



Oscar 421

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



Key Features

- Weather and UV Resistant
- MIMO Directional Antenna
- 9dBi Peak Gain

General Description

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

Ideal for use in sports arenas and shopping malls to provide either telephone or WiFi network access services. Fitted with 0.4M RG58 tails ready for connection to standard or low loss cable for extended distance to the Transmitter/Receiver.

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 standard mast mounting.

Additional Considerations

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

O Wall/Pole	2G GSM	3G UMTS	4G LTE
WLAN 2400	ISM 2450	BLE Bluetooth	ZB Zigbee



Oscar 421

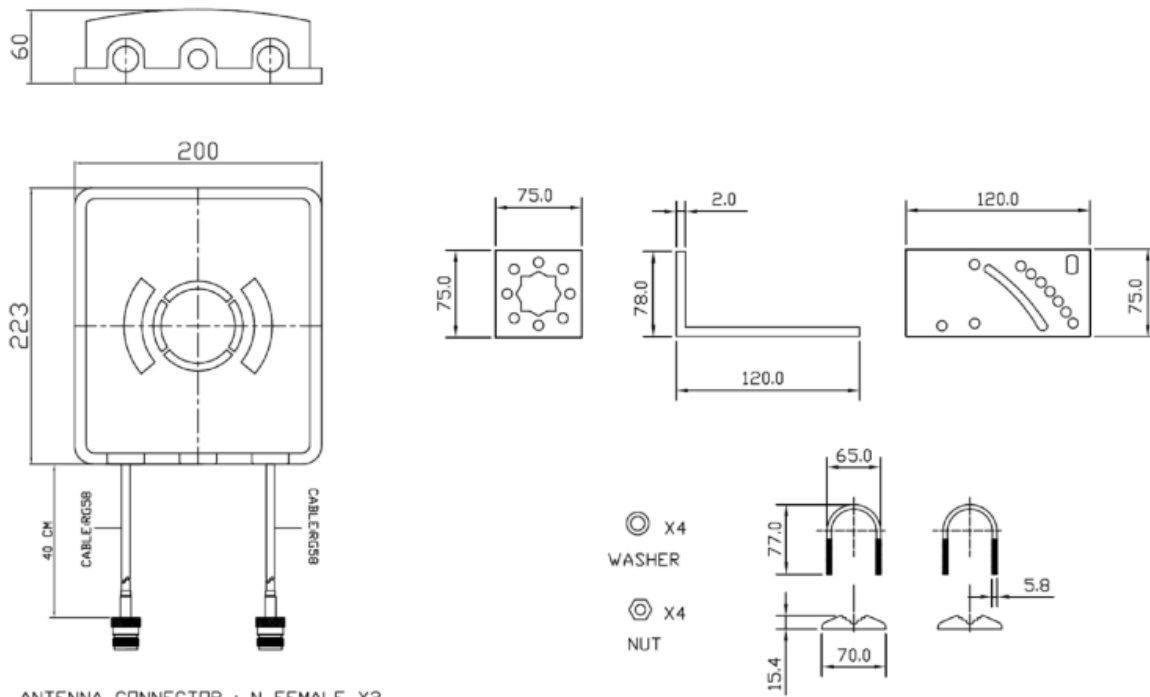
2G/3G/4G/WiFi MIMO directional Antenna

Electrical Specifications

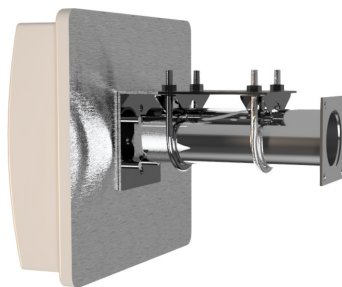
Frequency range:	700-960/1700-2700MHz
Gain:	700-960MHz 5dBi 1700-2700MHz 9dBi
VSWR:	≤ 2.5
Impedance:	50 Ohm
Polarization:	Linear Vertical

Mechanical Specifications

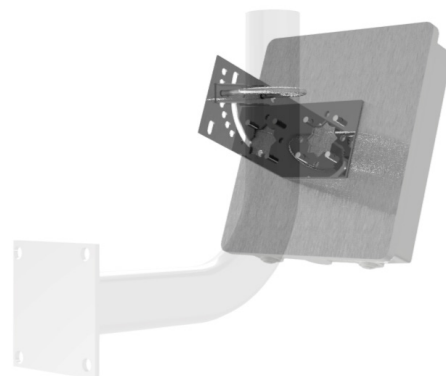
Dimensions:	L223 x W200 x H60mm
Connector:	N Female x2
Cable:	RG58
Material:	ABS Polymer
Mounting Method:	U-bolts



