

Oscar 420

3G/4G/WiFi MIMO Omni-directional Antenna



Key Features

- Weatherproof and UV Resistant
- MIMO Antenna
- Excellent peak gain at higher frequencies

General Description

The Oscar 420 is a great antenna covering many popular frequencies in use today.

Its radome is UV resistant and waterproof making it a great outdoor antenna.

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

The Oscar 420 is fitted with an aluminium bracket for wall mounting and comes supplied with a clamp for fitting to a standard mast.

Additional Considerations

- Waterproof and UV resistant
- Covers a wide range of frequencies

Oscar 420

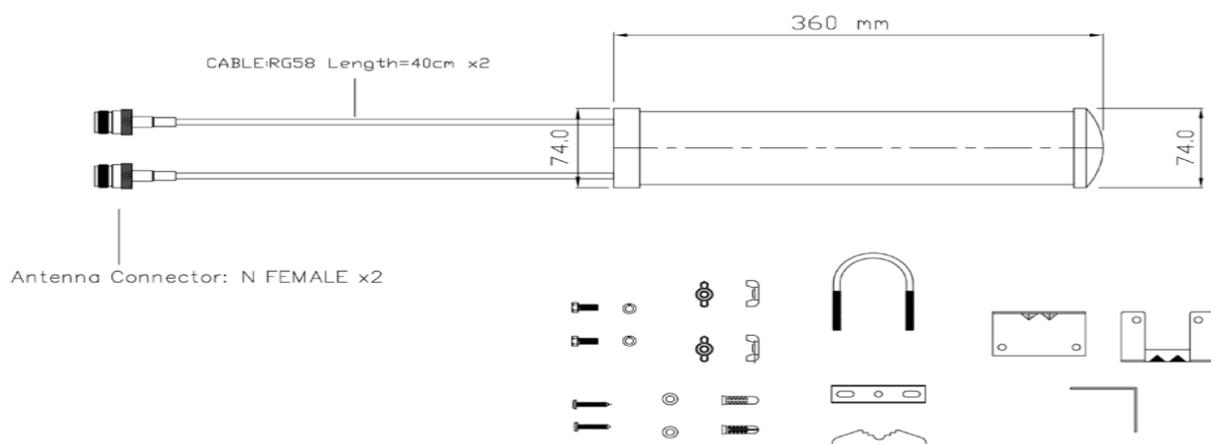
3G/4G/WiFi MIMO Omni-directional Antenna

Electrical Specifications

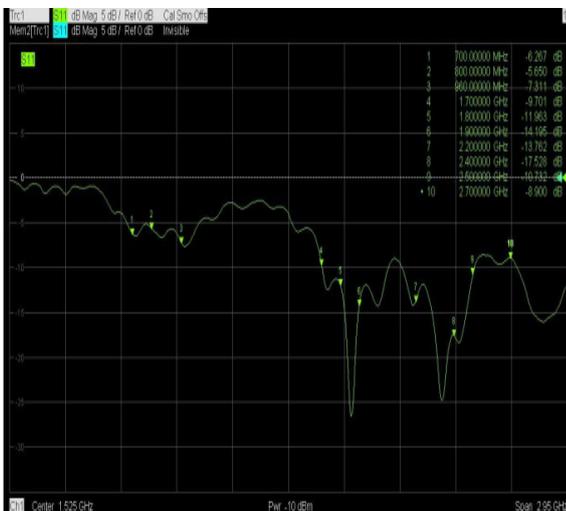
| | |
|--------------------|--------------------------------------|
| Temperature range: | -30 - +70°C |
| Gain: | 700-960MHz 3dBi 1700-2700MHz 7dBi |
| VSWR: | <=3.2 |
| Frequency range: | 700-960MHz 1700-2700MHz |
| Polarization: | Vertical |
| Wind Load: | 120Km/h |

Mechanical Specifications

| | |
|------------------|----------------------|
| Dimensions: | L360 x W74 x H74mm Ø |
| Connector: | N Female x2 |
| Cable: | RG58 |
| Mounting method: | U-bolts |



Antenna 1 Return Loss



VSWR



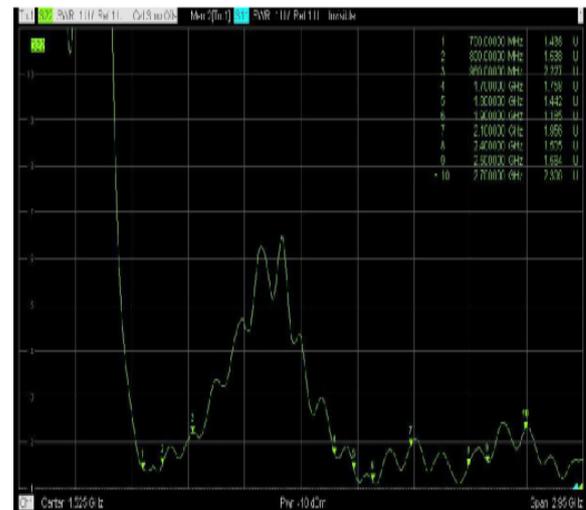
Oscar 420

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Antenna 2 Return Loss



VSWR



Ordering Details

| Part Number | Description |
|-------------|-------------|
|-------------|-------------|

| | |
|-----------------------------|--|
| OSCAR420/0.4M/NTYPEF/S/S/19 | 3G/4G/WiFi MIMO Omni-directional antenna |
|-----------------------------|--|

