

Shenzhen Yunzhishang Electronics Co., Ltd

Customers: Zhong Rui Ke

Project name: P40A-US

RF engineer: Xu Long

Telephone: 15915343126

Report edition: 20250318

Address: Second floor, East Block, Five Building, Yifeng Hua Industrial Zone,

Huaning Road, Dalang Street, Longhua District, Shenzhen

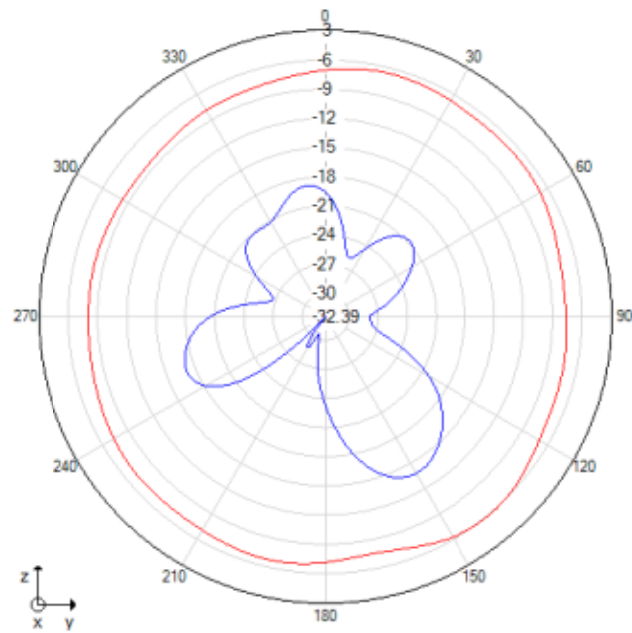
A Brief Introduction to debugging the project

Plate type	The whole machine				
Antenna Overview	The main antenna	Frequency band		Antenna form	Design area
		2G	G2/3/5/8 W1/2/4/5	PIFA	The bottom of the phone
		3G			
		4G	2/4/5/7/12/17/66/38		
		5G	N/A		
	Other antennas	BT/WIFI	2.4G/5G	PIFA	Top of the phone
		GNSS	1559-1610MHz		
		Diversity	N/A	PIFA	Top of the phone
Prototype status	P40A-US Debugging machine		Environmental treatment		

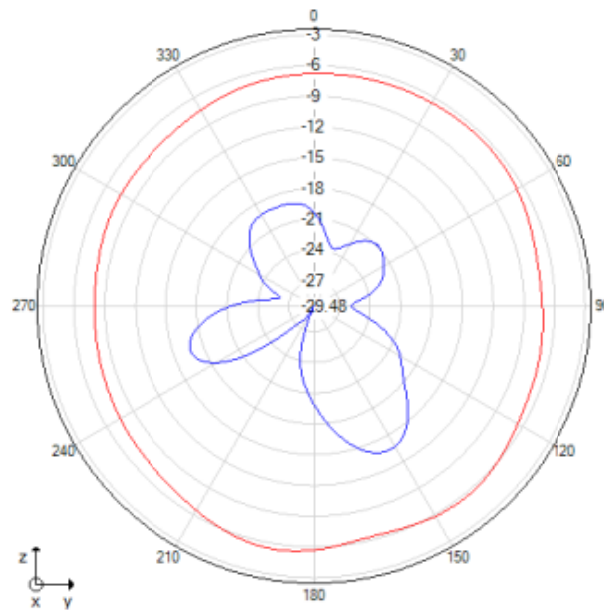
Operation Bands	Frequency	Antenna Gain (dBi)
GSM 850	824-894MHz	-0.62
GSM 900	880-960MHz	-0.64
DCS 1800	1710-1880MHz	-0.28
PCS 1900	1850-1990MHz	-0.31
WCDMA B1	1920-2170MHz	-0.34
WCDMA B2	1850-1990MHz	-0.31
WCDMA B4	1710-2155MHz	-0.27
WCDMA B5	824-894MHz	-0.62
LTE B2	1850-1990MHz	-0.31
LTE B4	1710-2155MHz	-0.27
LTE B5	824-894MHz	-0.62
LTE B7	2500-2690MHz	0.21
LTE B12	699-746MHz	-0.71
LTE B17	704-746MHz	-0.73
LTE B38	2570-2620MHz	0.25
LTE B66	1710-2200MHz	-0.24
BT&BLE&2.4G Wi-Fi	2400-2500 MHz	1.35
5G Wi-Fi	5150-5850MHz	1.84
GNSS	1559-1610MHz	-0.51

Lobe diagram ()