ANTENNA CONNECTOR : N FEMALE X2



Wall mount pole not included



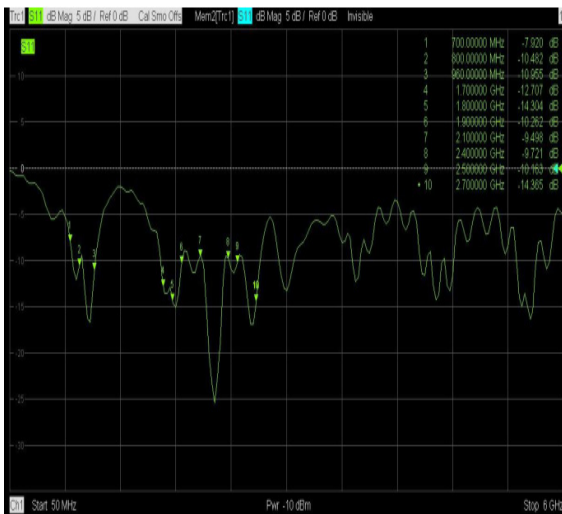
Wall mount pole not included



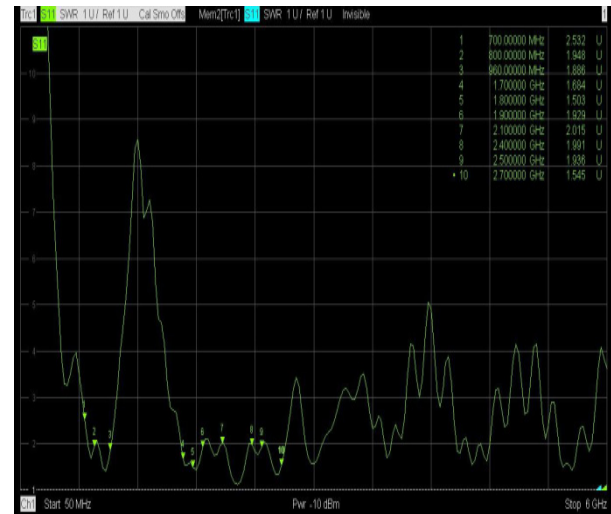
Oscar 421

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

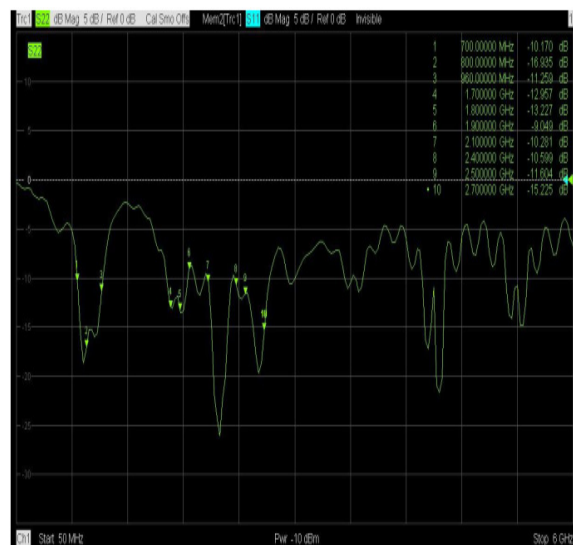
Antenna 1 Return Loss



VSWR



Antenna 2 Return Loss



VSWR





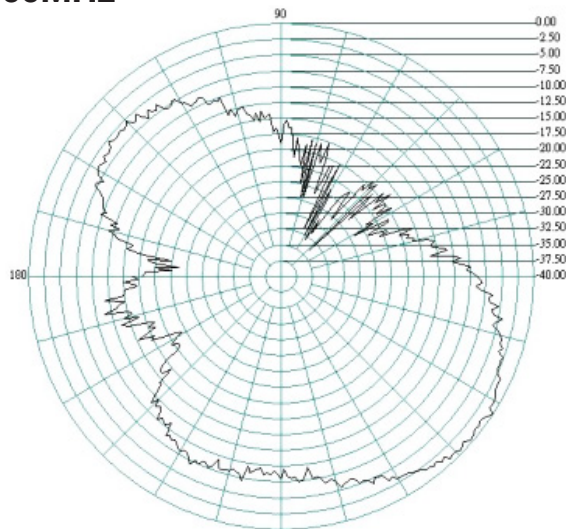
Oscar 421

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

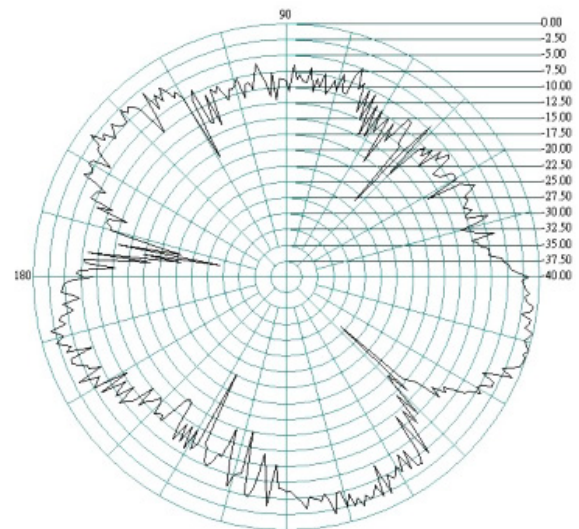
Radiation Patterns Port 1

E-Plane

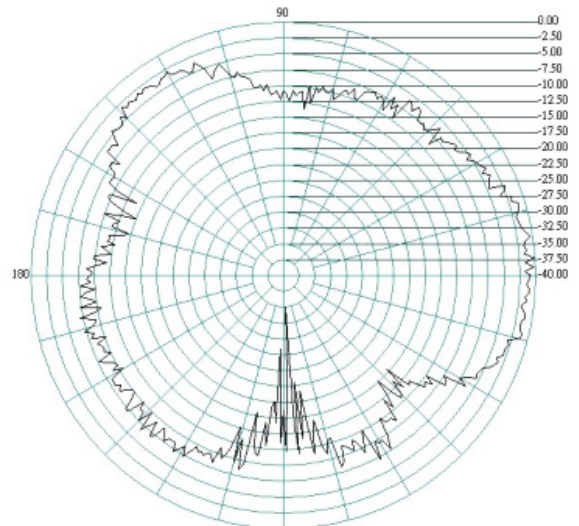
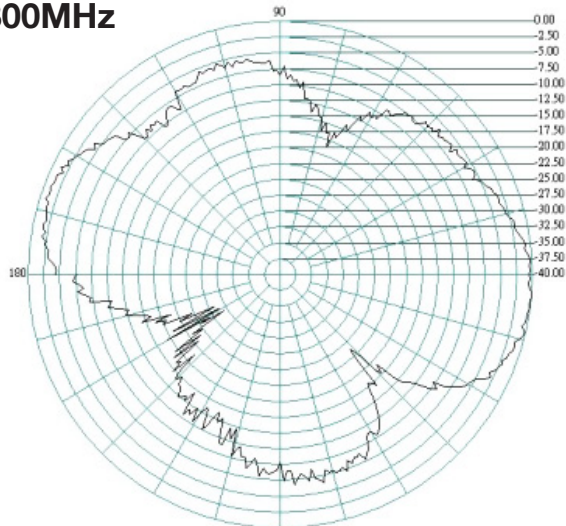
700MHz



H-Plane



800MHz





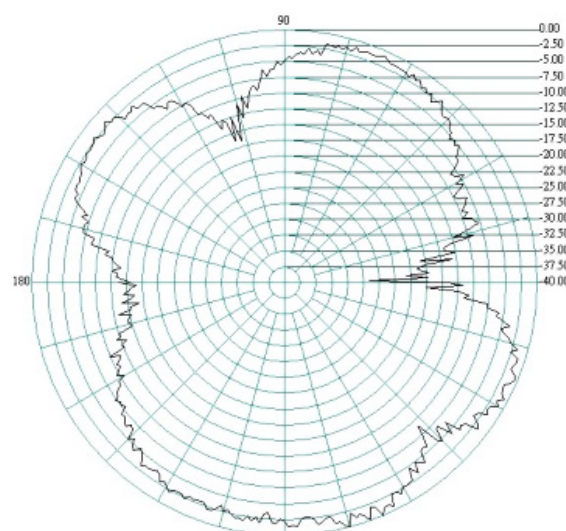
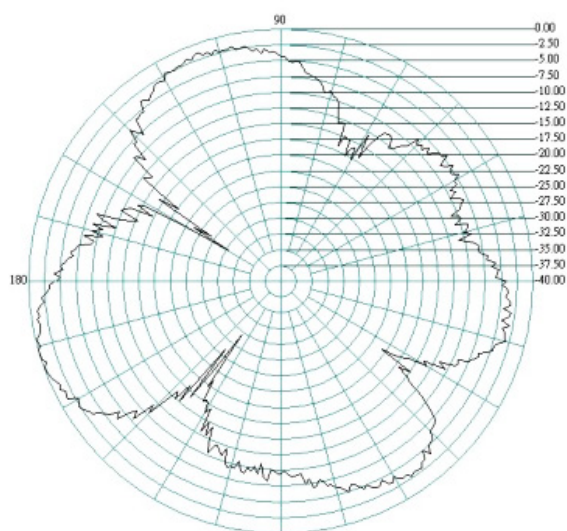
Oscar 421

