



## OC69271

### LTE Direct Mount Omnidirectional Antenna 698-960 MHz/1710-2700 MHz

The OC69271 antenna is a wide band omnidirectional antenna covering the domestic LTE700/Cellular/ PCS/AWS/ MDS, WiMAX 2300/2500, and global GSM900/GSM1800/ UMTS/LTE2600 bands. It can be used in both indoor and outdoor applications. It comes complete with mast mounting hardware and includes a UV stable radome enclosure that provides years of use without degradation to either mechanical properties or aesthetics.

#### FEATURES AND BENEFITS

- Applicable for both 3G and 4G solutions
- Domestic LTE 700 band and Global LTE 2600 band
- Domestic Cellular and Global GSM
- WiMAX 2300/2500/2600
- Weatherproof UV stable radome
- Mast mounting hardware included

#### ELECTRICAL SPECIFICATIONS

| Operating Frequency (MHz)       | 698-960               | 1710-1990       | 1920-2170 | 2100-2500 | 2500-2690 |
|---------------------------------|-----------------------|-----------------|-----------|-----------|-----------|
| VSWR                            | <2.5:1                | <2.0:1          |           |           |           |
| Gain (dBi)                      | 1.5 dBi               | 3.5             |           |           |           |
| Efficiency (%)                  | 76                    | 87              |           |           |           |
| Nominal Impedance (Ohms)        | 50                    |                 |           |           |           |
| Max Power - Ambient 25°C (W)    | 20                    |                 |           |           |           |
| Polarization                    | Linear, Vertical      |                 |           |           |           |
| Vertical Plane 3 dB Beamwidth   | 81°                   | 75° (1700-2200) |           | 100°      |           |
| Horizontal Plane 3 dB Beamwidth | 360°, Omnidirectional |                 |           |           |           |

#### MECHANICAL SPECIFICATIONS

|  |                          |
|--|--------------------------|
| Dimensions - diameter x height - mm (inches) | 24.5 x 248 (1 x 9.8)     |
| Weight - kg (lbs.)                           | .156 (.343)              |
| Mount Style                                  | Mast/pole mount          |
| Radome Material                              | Polycarbonate, UV, White |

#### ENVIRONMENTAL SPECIFICATIONS

|                                 |                              |
|---------------------------------|------------------------------|
| Operating Temperature - °C (°F) | -30 to +70°C (-22 to +158°F) |
| Storage Temperature - °C (°F)   | -40 to +85°C (-40 to +185°F) |
| Material Substance Compliance   | RoHS                         |
| Relative Humidity - %           | 10-95                        |

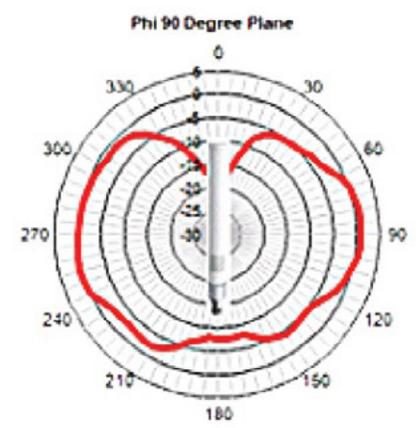
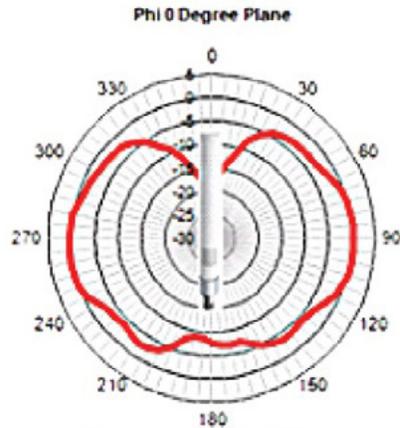
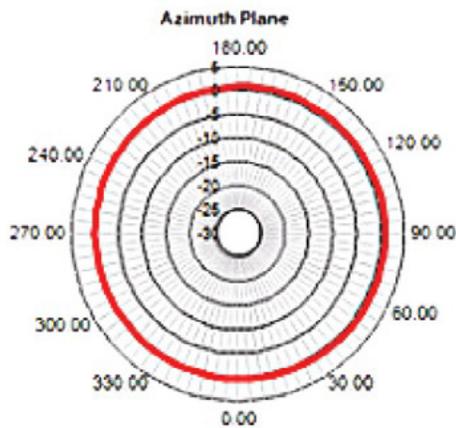
## CONFIGURATION

| MODEL NUMBER | CONNECTOR     |
|--------------|---------------|
| OC69271-FNM  | Type N male   |
| OC69271-FNF  | Type N female |