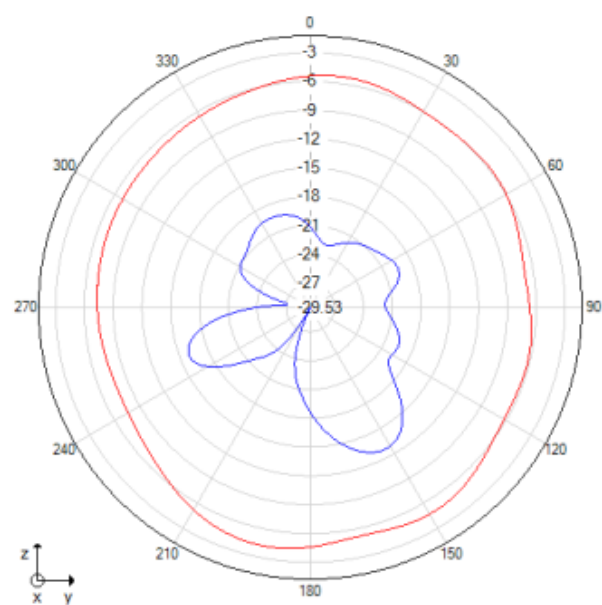
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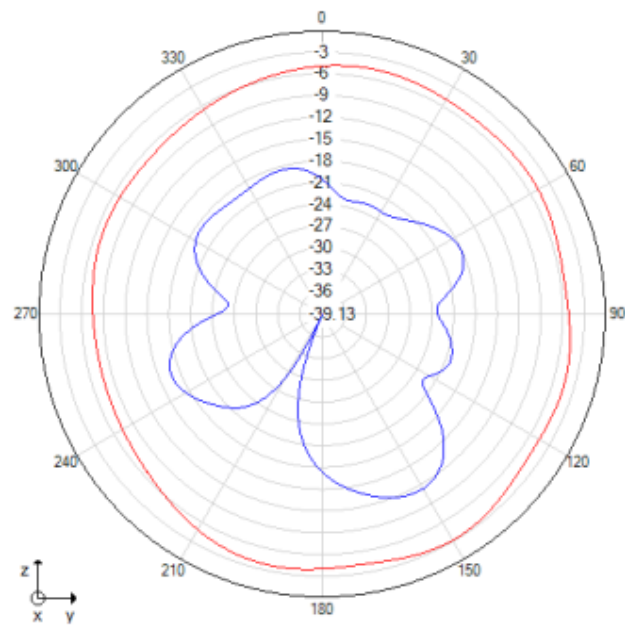
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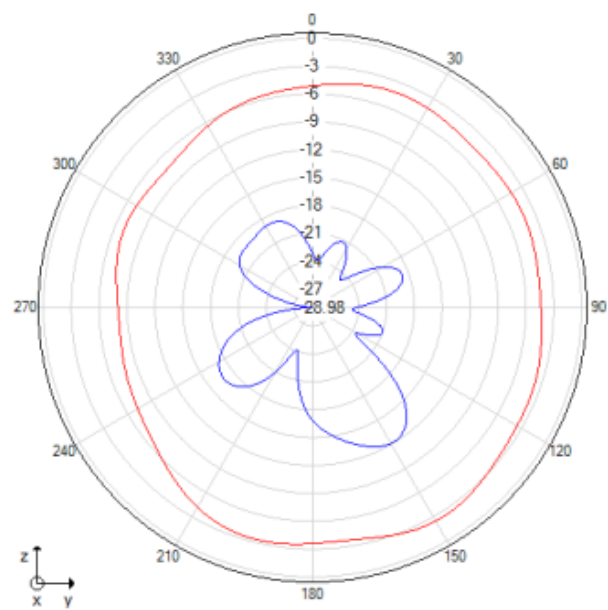
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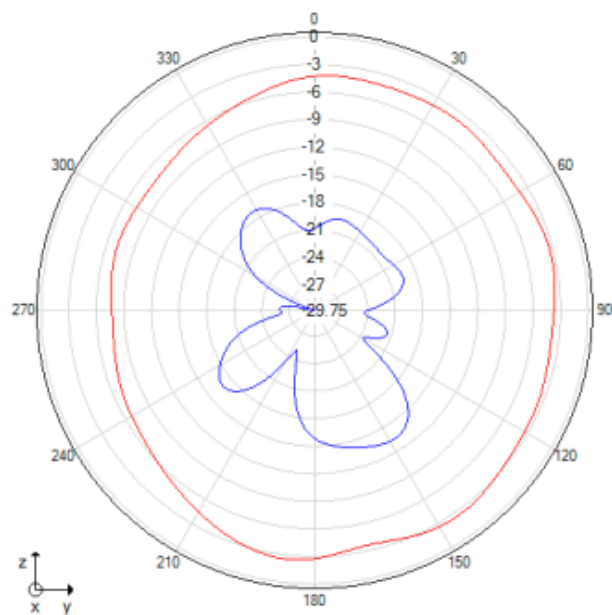
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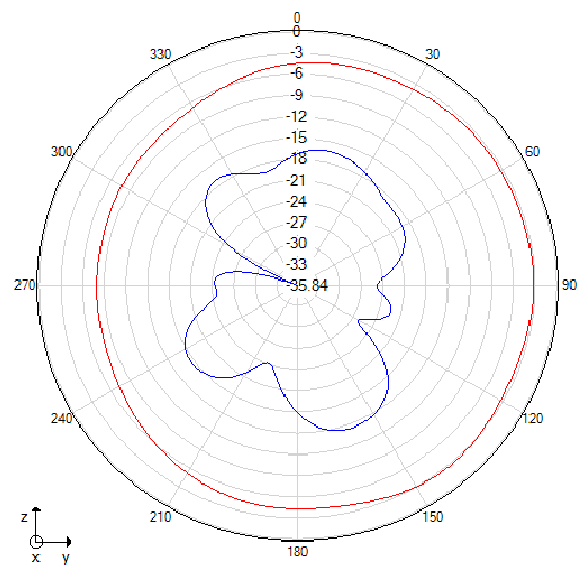
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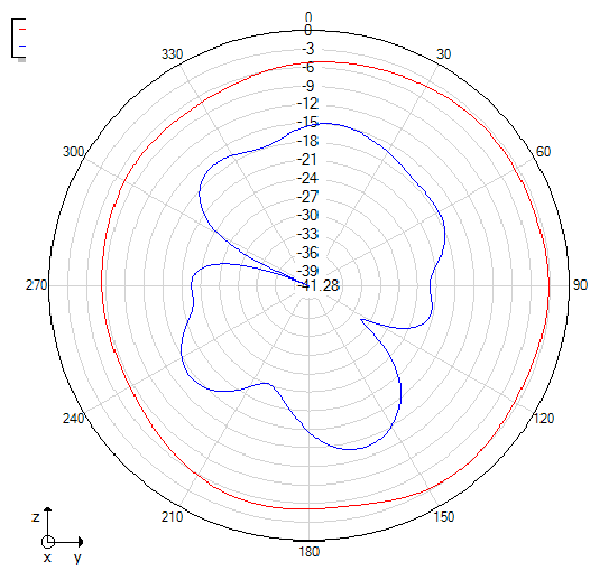
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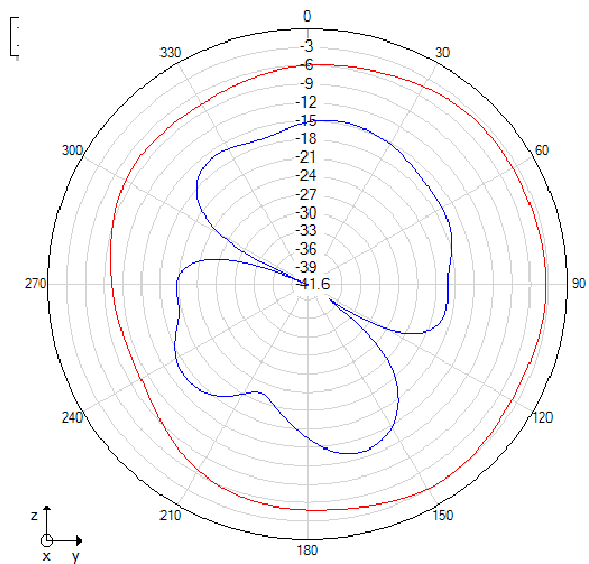
