Suzhou Talent Microwave,Inc
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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

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	18		40	GHz
增益 Gain	18		23	dBi
极化方式 Polarization mode	Linear			
驻波 Input VSWR			1.75	:1

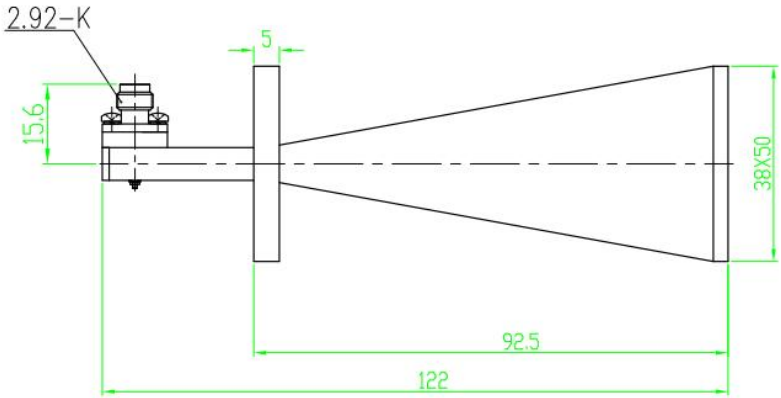
环境和机械特性 Envrionmental And Physical Characteristics:

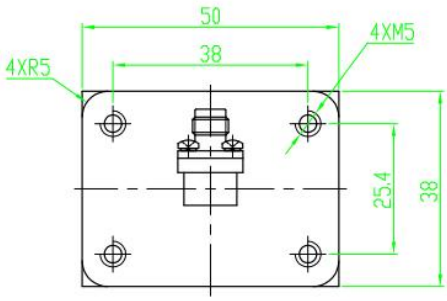
参数 Parameter	指标 Value	单位 Units
材质 Material	Brass	
表面处理 Finish	Silver plated	
接口 Connectors	2.92mm Female	
尺寸 Size	122*50*38	mm

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外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm





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

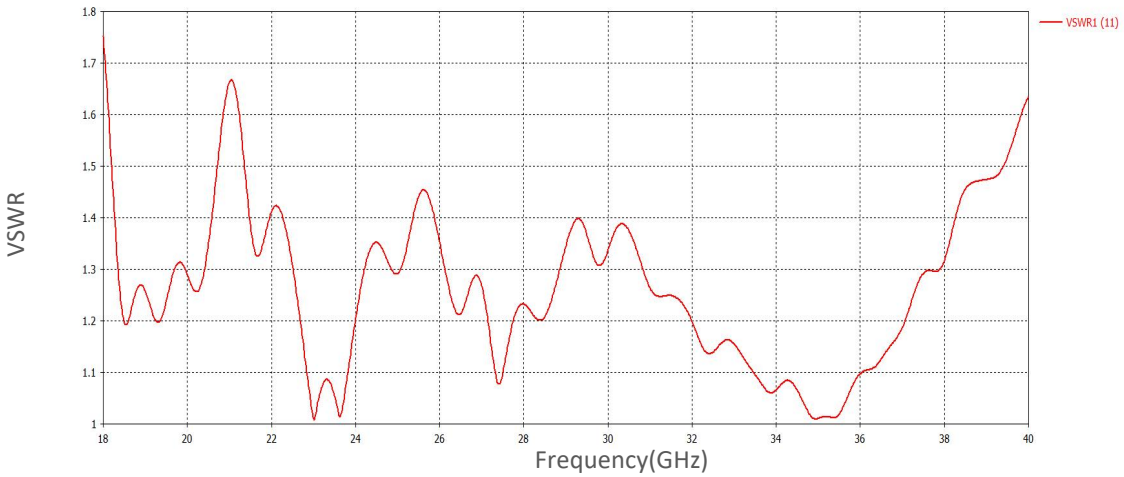
订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TL-180400HA16K	Broadband Horn Antenna, 18-40GHz,Gain: 18dBi Min.	Rev.1.0

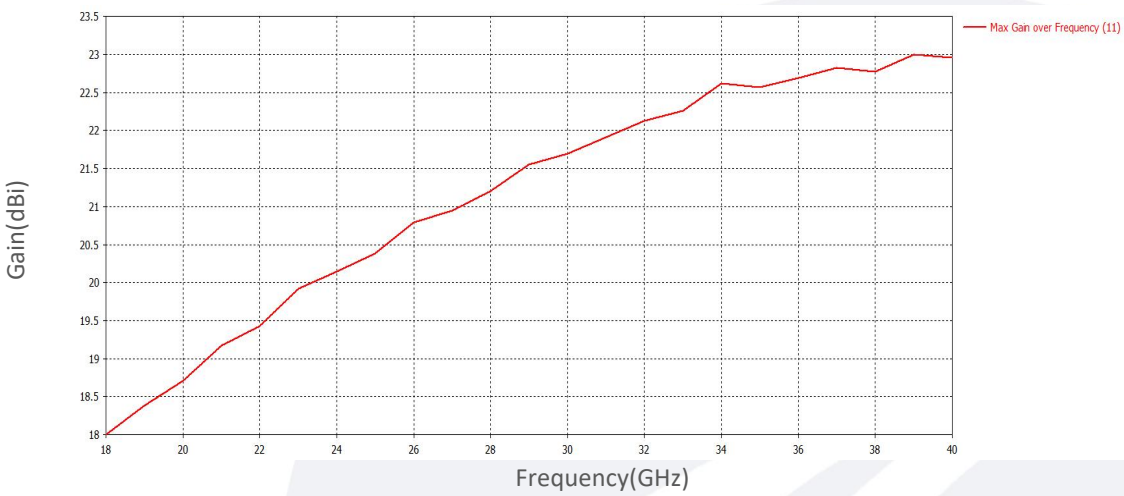
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典型曲线 Typical Performance Data:

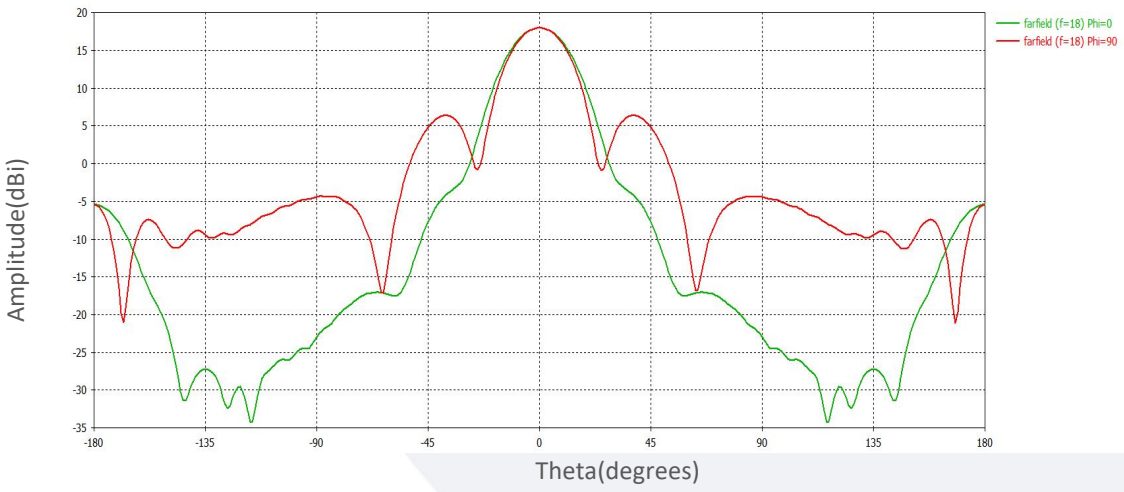
VSWR vs Frequency



Gain vs Frequency



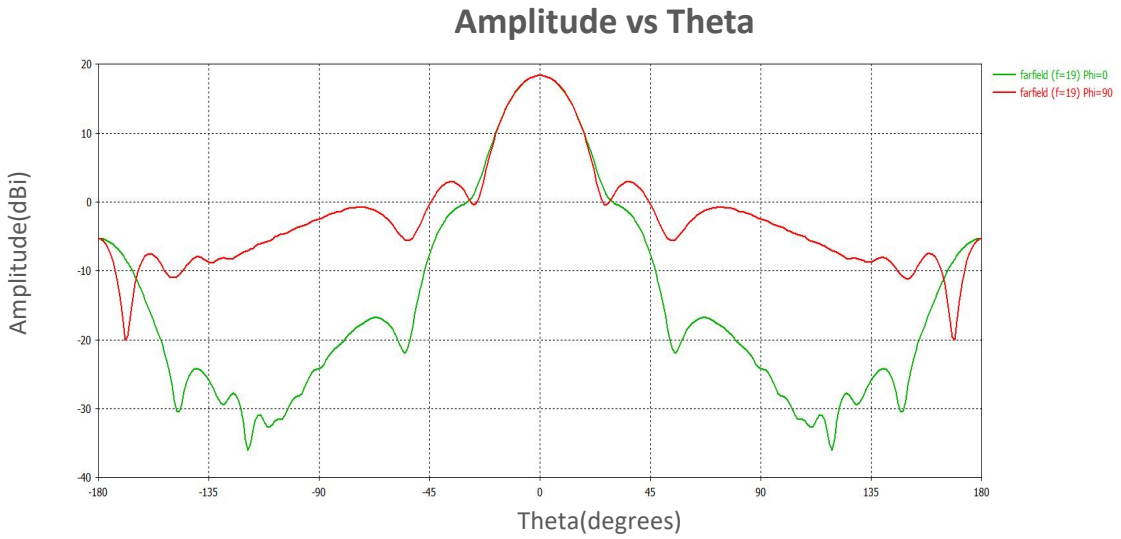
Amplitude vs Theta

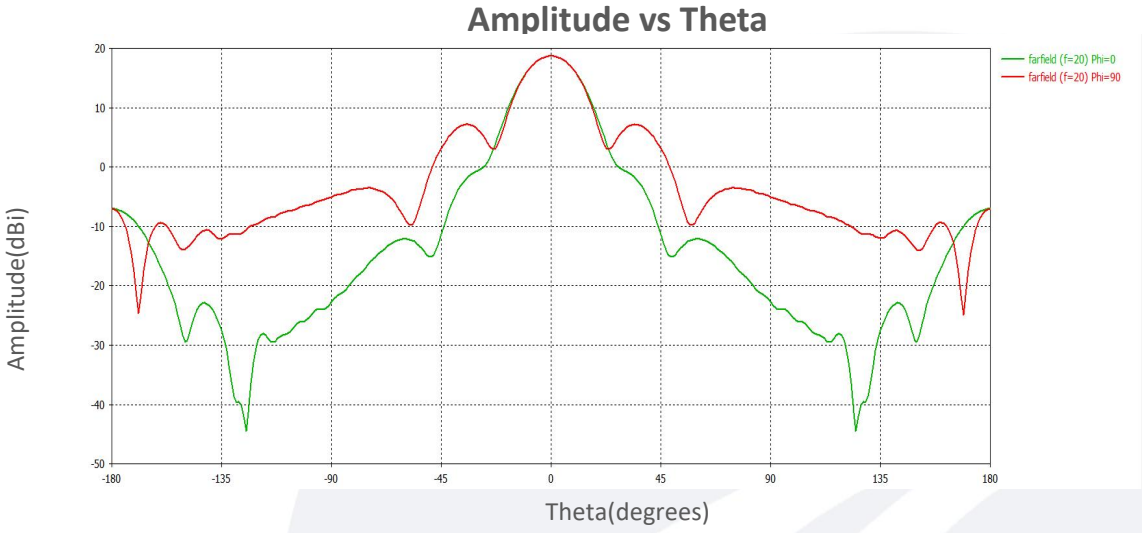


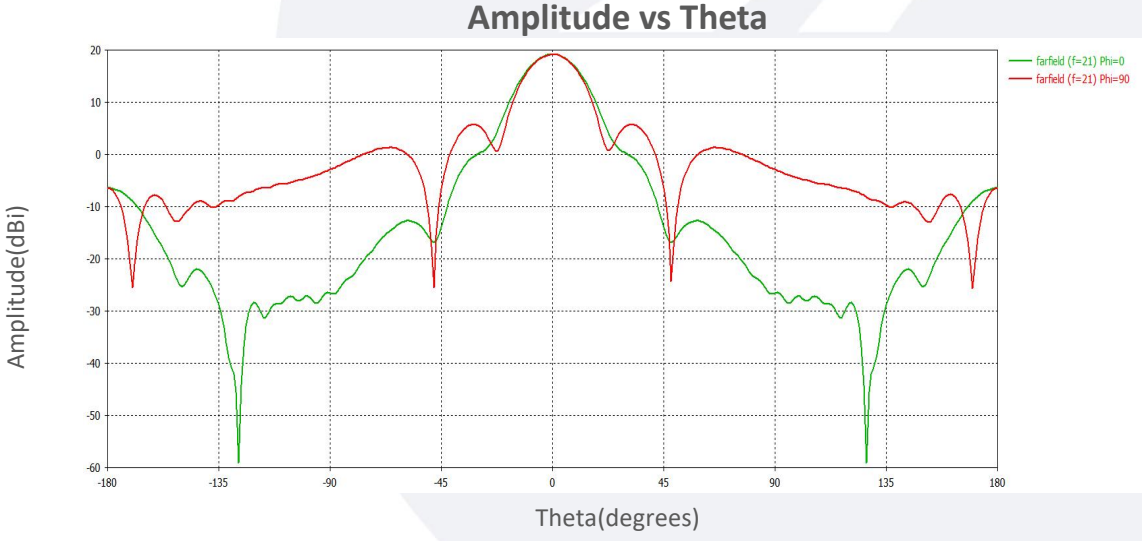
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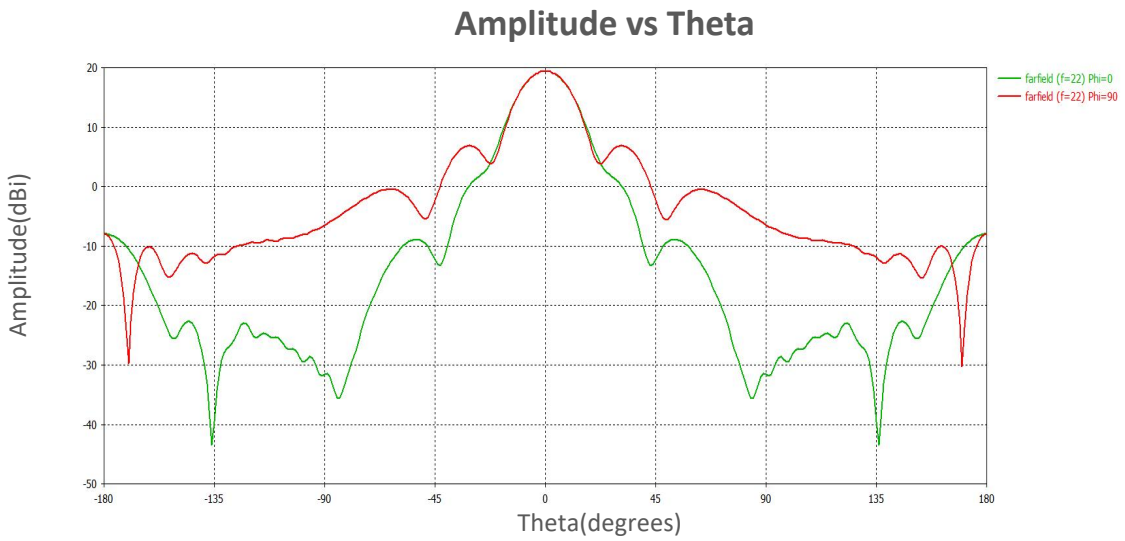


