

## MA-WE2458-3H

### 2.3-2.7 GHz & 4.9-6.1 GHz Dual Band MIMO Applications Sector Antenna, 120°

MARS Dual Band Sector antenna provides coverage of 2.3 to 2.7 GHz & 4.9 to 6.1 GHz in a single antenna radome.

Additional Features:

- Simultaneous coverage of LTE, 802.11 a, b, g, e, n, WiMAX & 4.9 GHz Public Safety Bands.
- Light weight and durable construction.
- UV protected radome made of polycarbonate.



## Specifications

### Electrical

|                                |                                        |
|--------------------------------|----------------------------------------|
| Frequency range                | 2.3-2.7 GHz & 4.9-6.1 GHz              |
| GAIN, typ.                     | 3 x 5 dBi                              |
| VSWR, max.                     | 2 : 1 (typ. 1.5 : 1)                   |
| Polarization                   | Vertical & 2 Dual Slant $\pm 45^\circ$ |
| 3 dB Beam-Width, H-Plane, typ. | 120°                                   |
| 3 dB Beam-Width, E-Plane, typ. | 70°                                    |
| Input power, max.              | 20 Watt                                |
| Input Impedance                | 50 Ohm                                 |

### Mechanical

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Dimensions (W x L x H) | 200 x 200 x 33 mm (7.9" x 7.9" x 1.25")          |
| Connector              | See ordering options                             |
| Weight                 | 260 gr.                                          |
| Back Plane             | Aluminum; protected through chemical passivation |
| Radome                 | UV Protected Polycarbonate                       |
| Mount                  | See Ordering Options                             |

### Environmental

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Operating Temperature Range | -40°C to +70°C                            |
| Vibration                   | According to IEC 60721-3-4                |
| Flammability                | UL94                                      |
| Water Proofing              | IP-67                                     |
| Humidity                    | ETS 300 019-1-4, EN 302 085 (annex A.1.1) |

## Ordering Options

|                |                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------|
| MA-WE2458-3H   | Antenna 3 x Coaxial Cable RG 316 with RPSMA, wall mountable                                            |
| MA-WE2458-3H2  | Antenna 3 x Coaxial Cable RG 316 with N-Type male with provision for Az/EI adjustable for MNT-22 mount |
| MA-WE2458-3H2B | Antenna 3 x Coaxial Cable RG 316 with N-Type male with MNT-22 mount                                    |

Patterns are available on our website

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## 2.3-2.7 GHz & 4.9-6.1 GHz Dual Band MIMO Applications Sector Antenna, 120°

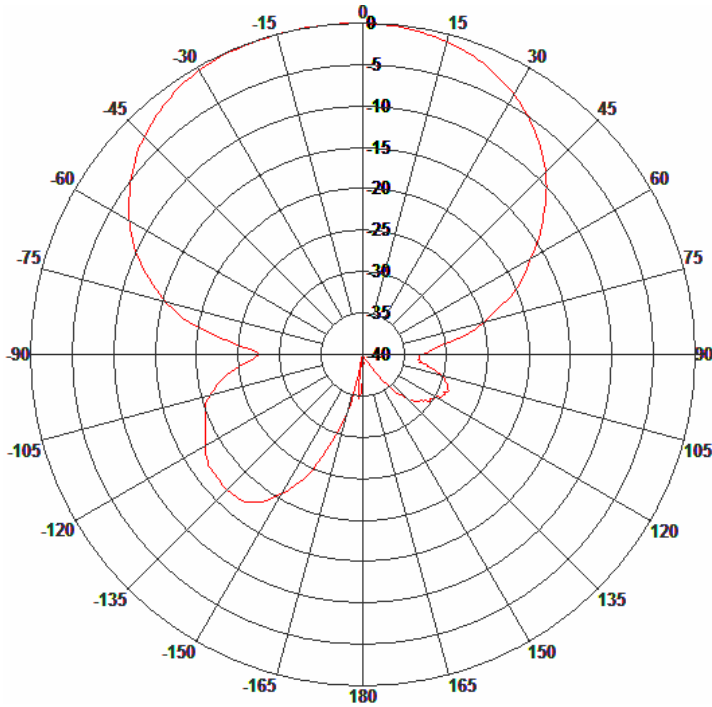
### MA-WE2458 -3H

#### Radiations Patterns

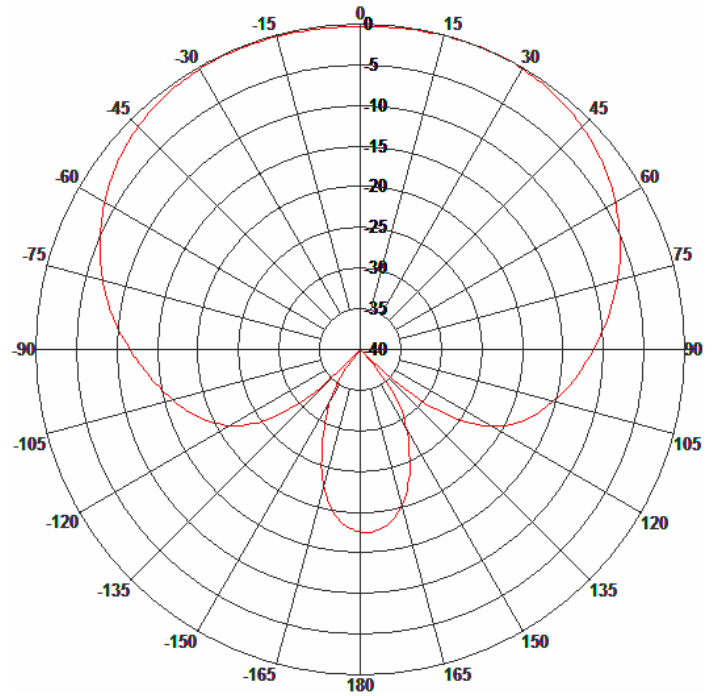
Frequency

2500 MHz

E-Plane Patterns



H-Plane Patterns

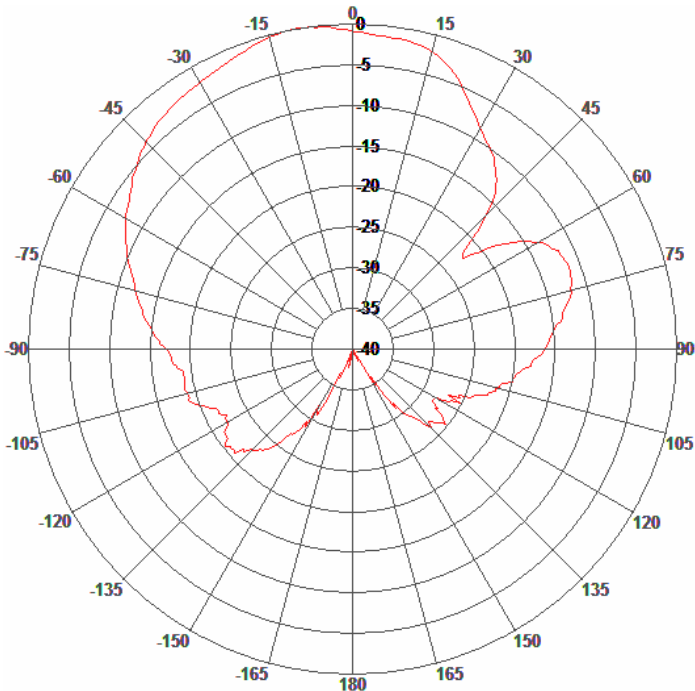


#### Radiations Patterns

Frequency

5500 MHz

E-Plane Pattern



H-Plane Pattern