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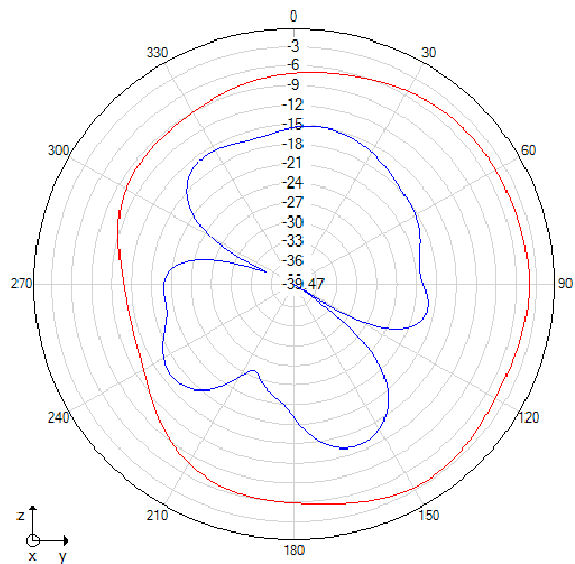
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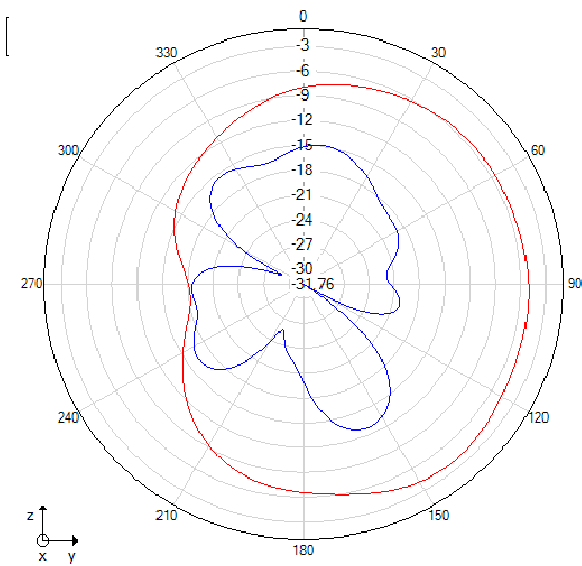
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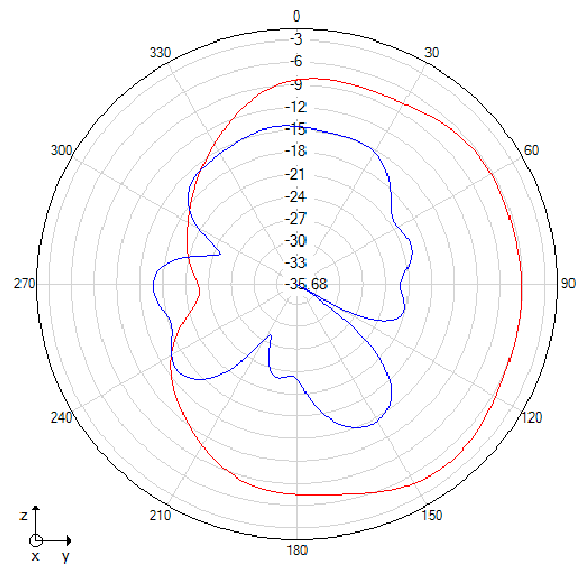
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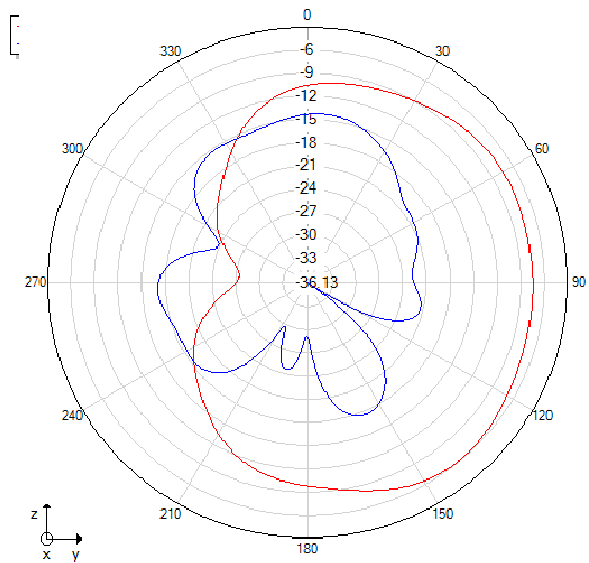
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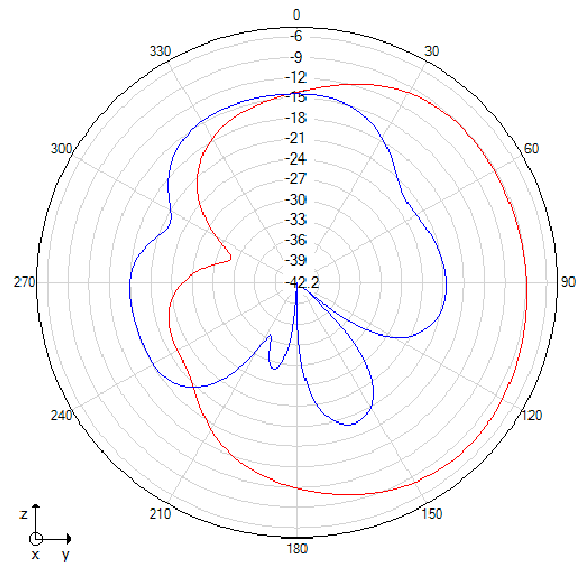
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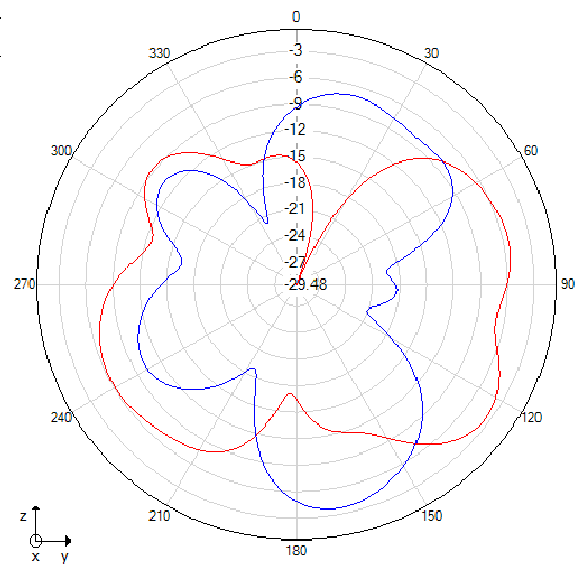
