

Oscar 421

2G/3G/4G/WiFi MIMO directional Antenna



General Description

The Oscar 421 is an excellent panel antenna covering many popular frequencies in use today. Its radome is UV and water proof making it a great outdoors antenna.

Fitted with 0.4M RG58 tails ready for connection to standard or low loss cable for extended distance to the Transmitter/Receiver.

Ideal for use in sports arenas and shopping malls to provide either telephone or WiFi network access services.

The flat panel design pushes out the signal in one direction enabling a higher directional gain to be achieved.

The Oscar 421 comes with a stainless steel bracket and U bolt clamp for wall or standard mast mounting.

Key Features

- Weatherproof and UV Resistant
- MIMO Directional Antenna

Additional Considerations

- Wide coverage of frequencies
- Can be connected to standard or low loss cable

Oscar 421

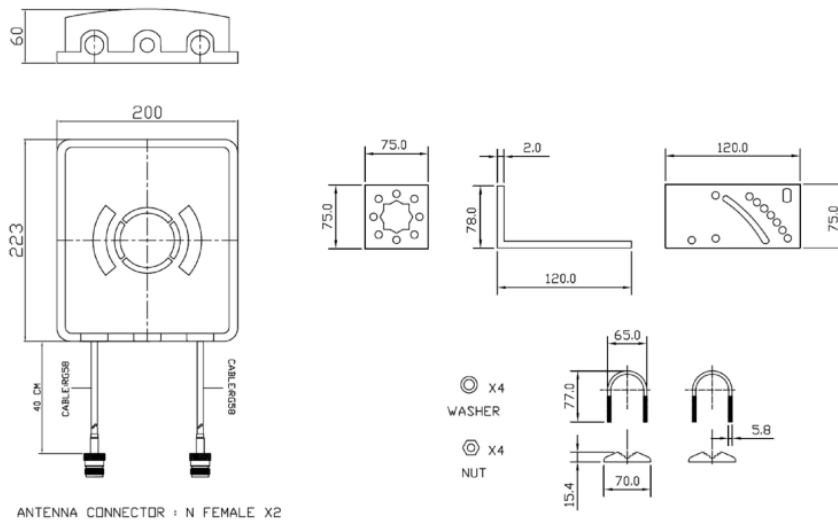
2G/3G/4G/WiFi MIMO directional Antenna

Electrical Specifications

Frequency range:	700-960/1700-2700MHz
Gain:	700-960MHz 5dBi 1700-2700MHz 9dBi
VSWR:	≤ 2.5
Impedance:	50 Ohm
Polarization:	Linear Vertical

Mechanical Specifications

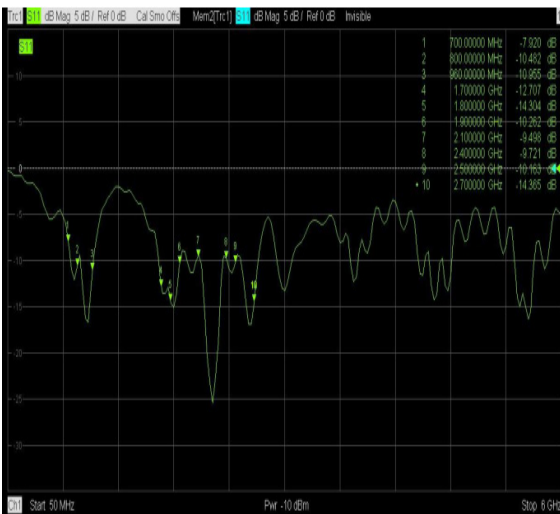
Dimensions:	L223 x W200 x H60mm
Connector:	N Female x2
Cable:	RG58
Material:	ABS Polymer
Mounting Method:	U-bolts



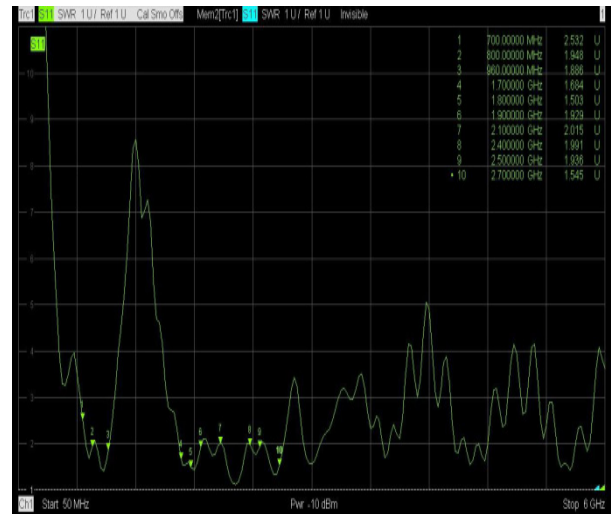
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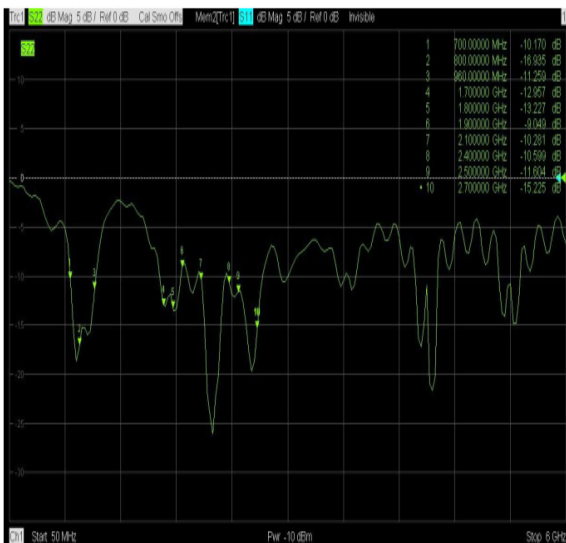
Antenna 1 Return Loss