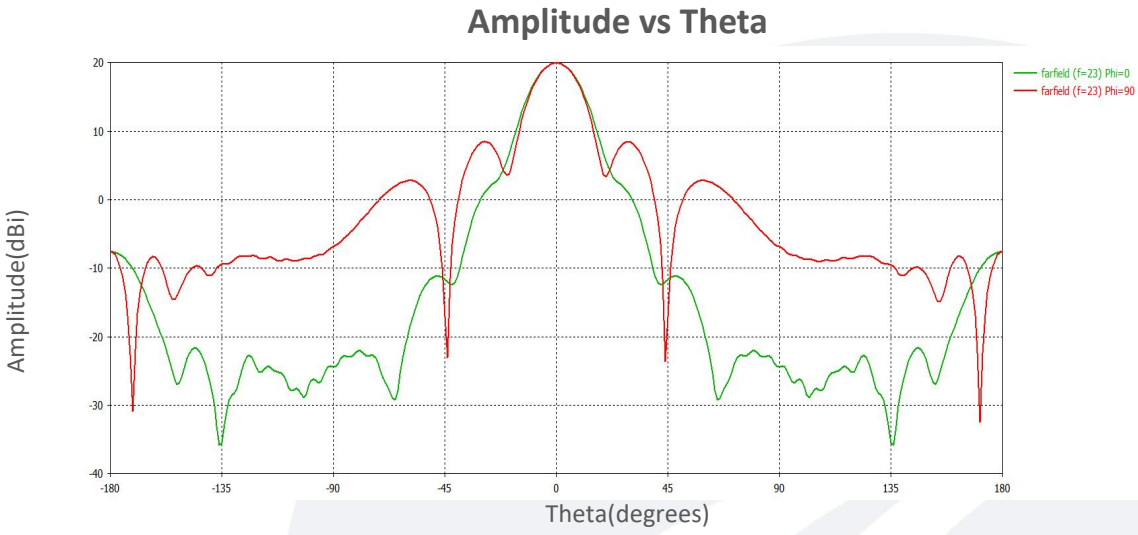


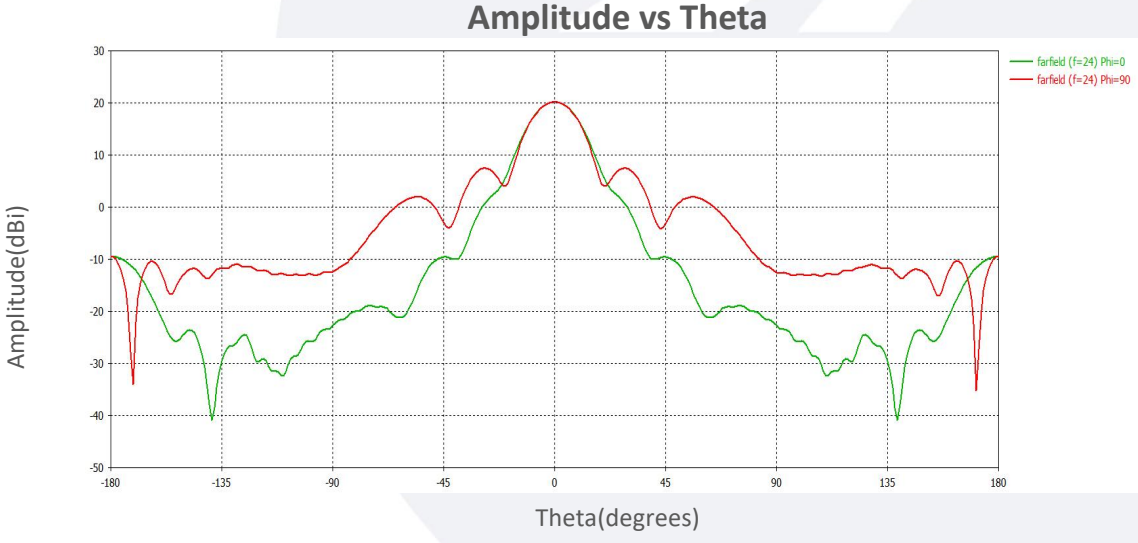
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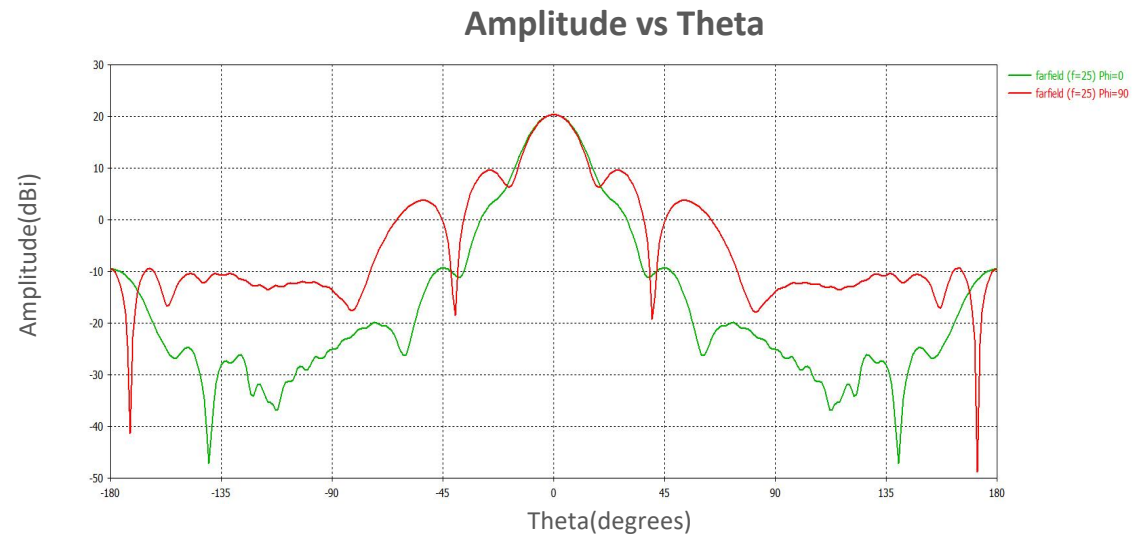