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Registered in England No. 08405712
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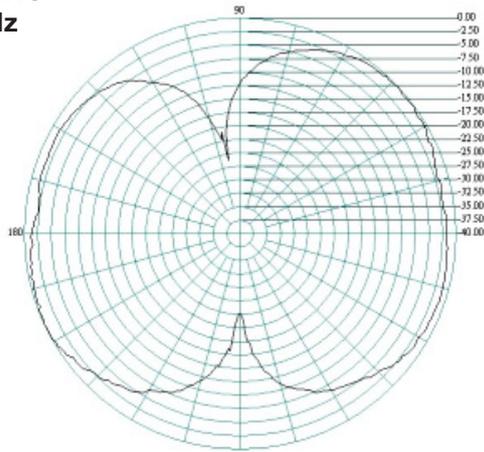
Rev 1.0

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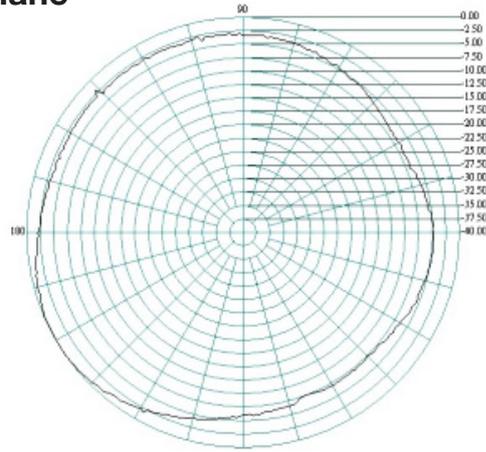
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Radiation Patterns Antenna 1

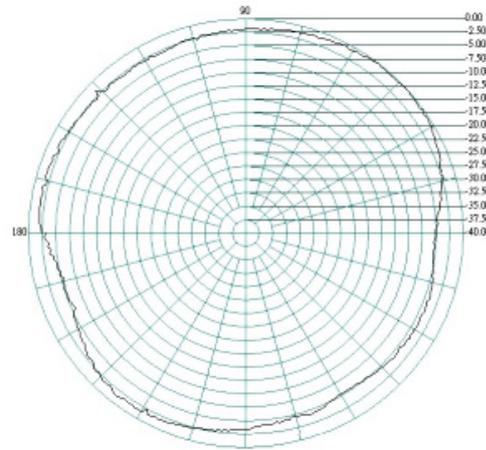
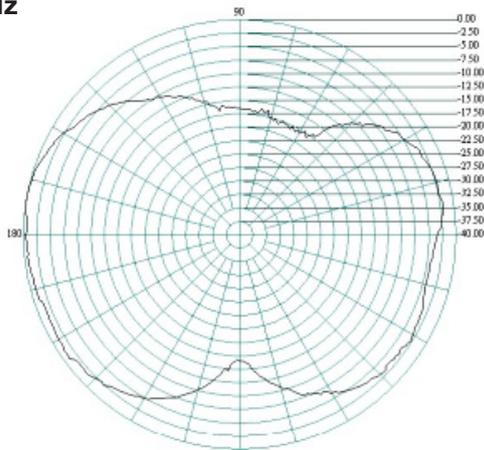
E-Plane
700MHz



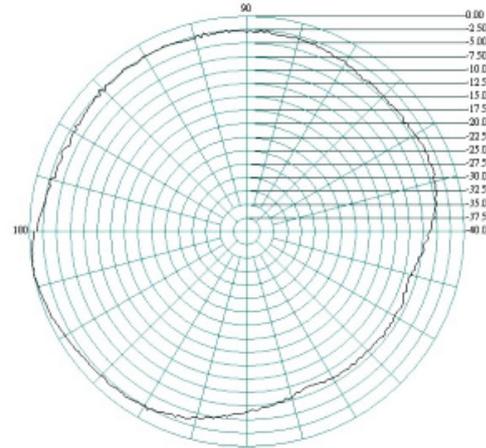
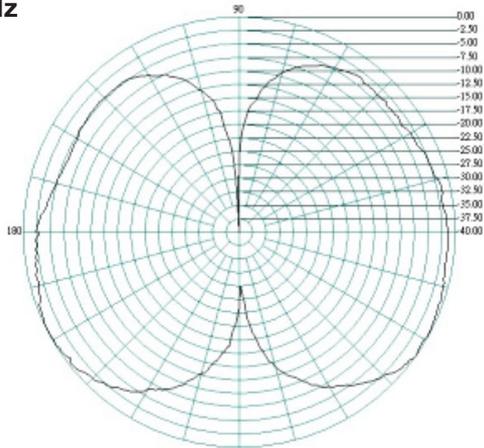
H-Plane



