MARS ANTENNAS & RF SYSTEMS LTD.

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.	33º	
3dB Beam-Width, E-Plane, typ.	33º	
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	MNT-22	
Radome	UV Protected Polycarbonate	
Back Plane	Aluminum protected through chemical passivation.	
Environmental		
Operating Temperature Range	-40ºC to +65ºC	
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	

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