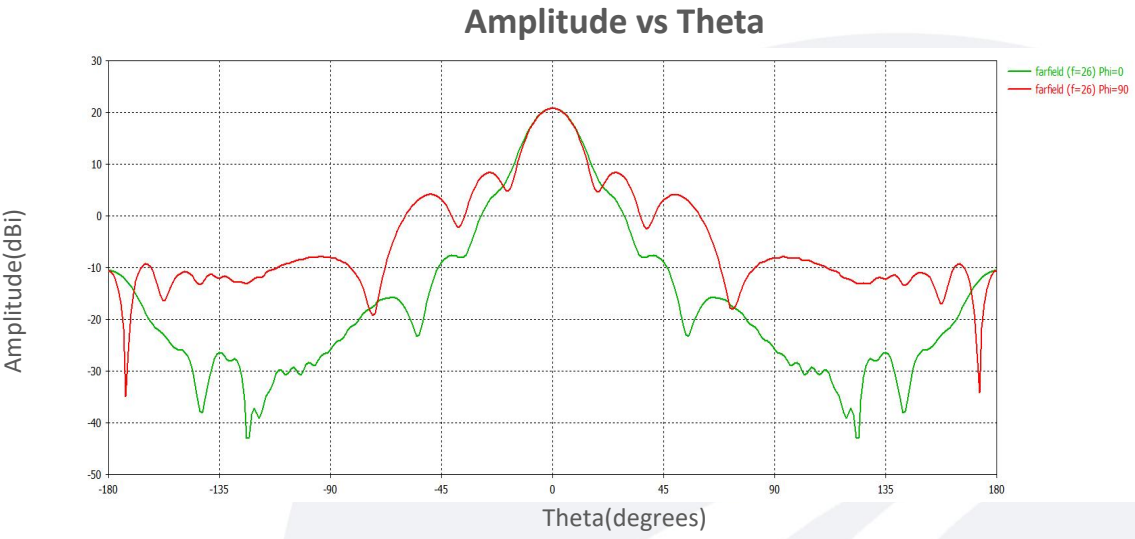


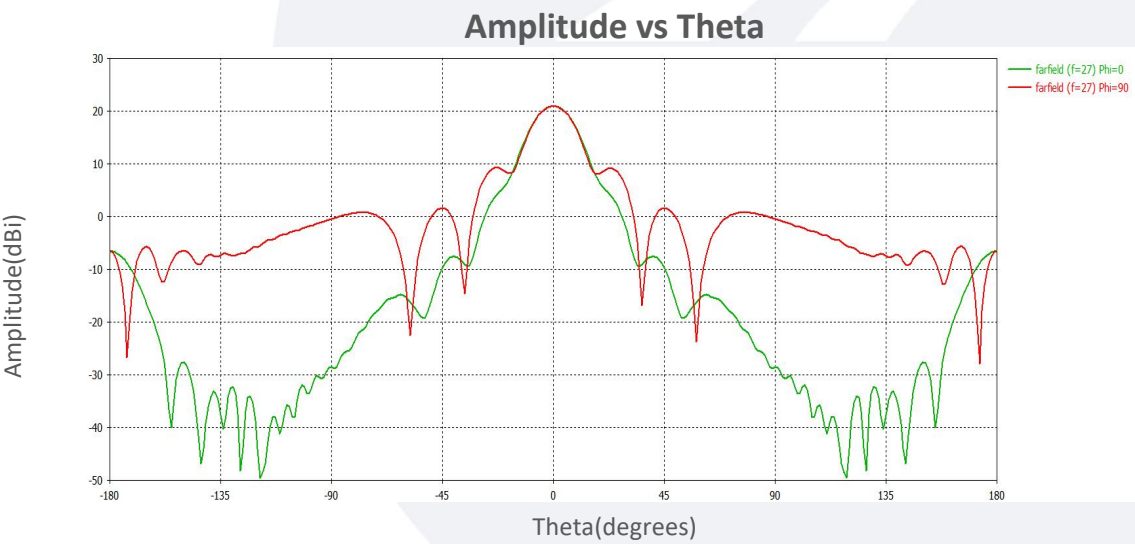
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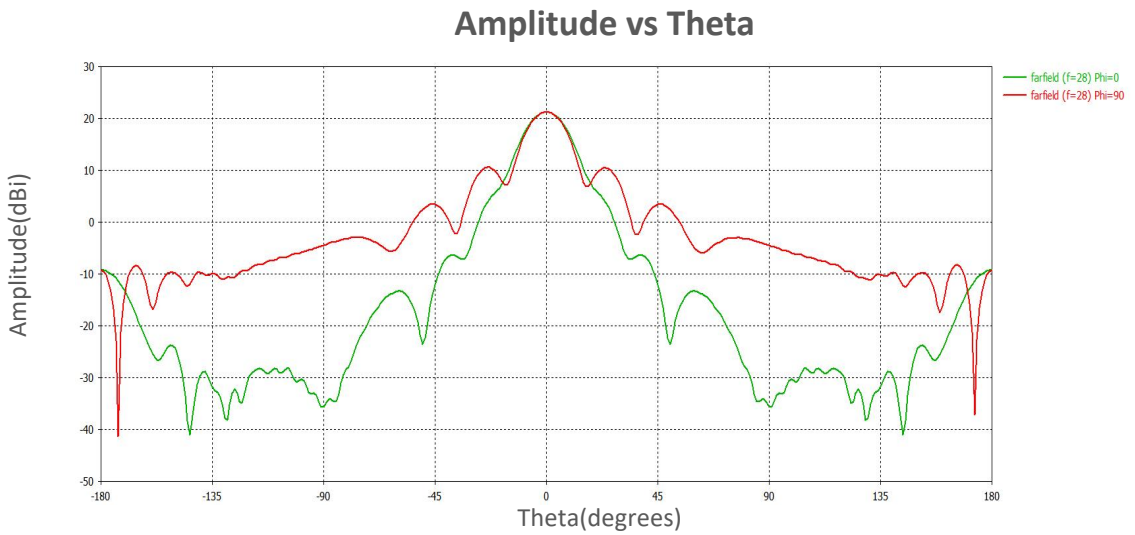