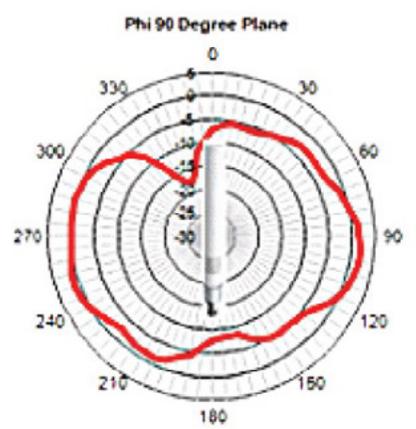
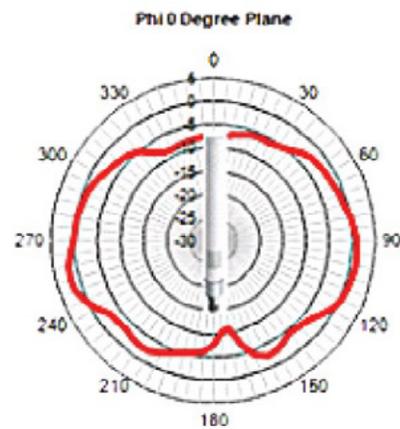
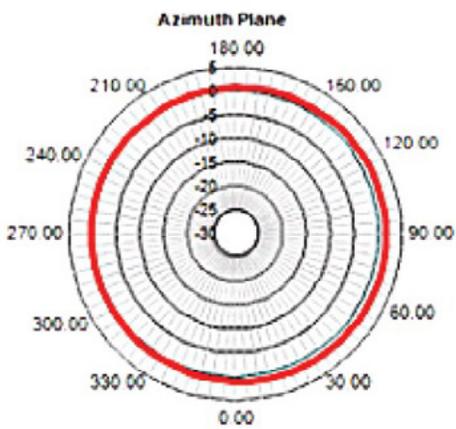
| PACKAGED DIMENSIONS         | MASTER CARTON | AIR PALLET  | OCEAN PALLET |
|-----------------------------|---------------|-------------|--------------|
| Number of Antennas          | 20            | 480         | 600          |
| Height - cm (in.)           | 30.0 (11.8)   | 135 (53.2)  | 165 (65.0)   |
| Length - cm (in.)           | 52.5 (20.7)   | 105 (41.3)  | 105 (41.3)   |
| Width - cm (in.)            | 26.5 (10.4)   | 79.5 (31.3) | 79.5 (31.3)  |
| Shipping Weight - kg (lbs.) | 7.36 (16.2)   | 190 (419)   | 230 (507)    |

## RADIATION PATTERNS

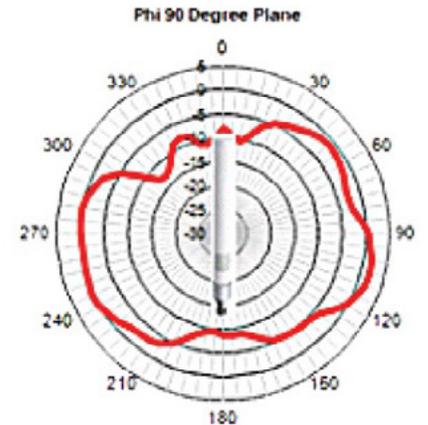
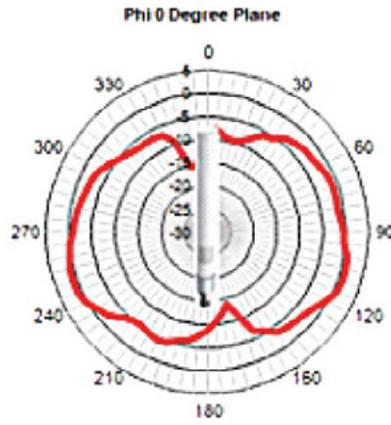
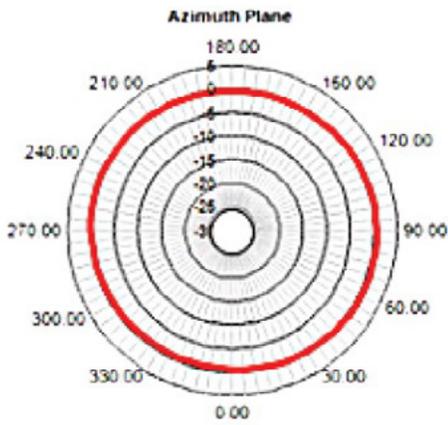
### 698 MHZ