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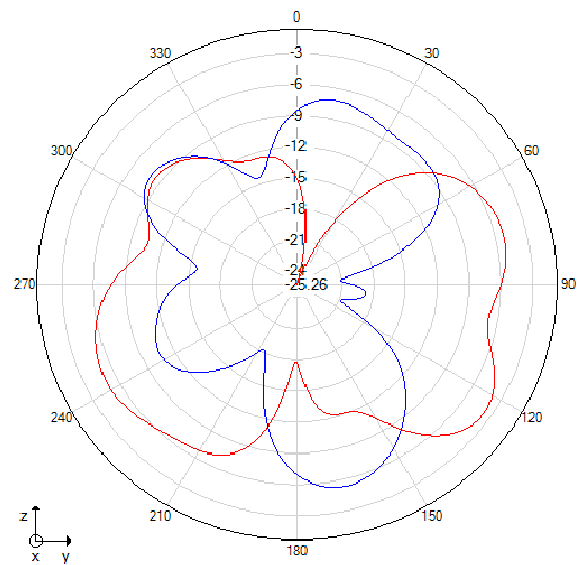
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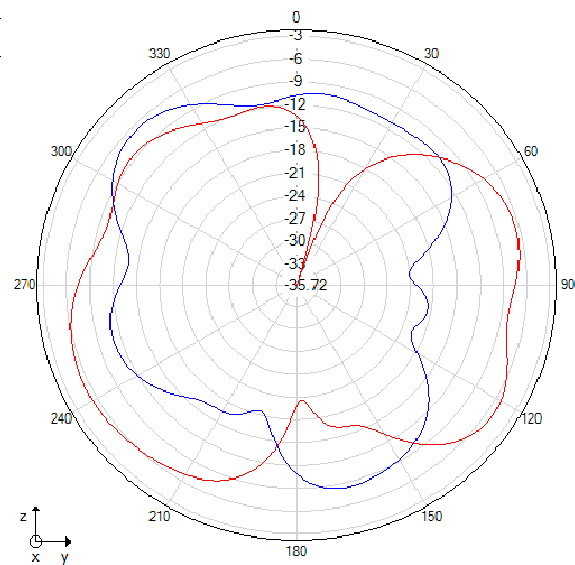
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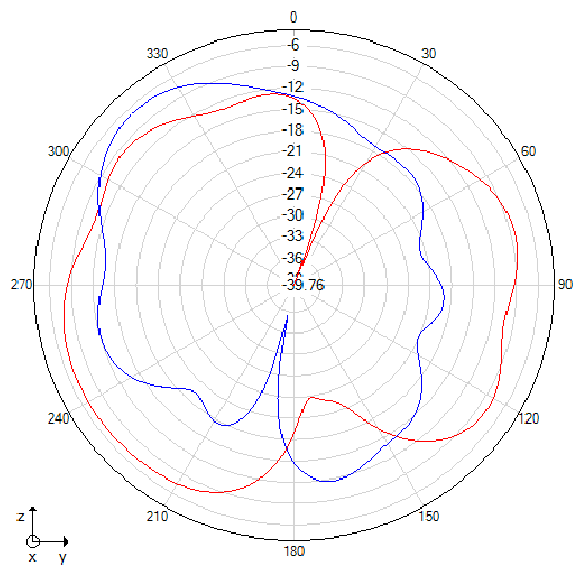
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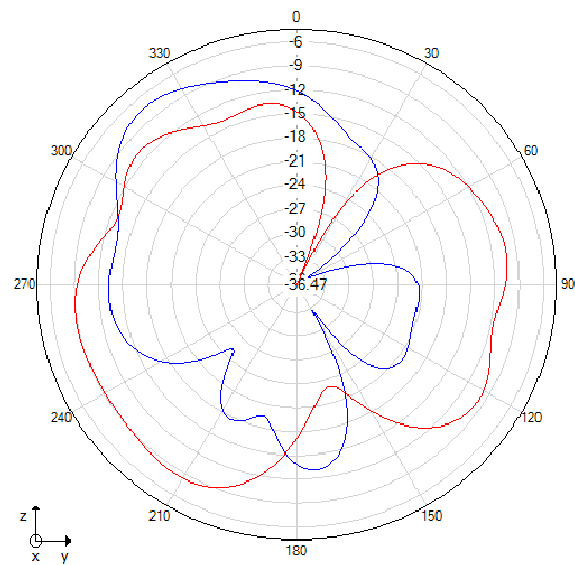
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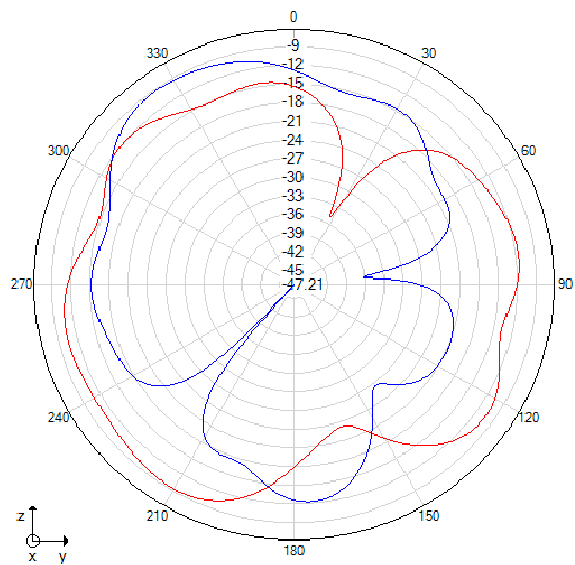
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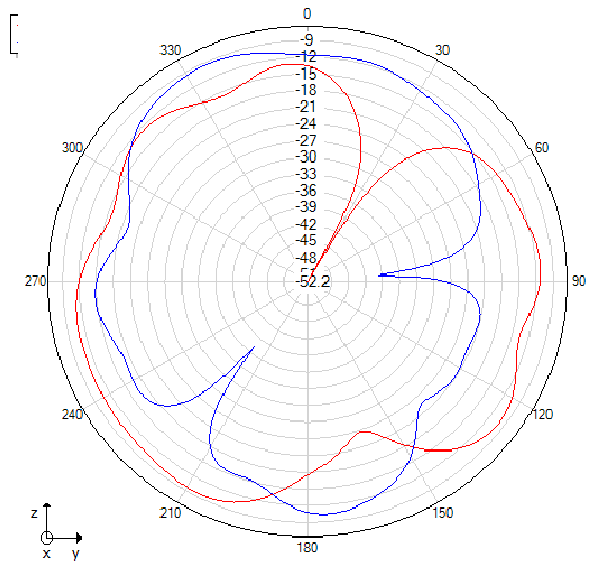
