

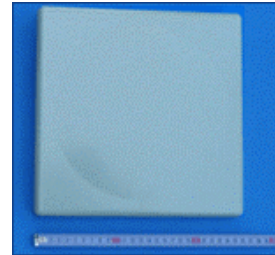
5.8 GHz Subscriber Antenna

MA-WA58-2X

Mars 5.8 GHz Broadband Antenna provides a cost effective solution for high volume deployments.

Additional Features:

- Aesthetic, small and unobtrusive profile blends easily with any environment.
- DC grounded for lightning protection to meet local electrical building codes.



Specifications :

Electrical	
Frequency range	5.725- 5.85 GHz
GAIN, min.	20 dBi
VSWR, max.	1:1.5
Polarization	Linear Vertical
3 dB Beamwidth - Az, typ.	14.5°
3 dB Beamwidth - El, typ.	11.5°
Cross Polarization	20 dB
Power Handling	10 Watts
Input Impedance	50 Ohms
Front to Back	30 dB
Mechanical and Environmental	
Dimensions (LxWxD)	305x305x30 mm
Base Plate	Aluminum; Studs location to fit RadWin`s Radio
Input/RF Interface	MCX Plug with 20 cm Coaxial Cable RG-316
Radome	Polycarbonate, UV protected
Operating Temperature	-45°C to +75°C
Lightning Protection	DC grounded
Service Life	>20 years
Wind (Operating)	150 km/ hr
Wind (Survival)	200 km/ hr
Relative humidity	0 % - 100 %
Relative ice load	25 mm
Sealing	IP - 67

Standard Compliance

ETSI EN 302 085 V1.1.1 (2000-06) Range 1, TS 1, 2, 3, 4, 5

Environmental Test Standard

Low Temperature	IEC 68-2-1; 72h; -55°C
High Temperature	IEC 68-2-2; 72h; +71°C
Temp. Cycling	IEC 68-2-14; 1h; -45°C+70°C; 3 Cycles
Vibration	IEC 60721-3-4; 30 min/axis; Random 4M5
Shock Mechanical	IEC 60721-3-4; 4M5
Humidity	ETSI EN300-2-4 T4.1E; 144h; 95%
Water Tightness	IEC 529; IP67
Solar Radiation	ASTM G53; 1000h
Flammability	UL94; Class HB
Salt Spray	IEC 68-2-11 Ka; 500h
Ice and Snow	25 mm Radial
Wind Speed Survival Operation	160 Km/h – 220 Km/h