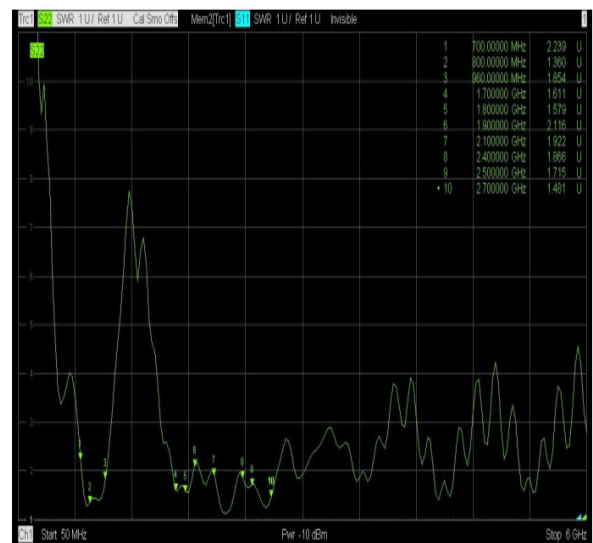
VSWR



Antenna 2 Return Loss



VSWR



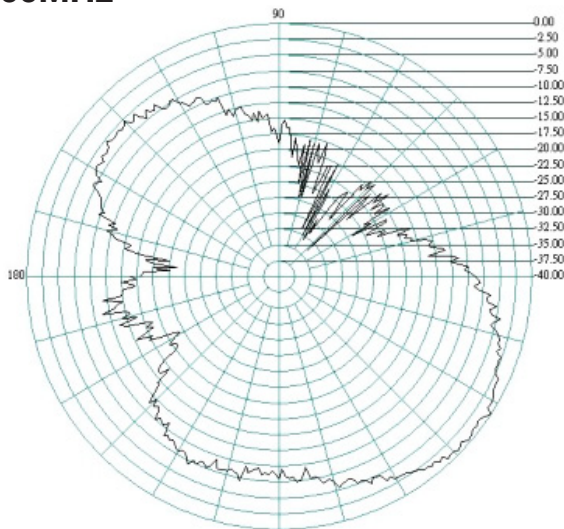
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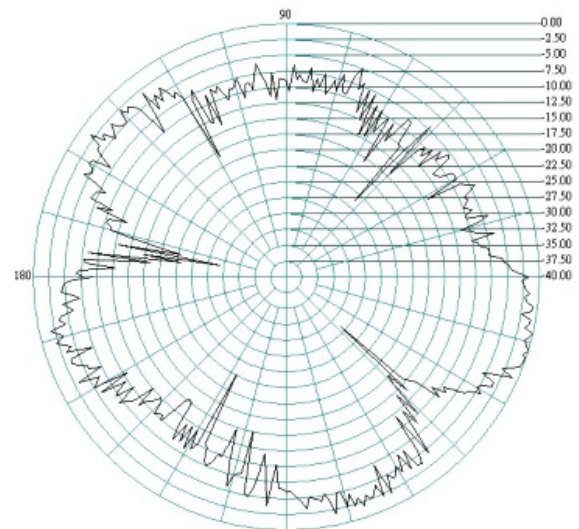
Radiation Patterns Port 1

E-Plane

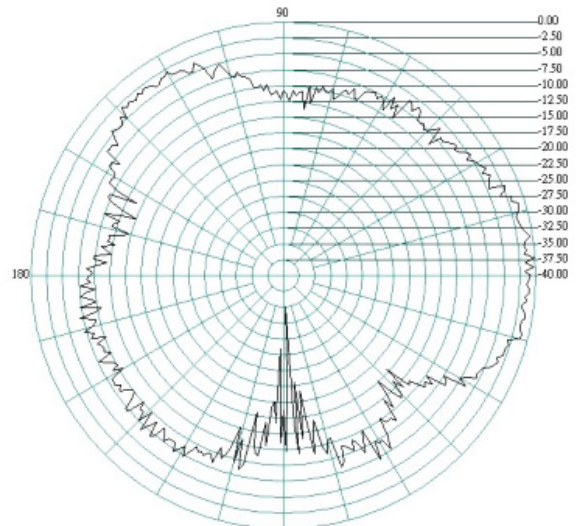
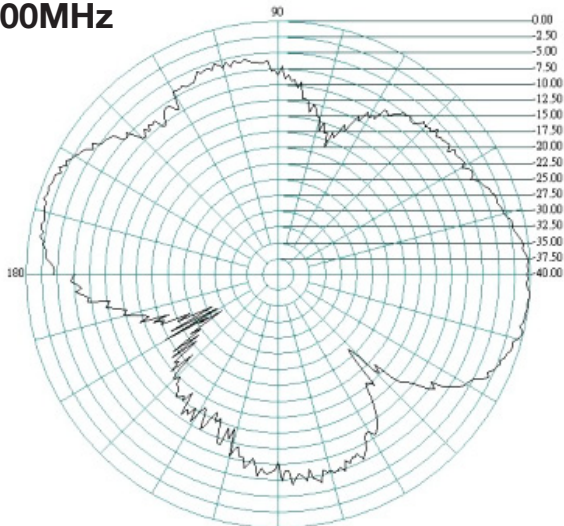
700MHz