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

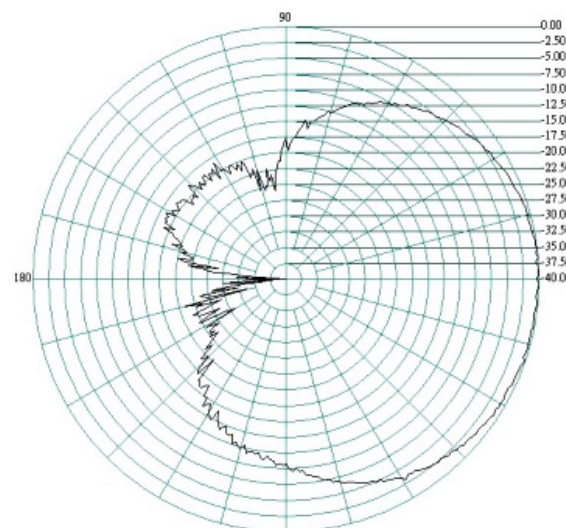
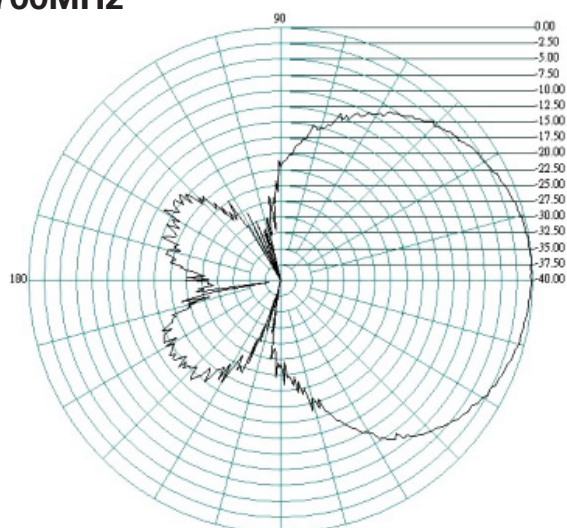
E-Plane

H-Plane

900MHz



1700MHz



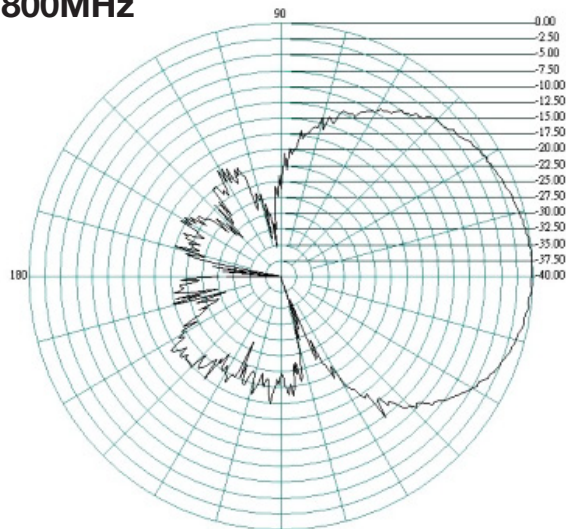


Oscar 421

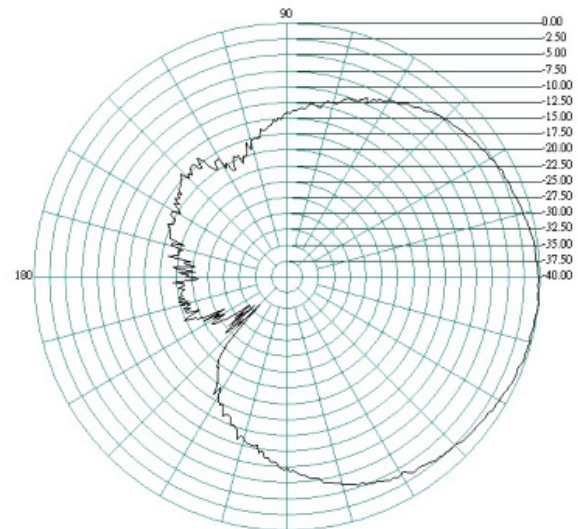
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

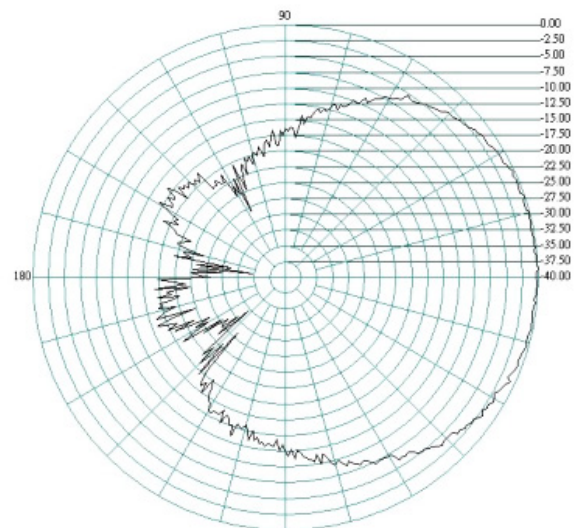
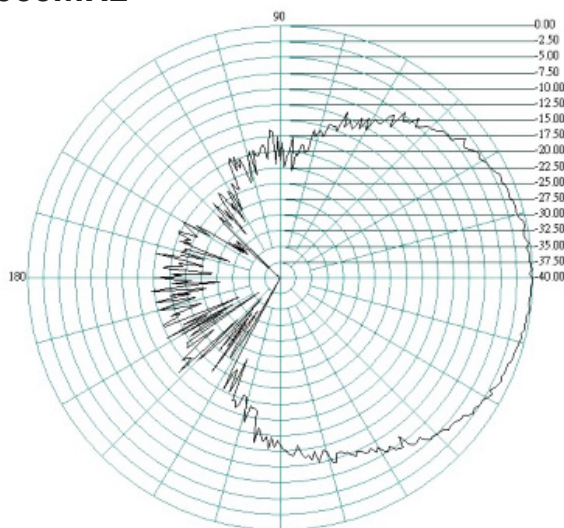
1800MHz



