

MA-WC910-RHCP11

Preliminary

860-960 MHz Circular Polarization, RFID Reader Antenna

The RFID antenna from MARS is an innovative antenna that adds flexibility to the RFID system.

MA-WA910-RHCP11 antenna covers the standard 902-928 MHz RFID frequency, as well as a wide frequency band of 860-960 MHz with a RHCP circular polarization, low VSWR and axial ratio.

The antenna designed for Point-to-Multipoint systems.

Additional features:

- High efficiency.
- Superb co-siting performance due to low SSL and high F/B rejection.
- Unobtrusive, blends easily with the environment.
- Optionally available with Pole Mount or MNT-22 (pole/wall, azimuth and elevation adjustable mount).



Specifications

Electrical

Frequency range	860 - 960 MHz
GAIN, typ.	11 dBic
VSWR, max.	1.7 : 1
Polarization	RHCP
3 dB Beam-Width, H-Plane, typ.	45°
3 dB Beam-Width, E-Plane, typ.	45°
Front to Back Ratio, typ.	-20 dB
Axial Ratio, typ.	- 4 dB (5 dB max.)
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm
Weight	0.5 kg.
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	MNT-22

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-67
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

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