H-Plane



800MHz



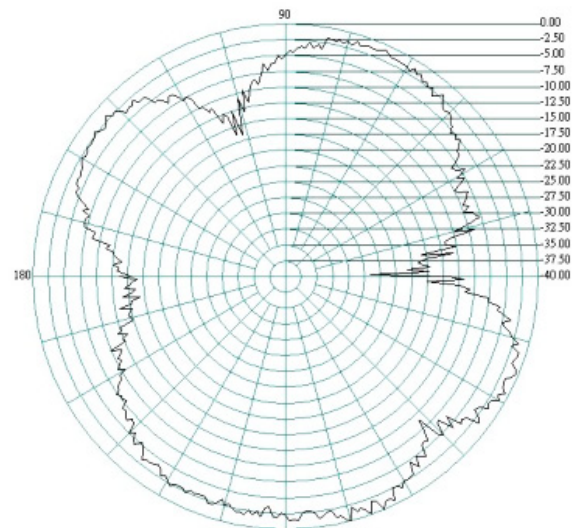
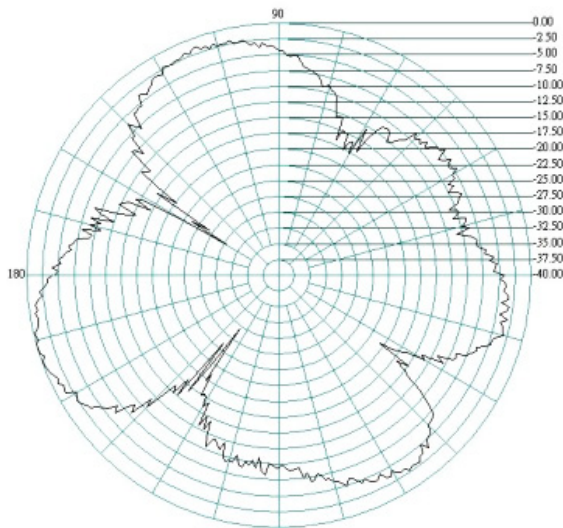
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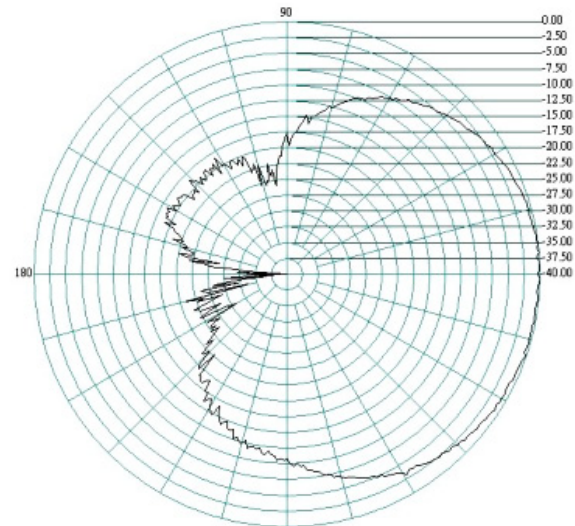
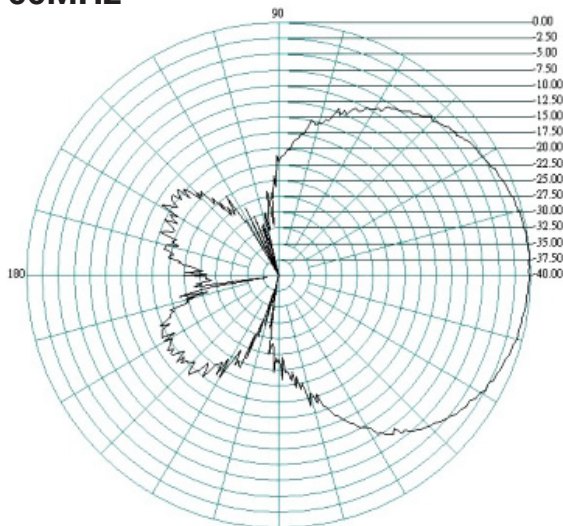
E-Plane

H-Plane

900MHz



1700MHz

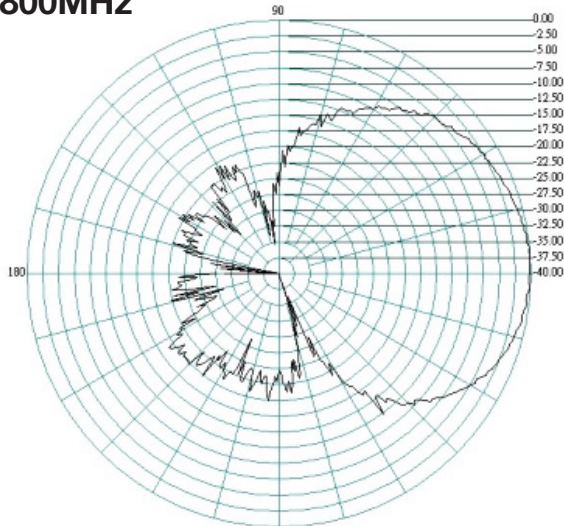


Oscar 421

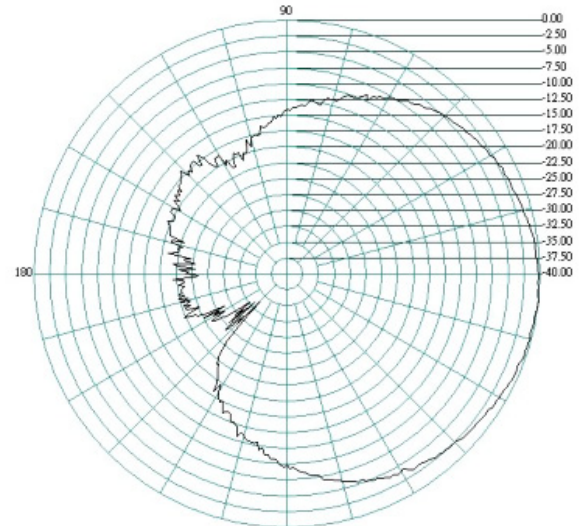
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

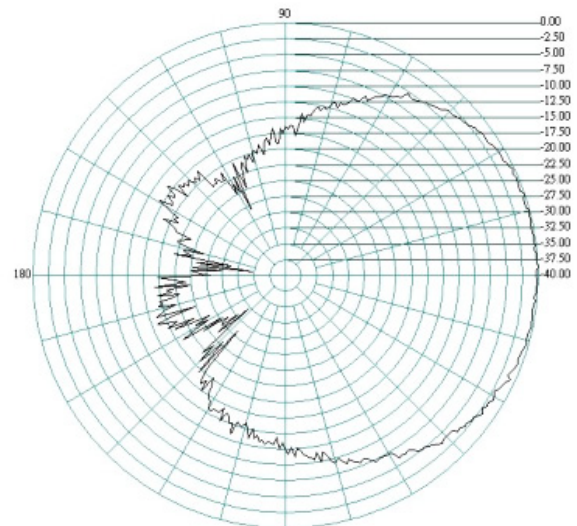
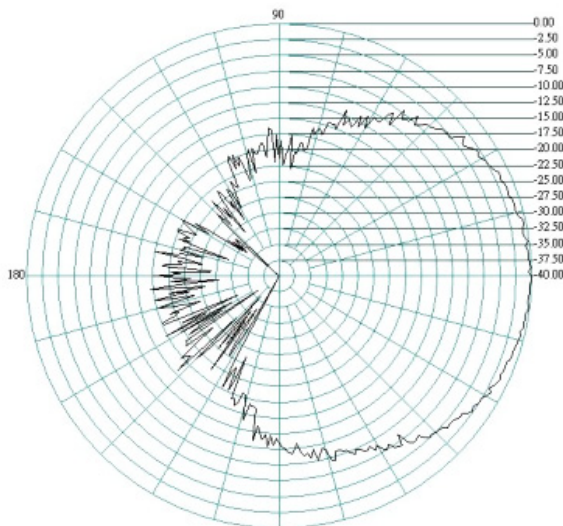
1800MHz