H-Plane



1900MHz

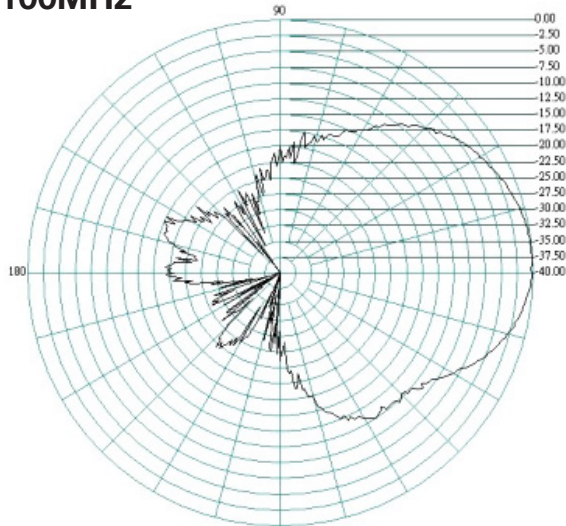




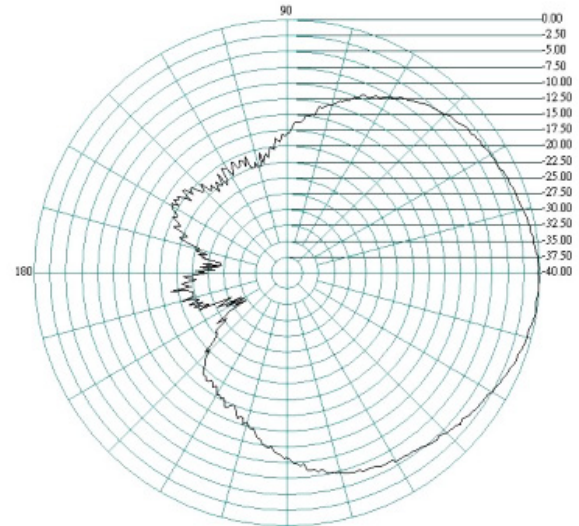
Oscar 421

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

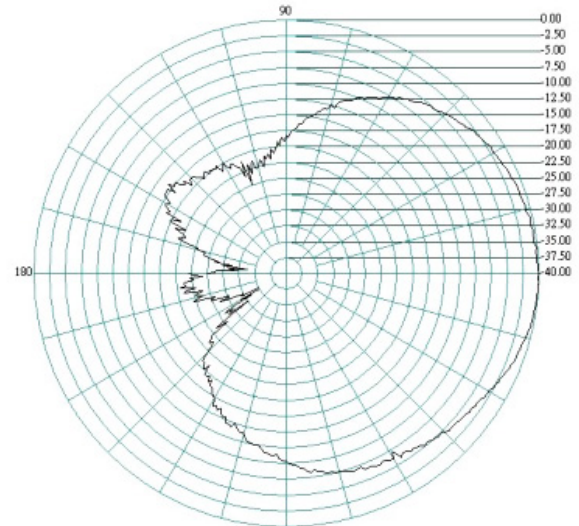
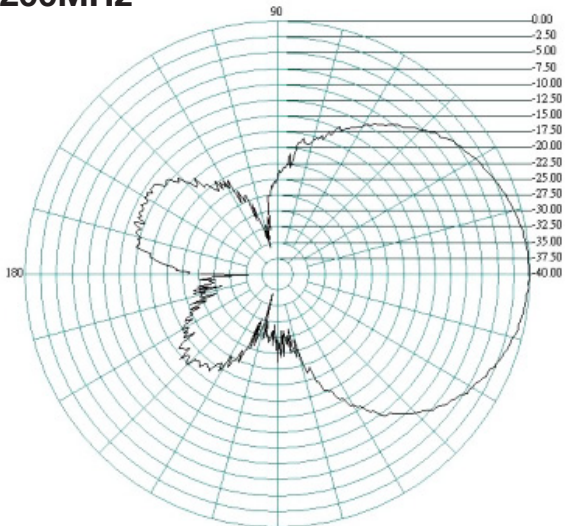
E-Plane 2100MHz



