

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



**MULTI-BAND DIRECT MOUNT OMNIDIRECTIONAL ANTENNA**

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. The antenna 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** 

- 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

**MARKETS**

- Broadband wireless access service provider
- Campus, healthcare, or transportation terminals
- Stadium, industrial plants, and processing stations
- Low-to-medium density, tower mounted rural locations
- Public Safety Radio

PARAMETER	SPECIFICATION
Frequency	698 to 960 MHz, 1710 to 1990 MHz, 1920 to 2170 MHz, 2100 to 2500 MHz, 2500 to 2690 MHz
Gain	698 to 960 MHz - 1.5 dBi, 1710 to 2700 MHz - 3.5 dBi
Average Efficiency	698 to 960 MHz - 76%, 1710 to 2700 MHz - 87%
3 dB Beamwidth - E-plane	698 to 960 MHz - 81°, 1700 to 2200 MHz - 75°, 2500 to 2700 MHz - 100°
3 dB Beamwidth - H-plane	360°, Omnidirectional
Polarization	Linear, Vertical
Nominal Impedance	50 Ohms
VSWR	698 to 960 MHz - <2.5:1, 1710 to 2690 MHz - <2.0:1
Power	10 watts
RF Connector	N-type (M or F)
Mount Style	Mast/pole mount
Radome	Polycarbonate, UV, White
Material Substance Compliance	ROHS Compliant
Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Dimensional (H x OD)	248 x 24.5 mm (9.8" x 1")
Weight	156 g

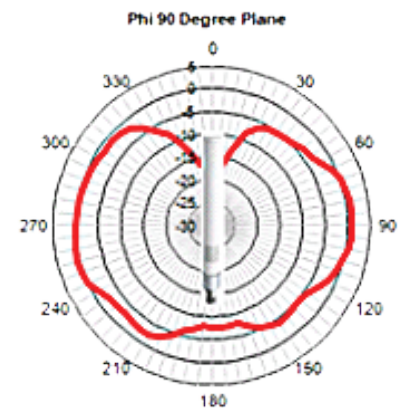
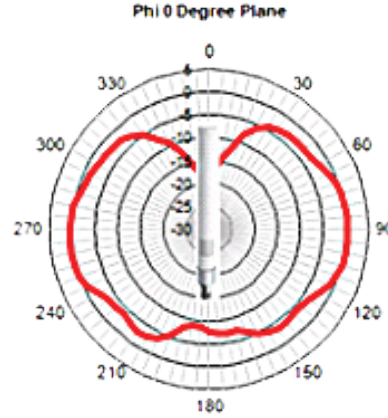
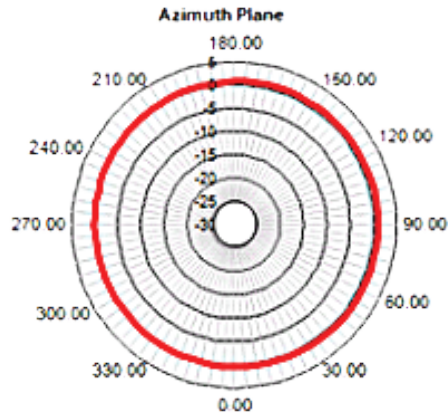
**CONNECTORS**

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

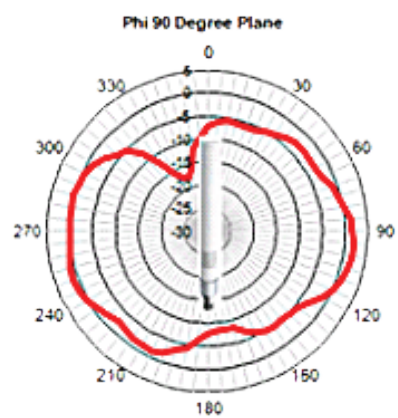
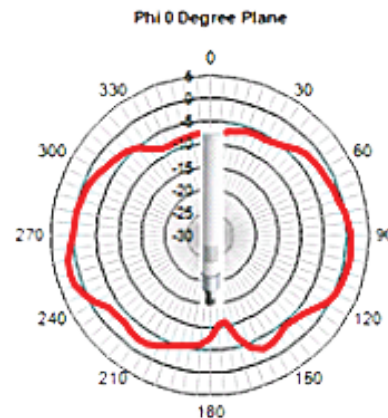
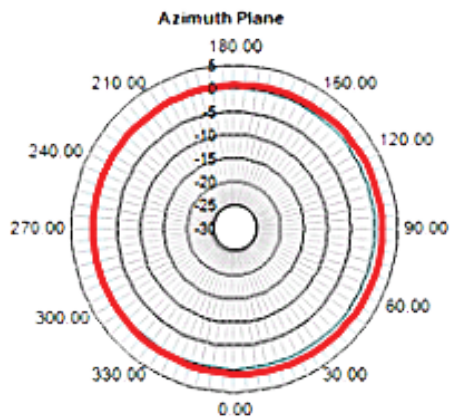
All antennas carry a 1-Year Warranty