800MHz



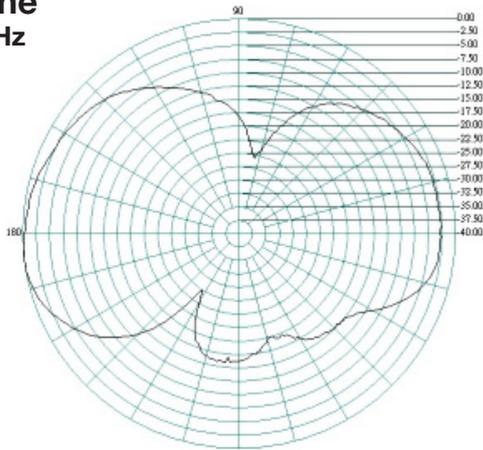
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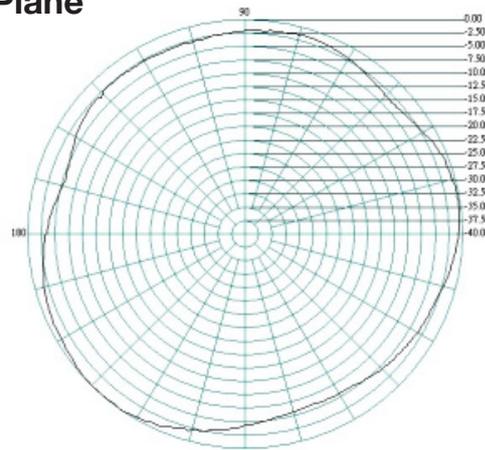
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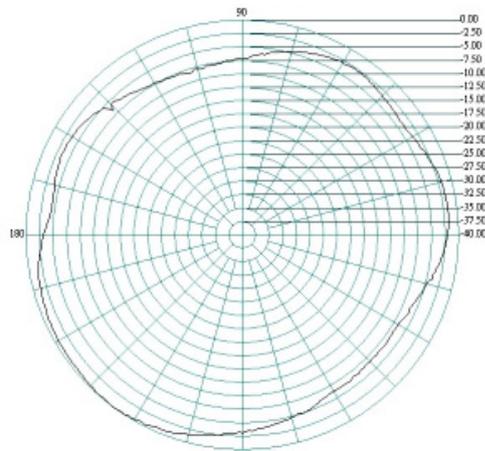
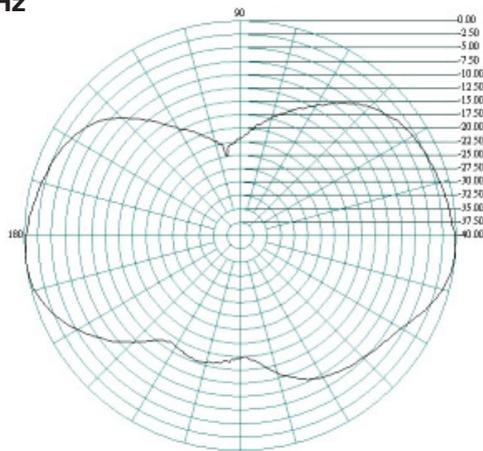
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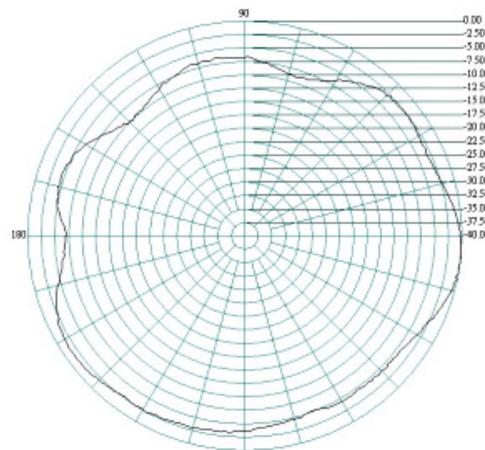
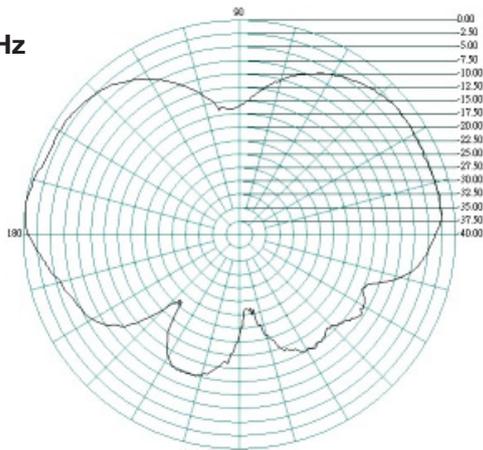
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1800MHz