H-Plane



2200MHz

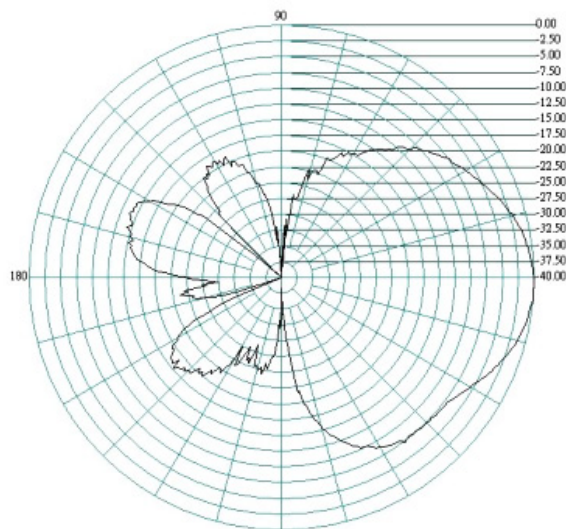




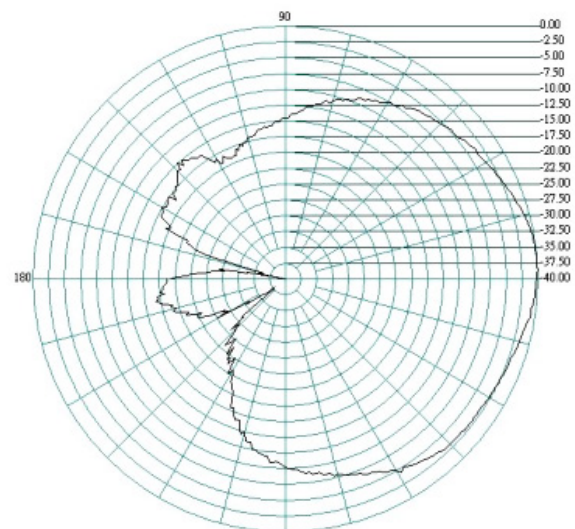
Oscar 421

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

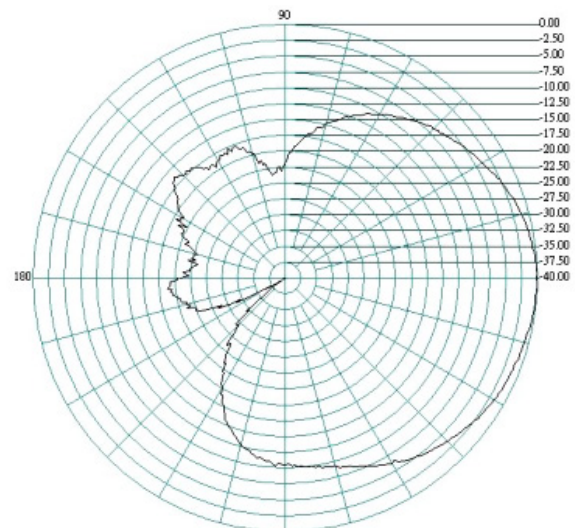
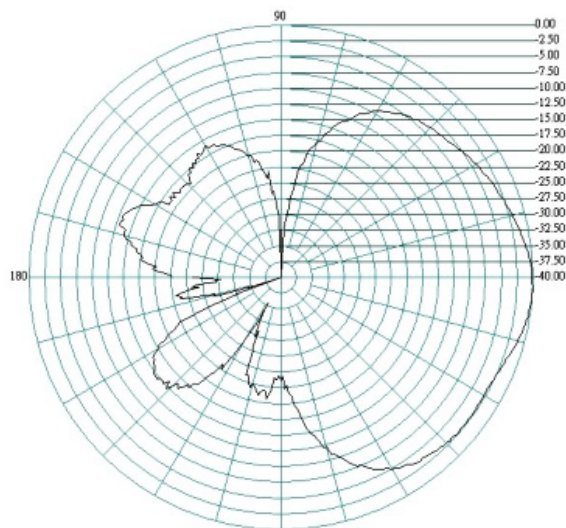
E-Plane 2400MHz



H-Plane



2500MHz

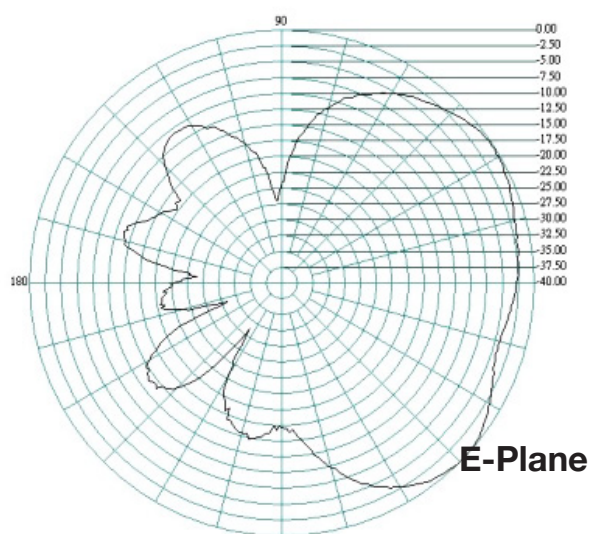


Oscar 421

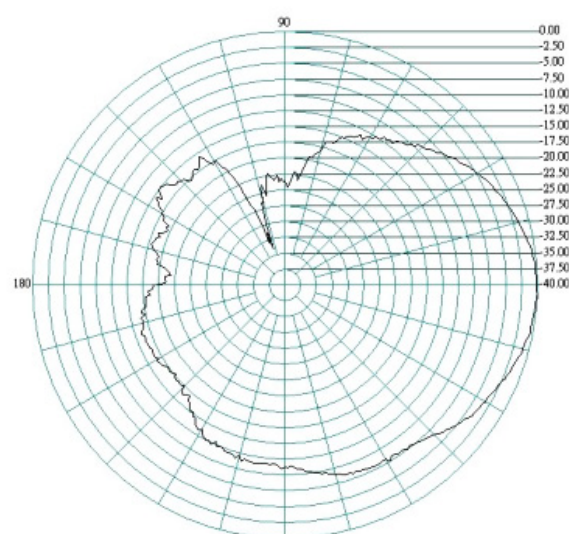
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

