

High Gain LTE MiMo Antenna

650 - 2700 MHz Bands

Product Code: A-XPOL-0002-V2

The antenna provides an innovative and future-proof solution for 4G / 3G and 2G networks. It is a unique wall- or pole-mountable, dual polarised, full LTE band antenna. Incorporating two separately fed ultra wideband elements in a single housing, the antenna is equipped to provide client- side MiMo and diversity support for the networks of today and tomorrow.

The weatherproof housing is designed for window, mast and wall mounting. The antenna has 2 x 5 metres of low loss cable.

This is a cost effective and value-added product for signal enhancement and ensuring higher throughputs and stable links for subscribers.

This will improve subscribers' user experience and ensure client retention. It is ideal for any application using the GSM network (LTE/HSPA/3G/EDGE/GPRS).

Features:

- Wall or pole mount
- Lightweight
- Waterproof

Application areas:

- Cellular modems
- Least cost routers
- GSM customer premises equipment

WHERE DO YOU USE THIS?

LTE

3G

GSM

WIMAX

~~WIFI~~

GPRS

EDGE

HSPA

CDMA2000

EVDO

ELECTRICAL:

| | |
|----------------------|---|
| Frequency MHz: | 650–2700 |
| Gain (Max): | 9 dBi |
| VSWR: | < 2.5:1 |
| Feed Power Handling: | 4 W |
| Input impedance: | 50 Ohm (nominal) |
| Polarisation: | 45° |
| Cable loss: | 0.35dB/m @900 MHz 0.53dB/m @ 2000 MHz 0.6dB/m @2500 MHz |
| DC Short: | Yes |

MECHANICAL:

| | |
|---------------------------------|--------------------------|
| Product Dimensions (L x W x D): | 255 mm x 250 mm x 80 mm |
| Packaged Dimensions: | 290 mm x 267 mm x 160 mm |
| Weight: | 1,55 kg |
| Packaged Weight: | 1,98 kg |
| Master Box Dimensions: | 600 mm x 560 mm x 500 mm |
| Qty of Antennas / Master Box: | 12 |
| Weight of Master Box: | 23 kg |
| Radome Material: | ABS (Halogen Free) |
| Flammability Rating: | UL 94-V0 |
| RoHS: | Compliant |

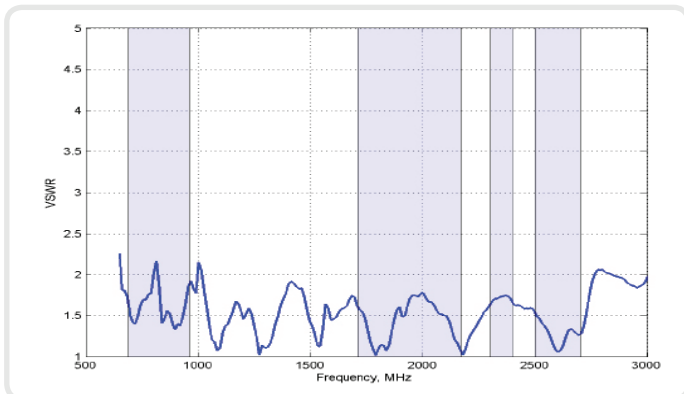
ENVIRONMENTAL:

| | |
|--------------------------------|-----------------|
| Wind Survival: | <120km/h |
| Temperature Range (Operating): | - 40°C to +70°C |
| Water Ingress Rating: | IP65 (NEMA 4X) |
| Environmental Conditions: | Outdoor/Indoor |

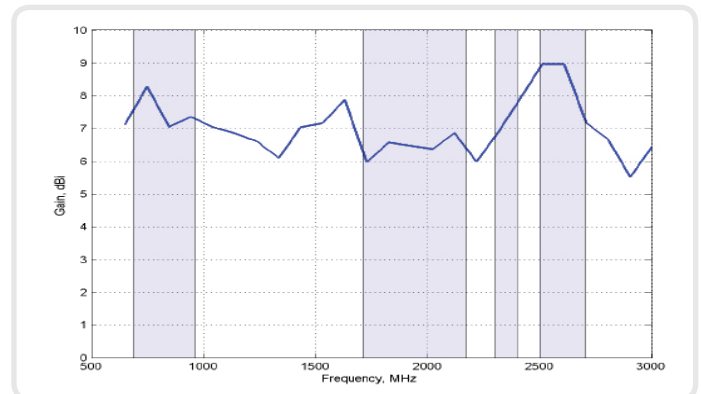
INCLUDED WITH PRODUCT:

| | |
|-------------------|----------------------------|
| Mounting Bracket: | Wall and pole mount |
| Cable Length: | 2 cables - each 5m HDF 195 |
| Connector: | 2 x SMA (m) |

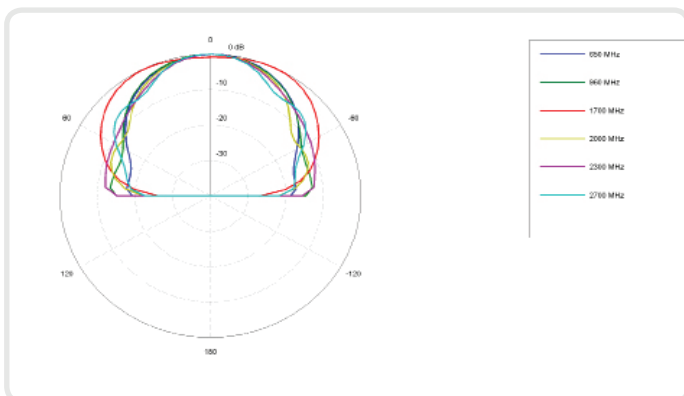
PLOTS:



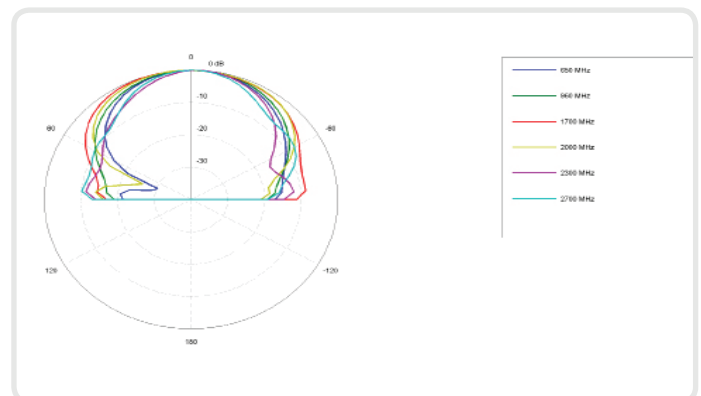
VSWR



Gain (excluding cable loss)



H-Plane (Azimuth)



E-Plane (Elevation)