

MA-WA22-DP14

1.7-2.7 GHz Stadium Dual Polarization Antenna

MARS 1.7-2.7 GHz Dual Polarized wide band antenna specially designed for arenas and stadiums that have to supply high capacity and reliable wireless data.

The MA-WA22-DP14 antenna designed for LTE, Wi-Fi, LAN, MMDS, WLL and WiMAX applications.

Additional Features:

- Exceptionally efficient performance.
- High gain/size ratio.
- Aesthetic design.
- Weatherized and durable.
- Wind survival rating of 200 km/h



Specially designed for Stadiums

Specifications

Electrical

Frequency range	1.7-2.2 GHz	2.2-2.7 GHz
Gain, typ.	13 dBi	14 dBi
VSWR, max.	2.0 : 1	1.7 : 1
Polarization	Dual Pole Linear, Vertical & Horizontal	
3dB Beam-Width, H-Plane, typ.	33°	
3dB Beam-Width, E-Plane, typ.	33°	
Cross Polarization, typ.	-20 dB	
Front to Back Ratio, min.	-20 dB	
Port to Port Isolation, min.	-30 dB	-40 dB
Input power, max.	50 Watt	
Input Impedance	50 Ohm	
Lightning Protection	DC Grounded	

Mechanical

Dimensions (HxWxD)	430 x 240 x 48 mm (16.93" x 9.45" x 1.89")
Connector	2 x N-type, Female
Weight	2.5 kg.
Mounting	See Ordering Options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation.

Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

Ordering Options

MA-WA22-DP14	Antenna 2 x N-type, Female connectors Suited for MNT-22 mount
MA-WA22-DP14B	Antenna 2 x N-type, Female connectors with MNT-22 mount

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com