2700MHz



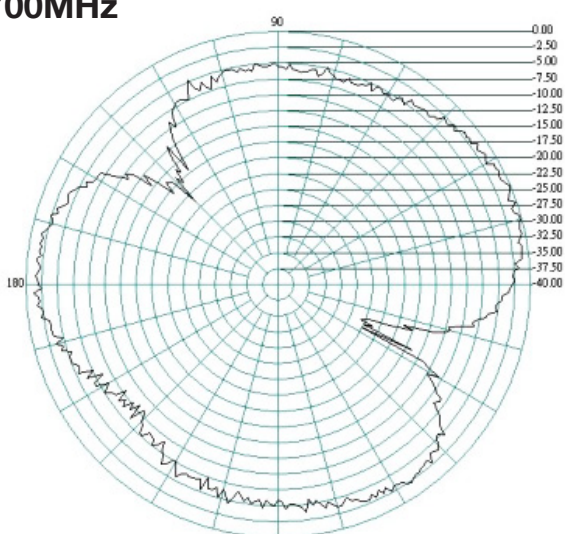
H-Plane



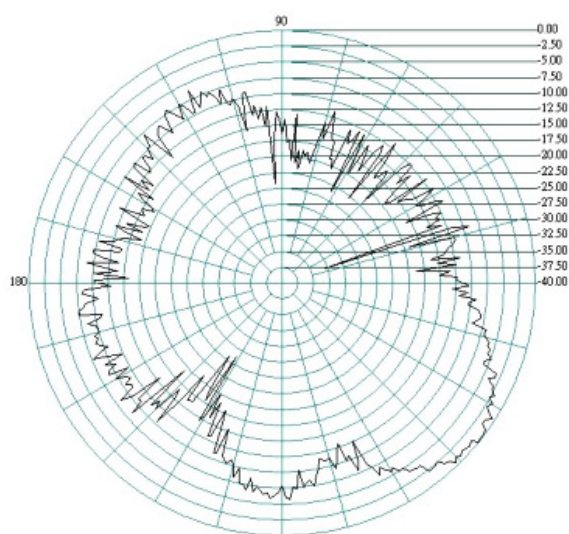
Radiation Patterns Port 2

E-Plane

700MHz



H-Plane



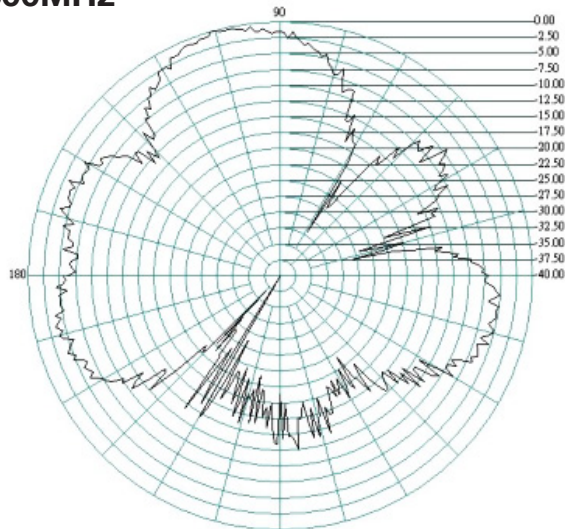


Oscar 421

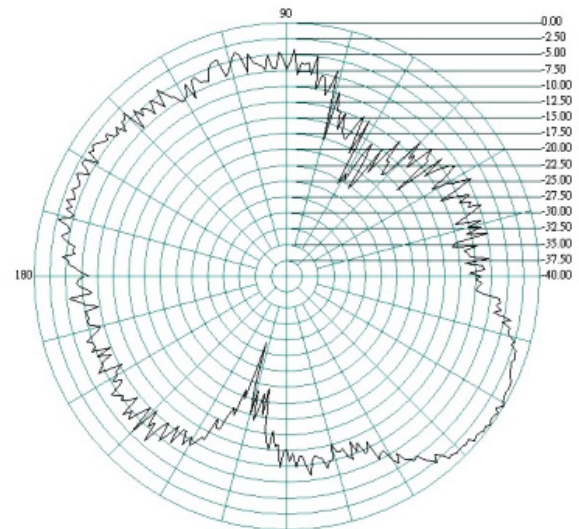
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

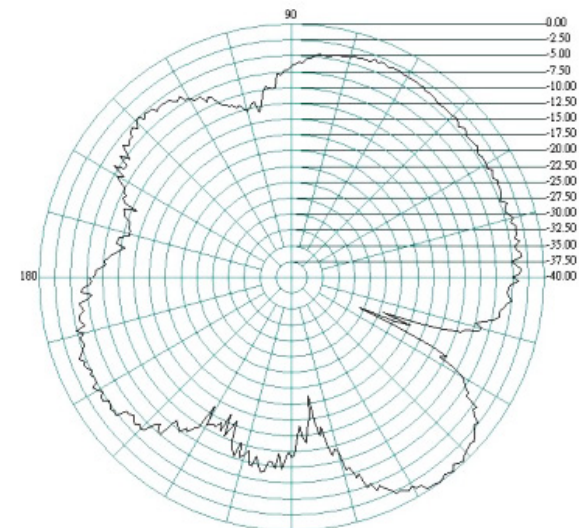
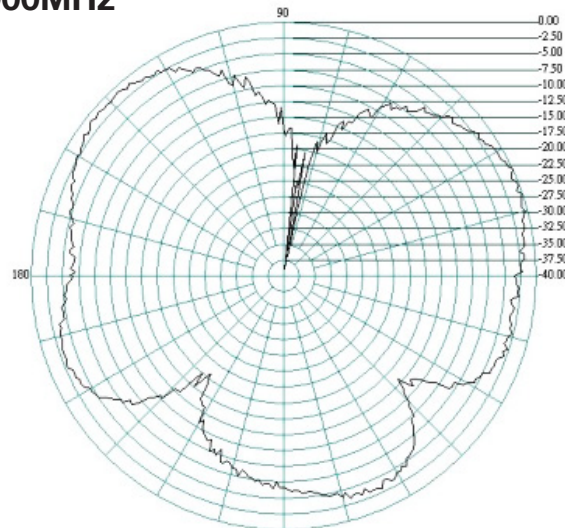
800MHz



H-Plane



900MHz

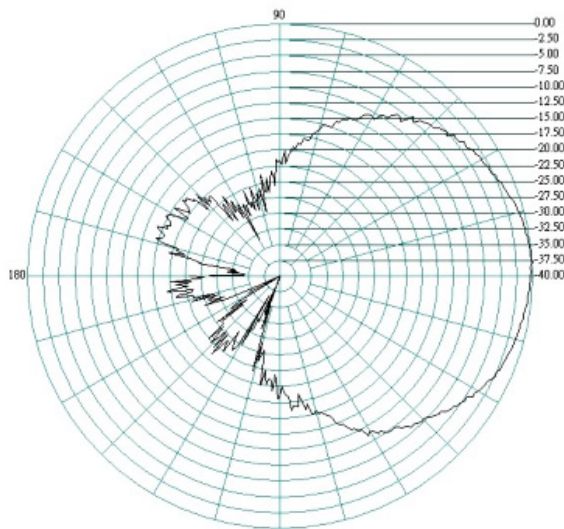




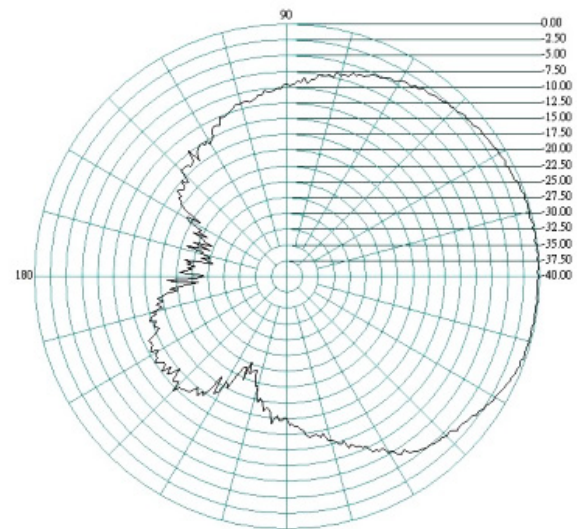
Oscar 421

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

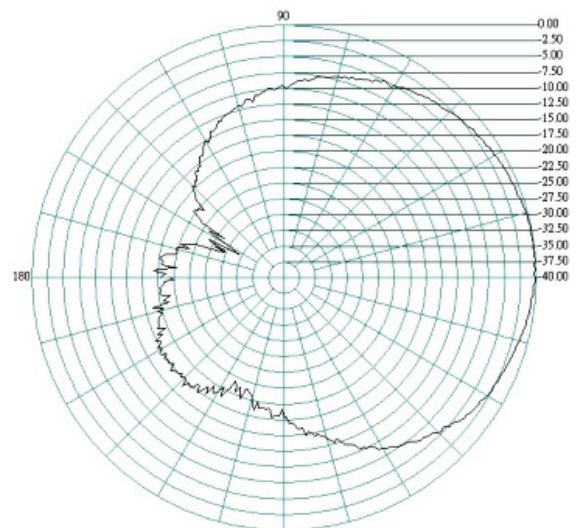
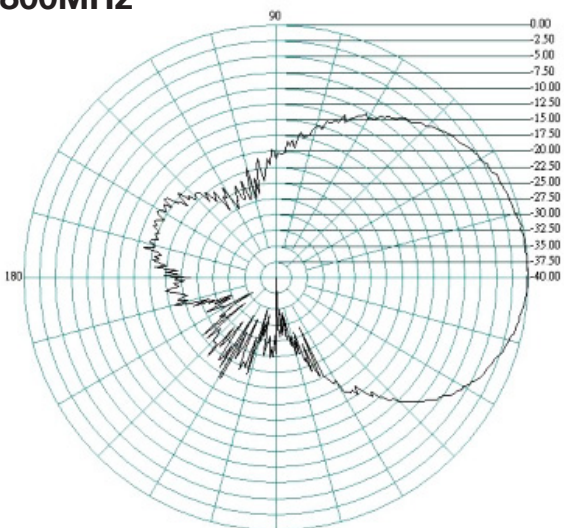
E-Plane 1700MHz