H-Plane



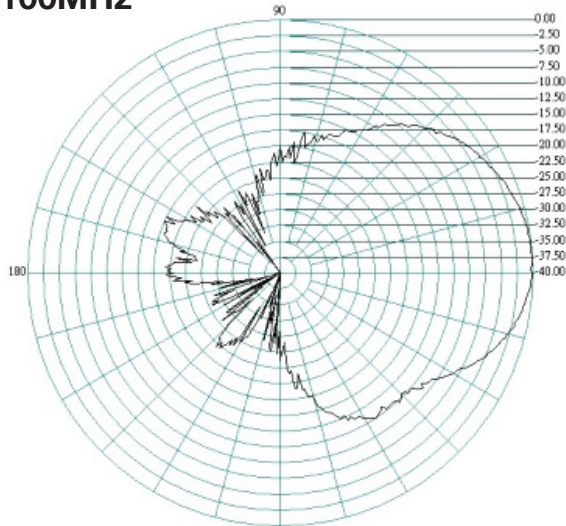
1900MHz



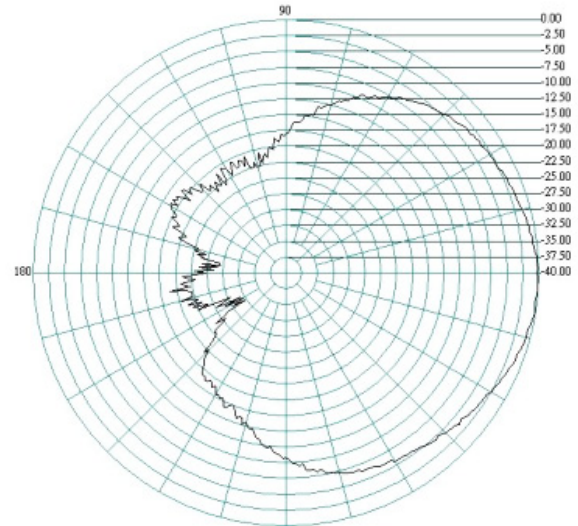
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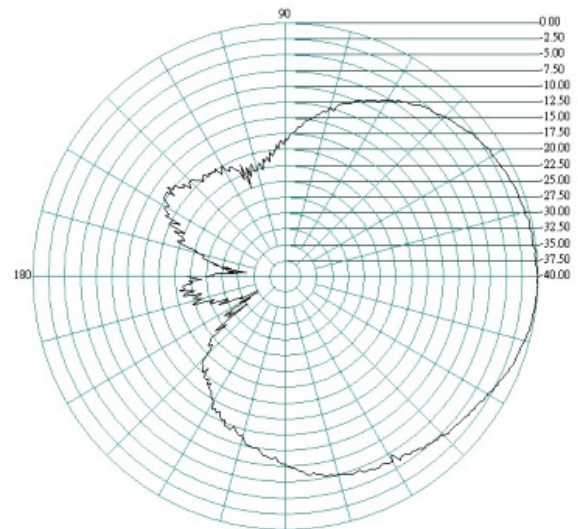
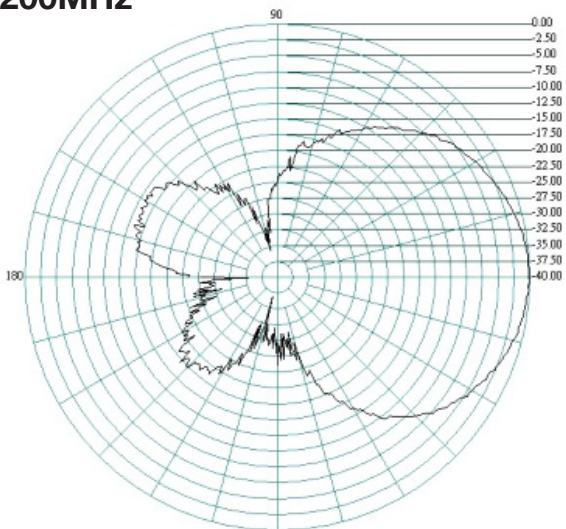
E-Plane 2100MHz



