



## 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

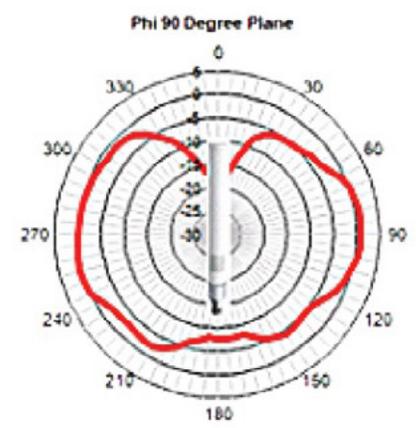
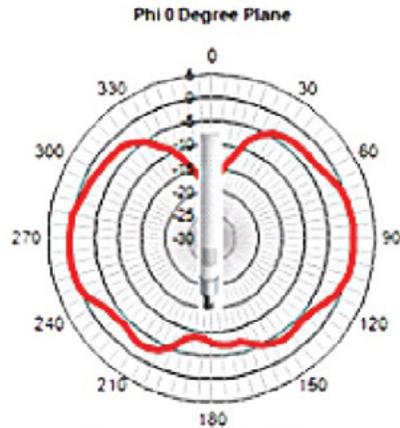
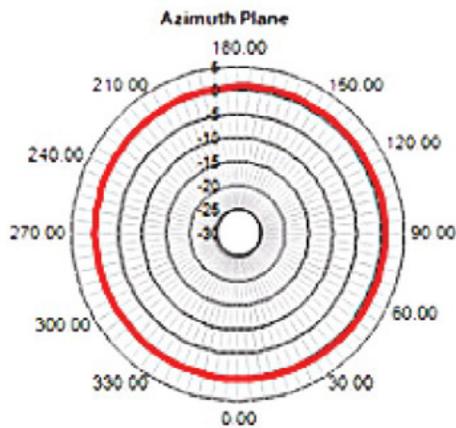
## CONFIGURATION

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

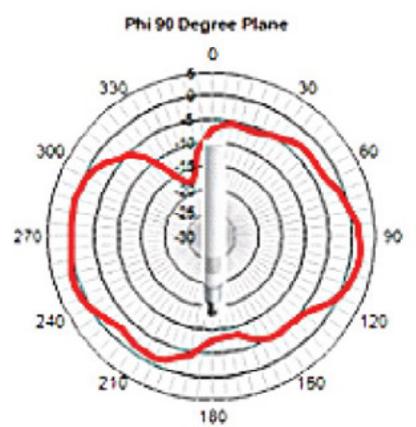
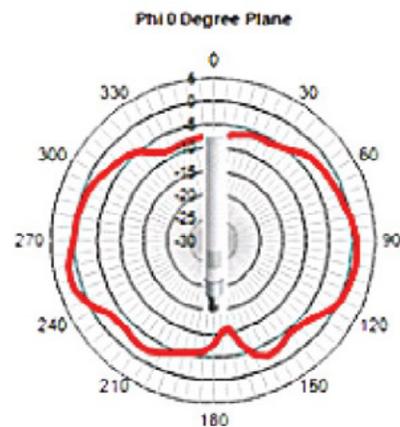
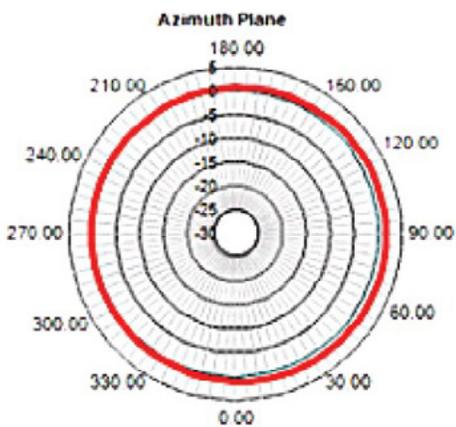
PACKAGED DIMENSIONS	MASTER CARTON	AIR PALLET	OCEAN PALLET
Number of Antennas	20	480	600
Height - cm (in.)	30.0 (11.8)	135 (53.2)	165 (65.0)
Length - cm (in.)	52.5 (20.7)	105 (41.3)	105 (41.3)
Width - cm (in.)	26.5 (10.4)	79.5 (31.3)	79.5 (31.3)
Shipping Weight - kg (lbs.)	7.36 (16.2)	190 (419)	230 (507)