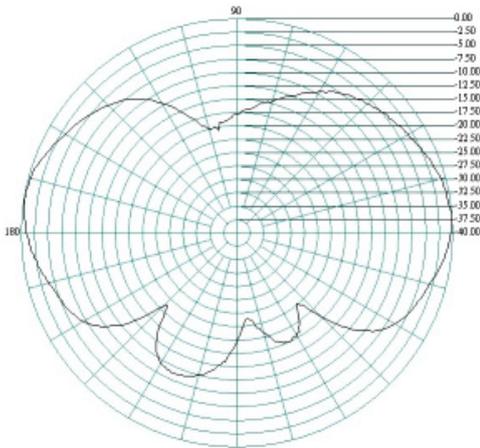
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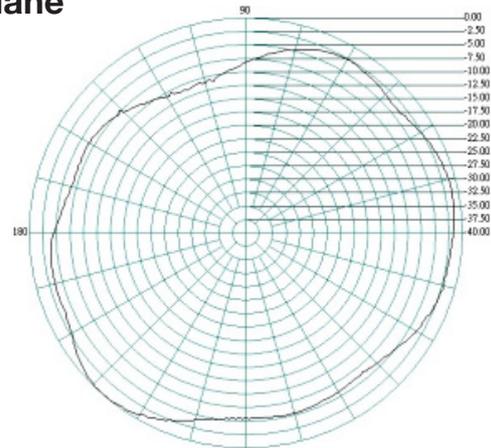
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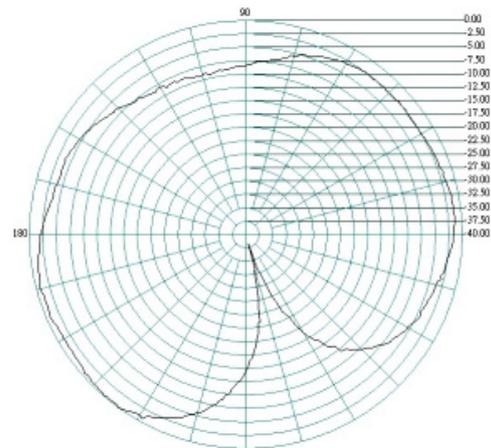
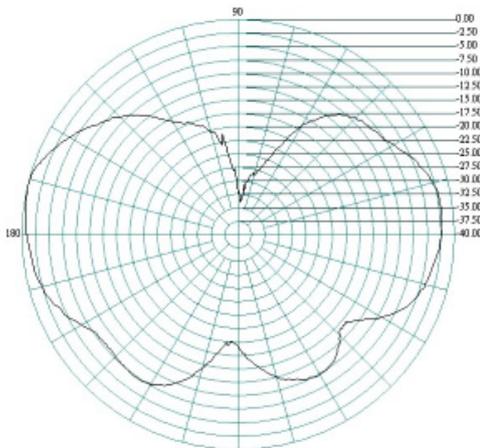
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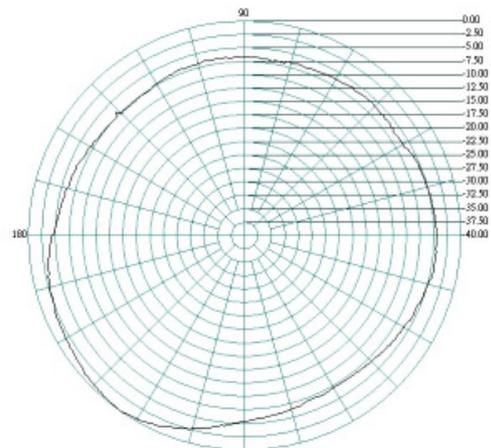
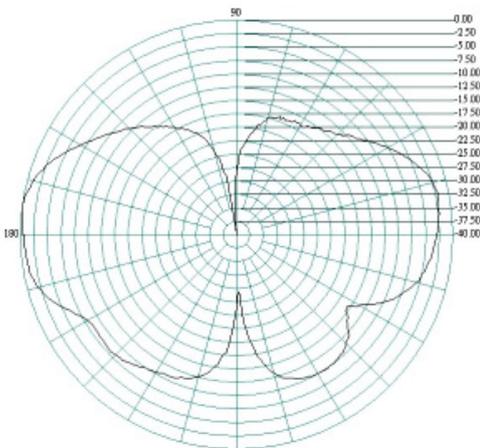
H-Plane



