SUNNYWAY

# SWE023

## PN: SW19066EB56



**Sunnyway Technology**

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## 1. Electrical Specifications

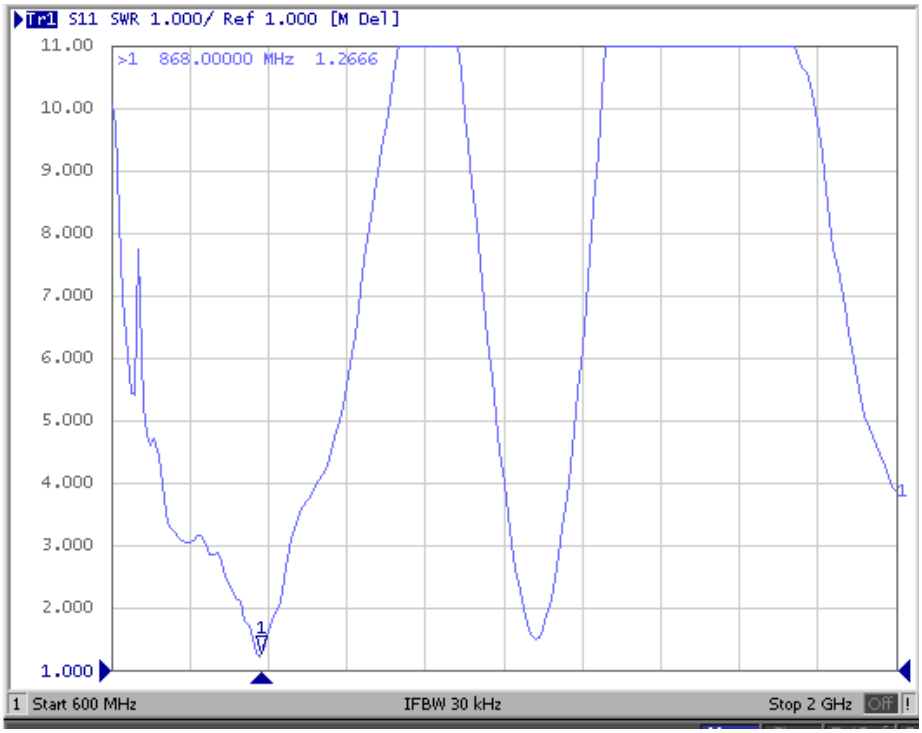
| | |
|---|---|
| Standards | ISM-868MHz |
| Frequency range (MHz) | 868MHz |
| Peak Gain (dBi) | 1.62dBi |
| Average Gain (dB) | -3.57dB |
| VSWR | 1.26 |
| Return Loss | -18.91 |
| Efficiency (%) | 43.97% |
| Polarization mode | Linear |
| Radiation pattern | Omni-Directional |
| Output impedance (Ω) | 50 |
| Max. Input Power(W) | 25 |