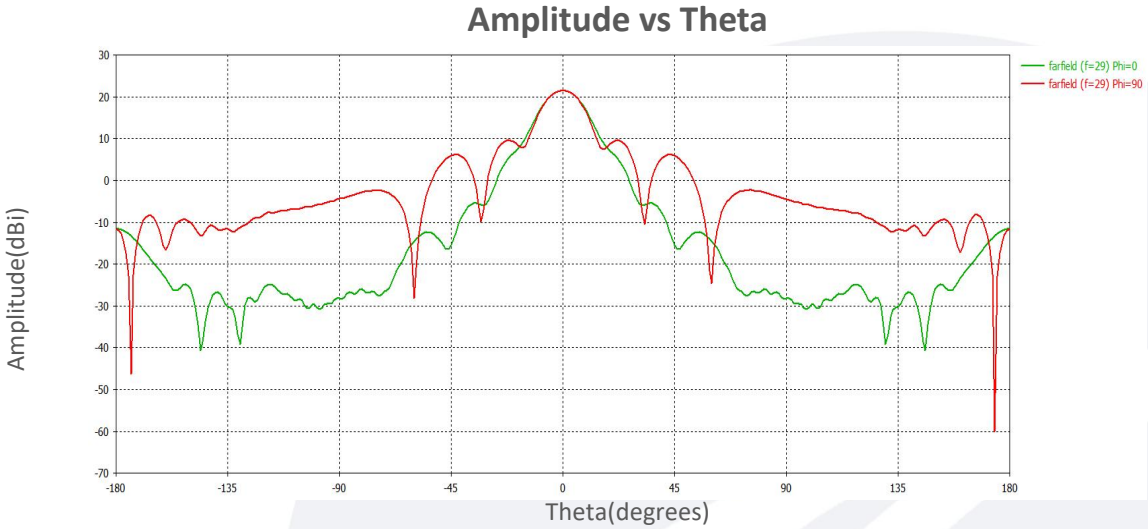


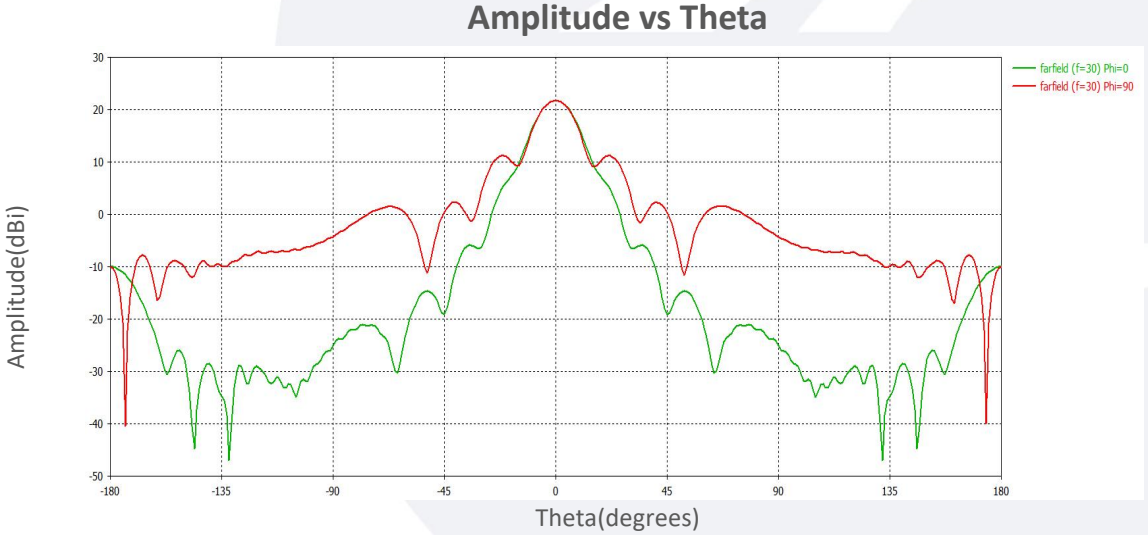
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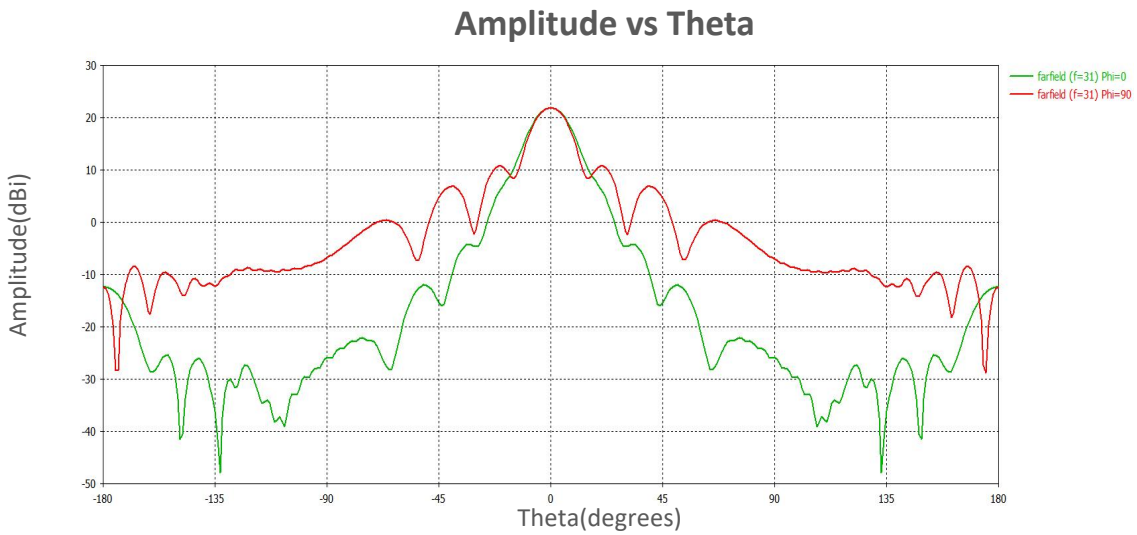