H-Plane



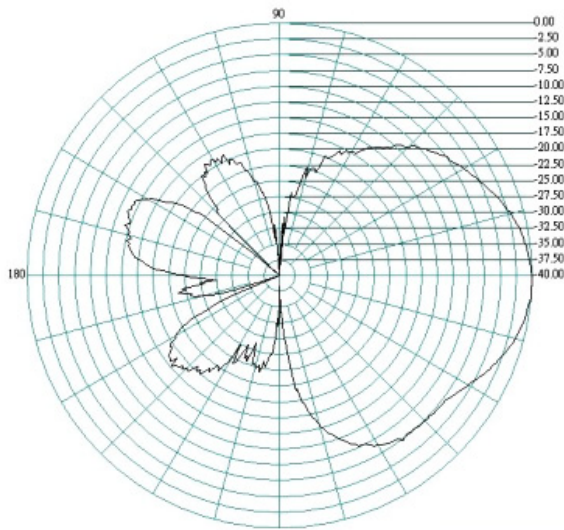
2200MHz



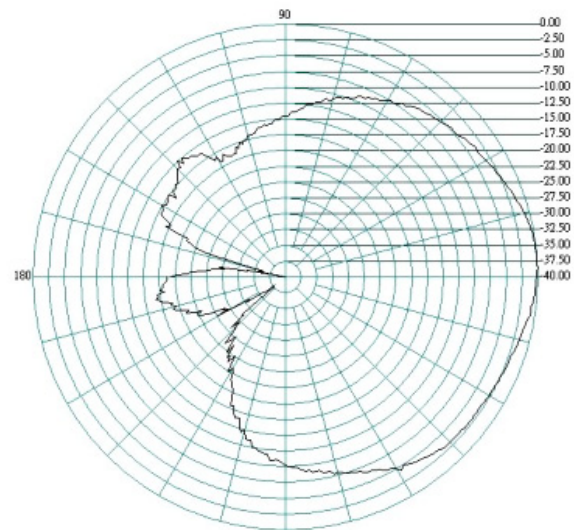
Oscar 421

2G/3G/4G/WiFi MIMO directional Antenna

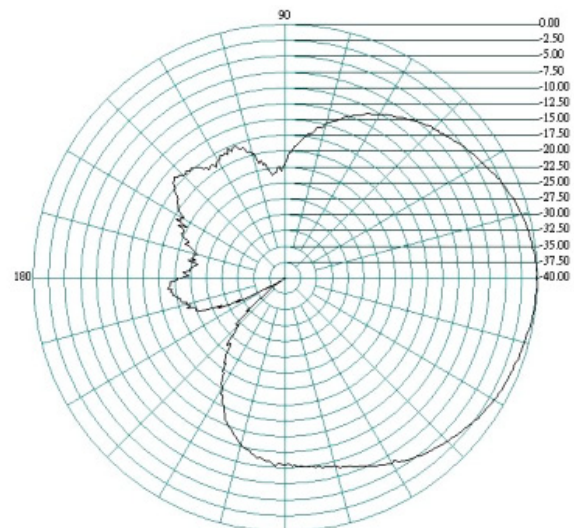
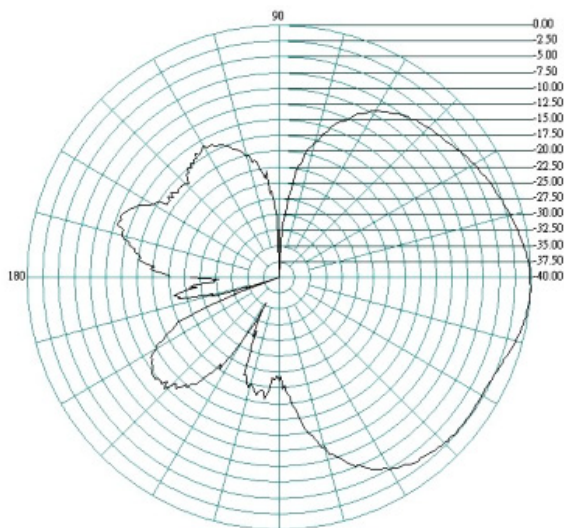
E-Plane 2400MHz



H-Plane



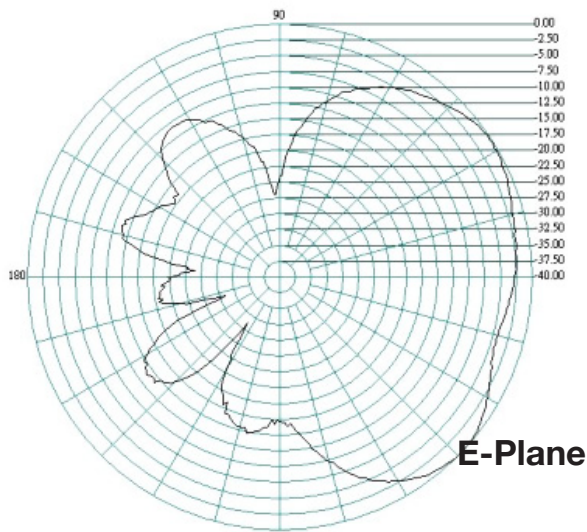
2500MHz



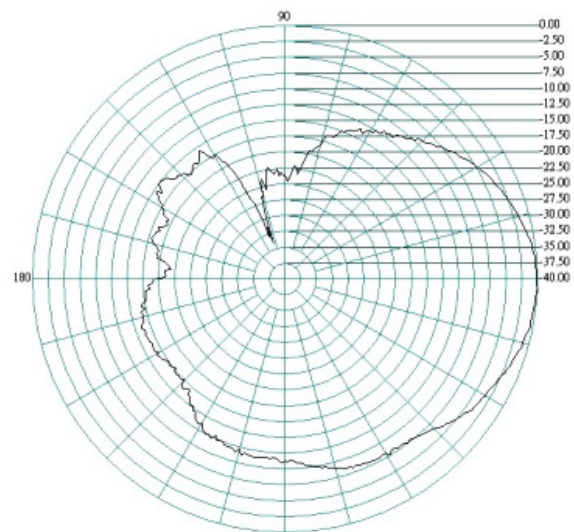
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2G/3G/4G/WiFi MIMO directional Antenna