2200MHz



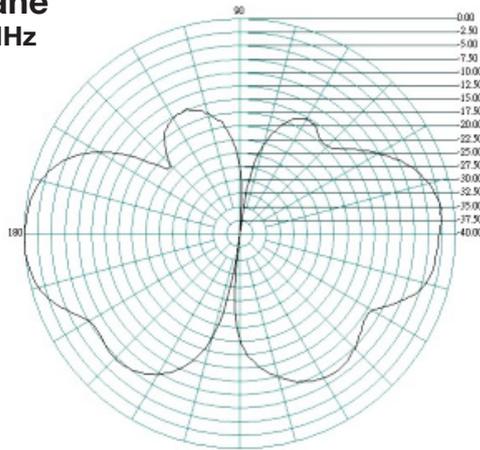
2400MHz



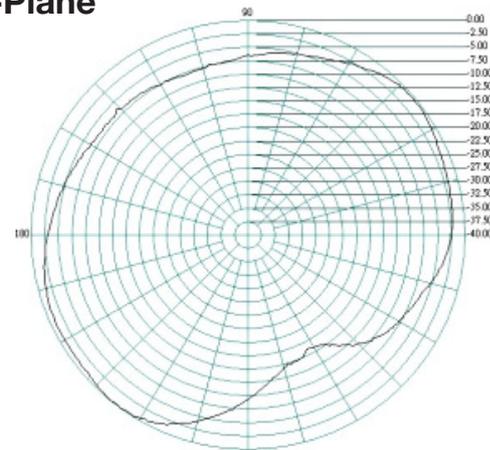
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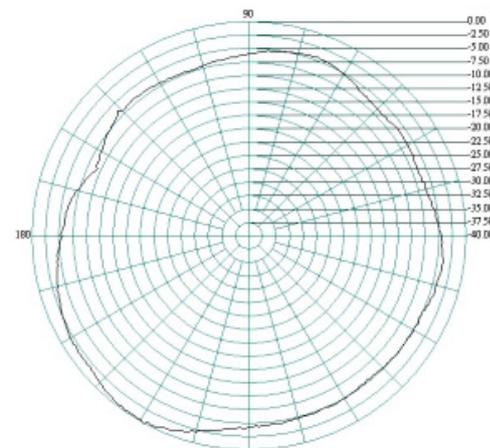
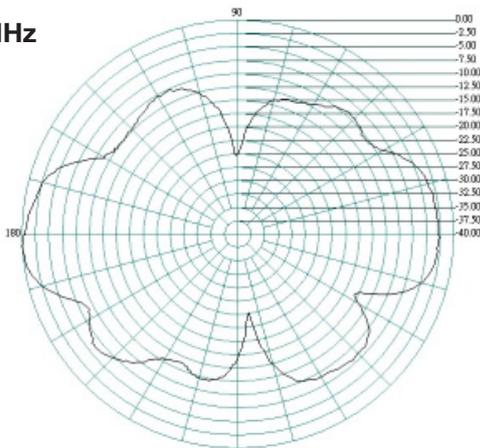
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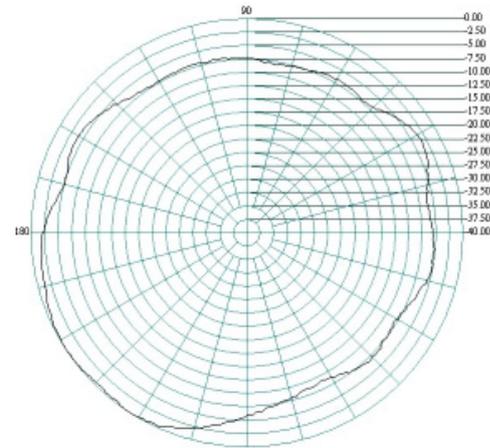
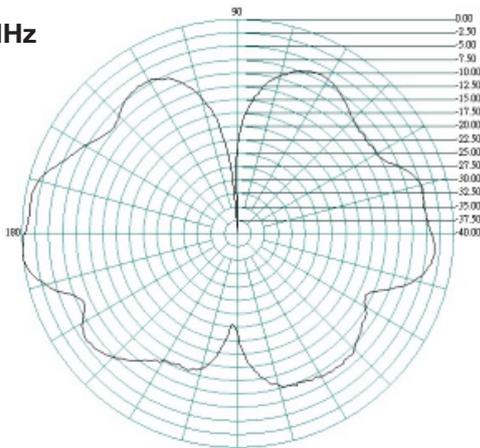
H-Plane



2600MHz



2700MHz

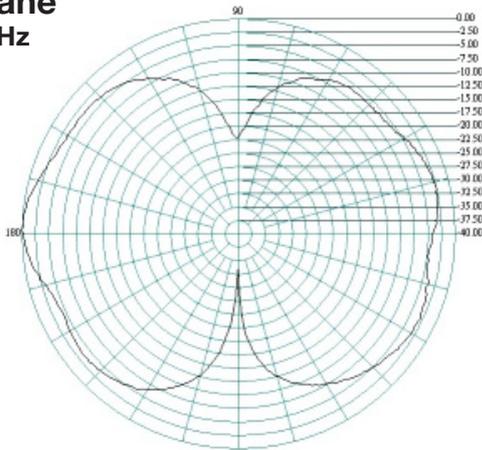


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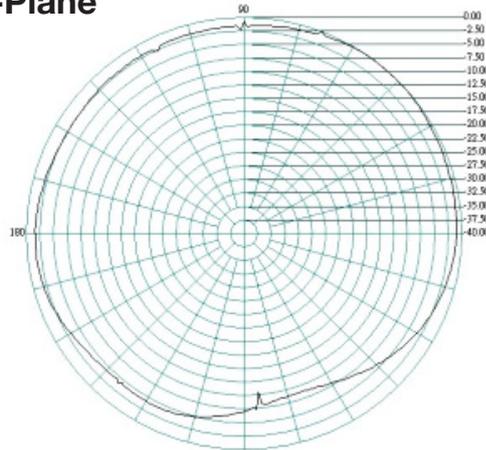
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Radiation Patterns Antenna 2

