

Dual Polarized Horn Antenna

2.92mm Female/6-18GHz/20dBi Typ, Gain

Model:TL-60180DPHA20K

TL-60180DPHA20K is a dual polarized horn antenna that operates from 6 to 18GHz, The antenna offers 20dBi typical gain. The antenna VSWR is 1.5:1 typical. The antenna cross pol. isolation is typical 30 dB. The antenna RF ports is 2.92mm female. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Features:

- Operating Frequency 6 to 18GHz
- Gain: 20dBi Typ
- Dual Linear Polarization

Applications:

- Radar Systems
- Communication Systems

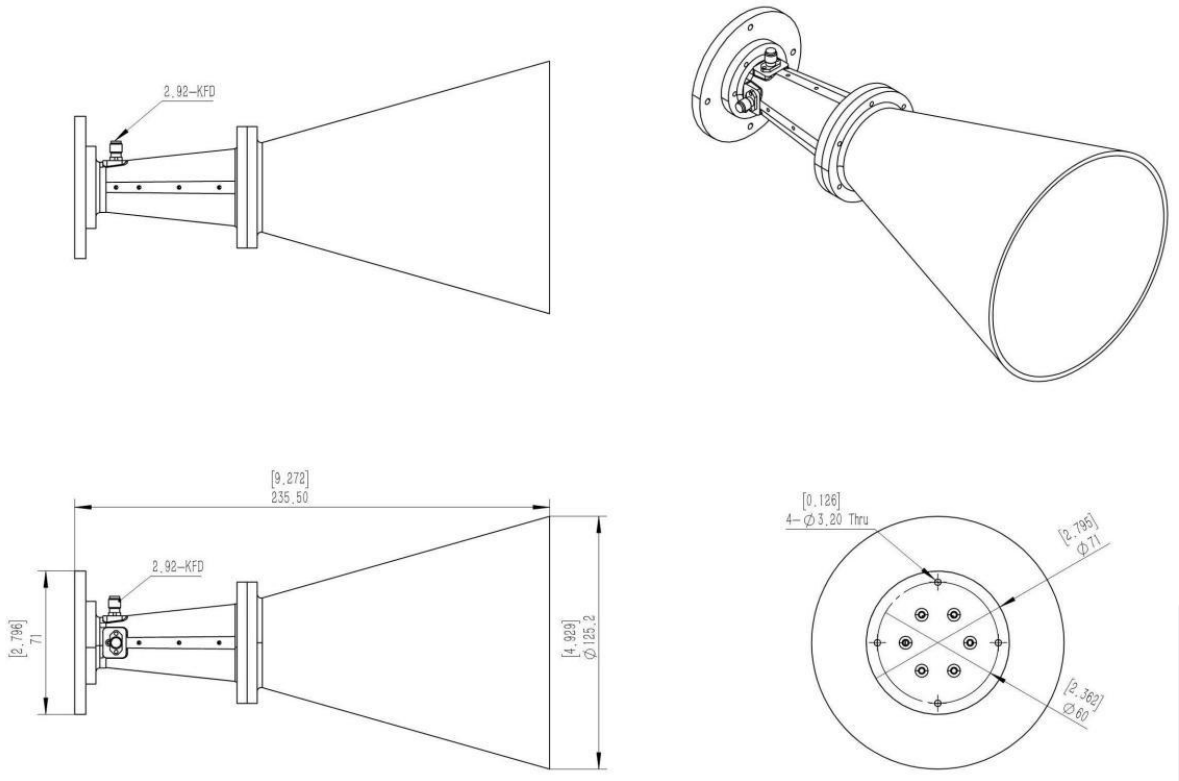

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	6		18	GHz
增益 Gain		20		dBi
极化方式 Polarization mode	Dual Linear			
驻波 Input VSWR		1.5		:1
交叉极性隔离 Cross Pol. Isolation		30		dB
耐功率 Power Handling	CW: 20 Typ; Peak: 40 Typ			W

机械特性 Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
表面处理 Finish	Paint Black	
接口 Connectors	2.92mm Female	
尺寸 Size	235.5* ϕ 125.2	mm
重量 Weight	0.456	Kg