E-Plane 2700MHz



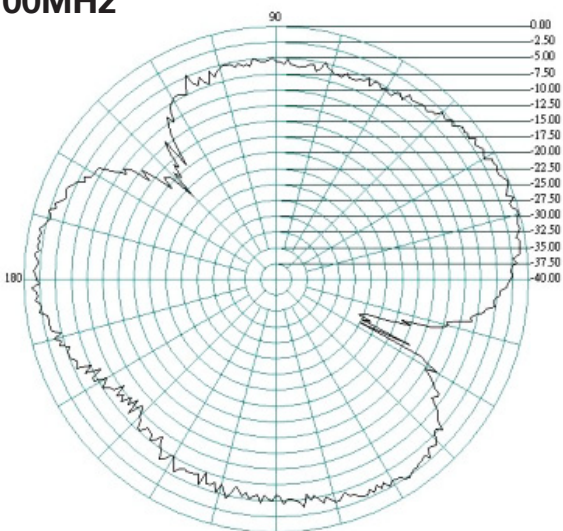
H-Plane



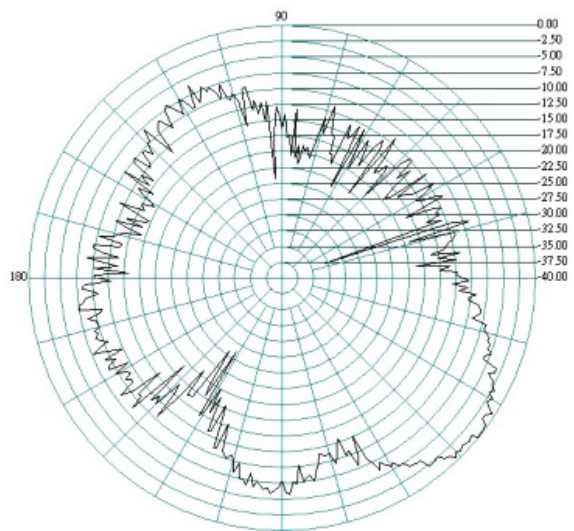
Radiation Patterns Port 2

E-Plane

700MHz



H-Plane



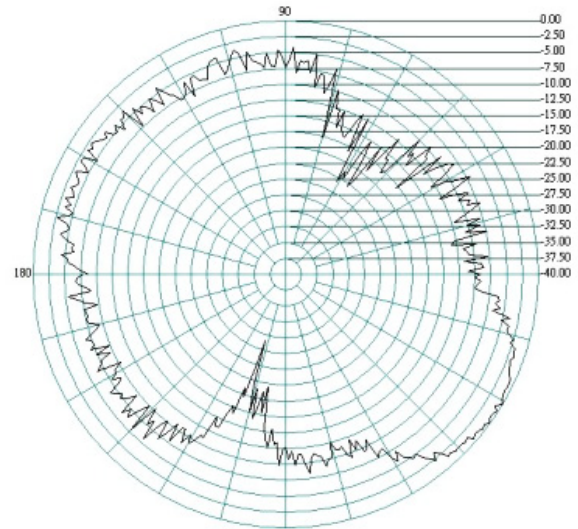
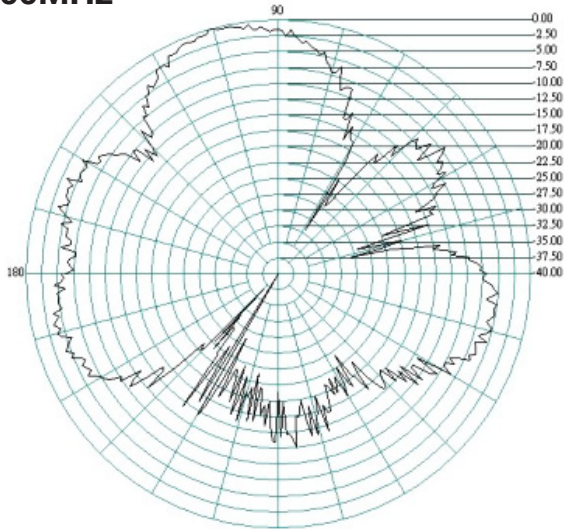
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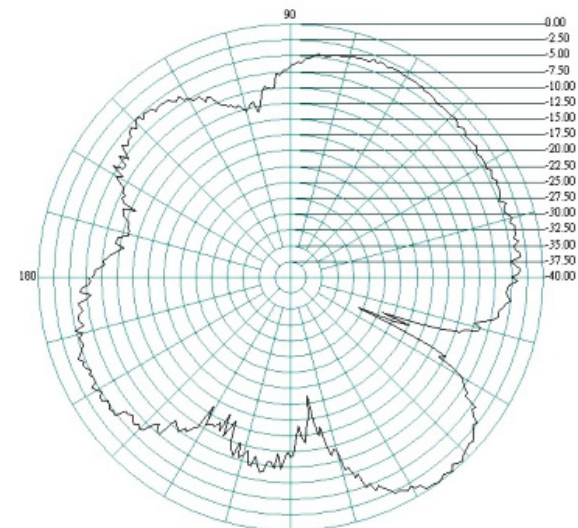
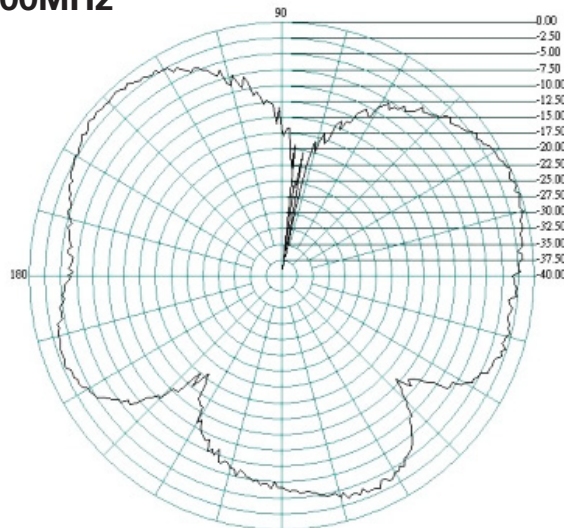
E-Plane

H-Plane

800MHz



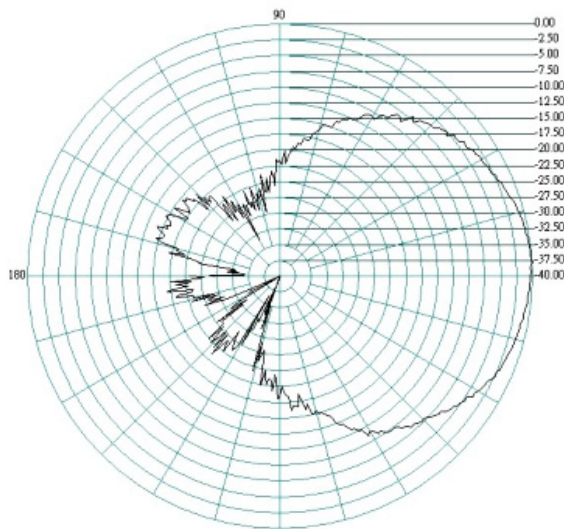
900MHz



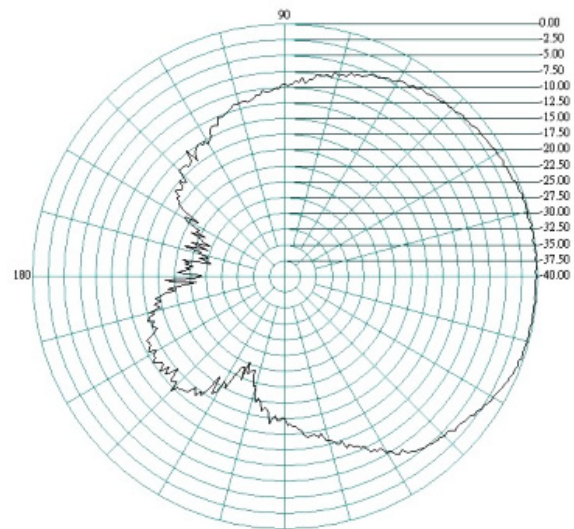
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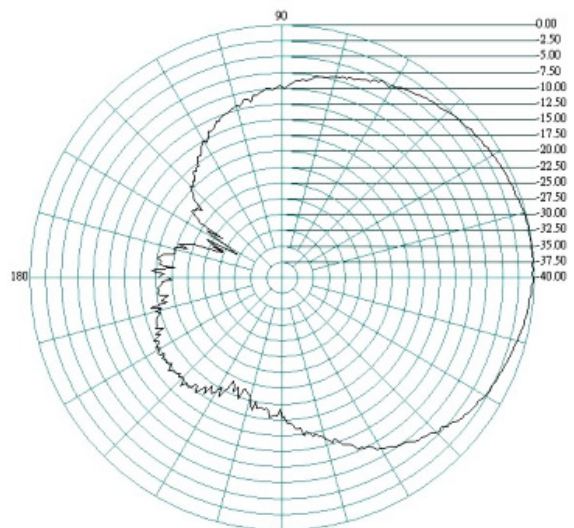
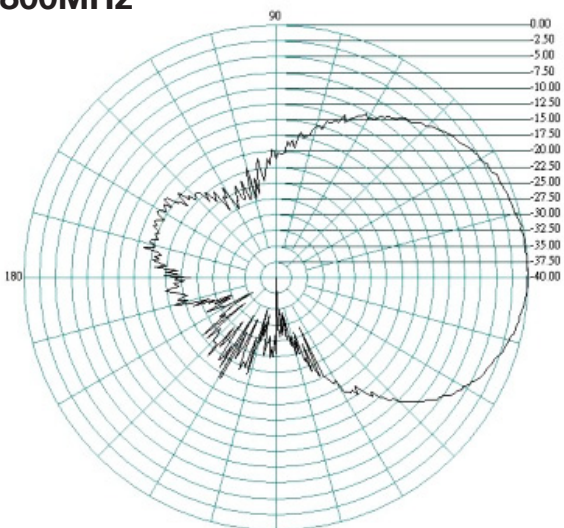
E-Plane 1700MHz



