

## MA-WS2455-1X

### 2.4-2.5 GHz & 4.9-5.875 GHz Dual Band Antenna

MARS Dual Band antenna provides coverage of 2.4 to 2.5. GHz & 4.9 to 5.875 GHz in a single antenna radome.

Additional Features:

- Simultaneous coverage of 802.11 a,b,g, WiMAX & 4.9 GHz Public Safety Bands.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.
- Easy mounting allowing Az/EI adjustment.



Available in iBwave database

### Specifications

#### Electrical

Frequency range	2.4-2.5 GHz & 4.9-5.875 GHz
GAIN, typ.	2.4-2.5 GHz @ 12 dBi 4.9-5.875 GHz @ 18 dBi
VSWR, max.	1.7 : 1
Polarization	Linear Vertical
3 dB Beam-Width, H-Plane, typ.	2.4-2.5 GHz @ 30° 4.9-5.875 GHz @ 12°
3 dB Beam-Width, E-Plane, typ.	2.4-2.5 GHz @ 60° 4.9-5.875 GHz @ 18°
Side Lobes, max.	-10 dB
Cross Polarization, max.	-12 dB
Front to Back Ratio, min.	ETSI TS3, TS4, TS5
Input power, max.	50 Watt
Input Impedance	50 Ohm

#### Mechanical

Dimensions (HxWxD)	305 x 305 x 25 mm (12" x 12" x 1")
Connector	2 x N-Type, Female
Weight	1.5 kg.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mounting	See ordering options

#### Environmental

Operating Temperature Range	-40°C to +70°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	25 mm radial (survival)

### Ordering Options

MA-WS2455-1X	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WS2455-1XB	Antenna with MNT-22 mount

Patterns are available on our website

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