## RADIATION PATTERNS

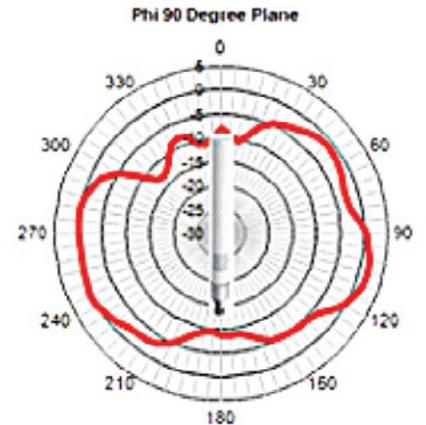
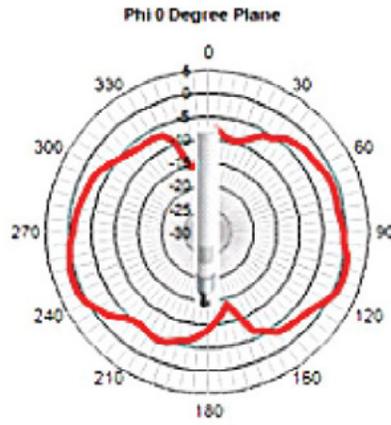
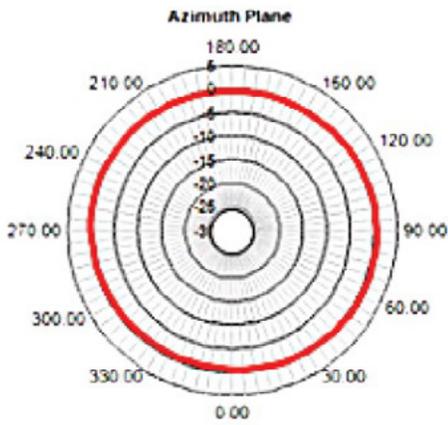
### 698 MHZ



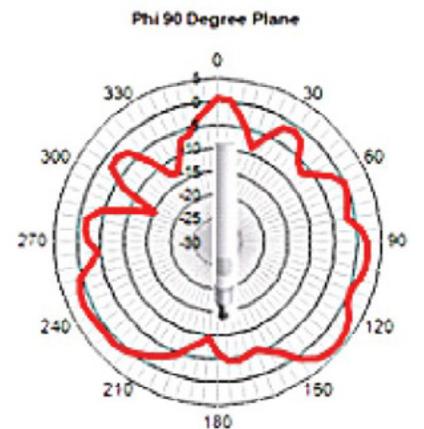
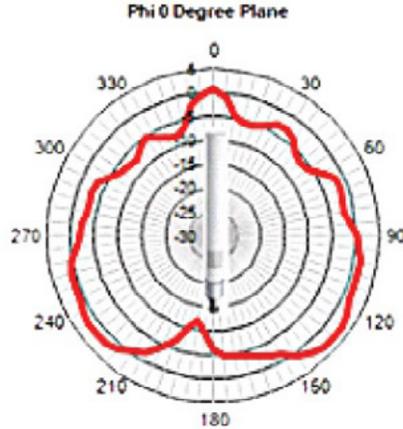
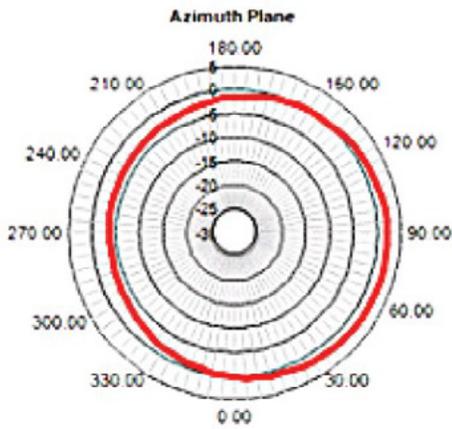
### 824 MHZ



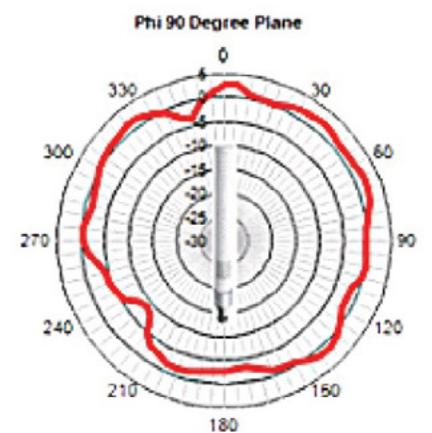
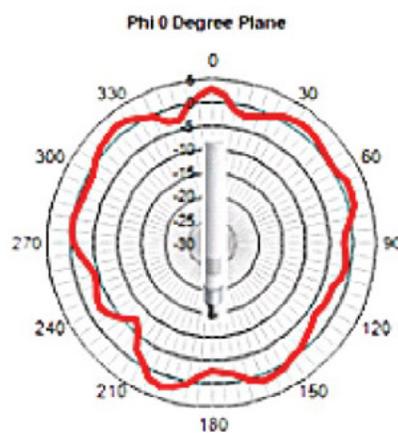
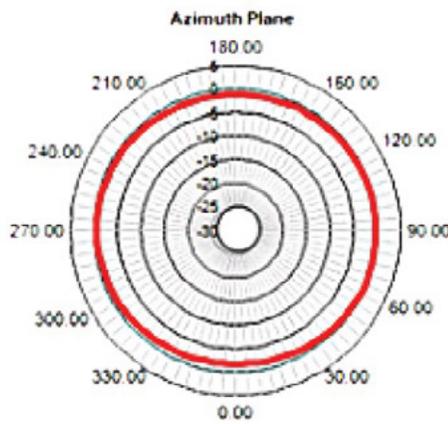
## 960 MHZ