H-Plane



1800MHz



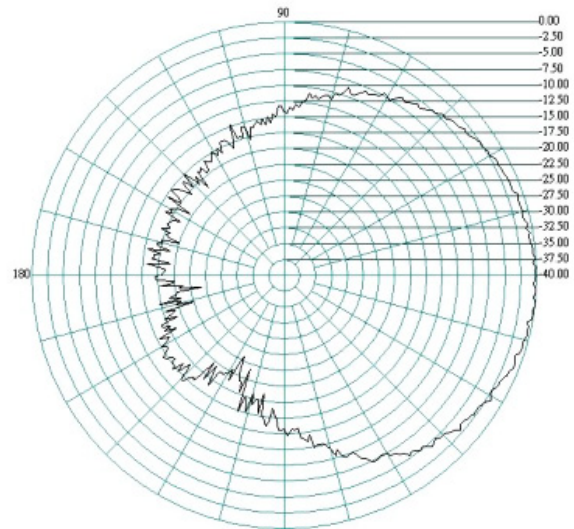
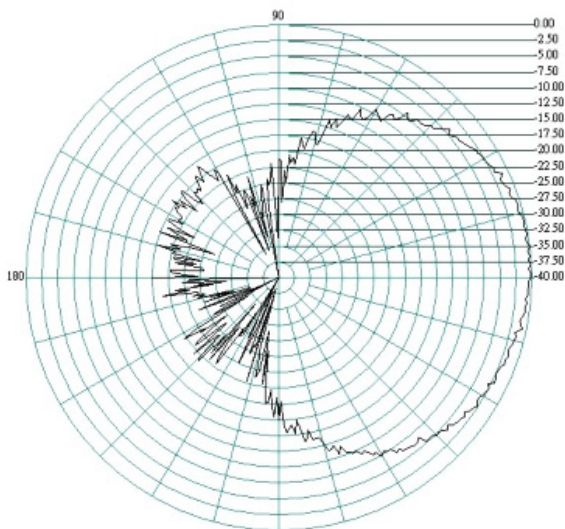
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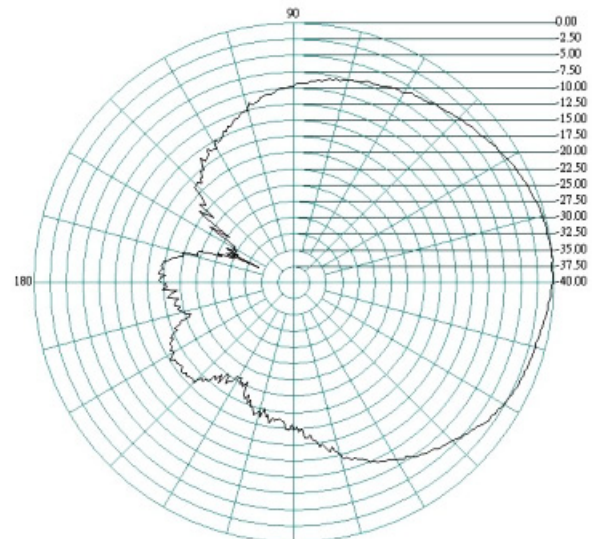
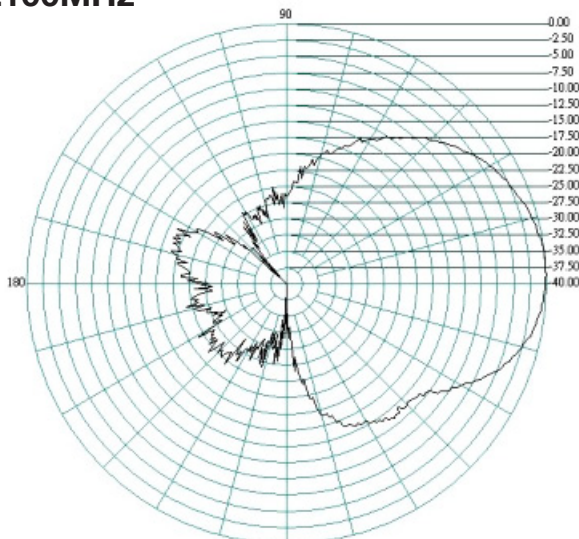
E-Plane