外形图 Outline Drawing: Unit:mm

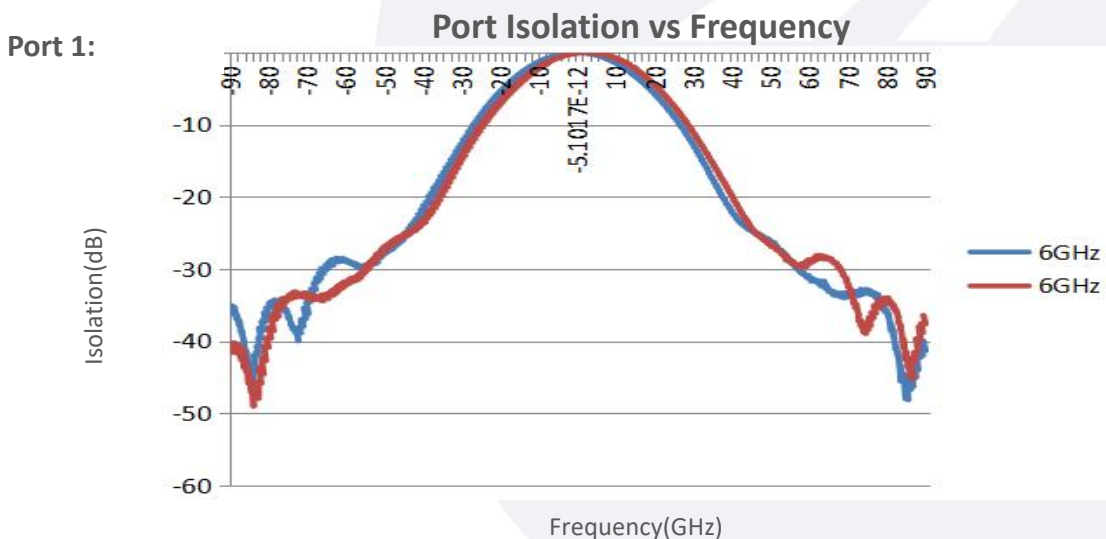
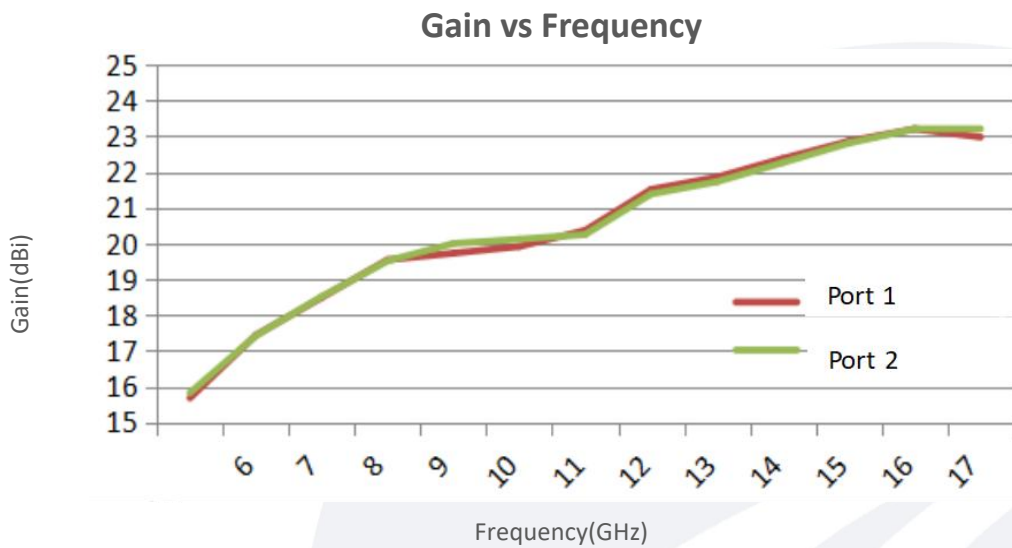
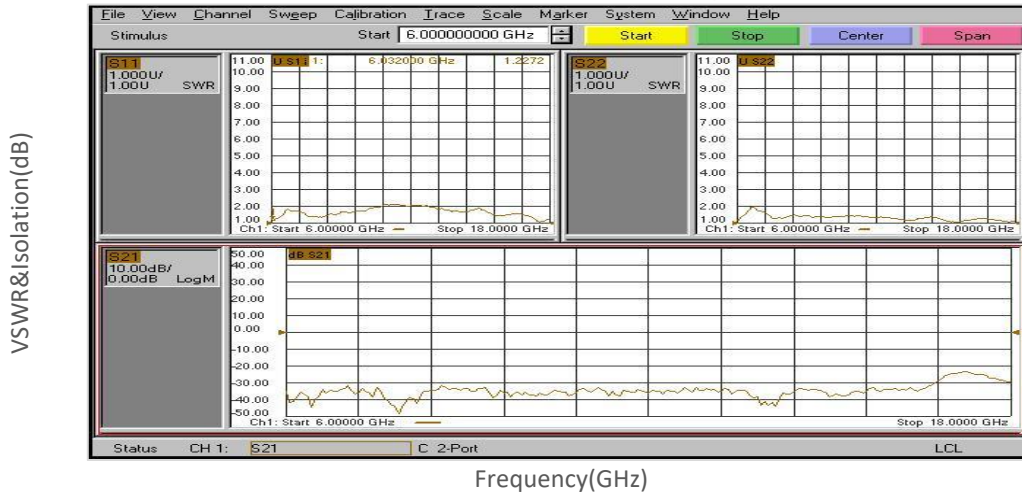
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TL-60180DPHA20K	Dual Polarized Horn Antenna, 6-18GHz, Gain: 20dBi Typ, 2.92mm Female	Rev.1.1

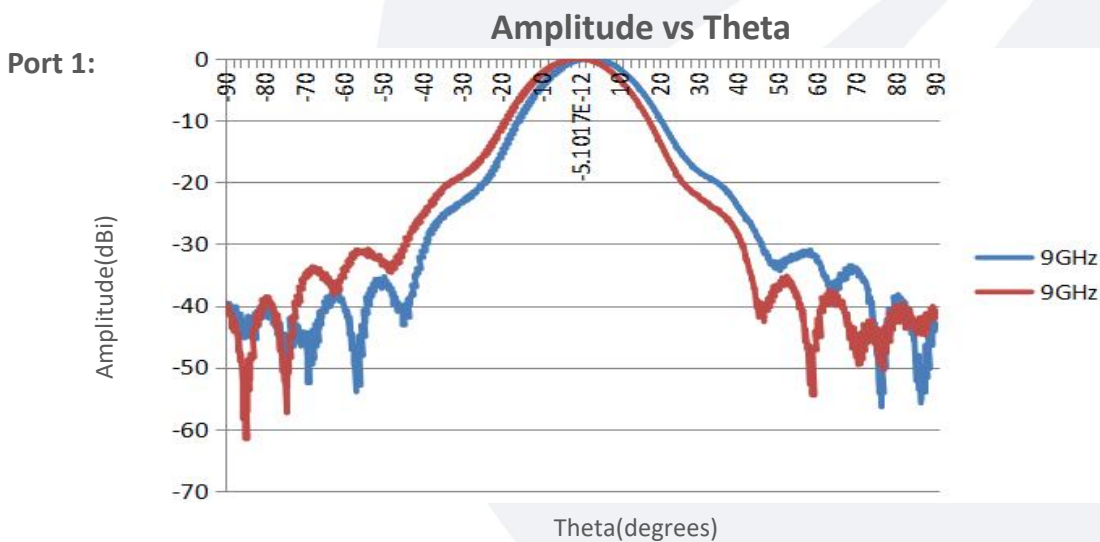
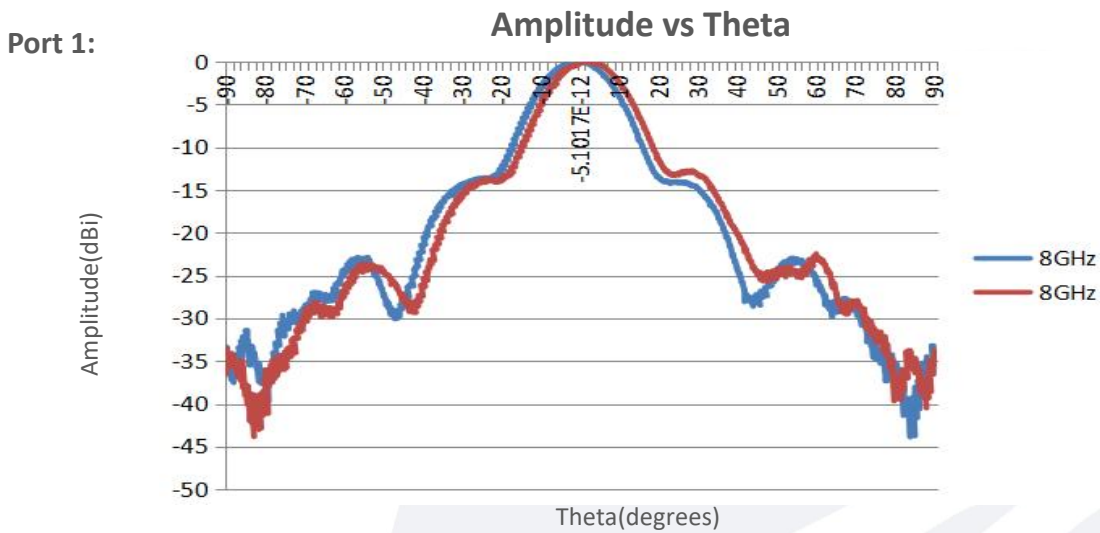
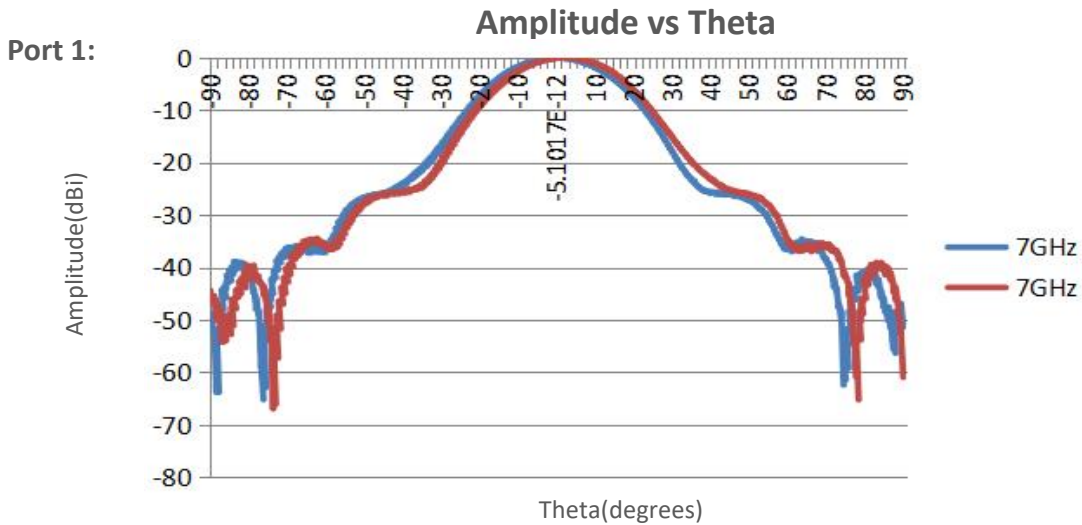
典型曲线 Typical Performance Data:

VSWR&Isolation vs Frequen



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.

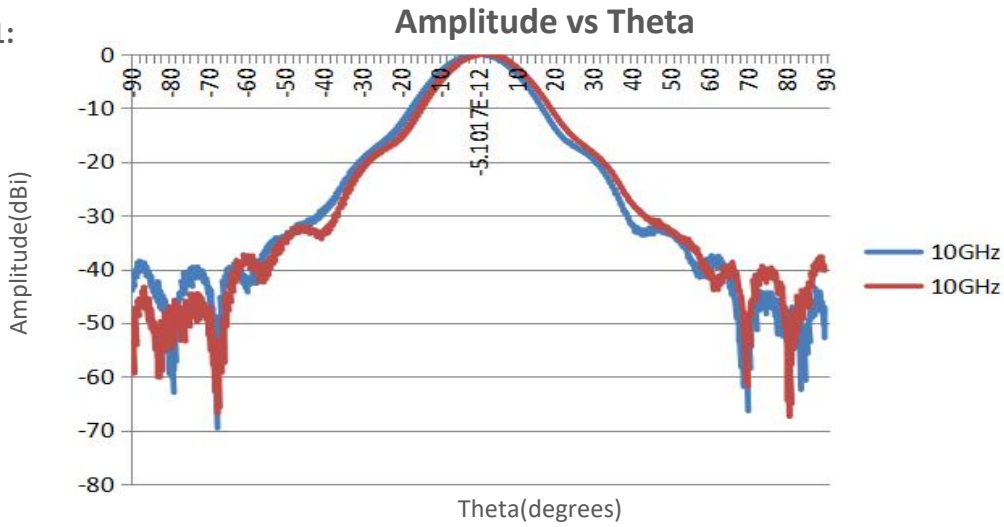
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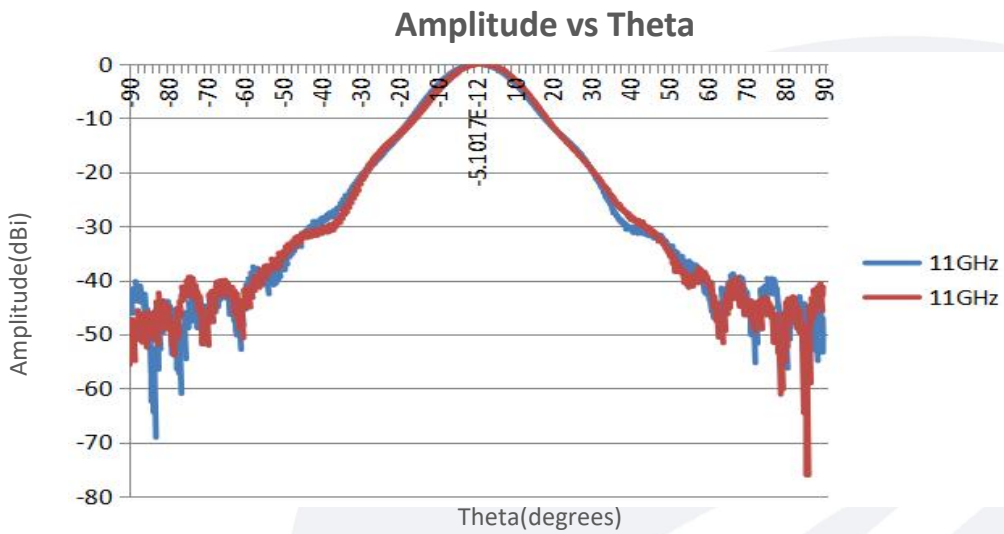
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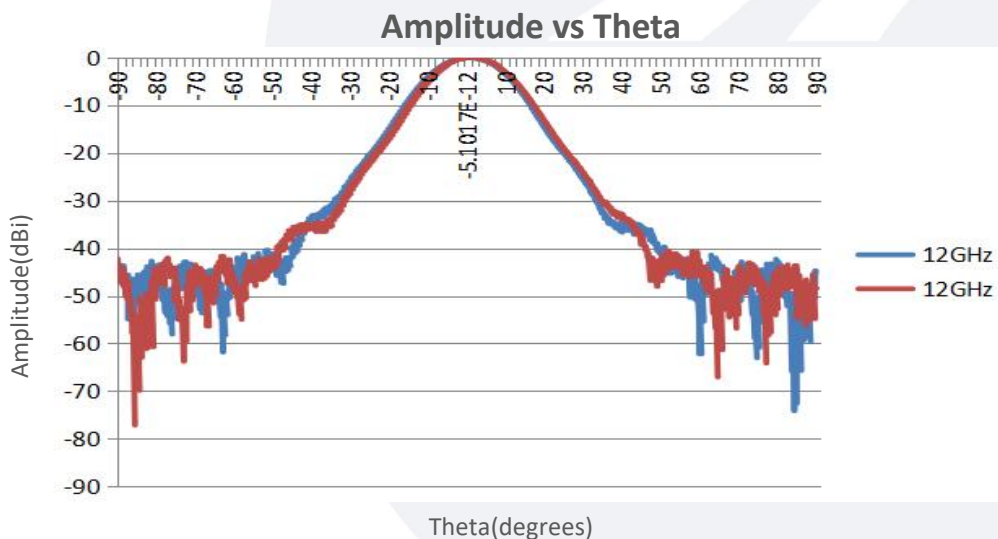
Port 1:



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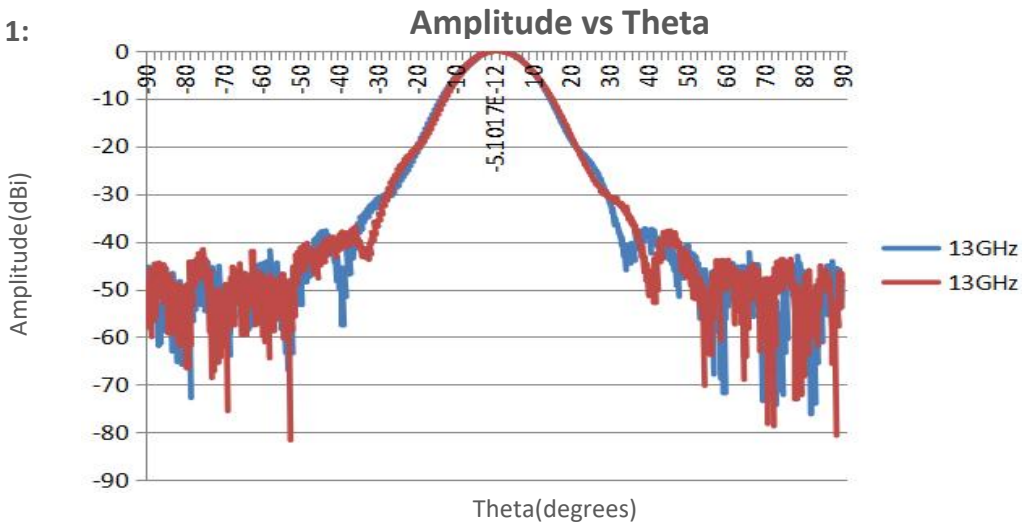
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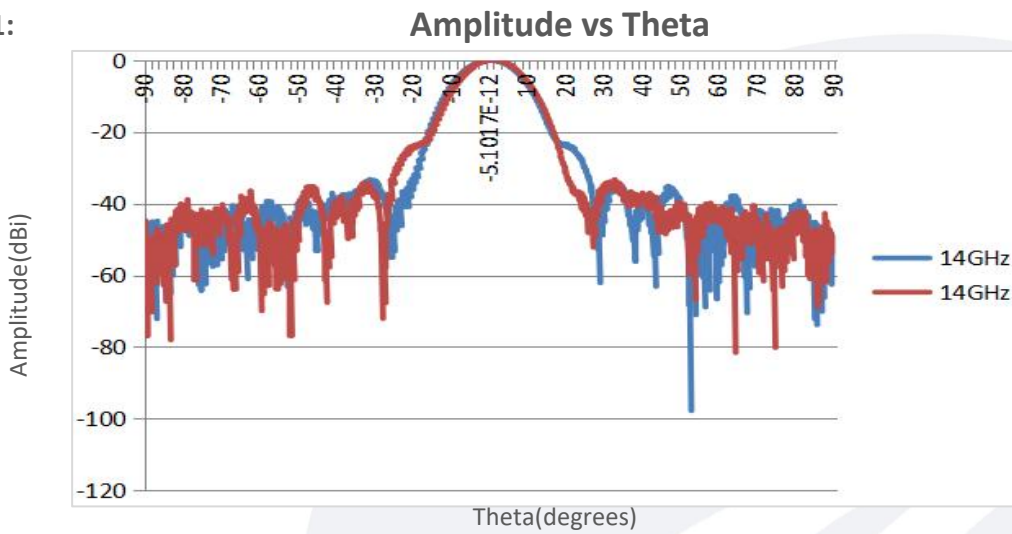
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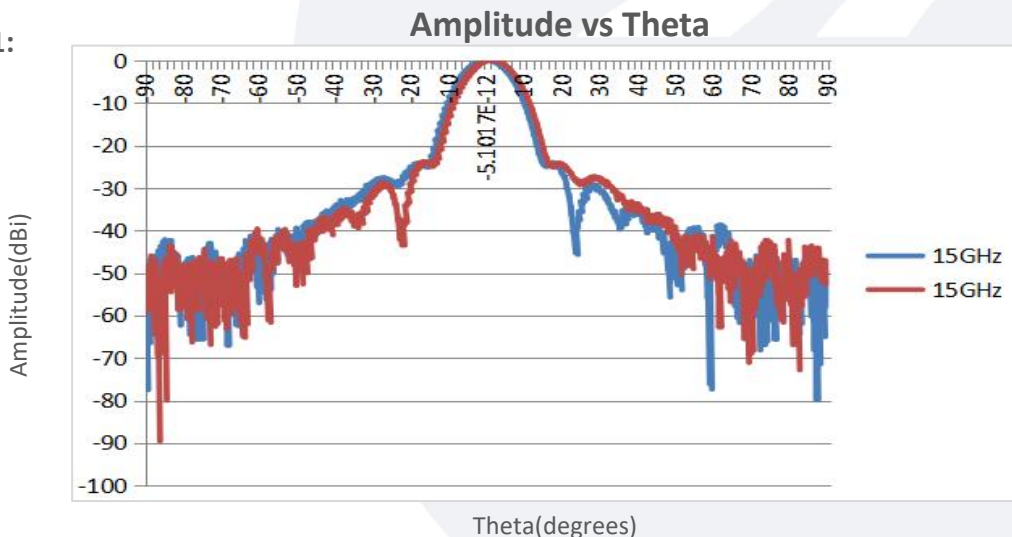
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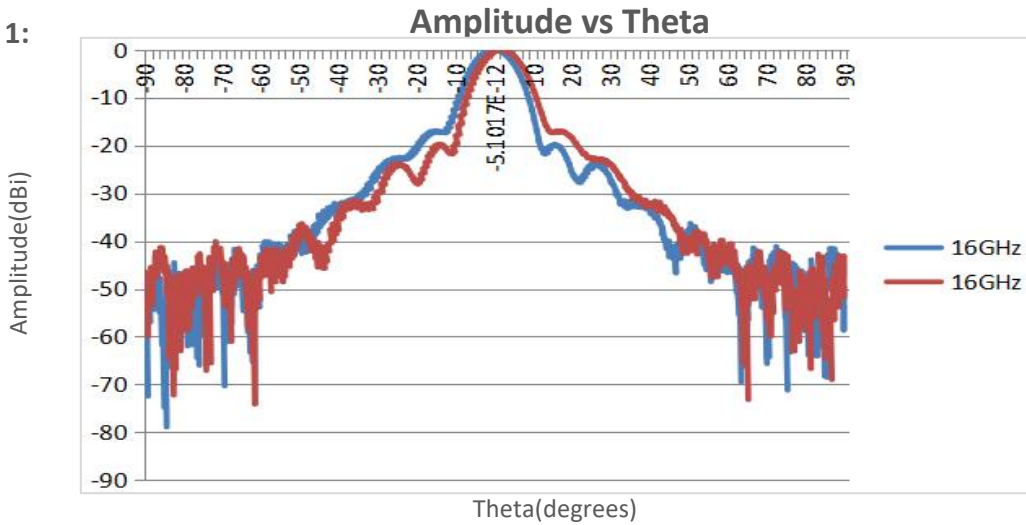