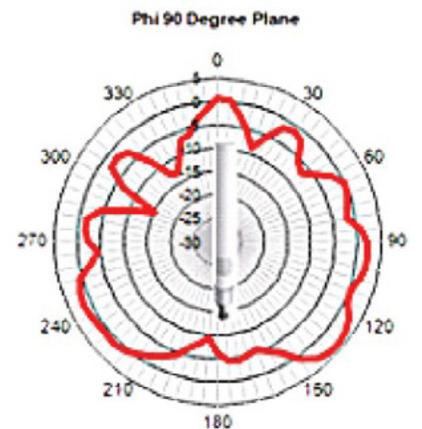
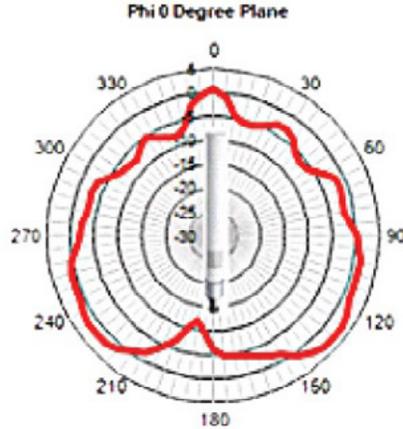
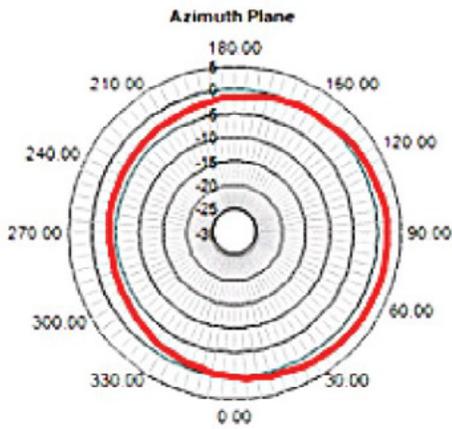
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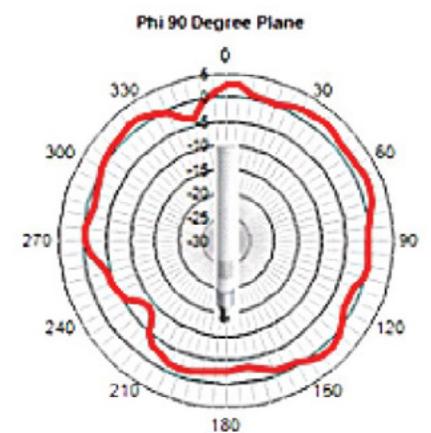
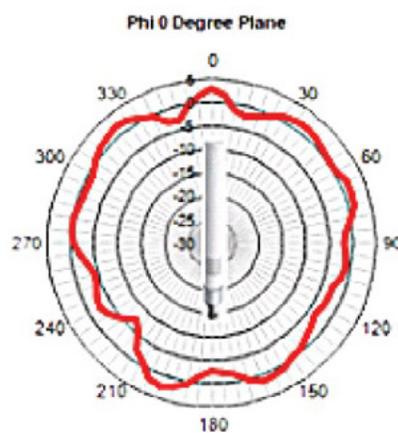
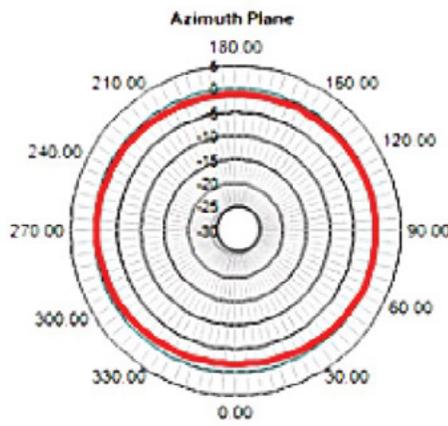
## 960 MHZ