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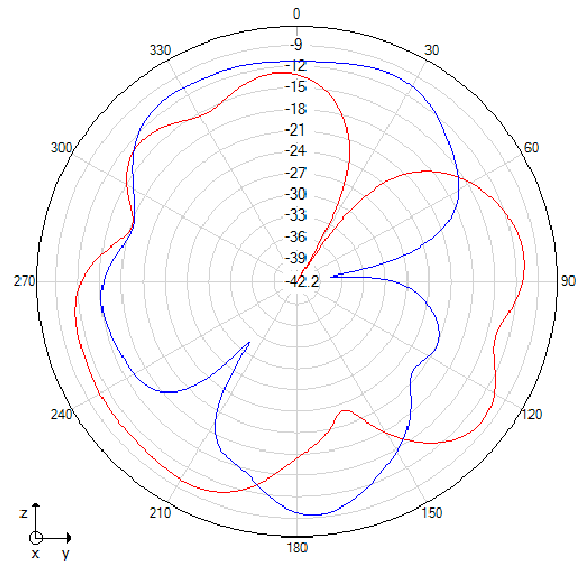
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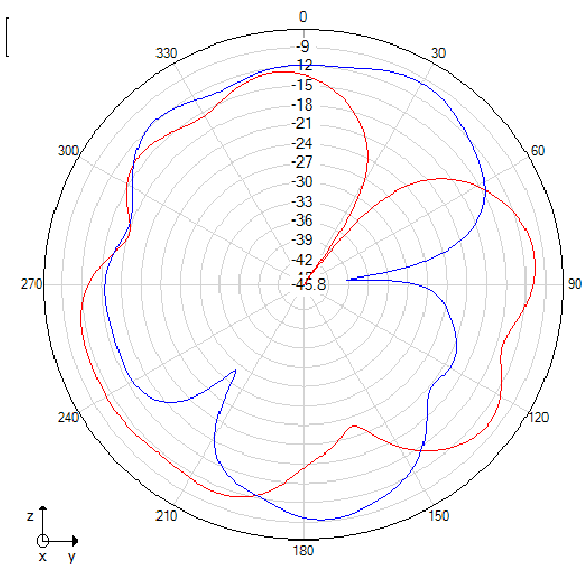
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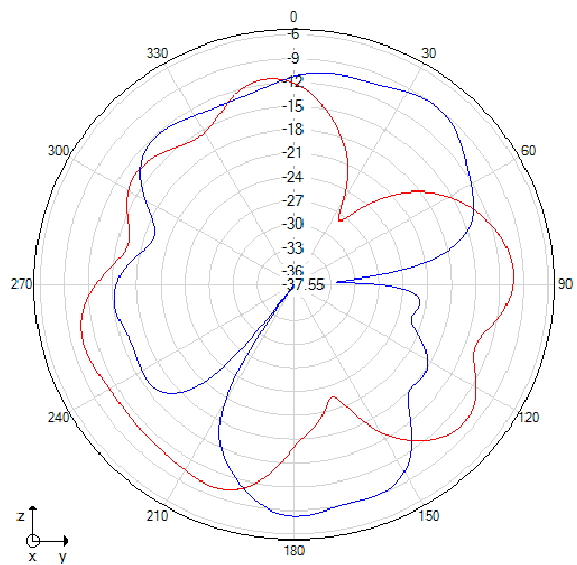
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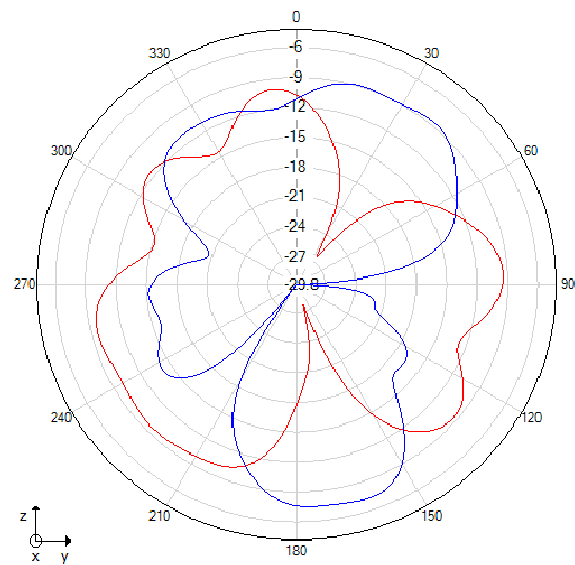
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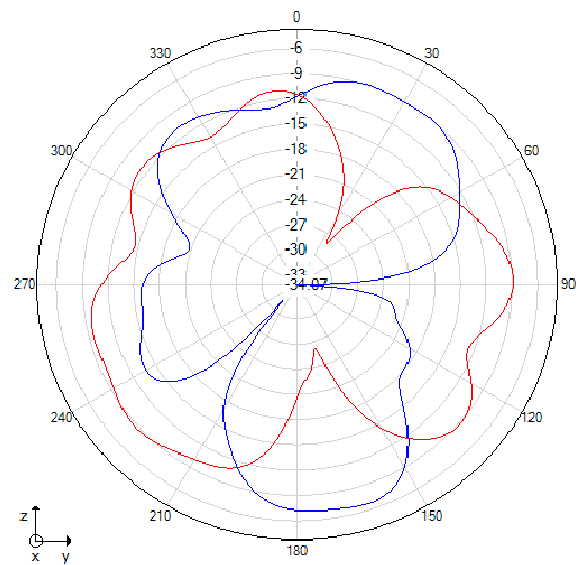
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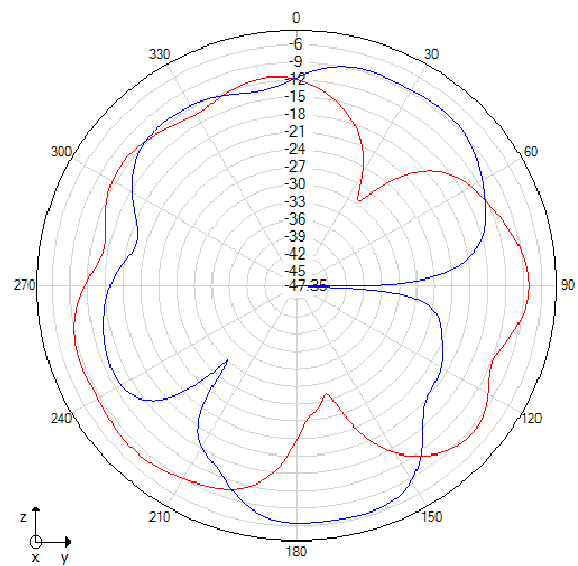