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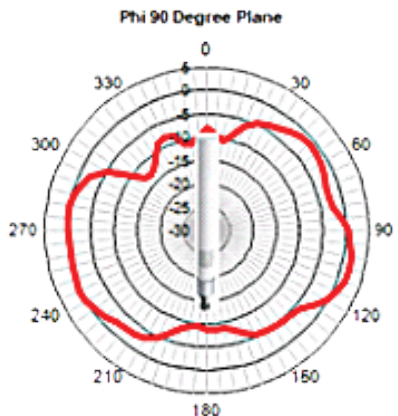
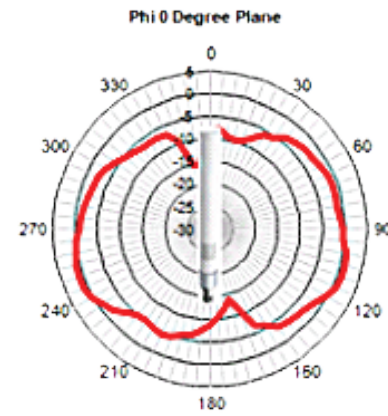
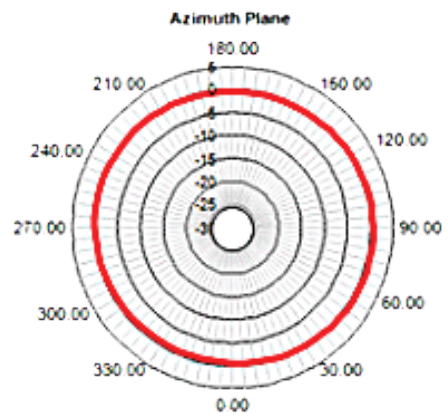
**TYPICAL RADIATION PATTERNS**



Frequency = 698 MHz



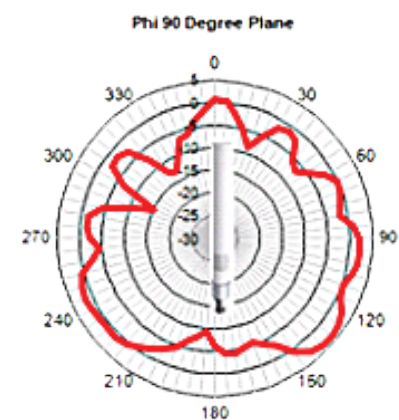
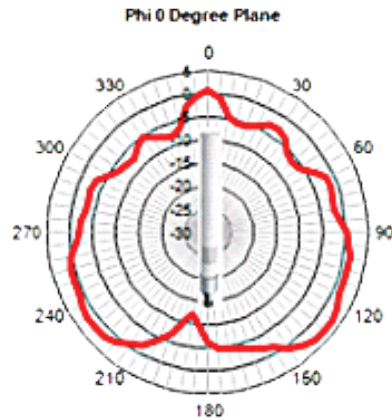
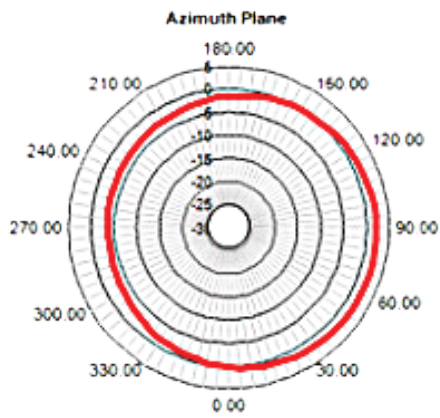
Frequency = 824 MHz



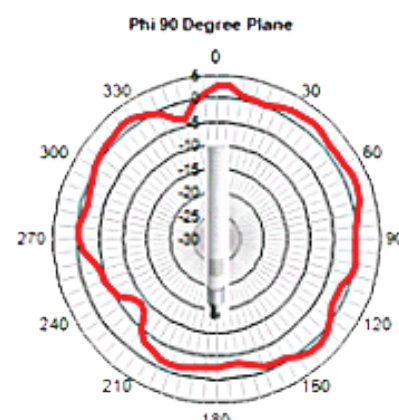
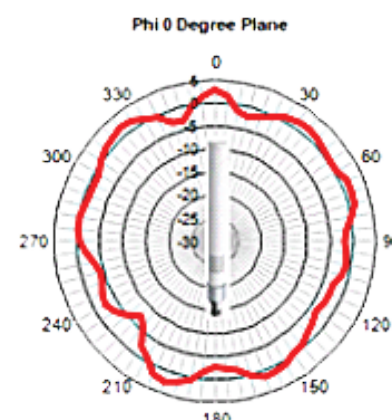
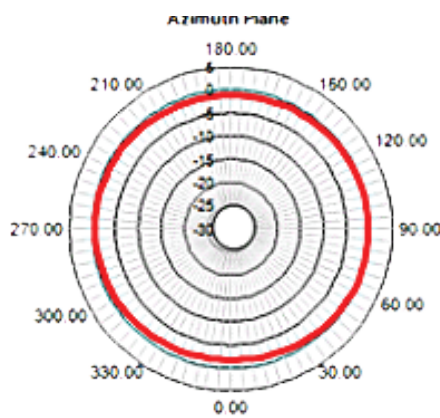
Frequency = 960 MHz

