

3.3-3.8 GHz Subscriber Antenna

-MA-WA36-19

MARS 3.5 GHz Subscriber Antenna suited for the licensed 3.5 GHz band is specially designed for WiMAX applications.

Additional Features:

- aesthetic and unobtrusive profile
- suitable for both indoor and outdoor applications
- can be customized with customer defined back plane and different connector configurations



Specifications:

Electrical

Frequency range	3.3 - 3.8 GHz
Gain, min.	19 dBi @3.3-3.7, 3.7-3.8@18
VSWR, max.	1.5
3 dB Beam-Width, H-Plane, typ.	16 °
3 dB Beam-Width, E-Plane, typ.	16 °
Side Lobes, min.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Polarization	Linear
Cross Polarization, min.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Front to Back Ratio, min.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Input power, max	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12"x 12"x 0.6")
Weight	840 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-22 (not incl.)

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	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	> 10 years

Standard Compliance

ETSI EN 302 085 v1.2.3 TS2 Range 1

Specifications subject to change without notice