## 2. Mechanical and Environmental Specification

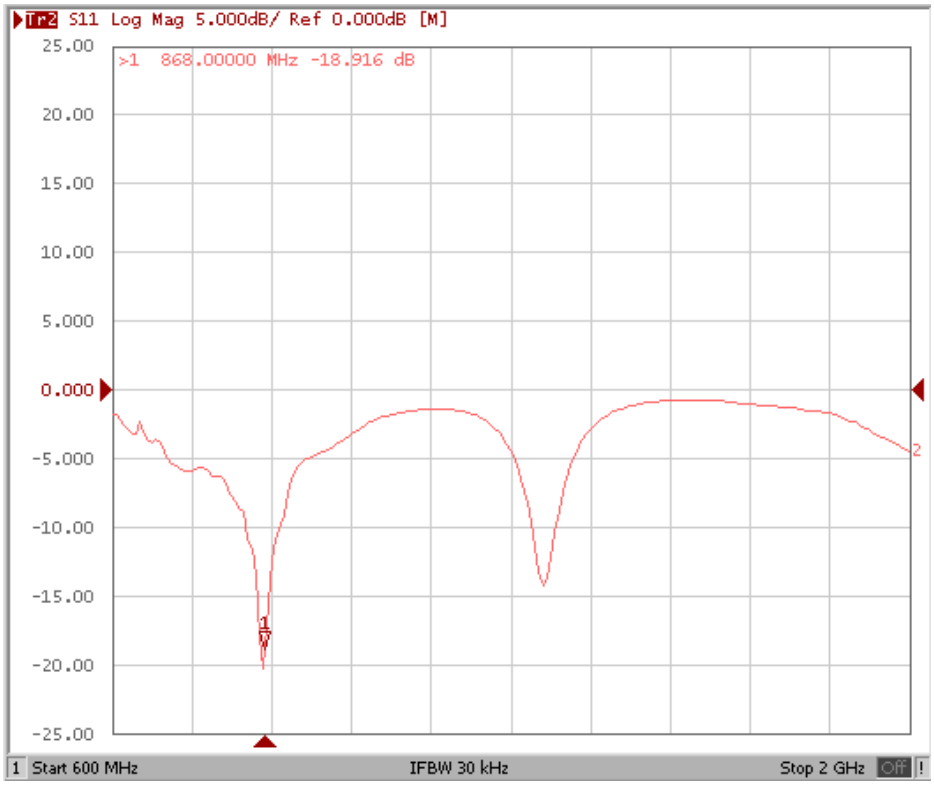
| | |
|---|---|
| Mounting Type | Connector Mount |
| Connector Type | SMA |
| Antenna size(mm) | 51.5Xφ8mm |
| Material | ABS |
| Operating Temperature (˚C) | - 40 ˚C ~ + 85 ˚C |
| Storage Temperature(˚C) | - 40 ˚C ~ + 85 ˚C |

## 3. Antenna parameters

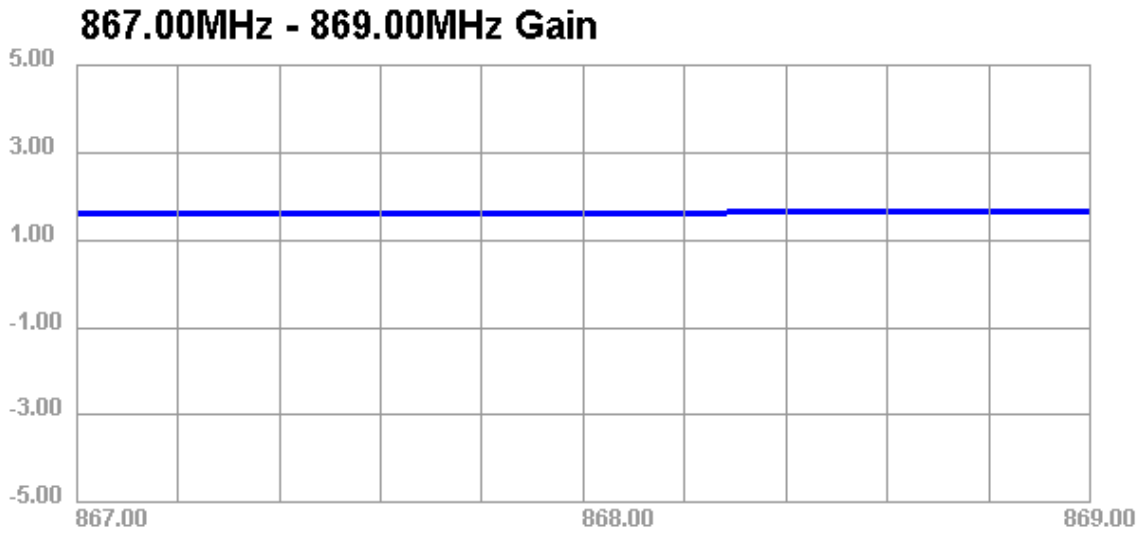
| FRE（MHz） | 868 |
|---|---|
| **VSWR** | 1.26 |
| **Return Loss** | -18.91 |
| **Eff (%)** | 43.97 |
| **Average Gain(dB)** | -3.57 |