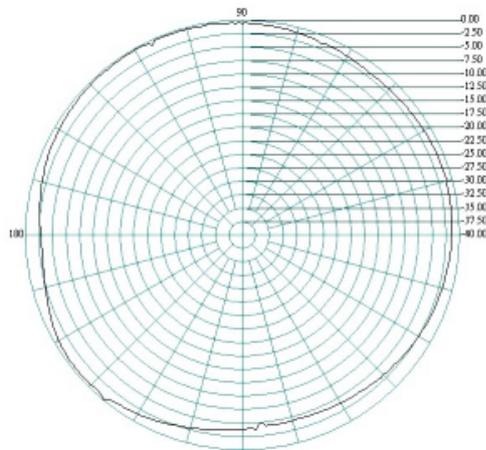
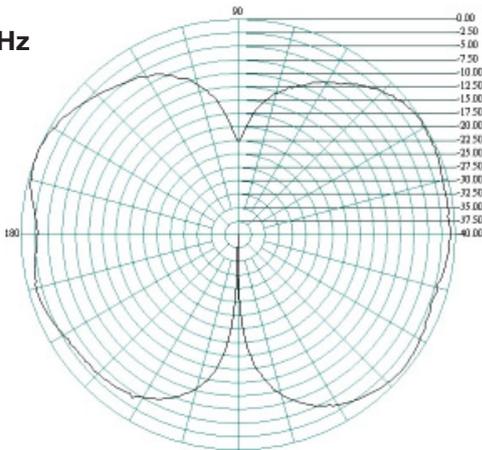
E-Plane
700MHz



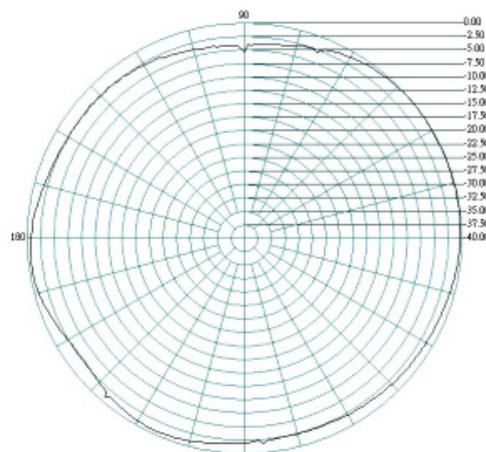
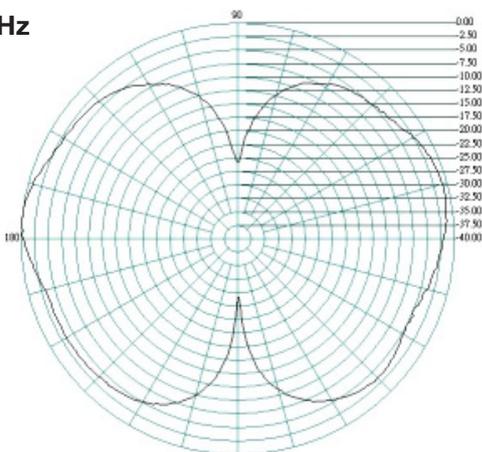
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800MHz



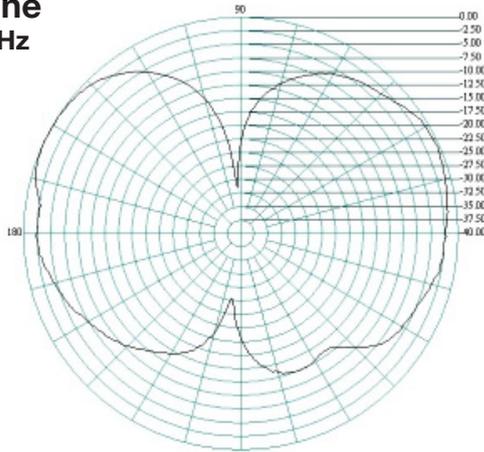
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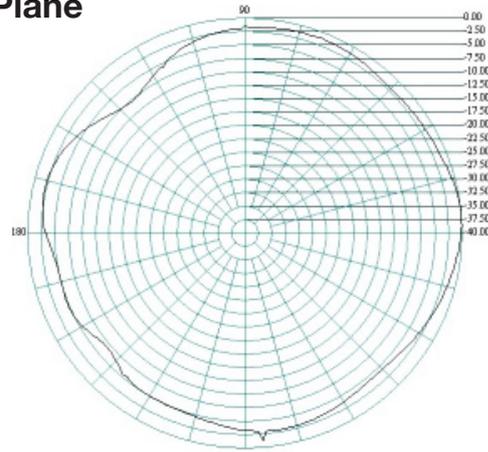
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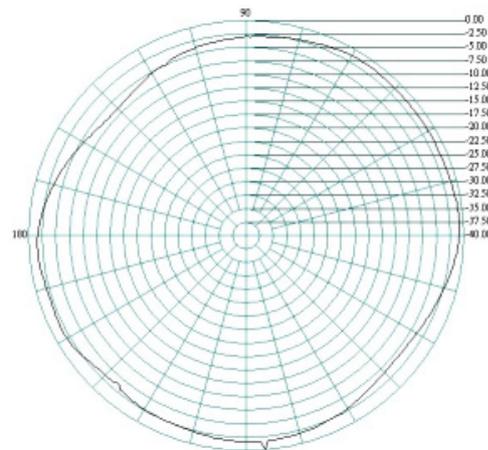
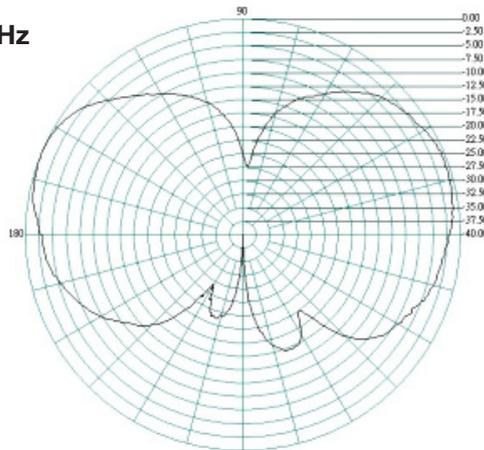
E-Plane 1700MHz