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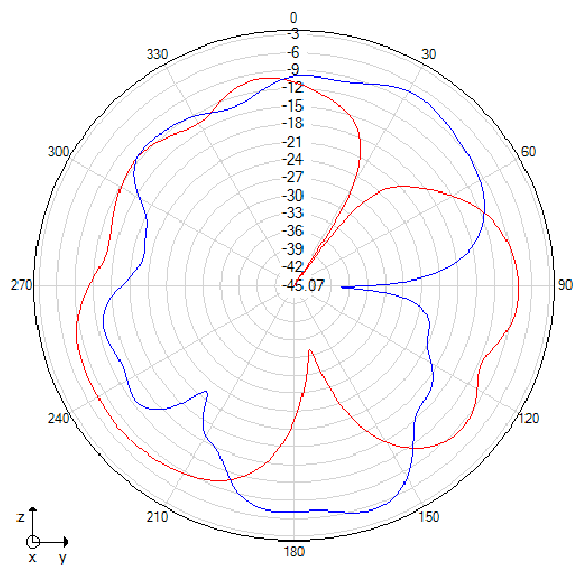
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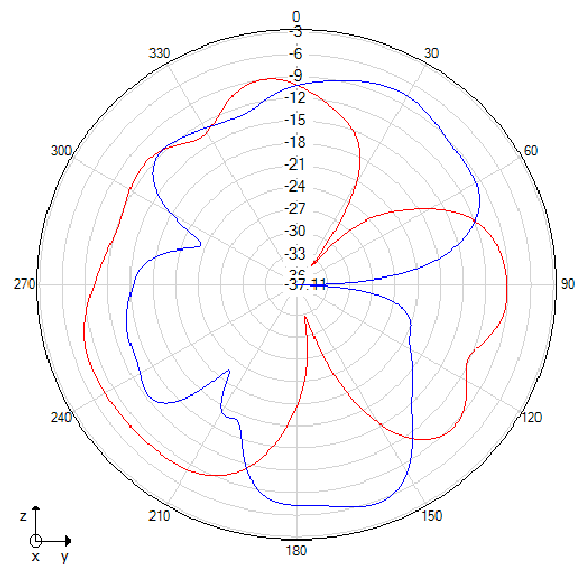
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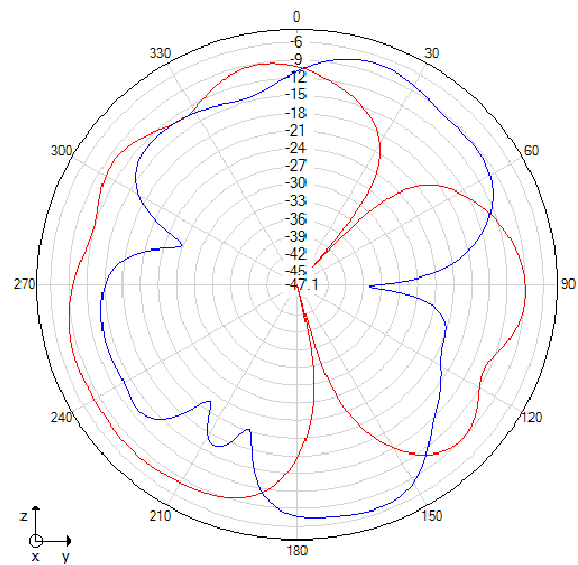
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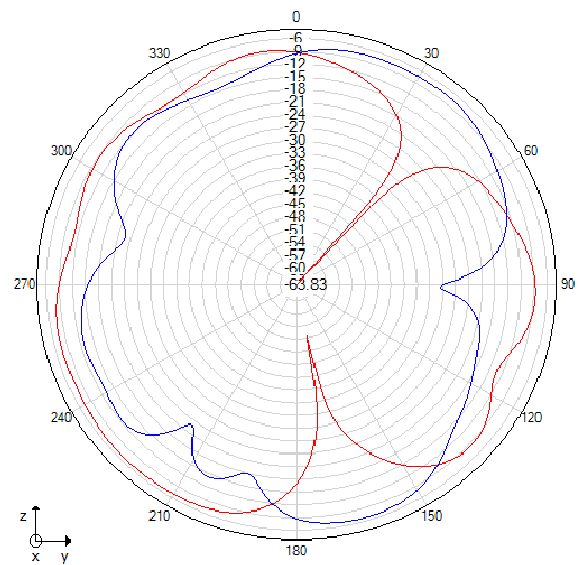
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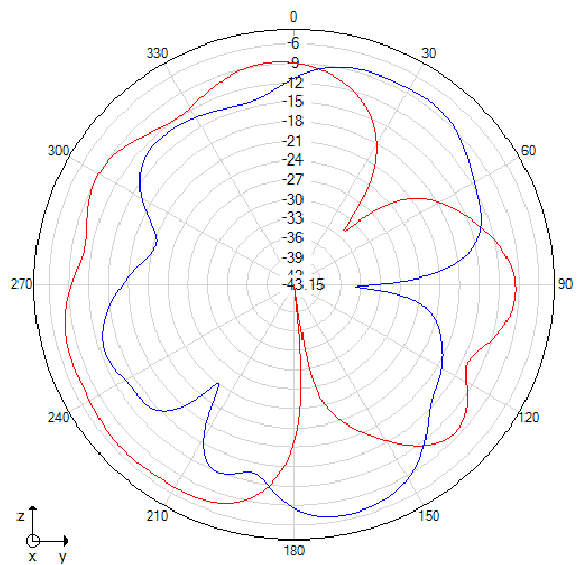
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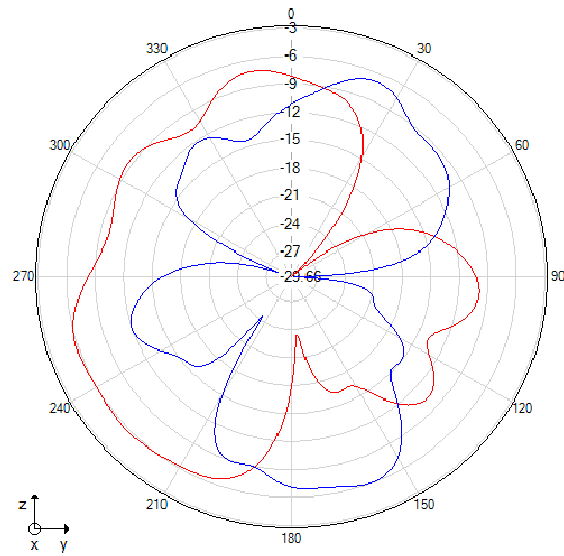
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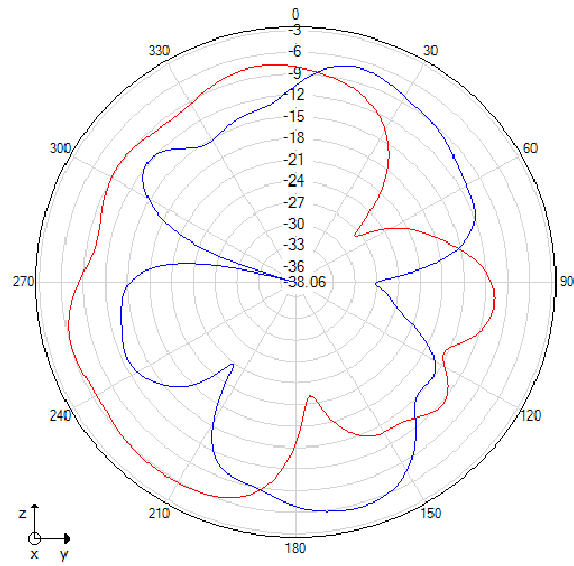