H-Plane

1900MHz



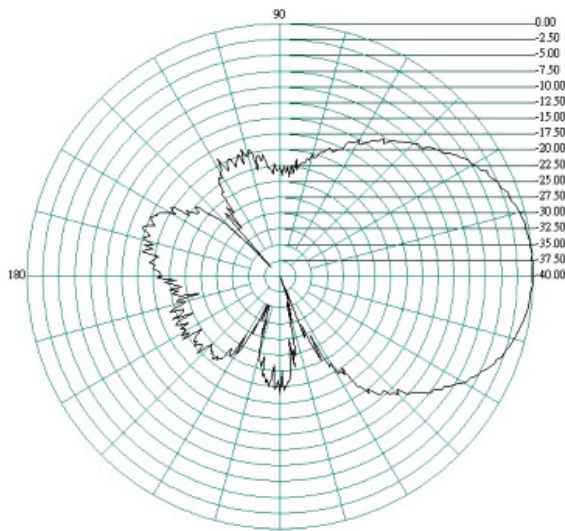
2100MHz



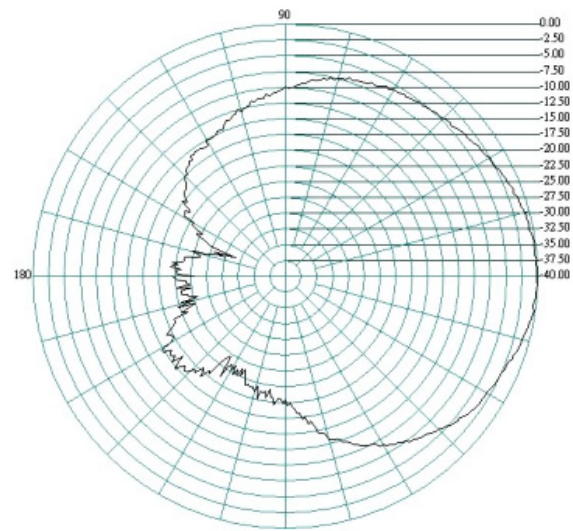
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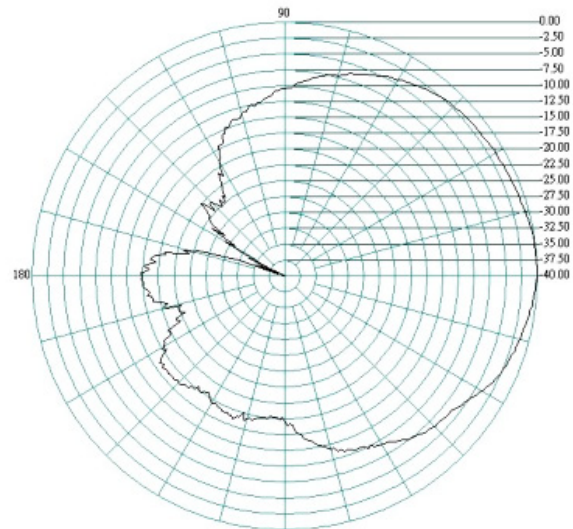
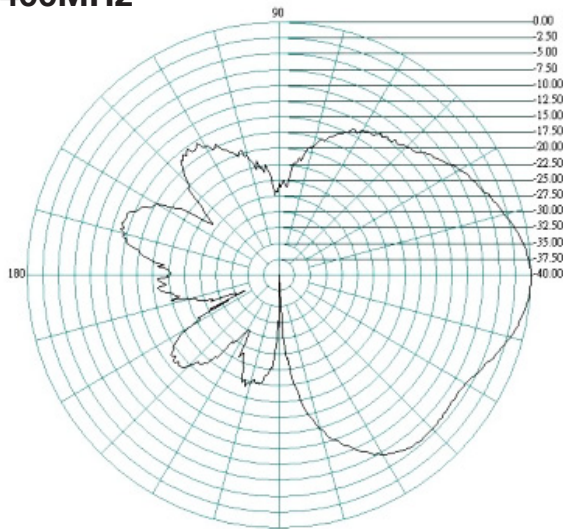
E-Plane 2200MHz



H-Plane



2400MHz



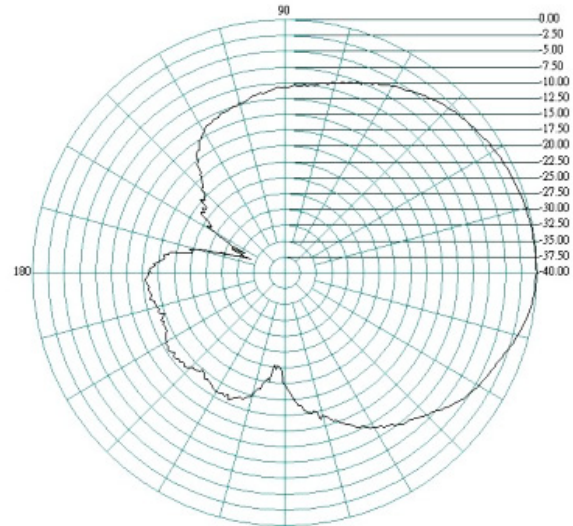
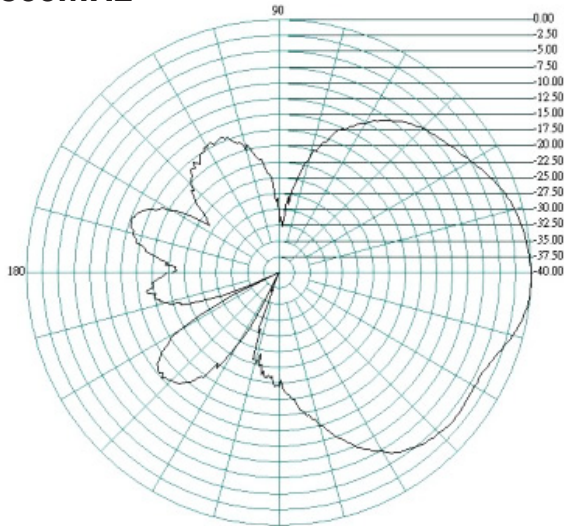
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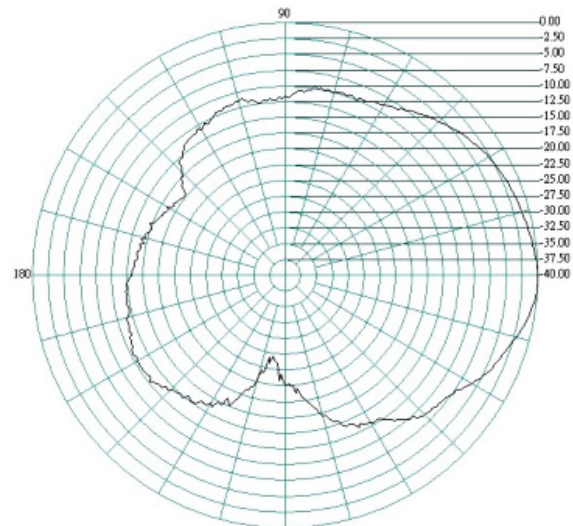
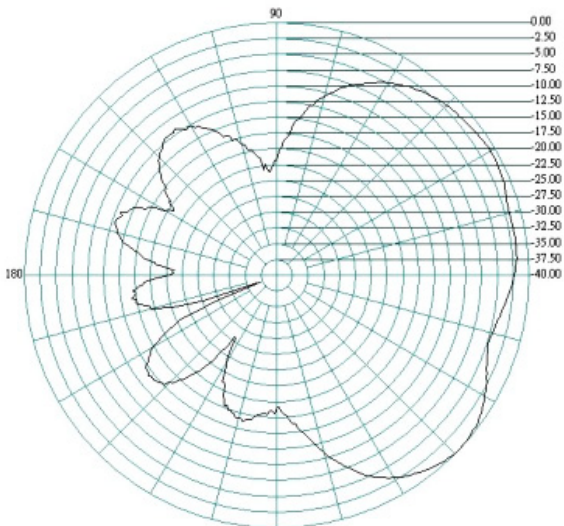
E-Plane

H-Plane

2500MHz



2700MHz



Ordering Details

Part Number

Description

OSCAR421/0.4M/NTYPEF/S/S/19 2G/3G/4G/WiFi MIMO directional antenna