

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 ¼-20 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 <ul style="list-style-type: none"> • -15 dBi @ 20 MHz • Increasing to +20 dBi @ 100 MHz • 23 dBi Typical (100-1000 MHz) 1000 - 18000 MHz <ul style="list-style-type: none"> • 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:	¼-20 thread

Mechanical (deployed)

Length:	30.4 cm (12")
Diameter:	25.4 cm (10")
Weight:	0.8 kg (1.8 lb.)

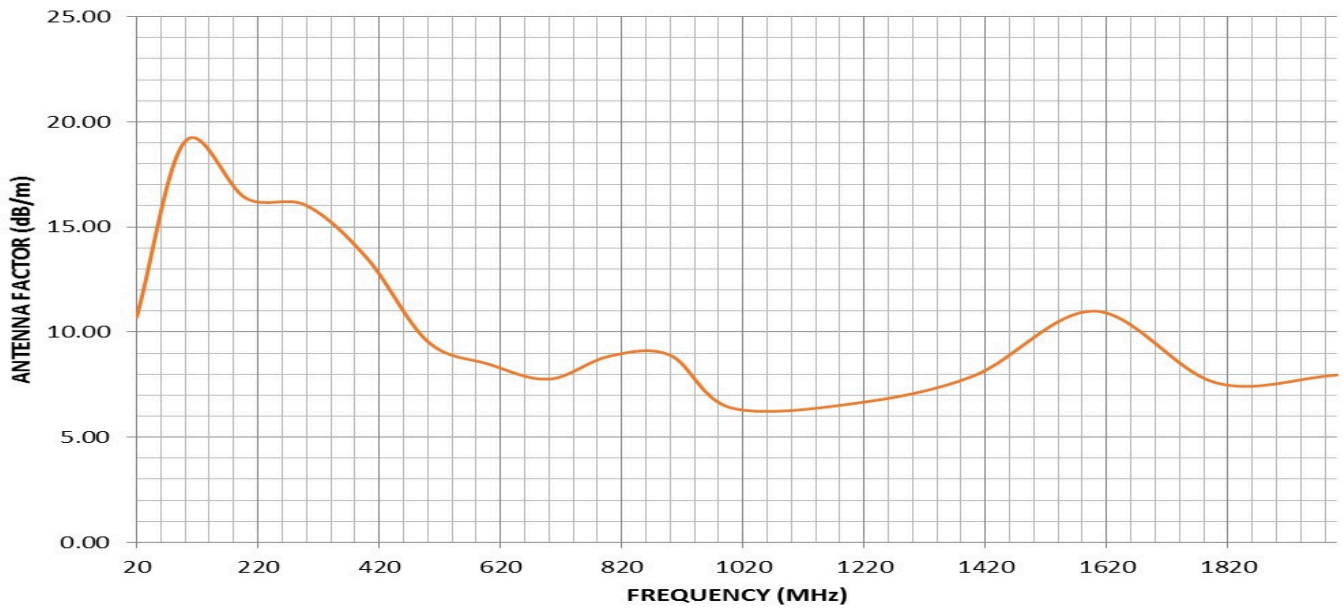
EM-6089-1 Battery Pack (included with EM-6104-1)



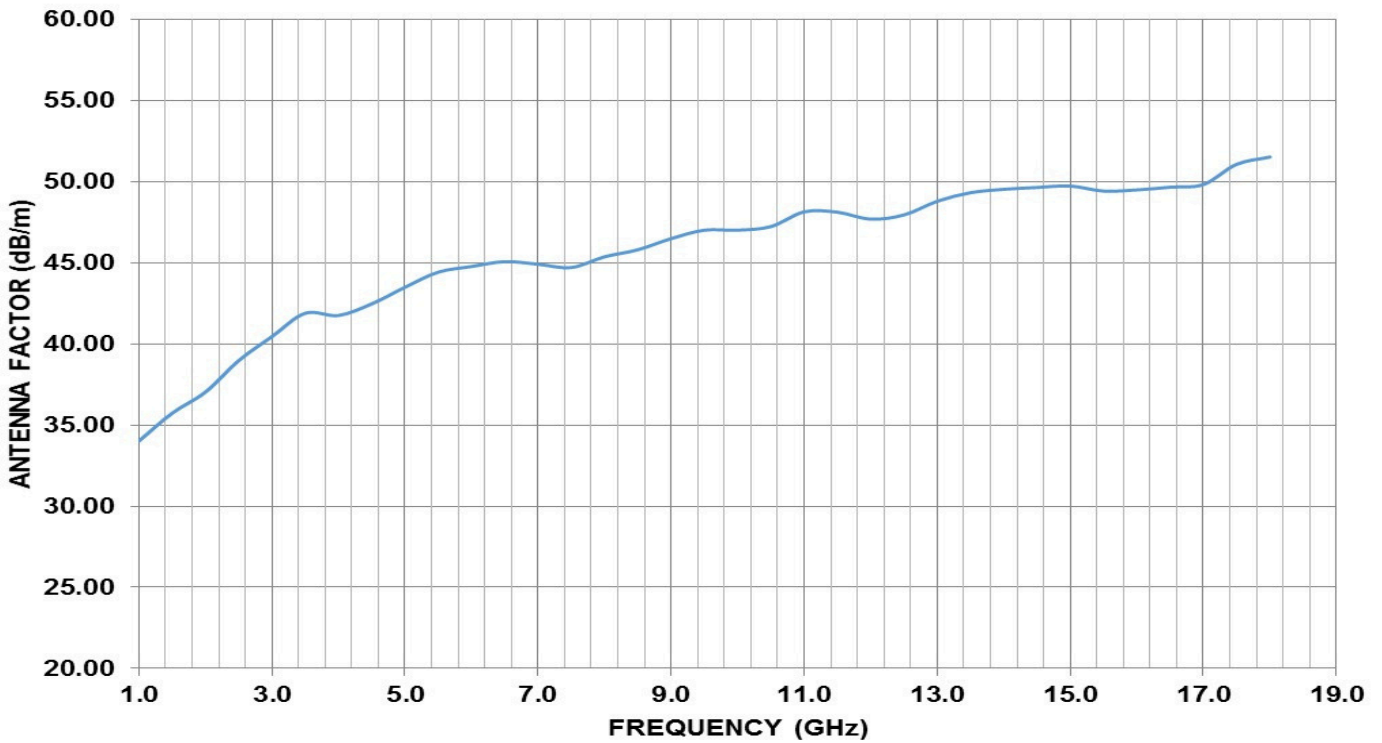
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EM-6104-1 ANTENNA FACTORS LOW BAND TYPICAL



EM-6104-1 ANTENNA FACTORS TYPICAL HIGH BAND



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