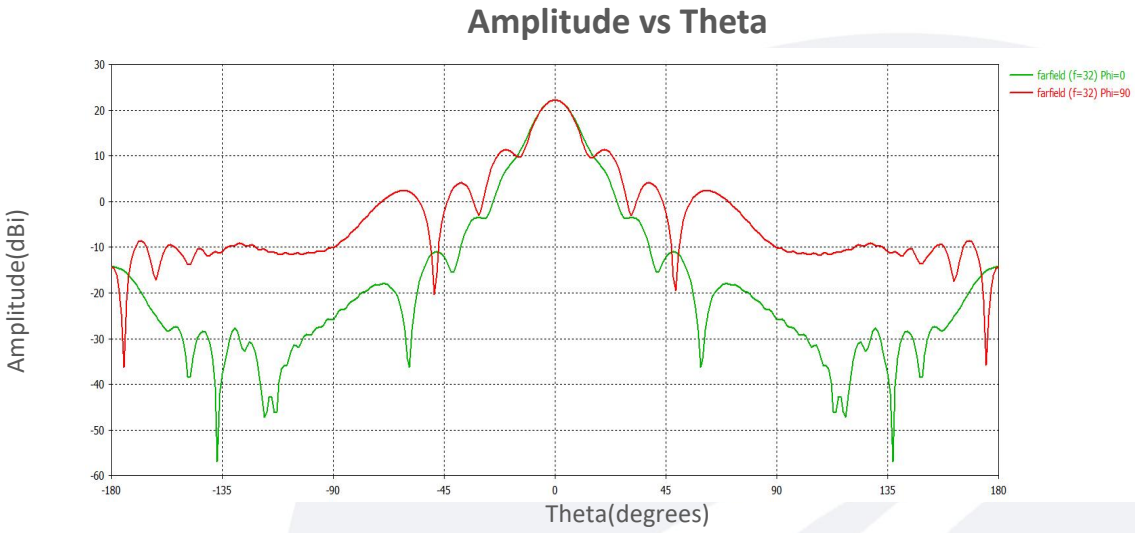


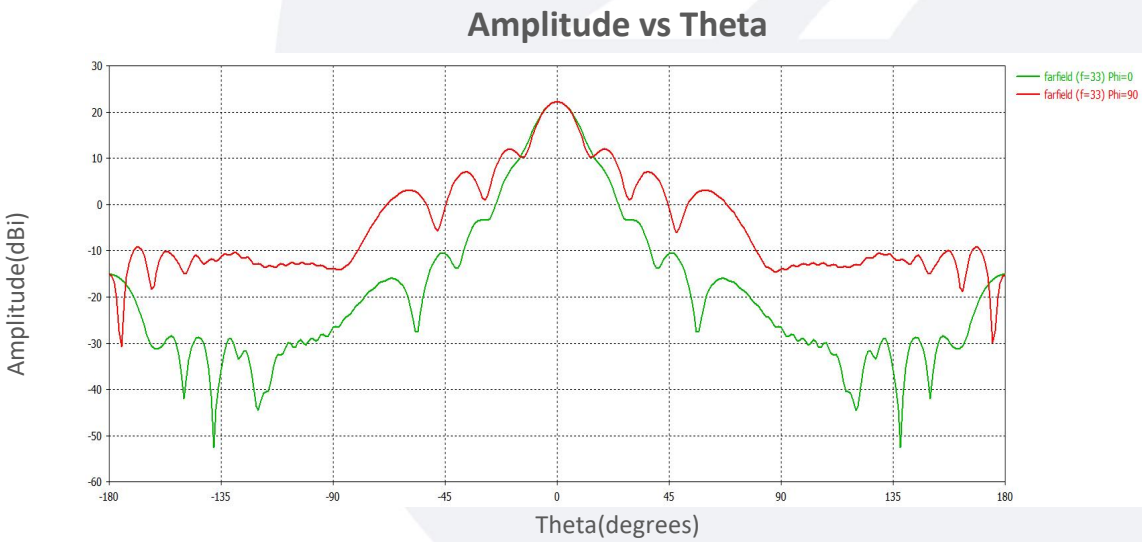
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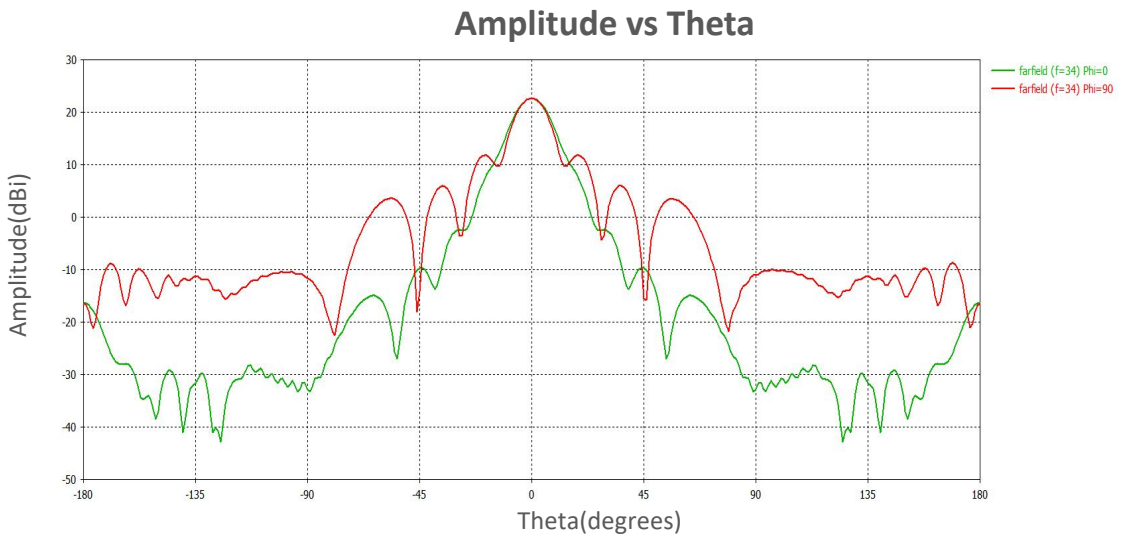