## 1710 MHZ

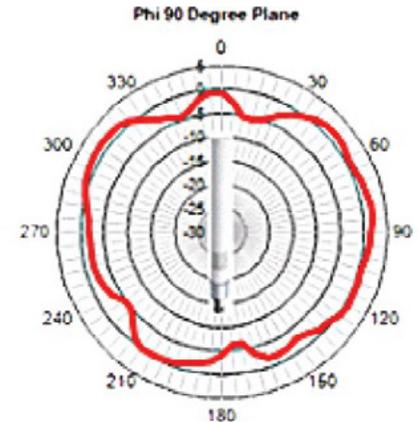
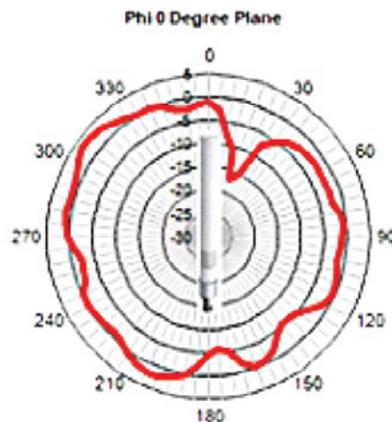
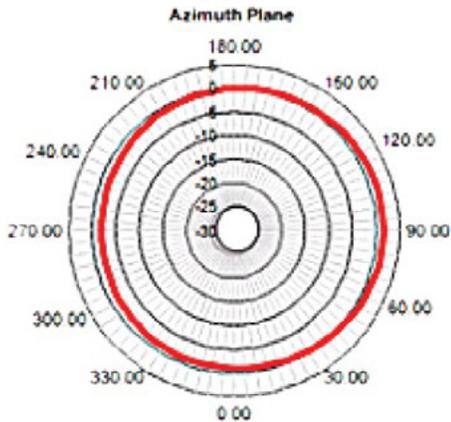


## 2170 MHZ

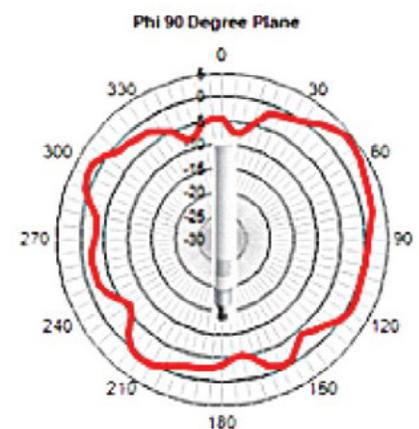
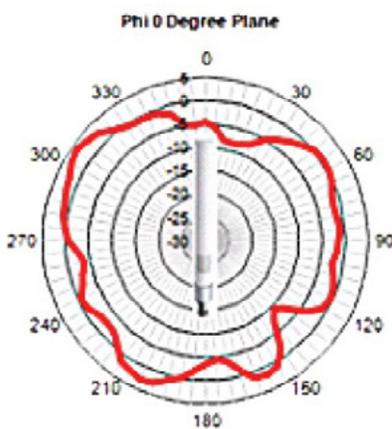
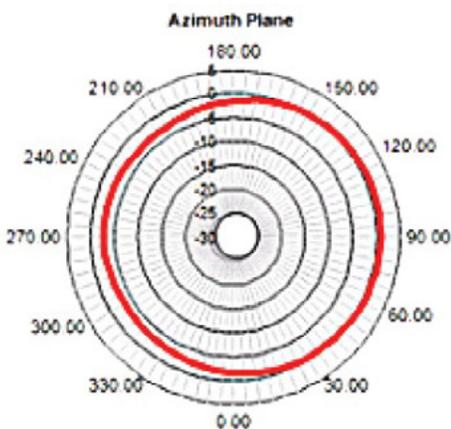


## RADIATION PATTERNS

### 2170 MHZ



### 2700 MHZ



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