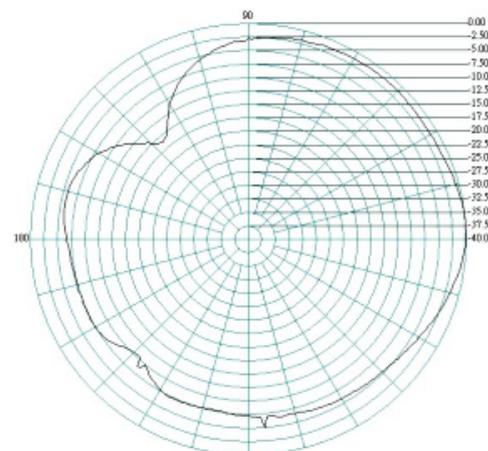
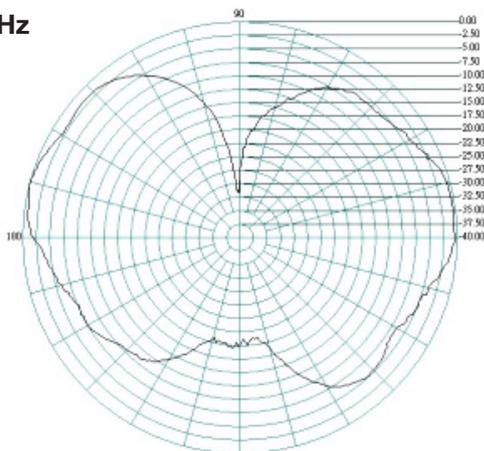
H-Plane



1800MHz



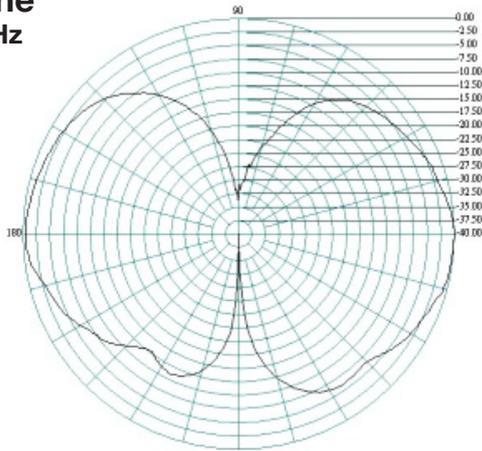
1900MHz



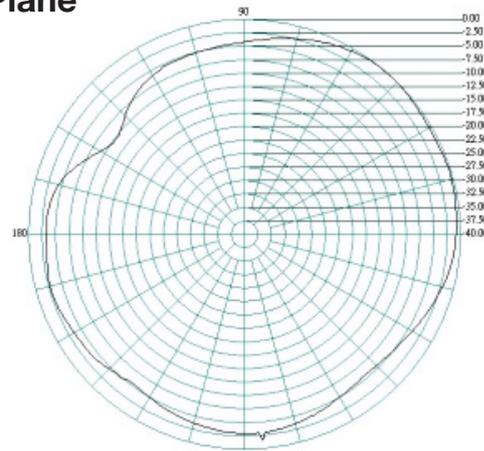
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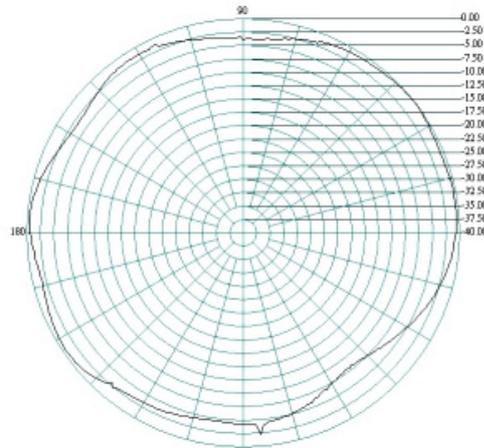
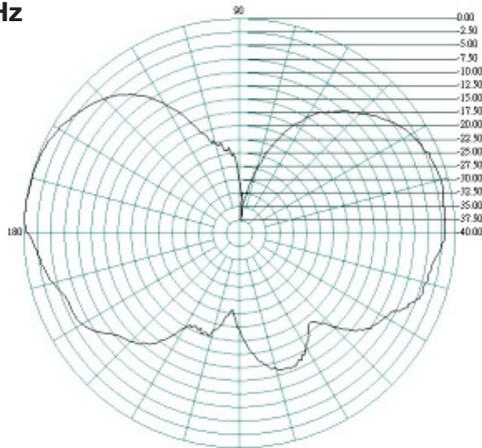
E-Plane 2100MHz



