

All-Band LTE/ Cellular Omni-Directional Antenna

790MHz - 960MHz and
1710MHz - 2700 MHz Bands

Product Code: A-OMNI-0069-V3

4G / LTE is an exciting cellular technology that has potential peak data rates of 300 Mb/s and higher. This will cause a fundamental change in the role of wireless data for internet access.

LTE operates on new frequency bands since current equipment still needs support on existing bands until all cellular equipment becomes 4G enabled, this antenna is ideal as this antenna is backward compatible with legacy cellular technologies.

This high gain omni-directional antenna covers all cellular frequencies bands needed for LTE(4G), but also covers the bands for HSDPA, 3G, EDGE, GPRS and voice. Its configuration makes it suitable for fixed installations of any cellular frequency band.

This is one of the few omni-directional antennas in the world that offers consistent high gain over a very wide frequency band. This makes it a very popular choice with installers because of its base station agile.

WHERE DO YOU USE THIS?

LTE

3G

GSM

WIMAX

~~WIFI~~

GPRS

EDGE

HSPA

CDMA2000

EVDO

ELECTRICAL:

| | |
|--------------------------|------------------------|
| Frequency in MHz: | 790-960 1710 - 2700 |
| Gain (Max): | 6.3 dBi |
| VSWR: | <2.5:1 |
| Feed Power Handling: | 10 W |
| E-Plane 3 dB Beamwidth: | 25° (± 5°) |
| H-Plane 3 dB Beamwidth: | 360° |
| Front to Back: | — |
| Nominal Input Impedance: | 50 Ohm |
| Polarisation: | Linear Vertical |

MECHANICAL:

| | |
|-------------------------|------------------------|
| Dimensions (L x W x D): | 485 mm x 75 mm x 75 mm |
| Packaged Dimensions: | 510 mm x 95 mm x 90 mm |
| Weight: | 750 g |
| Packaged Weight: | 910 g |

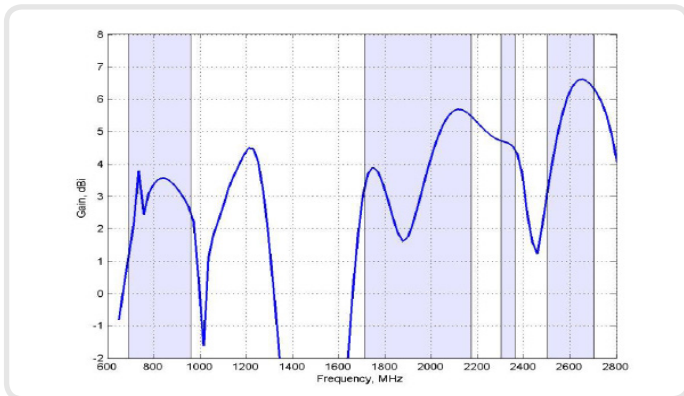
ENVIRONMENTAL:

| | |
|--------------------------------|-------------------------------|
| Wind Survival: | 160 km/h |
| Temperature Range (Operating): | - 20° C to +70° C |
| Thermal Shock: | - 20° C to +70° C : 10 cycles |
| Water Ingress Rating: | IP65 (NEMA 4X) |
| Relative Humidity: | 100% at 30°C |
| Salt Spray: | MIL-STD 810F |
| Flammability Rating: | UL 94-V1 |
| RoHS: | Compliant |
| UV Specification: | Minimum 7 years outdoor usage |

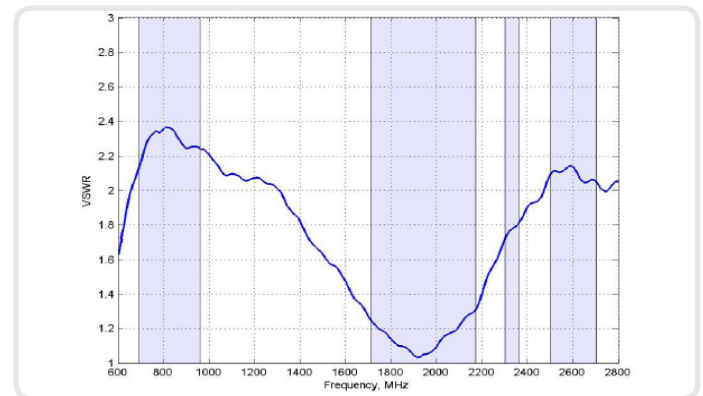
INCLUDED WITH PRODUCT:

| | |
|-------------------|--|
| Mounting Bracket: | Pole, wall and window application. Stainless steel bracket for up to 50 mm poles. |
| Cable Length: | N/A |
| Cable Type: | N/A |
| Connector: | N-Type {Female} {Silver/Nickel Plated} |

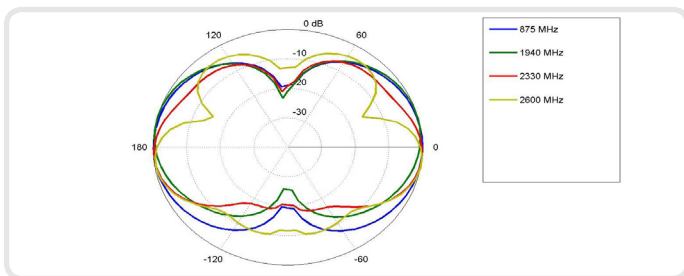
PLOTS:



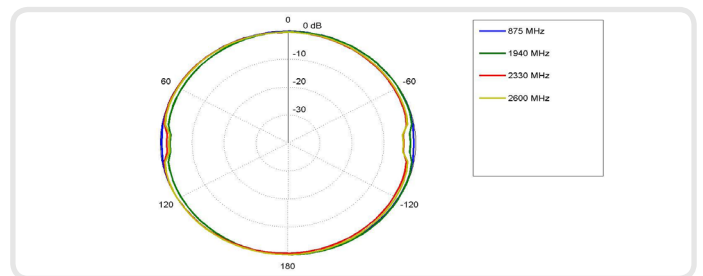
Gain



VSWR



Combined E Plane



Combined H Plane