H-Plane



1800MHz



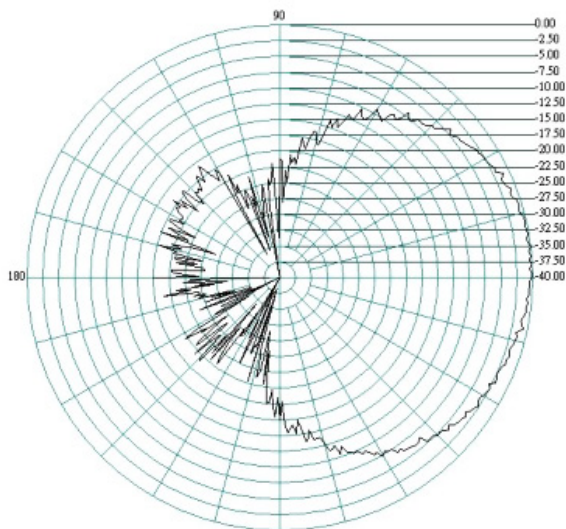


Oscar 421

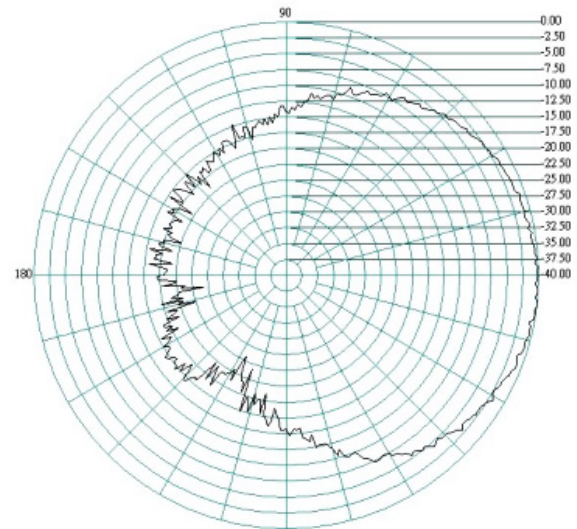
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

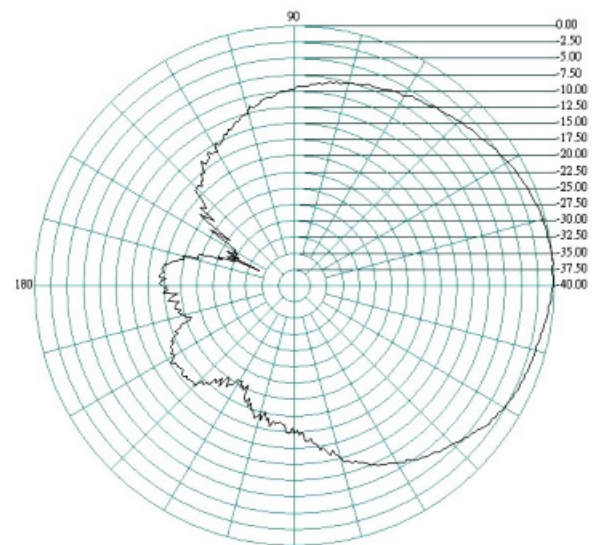
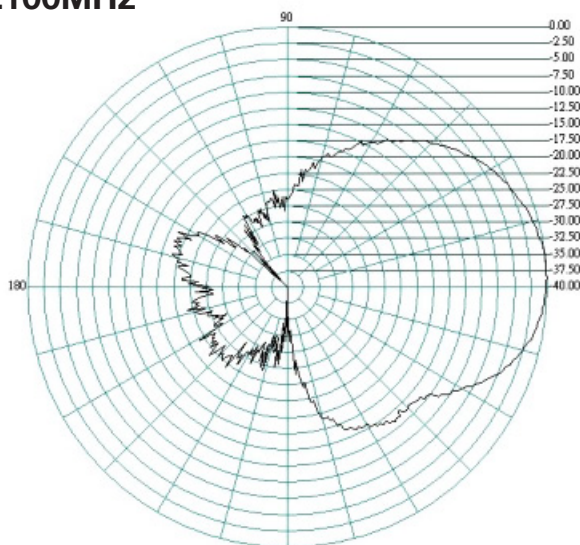
1900MHz