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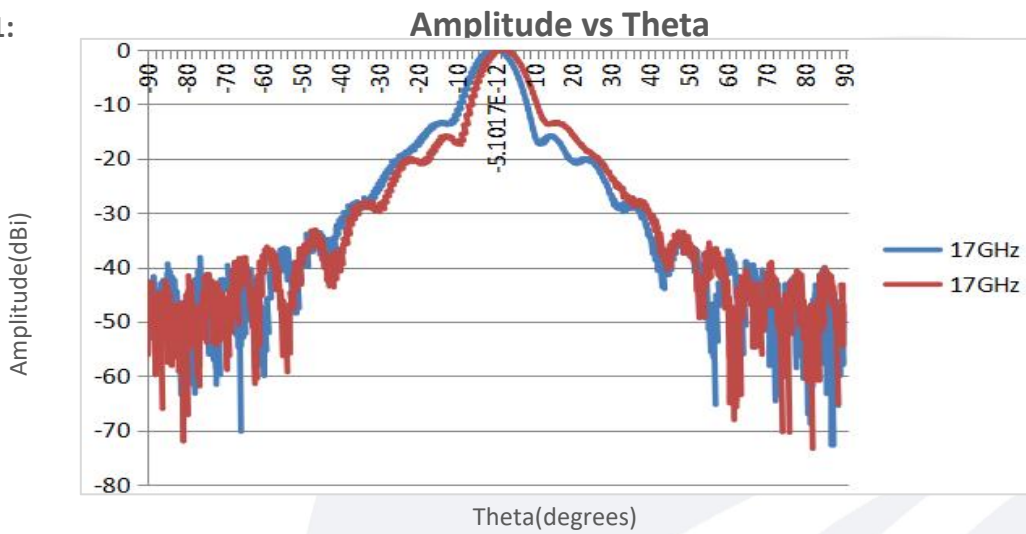
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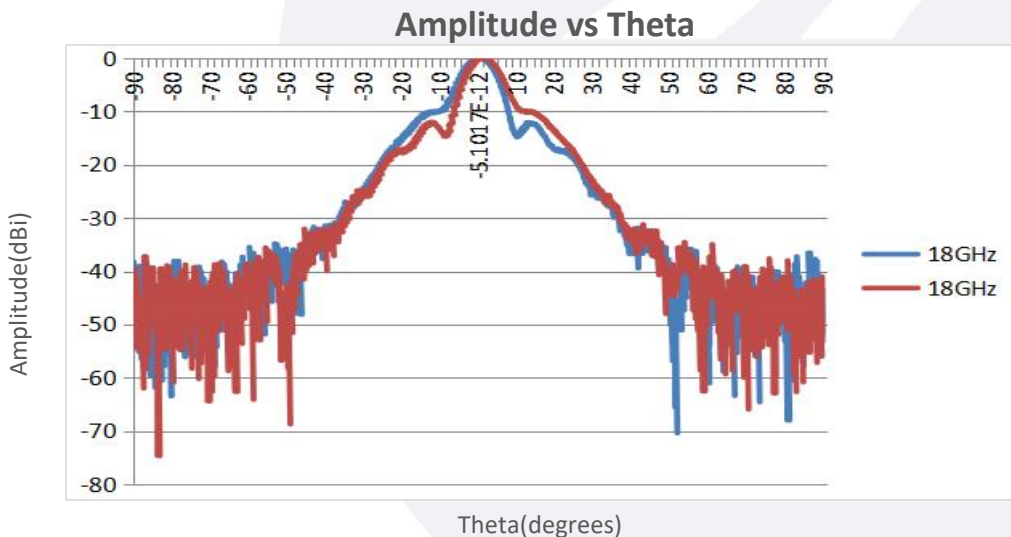
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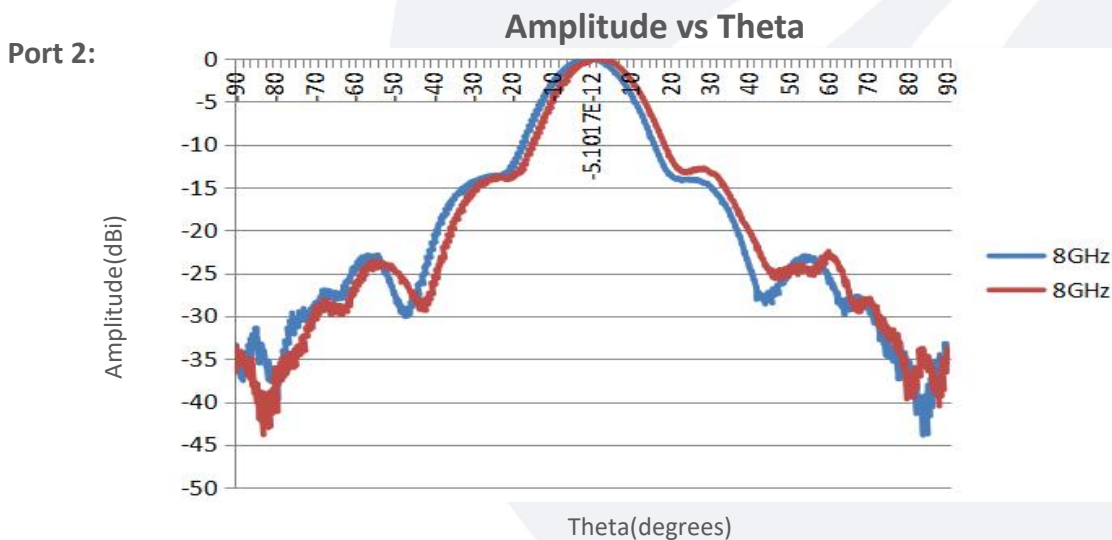
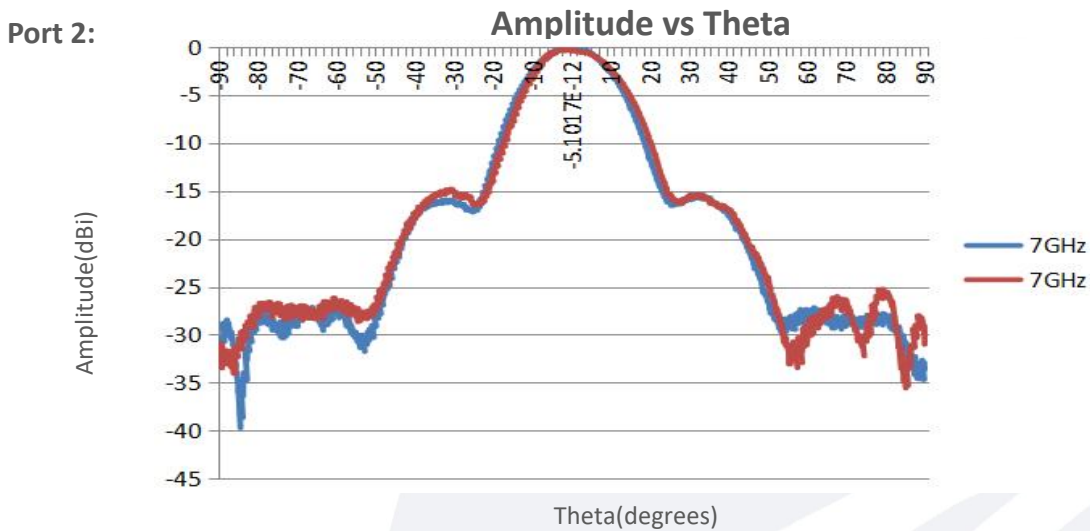
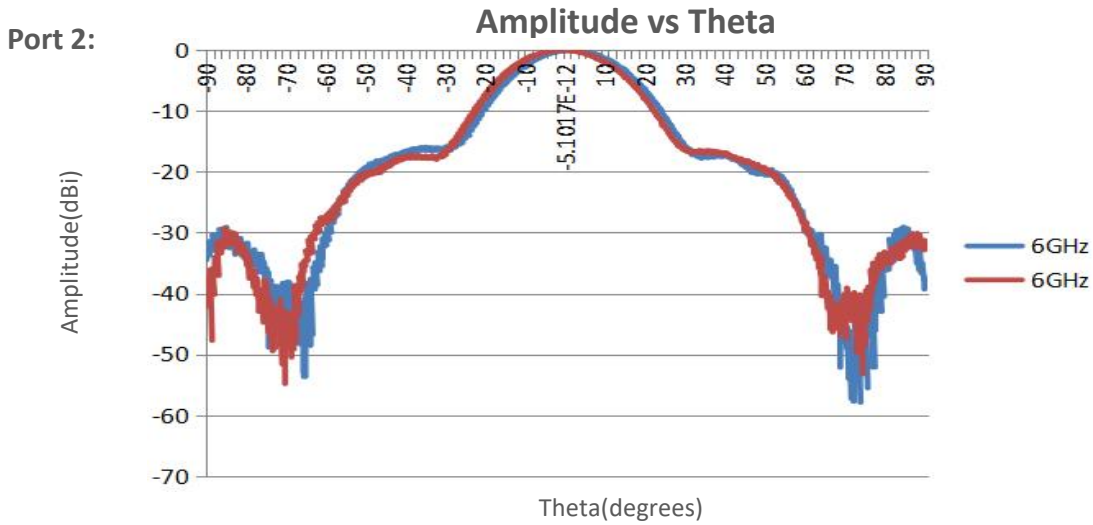


