



MA-WA82220-DBDP14

698-960 MHz & 1700-2700 MHz Stadium Dual Band & Dual Pol Directional Antenna

MARS new DUAL BAND and DUAL POL antenna specially **designed for arenas and stadiums** that have to supply high capacity and reliable wireless data.

MARS MA-WA82220-DBDP14 provides solutions for services such as LTE, Cellular (2G, 2.5G and 3G), Wi-Fi and WiMAX applications. The antenna is PIM certified, thus making it suitable for all multi-carrier systems.

Additional Features:

- Efficient and stable performance with 12-13 dBi of gain.
- UV protected radome suitable for harsh environment installations
- Durable construction
- Easy mounting allowing Az/El adjustment
- Aesthetic design

Specifications

Input power, max.

Impedance

- · Weatherized and durable
- · Wind survival rating of 200 km/h



Specially designed for Stadiums

Electrical Frequency range 1700-2700 MHz 698-960 MHz V-pol 12 dBi 13 dBi Gain, typ. H-pol 13 dBi 13 dBi VSWR, max. 2.0:1 Polarization **Dual Pol** Vertical & Horizontal Port to Port Isolation, min. -37 dB -22 dB 3dB Beam-Width, Azimuth, typ. 35° 35° 3dB Beam-Width, Elevation, typ. 35° 35° -22 dB Front to Back Ratio, min. PIM, 3rd order, 2X20W -150 dBc

Mechanical

Dimensions (HxWxD)	800 x 600 x 110 mm
Connector	2 x N-type Female
Weight	6 Kg.
Mounting	See Ordering Options
Radome	UV Protected Plastic
Back Plane	Aluminum protected through chemical passivation.

Environmental

Operating Temperature Range	-55°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4,EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

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MA-WA82220-DBDP14B Antenna 2 x N-type Female connectors with MNT-25 mount	MA-WA82220-DBDP14	Antenna 2 x N-type Female connectors Suited for MNT-25 mount
	MA-WA82220-DBDP14B	Antenna 2 x N-type Female connectors with MNT-25 mount

50 Watt 50 Ohm

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