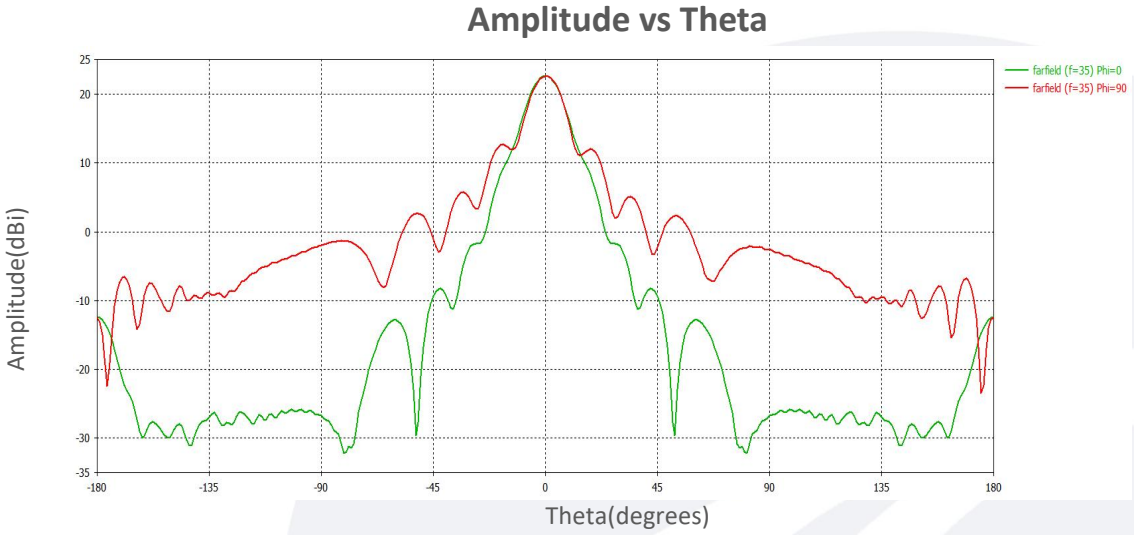


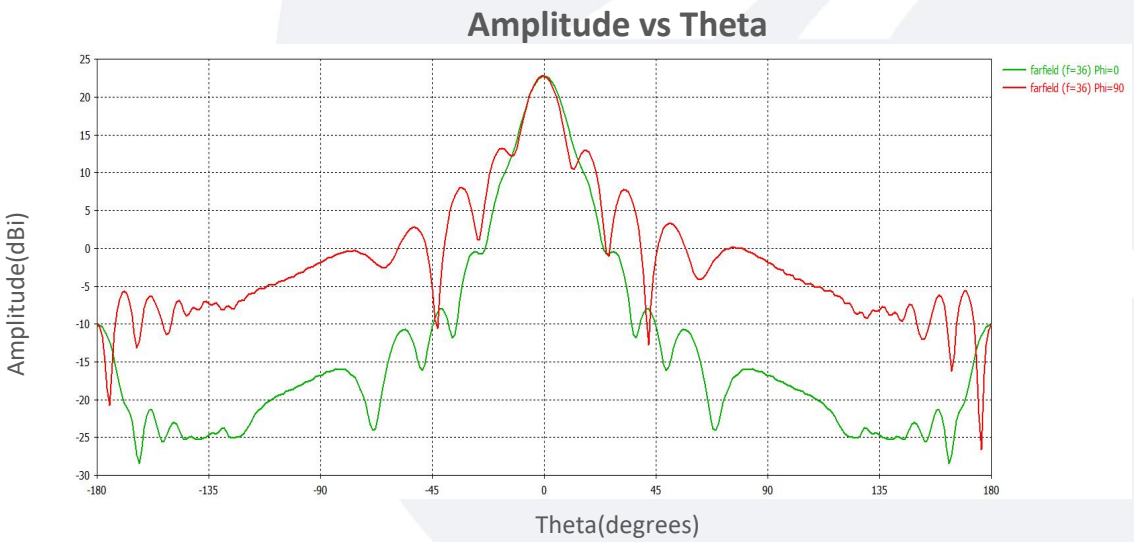
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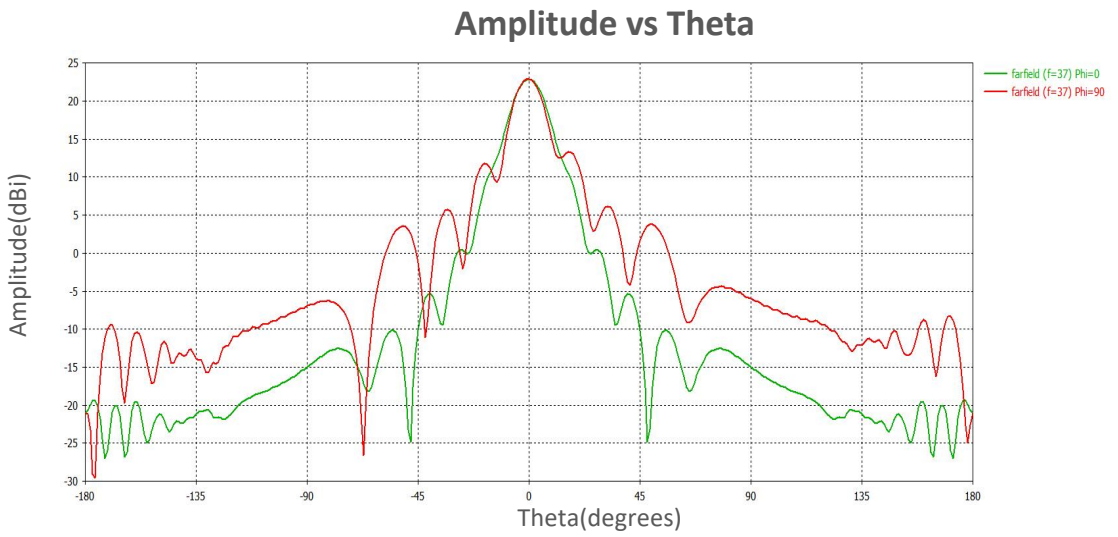