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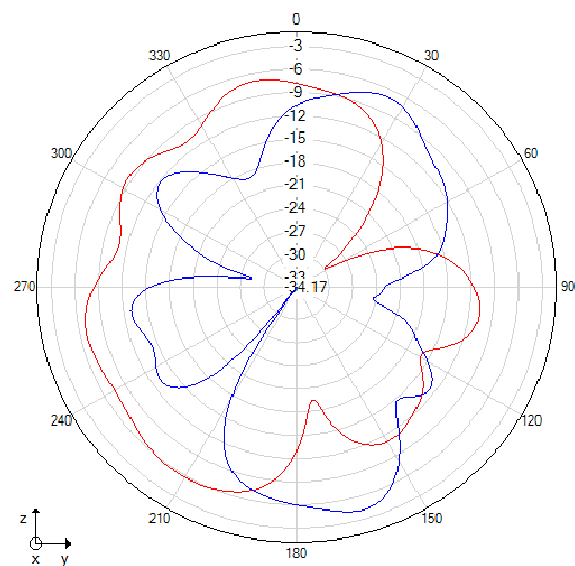
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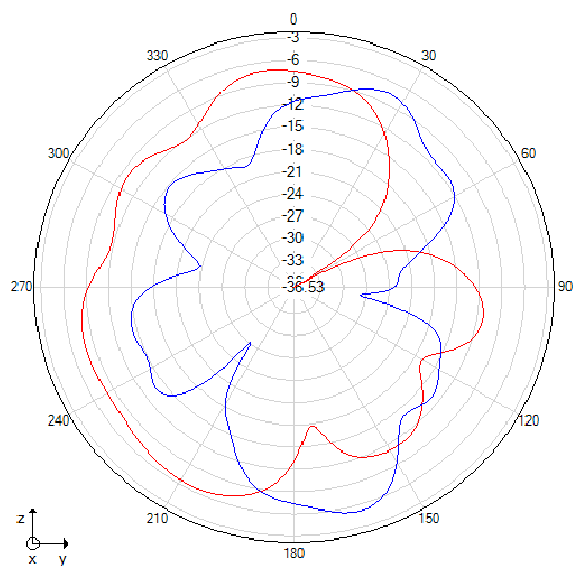
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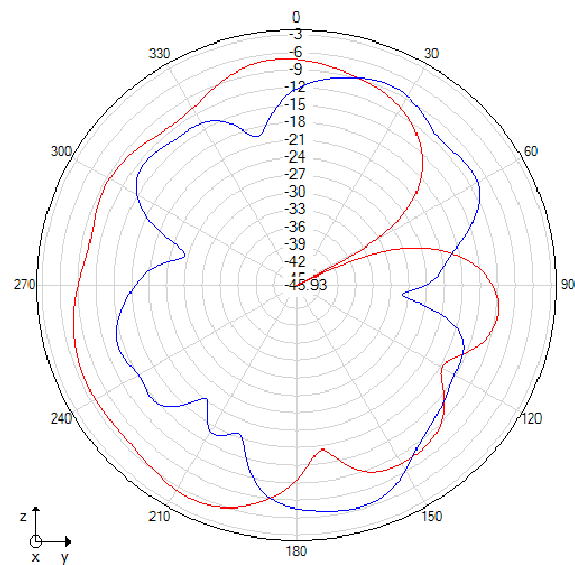
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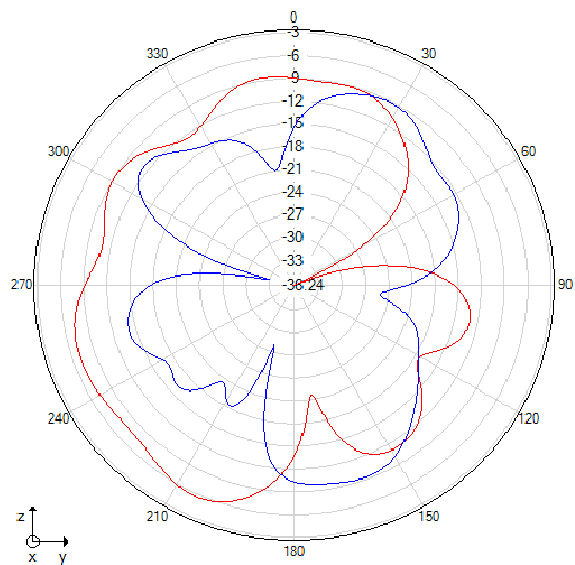
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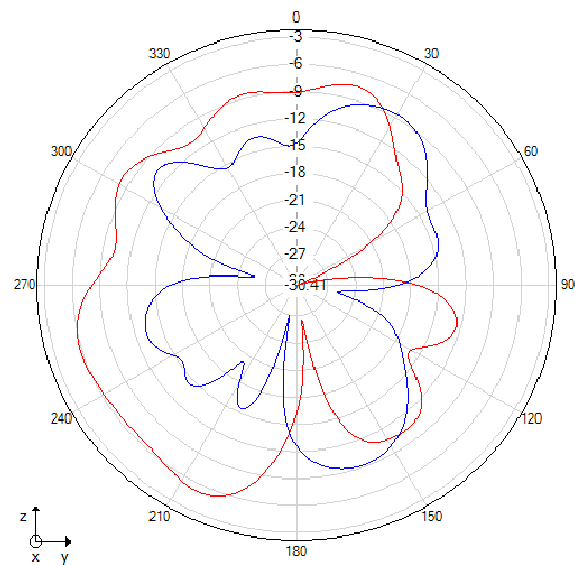
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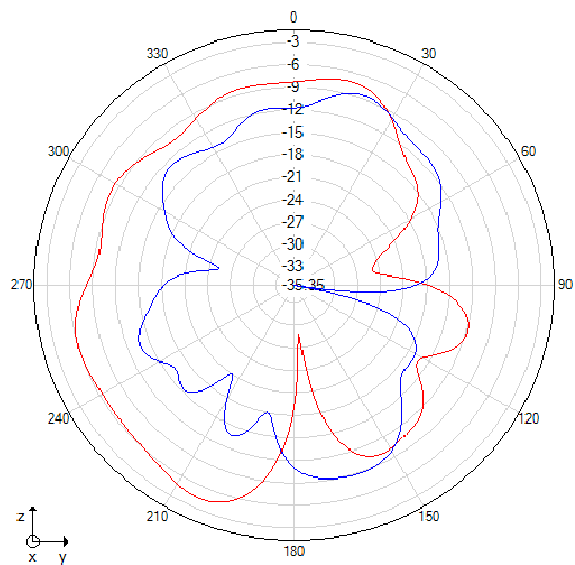
