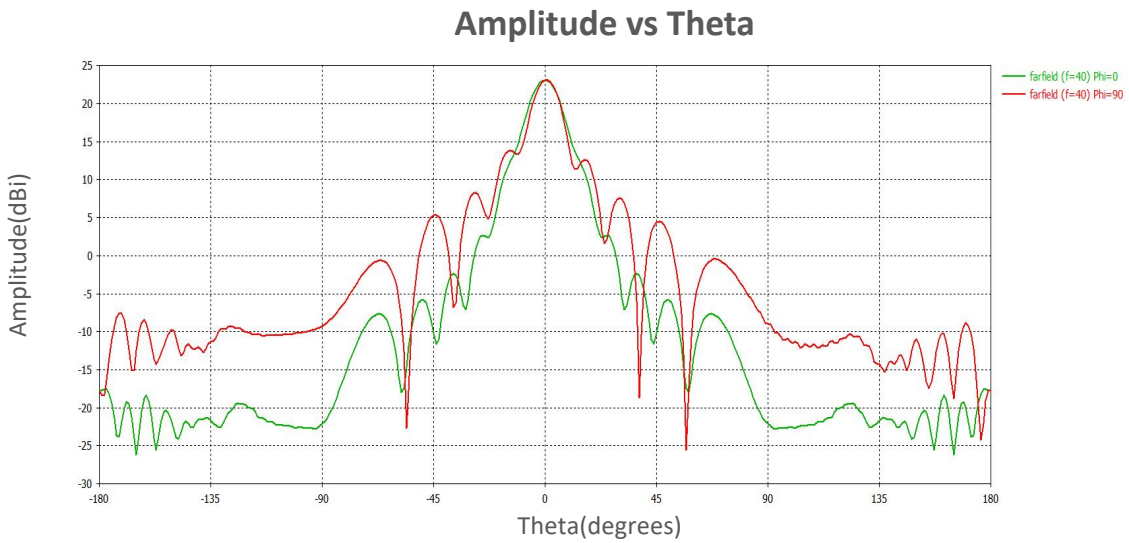




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