

[Products](#) > [Antennas](#) > [Broadband Access Antennas \(WLL,WLAN,WiFi,WiMAX,802.11\)](#) > [Subscriber Antennas](#) >

2.3-2.7 GHz Subscriber Antenna & Enclosure

MA-WA24-2XBRFC

MARS 2.4 GHz Antenna & Enclosure Solution comprises of:

- Waterproof 2.3-2.7 GHz Broadband Antenna
- Weatherproof Enclosure with provisions for Az/EI Mounting device
- Azimuth/Elevation Adjustable Mount MNT-2

This solution enables WISP/Integrator to design his own low cost, weatherized subscriber unit, saving high costs of special antenna-radio integration.



Specifications:	
Electrical	
Frequency range	2.3 - 2.7 GHz
Gain, min.	18 dBi @2.3-2.4, 17@2.4-2.7
VSWR, max.	1.5:1
3 dB Beam-Width, H-Plane, typ.	21 °
3 dB Beam-Width, E-Plane, typ.	20 °
Side Lobes, min.	-16 dB
Polarization	Linear, Vertical (Horizontal with MNT-2 Option)
Cross Polarization, min.	-26 dB
Front to Back Ratio, min.	-26 dB
Input power, max	30 Watt
Input Impedance	50 Ohm
Mechanical	
Dimensions (HxWxD)	305 x 305 x 30 mm (12"x12"x1.2")
Weight	1.3 (with Enclosure) kg
Connector	Pig Tail with MCX, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	MNT-2
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)
Ice and Snow	25 mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	> 10 years
Standard Compliance	
ETSI EN 302 085 V1.2.3 – TS1, TS2, TS3	

Specifications subject to change without notice