

## 5 GHz Base Station ( Sector) Antenna, 60°

### -MA-WC55-17

MARS 60° Broadband Sector (Base Station) Antenna provides a cost effective solution for large scale of WLL, WLAN, H-LAN, ISM, UNII, Public Safety, Municipal MESH Networks and Point-to- Multi-Point applications. Additional Features:

- efficient and stable performance with 17 dBi of gain
- small size allowing for easy blending with any environment
- tilt mount allowing for quick and easy installation
- UV protected radome suitable for harsh environment installations



#### Specifications:

#### Electrical

|                                |                                |
|--------------------------------|--------------------------------|
| Frequency range                | 4.9 - 6.1 GHz                  |
| Gain,typ.                      | 17 dBi                         |
| VSWR, max.                     | 1.8:1                          |
| 3 dB Beam-Width, H-Plane, typ. | 60 °                           |
| 3 dB Beam-Width, E-Plane, typ. | 8 °                            |
| Side Lobes, min.               | ETSI EN 302 085 V1.2.3 â€“ CS1 |
| Polarization                   | Linear Vertical                |
| Cross Polarization, min.       | ETSI EN 302 085 V1.2.3 â€“ CS1 |
| Front to Back Ratio, min.      | ETSI EN 302 085 V1.2.3 â€“ CS1 |
| Input power, max               | 50 Watt                        |
| Input Impedance                | 50 Ohm                         |
| Lightning Protection           | DC Grounded                    |

#### Mechanical

|                    |  |
|--------------------|--|
| Dimensions (HxWxD) | 573 x 95 x 53 mm (22.6"x3.7"x2.1")               |
| Weight             | 700 gr.  |
| Connector          | N-Type, Female                                   |
| Back Plane         | Aluminum; protected through chemical passivation |
| Radome             | UV Protected, Plastic                            |
| Mount              | <u>MNT-22</u>                                    |

#### 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 â€“ CS1

#### Ordering Options

|                    |              |
|--------------------|--------------|
| Antenna with mount | MA-WC55-17 B |
|--------------------|--------------|

conditions of sale are applicable on any purchase of any product and are available in the "Policies" section.