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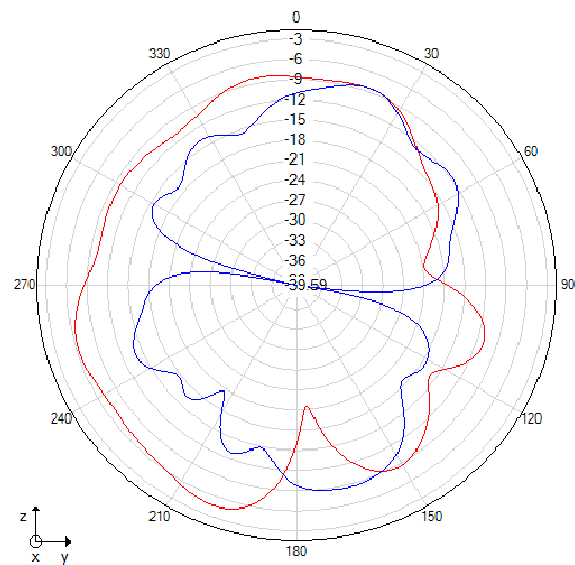
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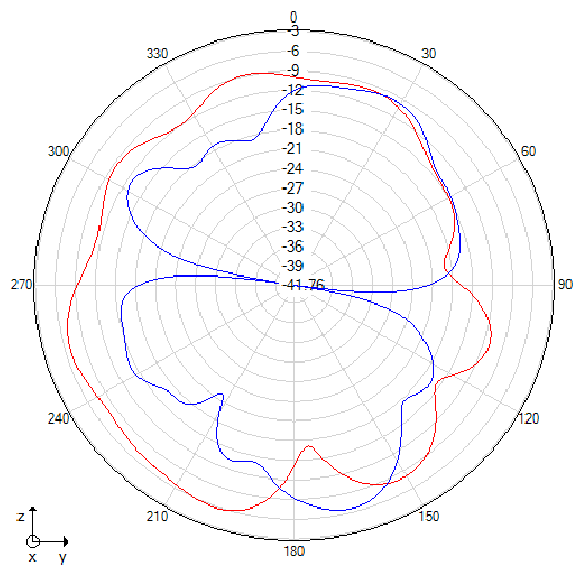
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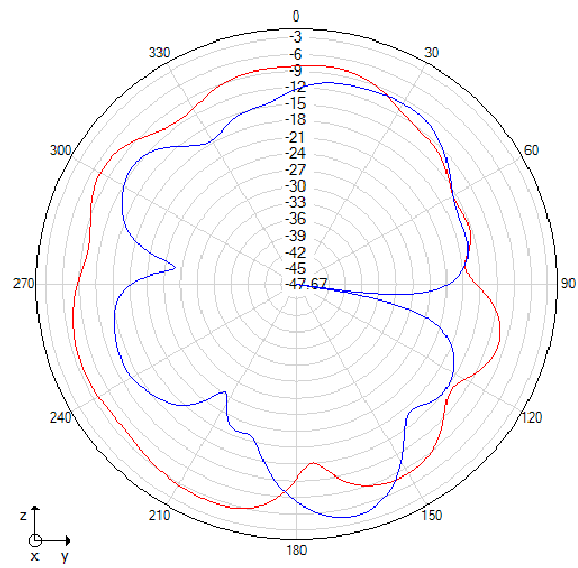
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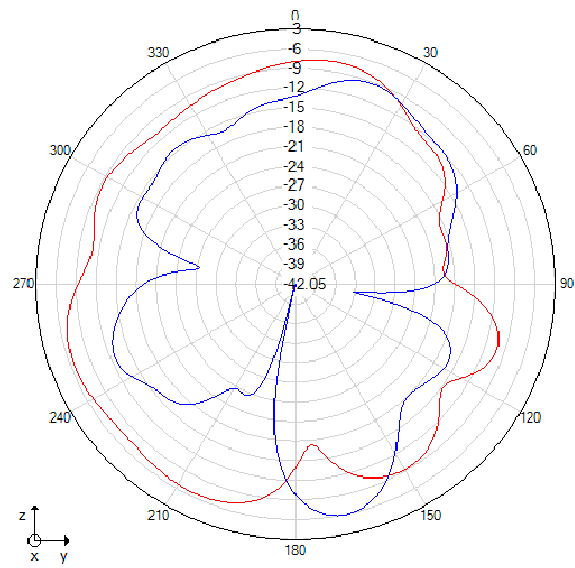
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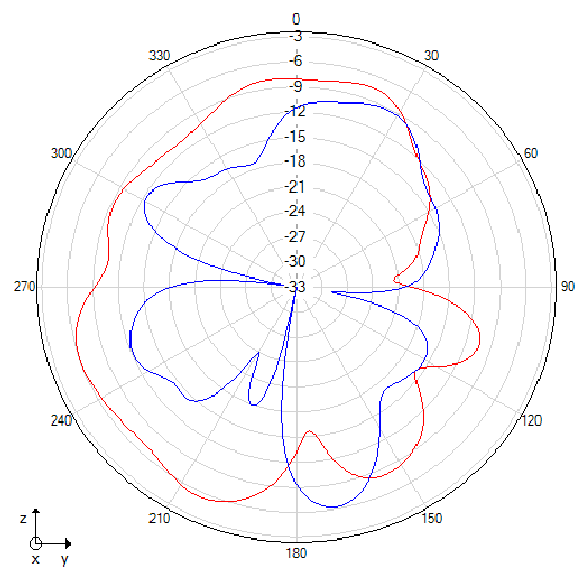
Phi=90 freq=2260MHz



Phi=90 freq=2280MHz



$\Phi=90$ freq=2300MHz



$\Phi=90$ freq=2320MHz