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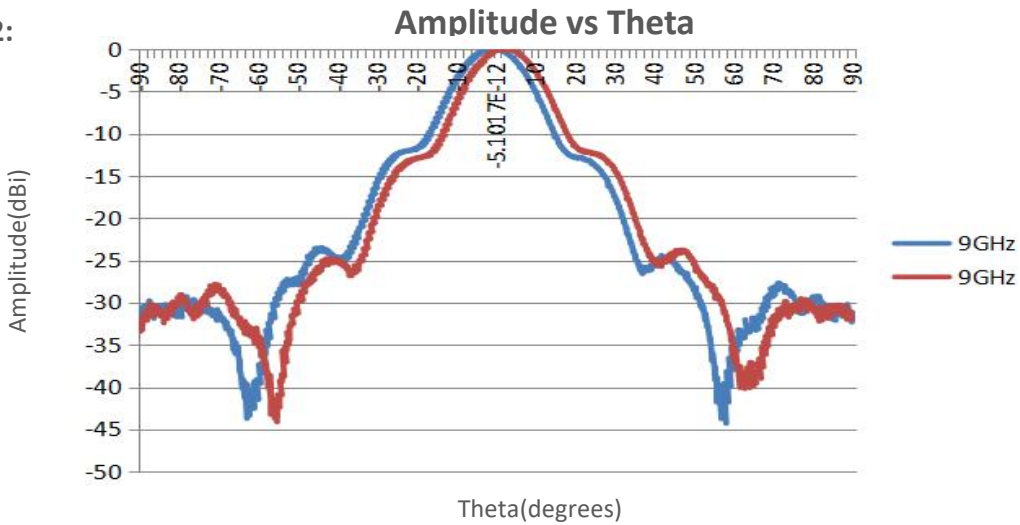
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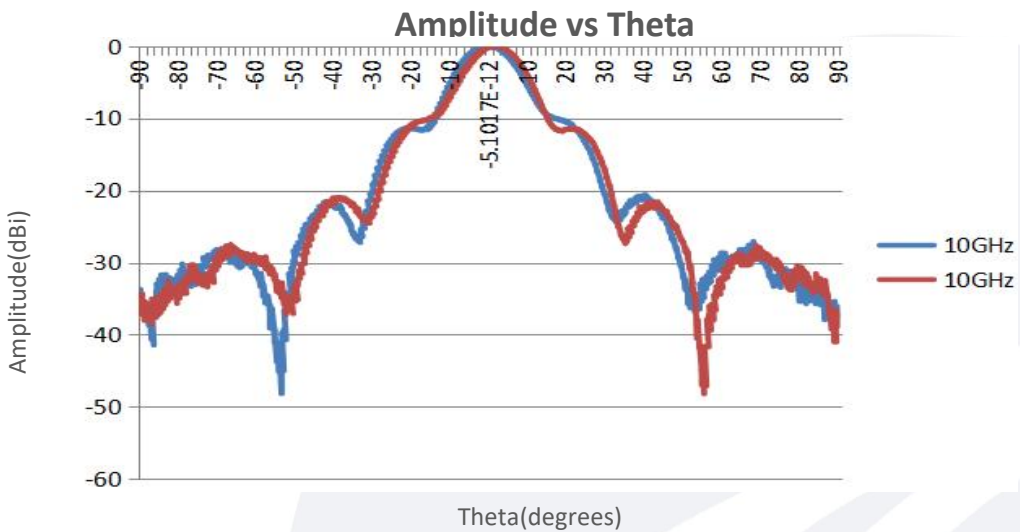
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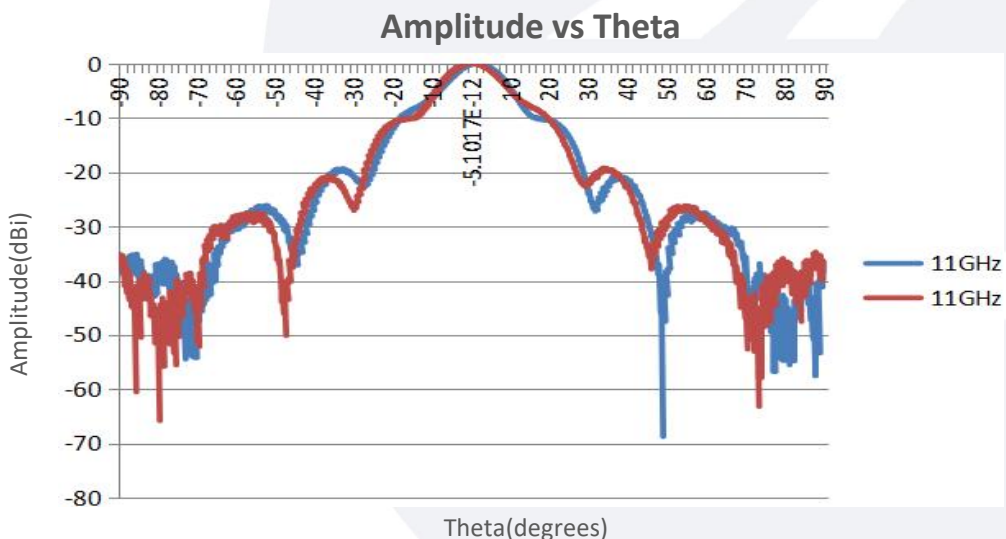
Port 2:



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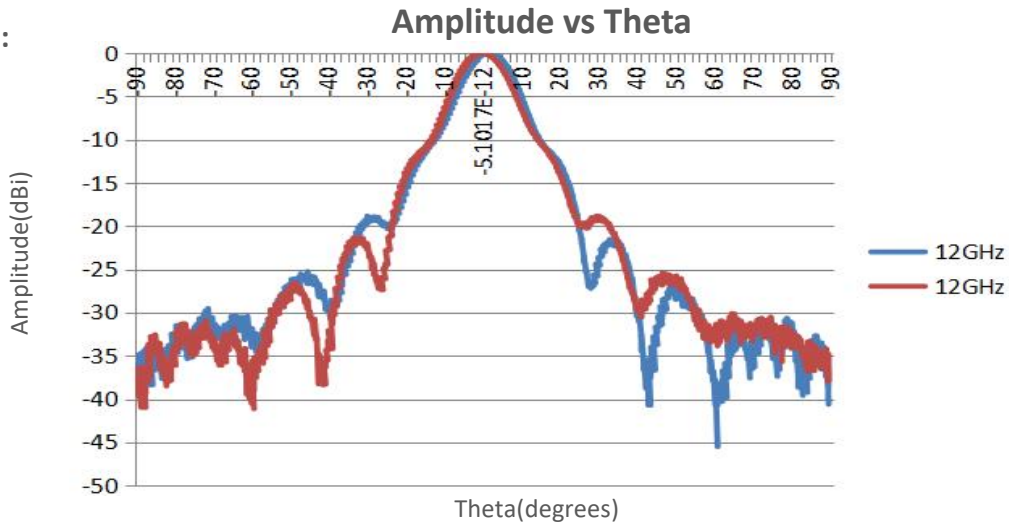
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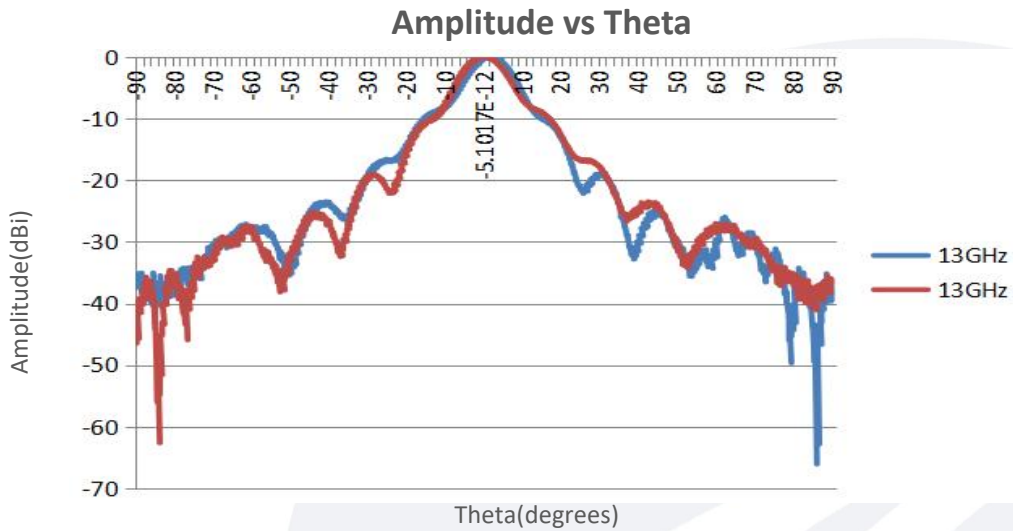
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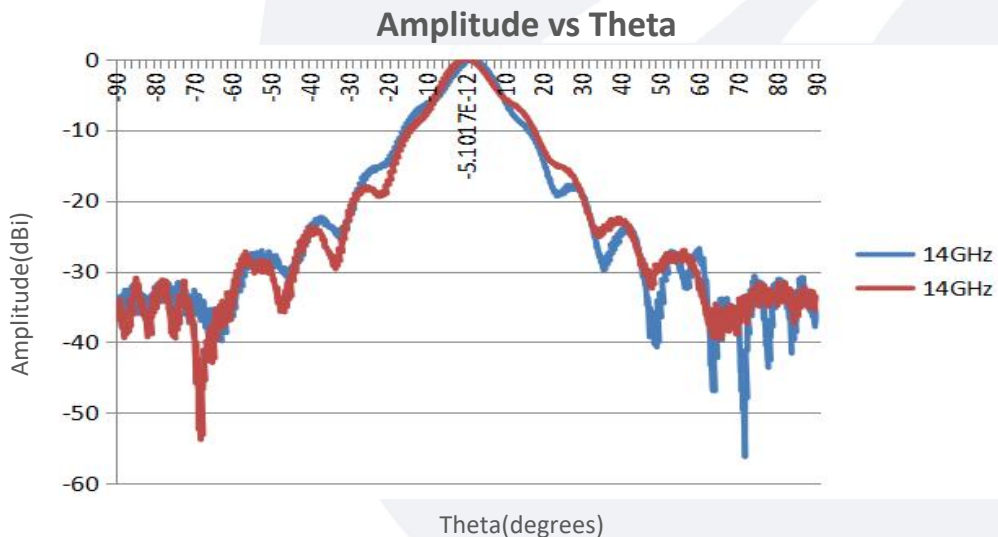
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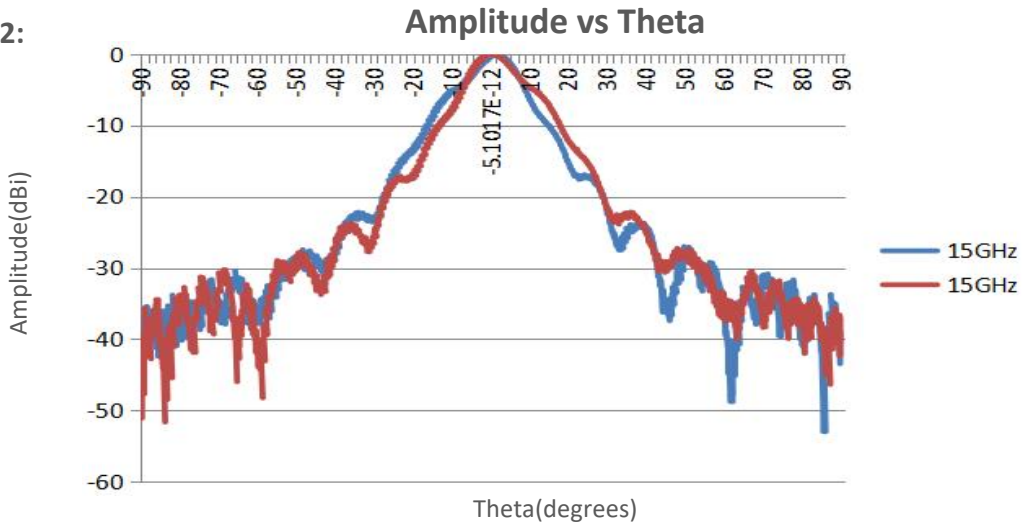
