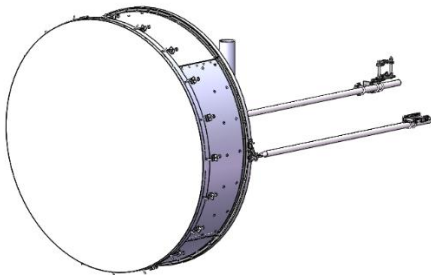


# MW-V18D6W

1.8m 6GHz High Performance Microwave Antenna

PROSE

- High Performance Antenna
- 5.925-7.125 GHz
- Dual-Polarized



## Electrical Data

|                              |      |                                           |
|------------------------------|------|-------------------------------------------|
| Operating Frequency          |      | 5.925-7.125 GHz                           |
| Gain*                        | Low  | 38.5 dBi                                  |
|                              | Mid  | 39.3 dBi                                  |
|                              | High | 40.1 dBi                                  |
| 3dB BW (Azimuth & Elevation) |      | 1.8 deg                                   |
| Regulatory Compliance        |      | ETSI 302 217 R1 Class3   US FCC Part 101A |
| RPE Number                   |      | RPE18-6W                                  |
| VSWR (Return Loss)           |      | 1.30 (-17.7 dB)                           |
| F/B Ratio                    |      | 66 dB                                     |
| XPD                          |      | 30 dB                                     |
| Polarization                 |      | Dual-polarized                            |
| Interface Waveguide Type     |      | WR137 (BJ70)                              |

\* Tolerance : ±1.0dBi.

## Environmental Data

|                       |             |                |
|-----------------------|-------------|----------------|
| Operating Temperature |             | -55°C to +70°C |
| Storage Temperature   |             | -55°C to +70°C |
| Wind resistance       | Operational | 180 km/h       |
|                       | Survival    | 252 km/h       |

## Mechanical Data

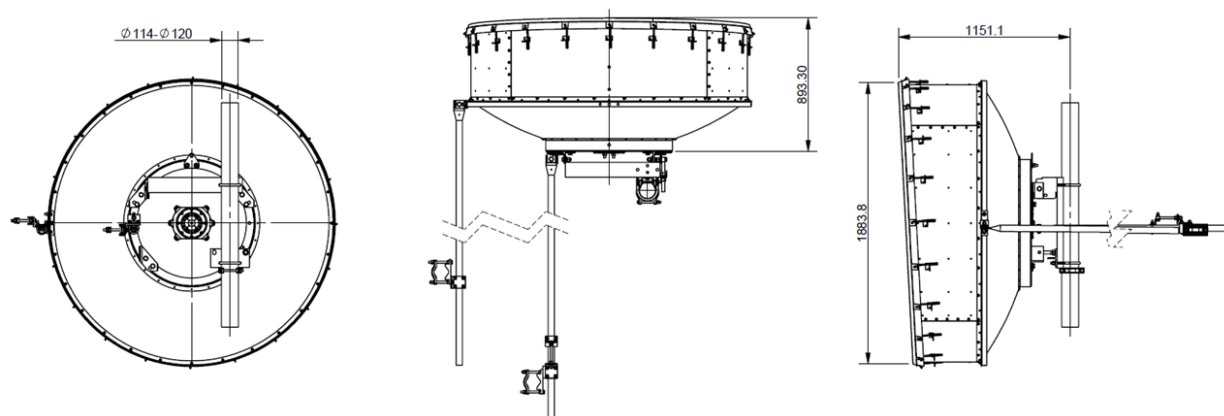
|                        |           |                         |
|------------------------|-----------|-------------------------|
| Reflector Construction |           | One-piece reflector     |
| Adjustment             | Azimuth   | ±5°                     |
|                        | Elevation | ±5°                     |
| Packed Dimension       | L / W / H | 2010mm / 540mm / 2160mm |
| Packing                |           | 1 set in wood box       |
| Net Weight             |           | 72Kg (158.7LB)          |
| Gross Weight           |           | 130Kg (286.6LB)         |

# MW-V18D6W

1.8m 6GHz High Performance Microwave Antenna

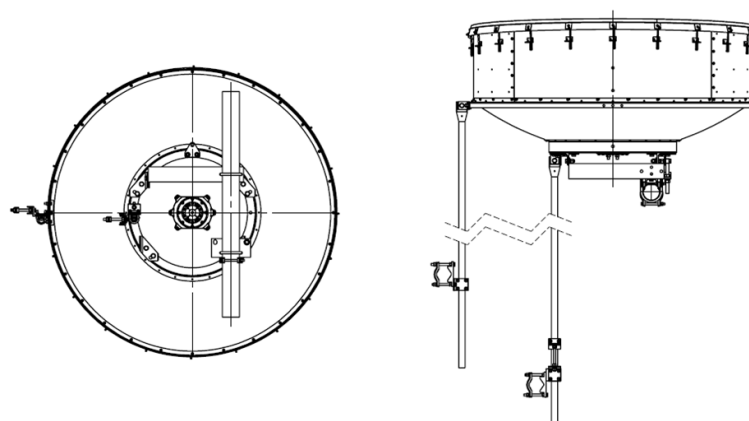
**PROSE**

## Antenna Dimension (in mm) and Mounting Kit



|                       |        |
|-----------------------|--------|
| Pole diameter         | 120 mm |
| Side struts, included | 2      |

## Wind Forces at Wind Velocity Survival Rating



|                           |          |
|---------------------------|----------|
| Axial Force (FA)          | 10810 N  |
| Side Force (FS)           | 3335 N   |
| Twisting Moment (MT)      | 5804 N.M |
| Angle $\alpha$ for MT Max | -10°     |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.