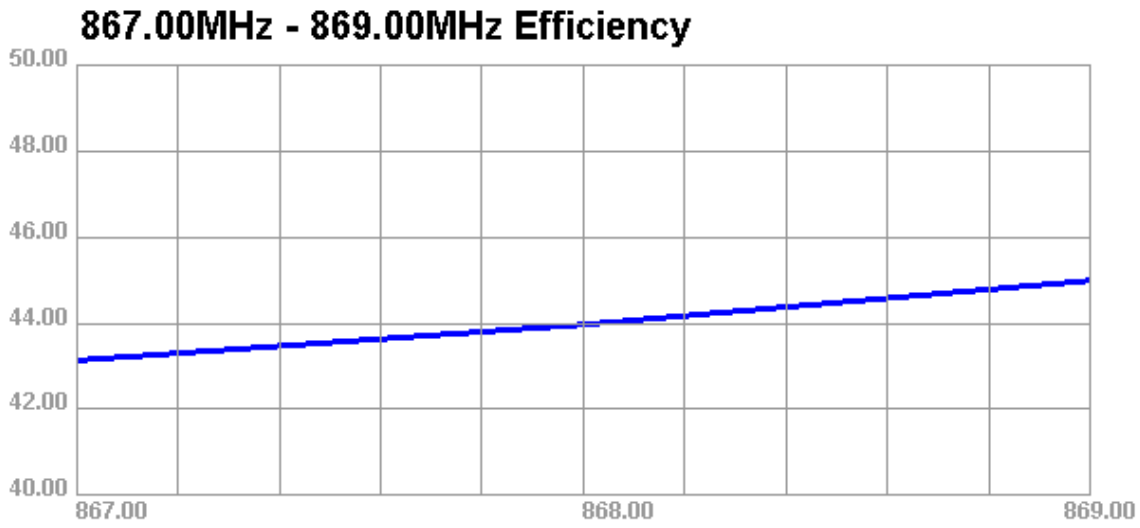



VSWR

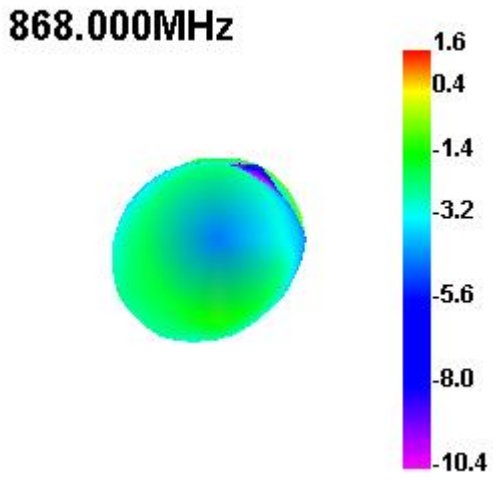



Return Loss

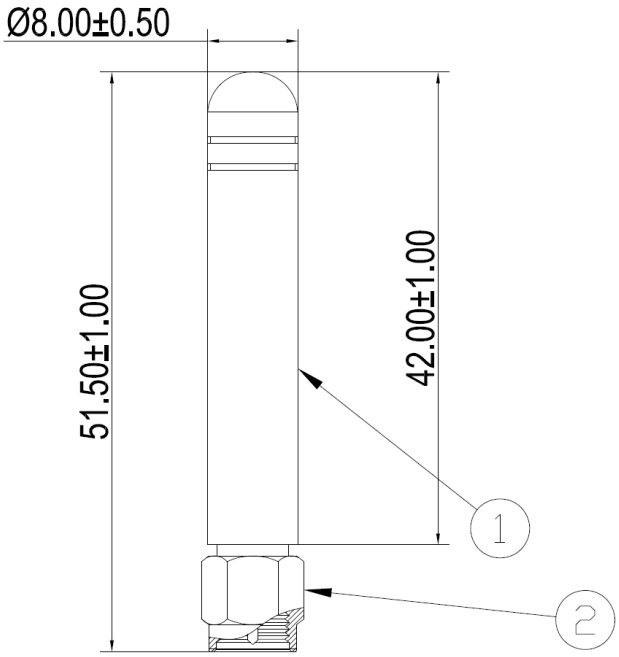



# Directional pattern



## 4. Antenna Drawings




| Series | Component name | Specification | Color | Quantity |
|---|---|---|---|---|
| 2 | SMA | SMA-J | Yellow | 1 |
| 1 | noumenon | ABS | black | 1 |