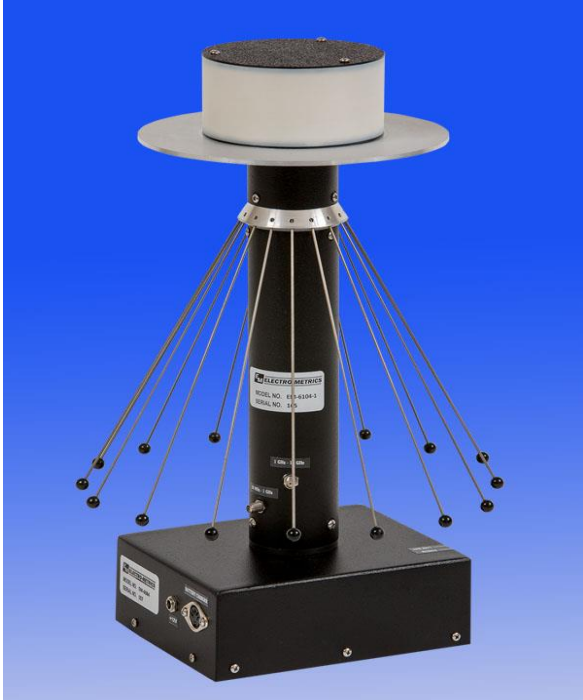


**EM-6104-1 | Omni-Directional Antenna****Features**

- **Small Size**
- **Very wide frequency coverage**

**Description**

The EM-6104-1 is an omni-directional, dual band, hybrid antenna covering 20 MHz-18 GHz. The antenna features wide frequency coverage making it an excellent choice for a variety of applications such as general purpose measurements as well as wideband security applications. This lightweight antenna is ideal for deployable applications that require wideband coverage in a very small footprint. The antenna's elements collapse for convenient storage and transport. The antenna is configured to mount on a standard 1/4-20 tripod stud. The EM-6104-1 Omni-Directional antenna is supplied with an EM-6089-1 Battery Pack.

**Specifications****Electrical****Frequency Range:**

**Upper Connector:** 1000-18000 MHz

**Lower Connector:** 20-1000 MHz

**Impedance:** 50 Ohms, nominal

**Gain: 20-1000 MHz**

- 15 dBi @20 MHz

Increasing to +20 dBi @100 MHz  
23 dBi Typical (100-1000 MHz)

**1000-18000 MHz**

-2 to +5 dBi

**Polarization:** Vertical

**SWR (avg):** <2.0:1

**Output Connector:** SMA (Jack) x 2

**External Power**

**Source (Required):** 12 V.D.C. 60 mA

**Mounting:** 1/4-20 thread

**Mechanical (deployed)**

**Length:** 30.4 cm (12")

**Diameter:** 25.4 cm (10")

**Weight:** .8 kg (1.8 lb.)

EM-6089-1  
Battery Pack  
(included with  
EM-6104-1)