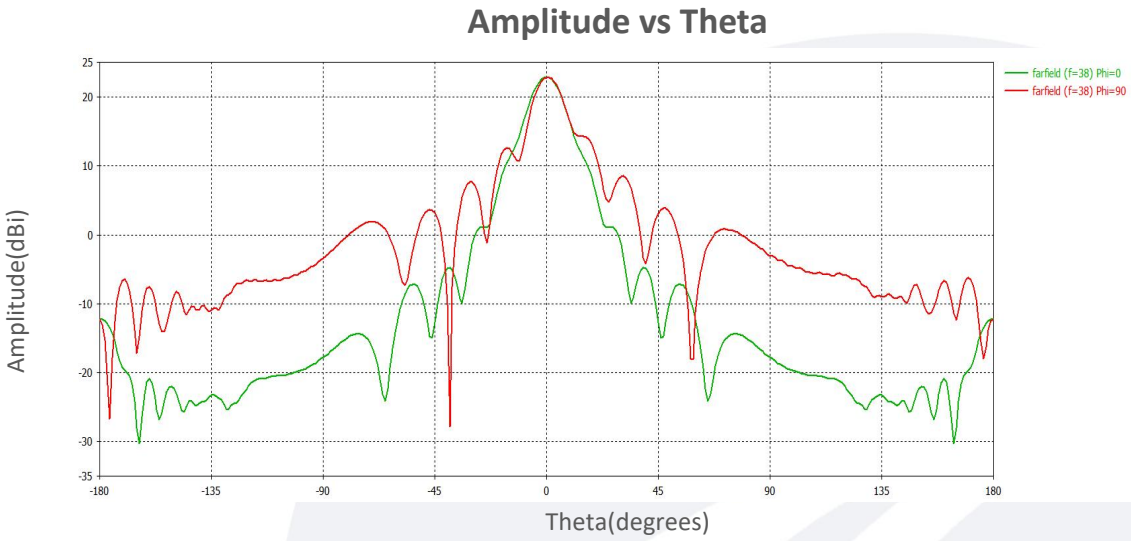


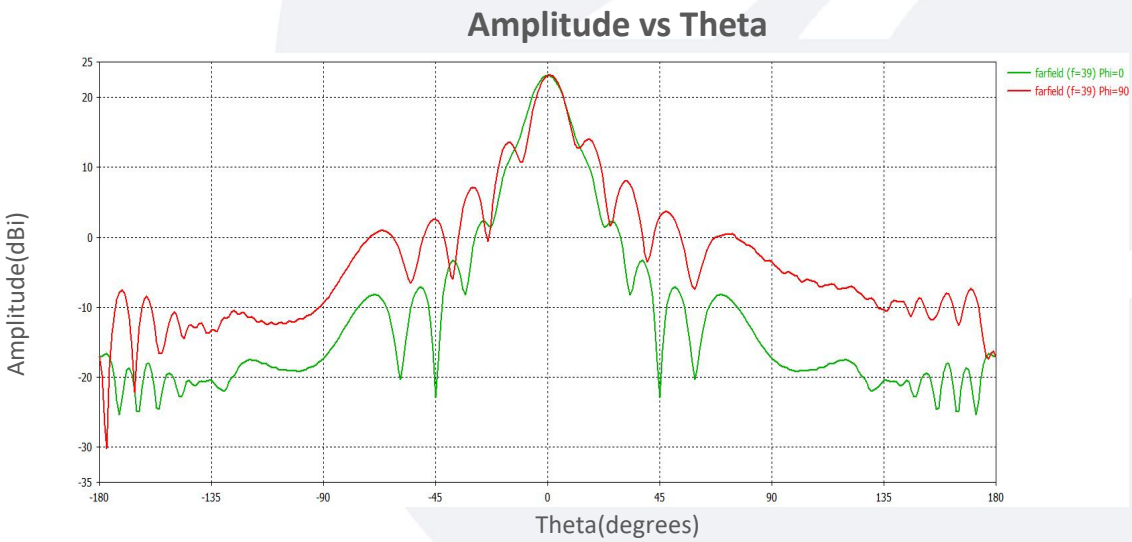
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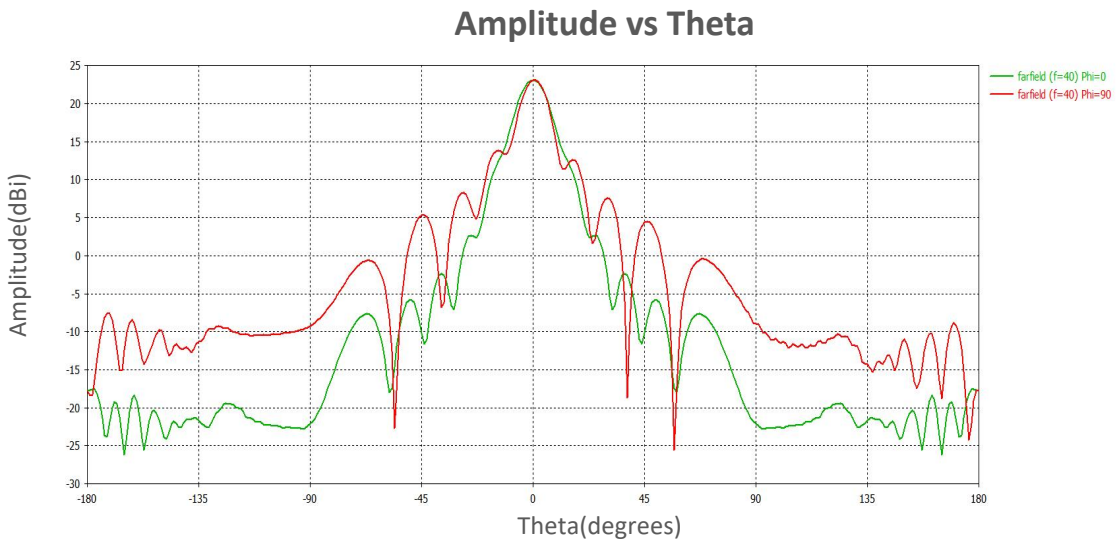




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