H-Plane



2100MHz

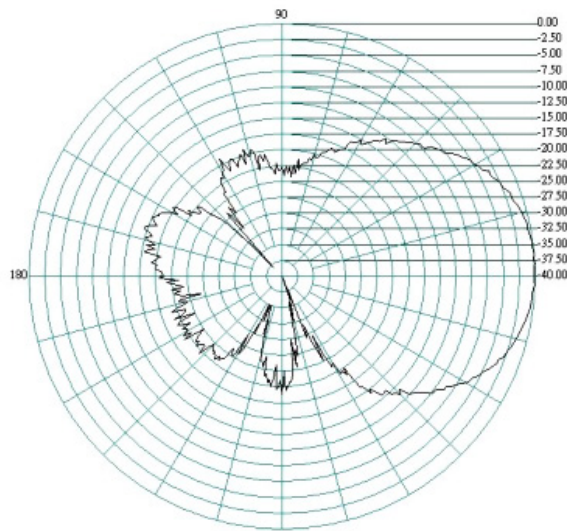




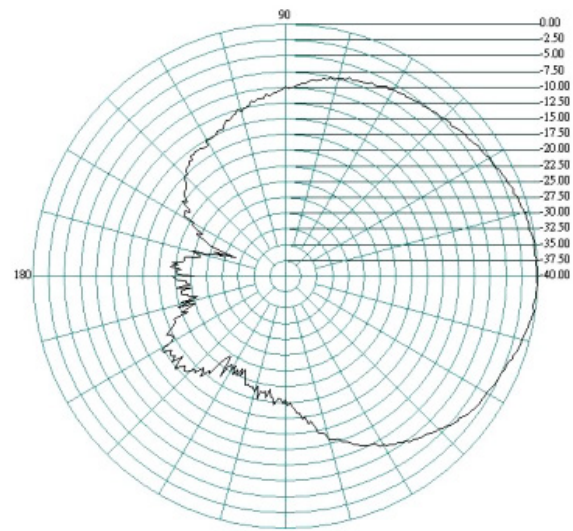
Oscar 421

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

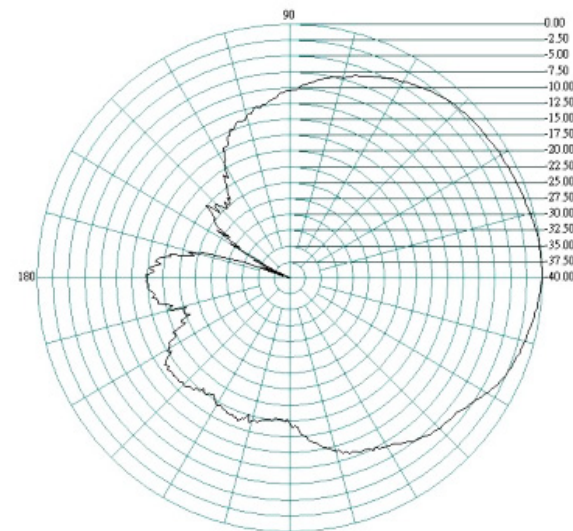
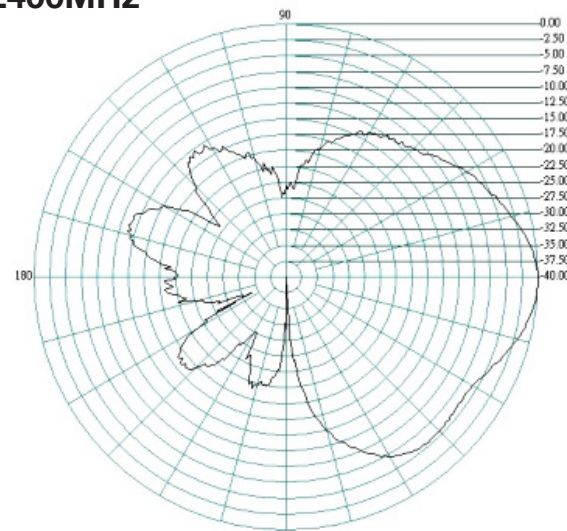
E-Plane 2200MHz



H-Plane



2400MHz



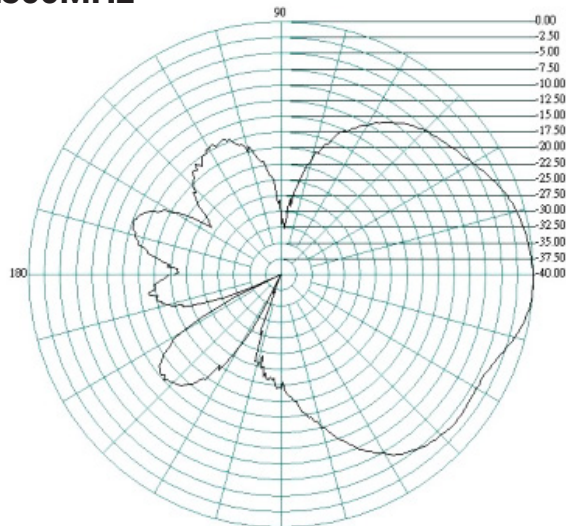


Oscar 421

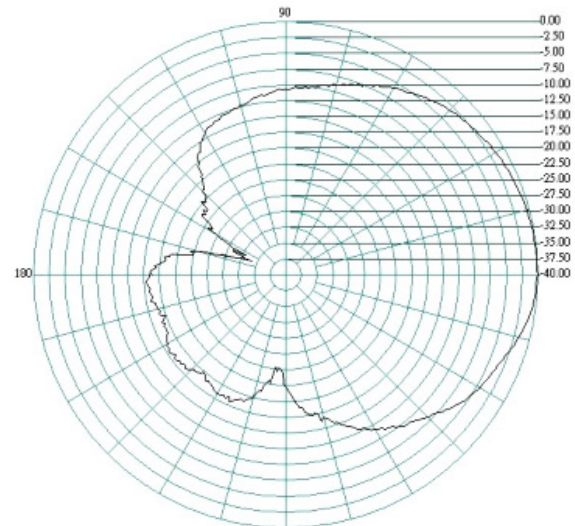
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

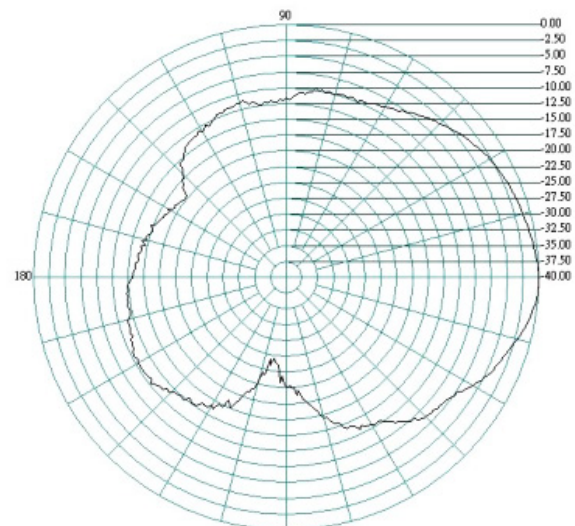
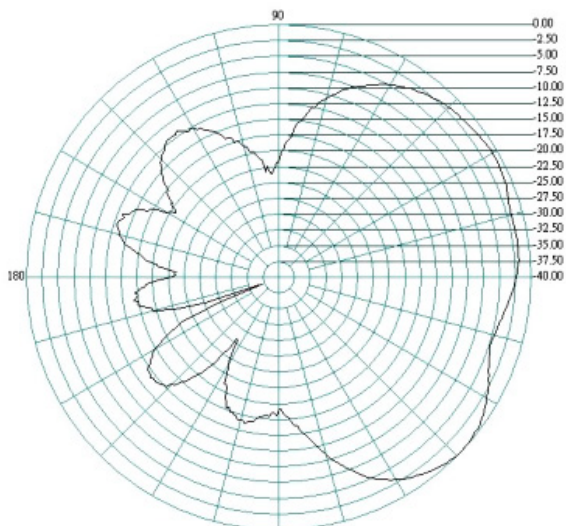
2500MHz



H-Plane



2700MHz



Ordering Details

Part Number

Description

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