



Product Overview

MEC offers family of the FRP (Fiberglass Reinforced Plastic) omnidirectional antenna which is designed to radiate signals in all horizontal directions equally, making it ideal for applications where coverage is needed in all directions, such as in wireless communications, mobile networks, and broadcasting: Key features, Durability, Lightweight, Wide Frequency Range, Design Versatility.

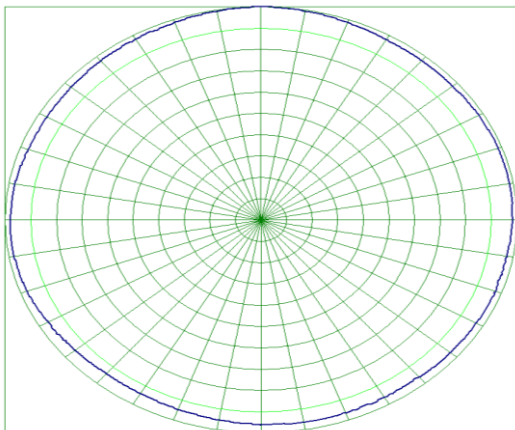
➤ *Performance Data*

| Parameter | Value |
|-----------------|-----------------|
| Frequency (MHz) | 410-510MHz |
| Band(MHz) | 100MHz |
| Gain(dBi) | 5dBi |
| VSWR | ≤2.5 |
| Impedance (Ω) | 50Ω |
| Bandwidth (°) | H: 360° , V:45° |
| Polarization | Vertical |
| Max. Power (W) | 50W |
| Connector | N (Male/Female) |

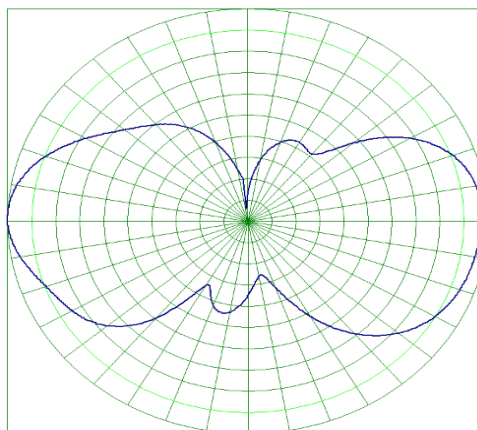
➤ *Technical Data:*

| Parameter | Value |
|----------------------------|---------------|
| Material | FRP/Copper |
| Temperature (°C) | -55°C~ + 75°C |
| Windage | 60 (m/s) |
| Max Mounting Diameter (mm) | Φ 52mm |
| Size (mm) | Φ 18.5*1100mm |

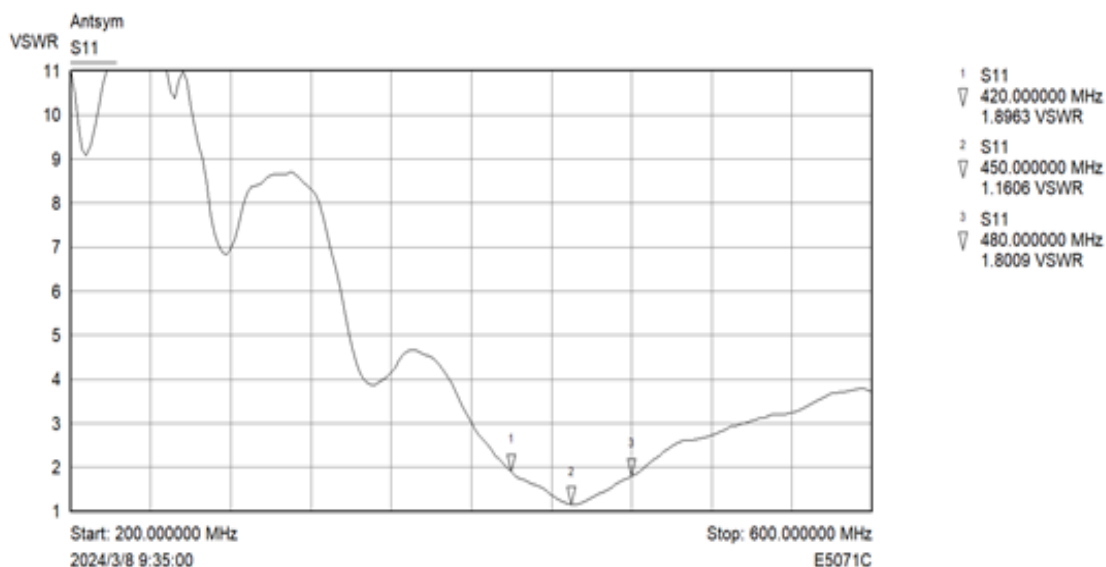
Measured Horizontal Radiation



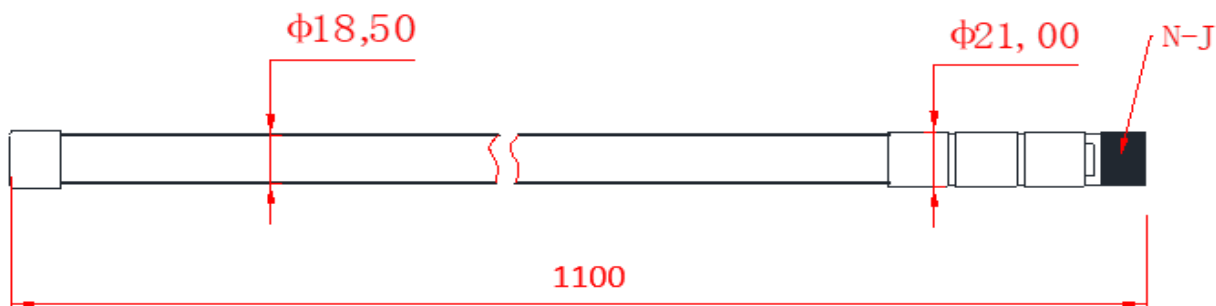
Measured Vertical Radiation



Measured VSWR



➤ **Dimension**



NOTE: All dimensions are in mm