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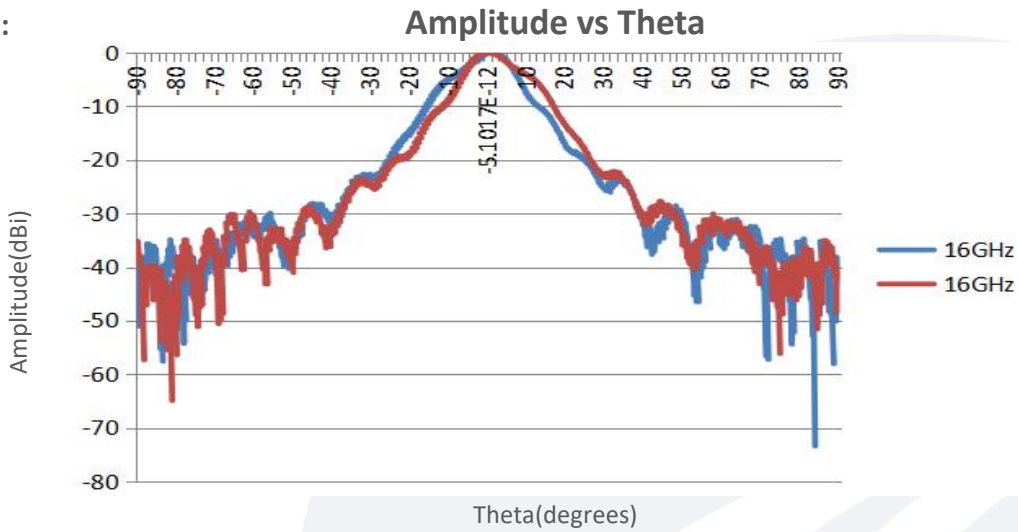
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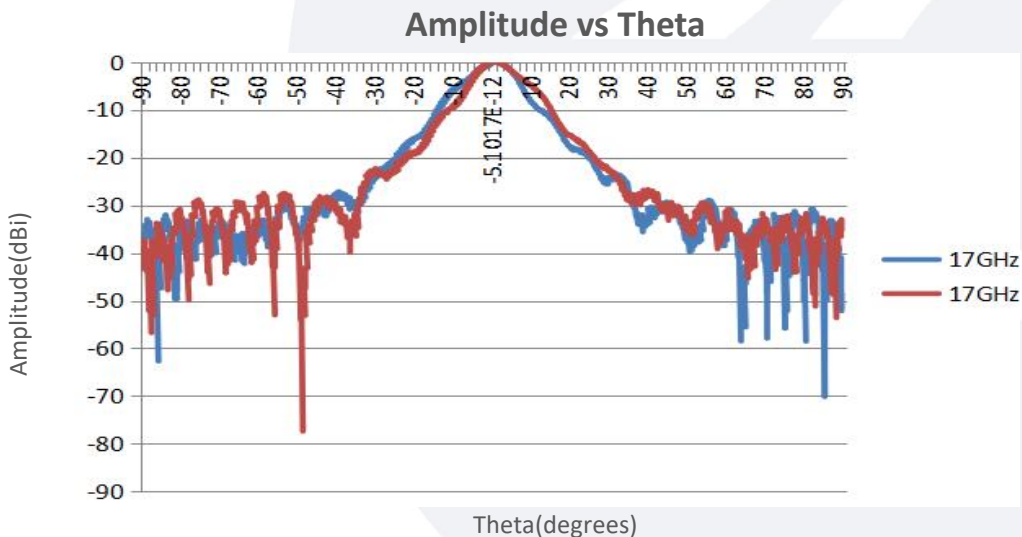
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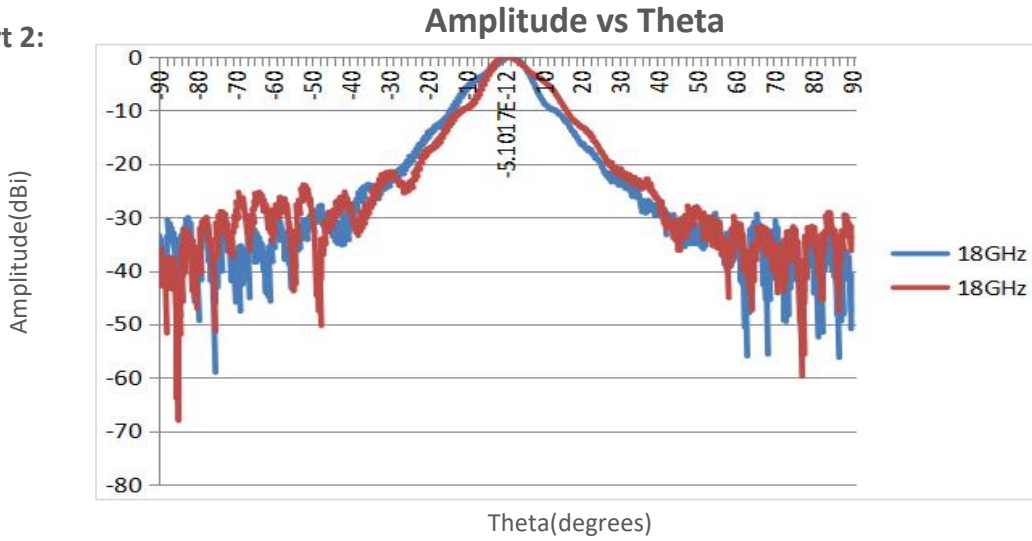
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