Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

MARS 4G MIMO Stadium Antenna, 13dBi, 698 to 2700 MHz, N Female

SKU
ANT-MA-00002
MPN
MA-WA82220-DBDP14B

Description

The MARS 4G MIMO Stadium Antenna (SKU: ANT-MA-00002) is a high-performance panel antenna designed for robust connectivity in demanding environments. Covering frequencies from 698 to 2700 MHz, this dual-polarised antenna is ideal for LTE, WiMAX, cellular, and Wi-Fi systems. With a peak gain of 13 dBi and a low VSWR of <2.0:1, it ensures efficient signal transmission and reception.

Constructed from durable plastic and aluminium, the antenna is IP67 rated, offering excellent protection against dust and water, making it suitable for outdoor use. It operates effectively across a wide temperature range from -55 °C to 65 °C, ensuring reliability in diverse climatic conditions. The antenna's 2x2 MIMO capability and two N Female RF connections provide flexible deployment options for enhanced signal strength and coverage.

MARS Antennas, an ISO9001 and RoHS certified company, brings over 25 years of expertise in antenna design and manufacturing. Known for innovation and quality, MARS Antennas produces solutions that cater to both fixed and mobile applications, supporting a range of communication technologies. This antenna is a testament to MARS's commitment to delivering exceptional performance and durability in all its products.

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
Stop Frequency
2700 MHz
Max. Input Power
50 W
Polarisation
Dual Pol (V, H)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape
2	N Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio	Inter-Port Iso.
698 MHz	960 MHz	12 dBi	< 2:1	35°	35°	> -22 dB	> -22 dB
1700 MHz	2700 MHz	13 dBi	< 2:1	35°	35°	> -22 dB	> -37 dB

Physical Specification

Subtype
Panel / Sector
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-55 °C
Max. Operating Temperature
65 °C
PIM, 3rd Order
-150 dBc
Dimensions
800 x 600 x 110
Ingress Protection

IP67
Materials
Plastic, Aluminium
Weight
6 kg
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60068-2-11: Salt Mist

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