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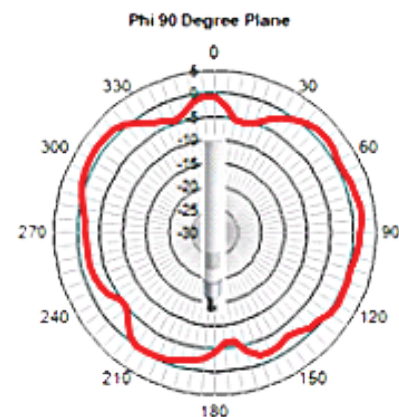
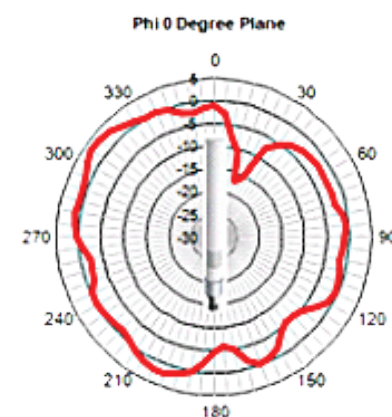
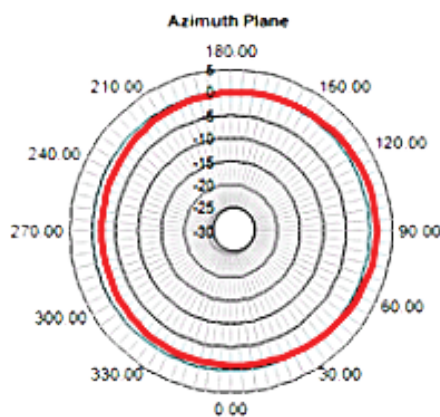
**TYPICAL RADIATION PATTERNS**



**Frequency = 1710 MHz**



**Frequency = 2170 MHz**



**Frequency = 2500 MHz**

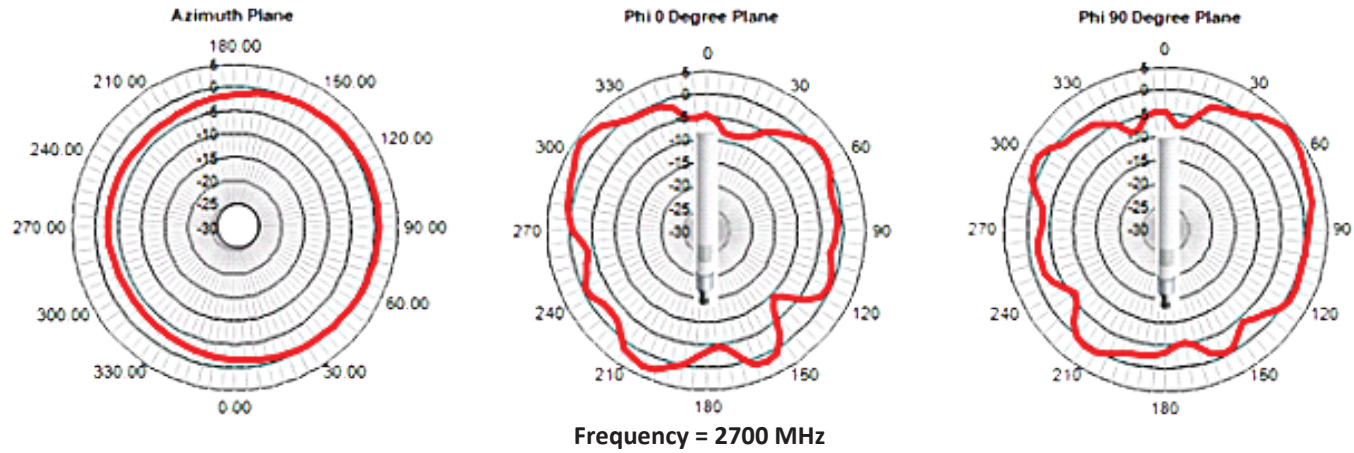


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OC69271

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## TYPICAL RADIATION PATTERNS



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