

## MA-WD640-6

### 490-860 MHz Base Station Antenna, 90°

MARS Broadband Panel Antenna covers LTE 700 & 800 MHz to support public safety and first responder.

The antenna can be easily used either for Indoor or Outdoor Applications and features different mounting options.

Additional Features:

- Excellent and stable performance.
- UV protected antenna radome.
- Suitable for both Indoor and Outdoor installations.
- DC grounded.



## Specifications

### Electrical

|                               |                                |
|-------------------------------|--------------------------------|
| Frequency range               | 490-860 MHz                    |
| Gain typ.                     | 6 dBi                          |
| VSWR                          | 2 : 1 typ (2.5 : 1 max)        |
| Polarization                  | Linear, Vertical or Horizontal |
| 3dB Beam-Width, H-Plane, typ. | 90°                            |
| 3dB Beam-Width, E-Plane, typ. | 45°                            |
| Front to Back Ratio, typ.     | -15 dB                         |
| Input power, max.             | 50 Watt                        |
| Input Impedance               | 50 Ohm                         |
| Lightning Protection          | DC Grounded                    |

### Mechanical

|                    |  |
|--------------------|--|
| Dimensions (HxWxD) | 500 x 345 x 140 mm (19.7" x 13.6" x 5.5")        |
| Connector          | N-Type, Female                                   |
| Weight             | 1.5 Kg   |
| Mounting           | See Ordering Options                             |
| Radome             | UV Protected Plastic                             |
| Back Plane         | Aluminum protected through chemical passivation. |

### 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              | IP65                                      |
| Humidity                    | ETS 300 019-1-4, EN 302 085 (Annex A.1.1) |
| Salt Fog                    | According to IEC 68-2-11                  |

## Ordering Options

|             |                           |
|-------------|---------------------------|
| MA-WD640-6  | Antenna Suited for MNT-22 |
| MA-WD640-6B | Antenna with MNT-22 mount |

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