## 1710 MHZ

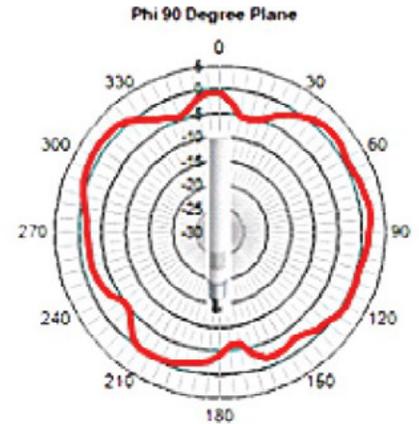
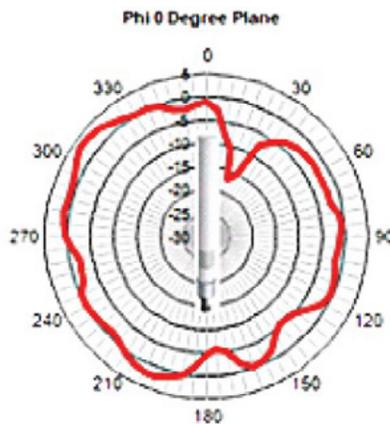
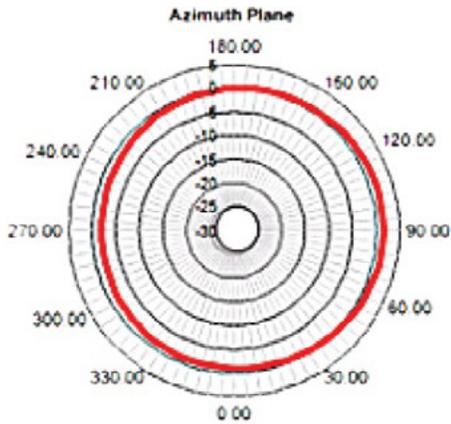


## 2170 MHZ

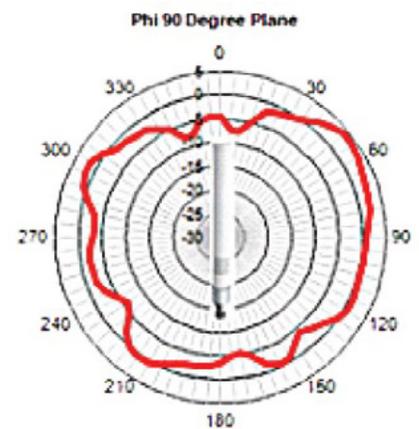
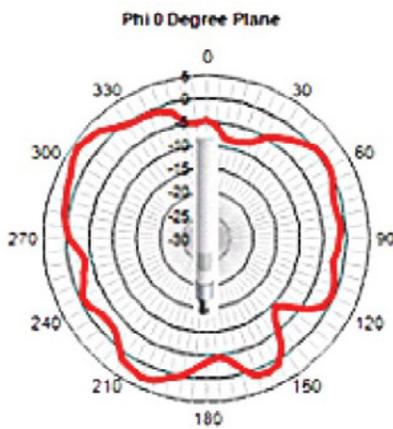
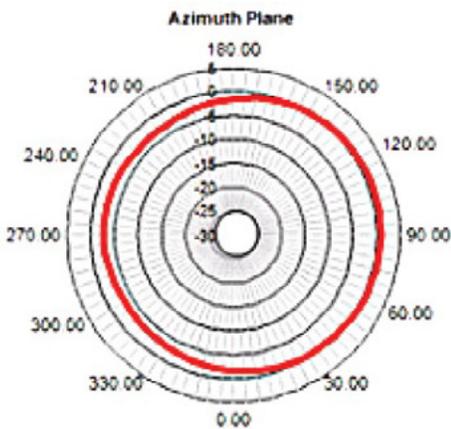


## RADIATION PATTERNS

### 2170 MHZ



### 2700 MHZ



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