

# MARS 4G Panel Antenna, 5dBi, 698 to 2700 MHz, N Female

SKU: ANT-MA-00004

MPN: MA-CLTE-14B

## Description

The MARS 4G Panel Antenna (SKU: ANT-MA-00004) is a versatile solution designed for a wide range of wireless applications, including LTE, WiMAX, Cellular, and Wi-Fi systems. Operating within the 698 to 2700 MHz frequency range, this antenna features a peak gain of up to 6.5 dBi, ensuring robust performance across various bands. The unit is housed in a durable polycarbonate enclosure with an IP65 rating, offering excellent protection against harsh environmental conditions.

This antenna is equipped with a single N Female RF connection, supporting up to 10 W of input power and maintaining a 50  $\Omega$  impedance. Its linear polarisation and compliant with RoHS standards, make it suitable for both fixed and mobile, standalone or embedded applications. The MARS 4G Panel Antenna is engineered to meet IEC 60068-2-11: Salt Mist standards, ensuring reliability in challenging environments.

Manufactured by MARS Antennas, a leader in antenna design and RF...

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### MARS Antennas

MARS Antennas & RF Systems is a world class antennas design and manufacturer, RF solutions provider and R&D Company with a proven capacity to design and provide cost effective products with exceptional performance. Since 1994, MARS has been specializing in Outdoor & In-Building Multi Polarized Antennas. MARS subscriber & base station antennas are used in LTE, WiMAX, Cellular, Mobile, MIMO, WLAN ...

# RF Specification

|                   |          |                  |        |
|-------------------|----------|------------------|--------|
| Start Frequency:  | 698 MHz  | Polarisation:    | Linear |
| Stop Frequency:   | 2270 MHz | Input Impedance: | 50     |
| Max. Input Power: | 10 W     |                  |        |

## RF Connectors

| Ports | RF Interface | Body Shape |
|-------|--------------|------------|
| 1     | N Female     | Straight   |

## Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR    | Azimuth | Elevation |
|-------------|------------|-----------|---------|---------|-----------|
| 698 MHz     | 806 MHz    | 5 dBi     | < 2:1   | 130°    | 70°       |
| 806 MHz     | 960 MHz    | 6 dBi     | < 2:1   | 140°    | 60°       |
| 1710 MHz    | 2170 MHz   | 6.5 dBi   | < 1.7:1 | 80°     | 45°       |
| 2200 MHz    | 2270 MHz   | 5 dBi     | < 1.7:1 | 55°     | 30°       |

# Physical Specification

|                             |                |                            |                             |
|-----------------------------|----------------|----------------------------|-----------------------------|
| Subtype:                    | Panel / Sector | Dimensions:                | 231 x 215 x 37.5            |
| Input Ports:                | 1              | Ingress Protection:        | IP65                        |
| MIMO:                       | 1x1 SISO       | Materials:                 | Plastic, Polycarbonate (PC) |
| Min. Operating Temperature: | -40 °C         | Weight:                    | 0.5 kg                      |
| Max. Operating Temperature: | 65 °C          | Compliance/Certifications: | RoHS                        |
|                             |                | Mechanical Compliance:     | IEC 60068-2-11: Salt Mist   |

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