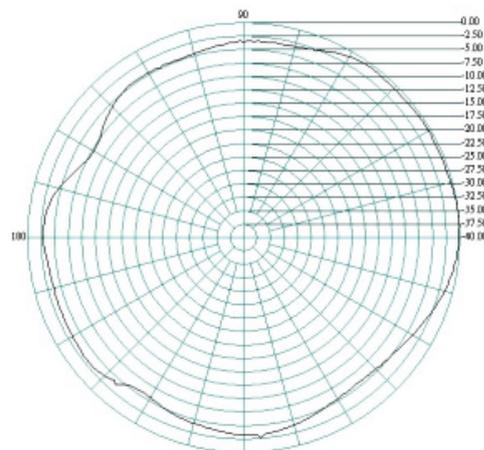
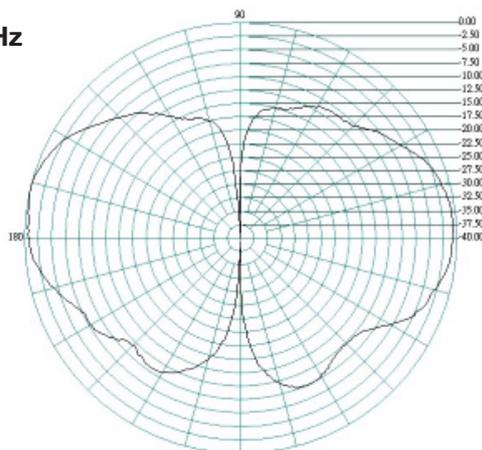
H-Plane



2200MHz



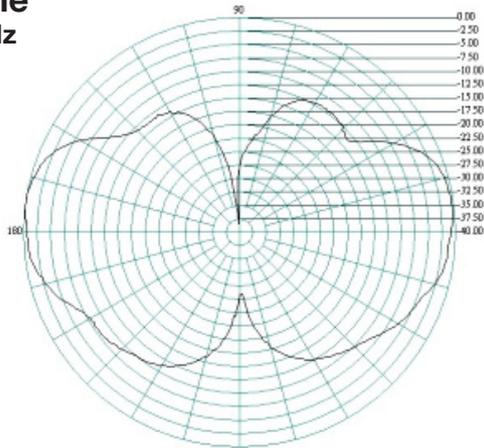
2400MHz



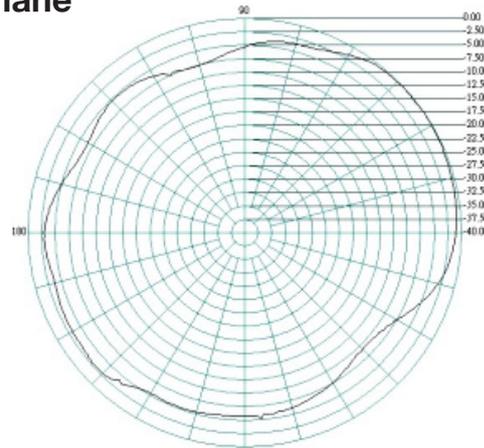
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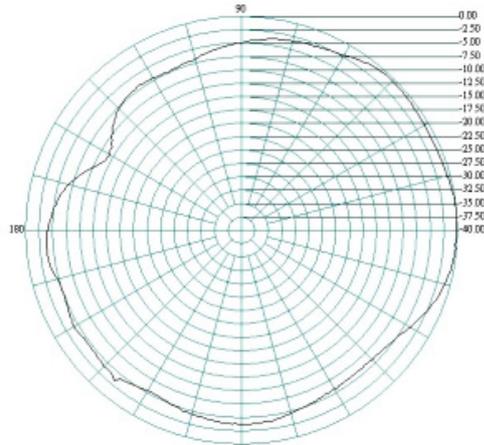
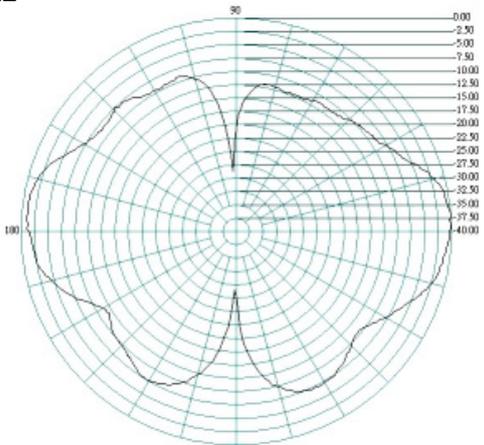
E-Plane 2500MHz



H-Plane



2600MHz



2700MHz

