

EM-6945 | Antenna, Ultra-Wideband, Directional

500 MHz to 25 GHz

**Description**

The EM-6945 Vector Log Periodic antenna covers the broadest frequency range available in such a small, rugged, deployable package. Offering the uncompromising performance you've come to expect from Electro-Metrics, a state-of-the-art design provides the antenna characteristics you need, unmatched by others in the community.

The all new Vector LPA has its gain and efficiency peaked to give the greatest directional sensitivity from 500 MHz to 25 GHz. Vector is the ideal hand-held device for locating the origin of transmitting equipment. Perfect for SIGINT and multi-band communications applications or any other application where a small, rugged, high performance passive antenna is required. The nominal gain of the antenna is 5-8 dBi up to 16 GHz, with excellent front to back ratio to 25 GHz and above.

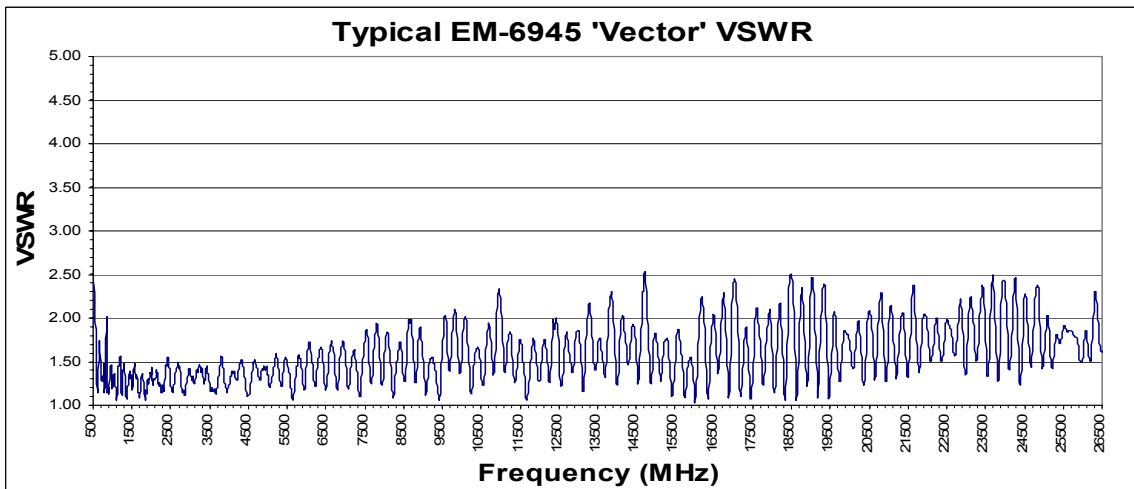
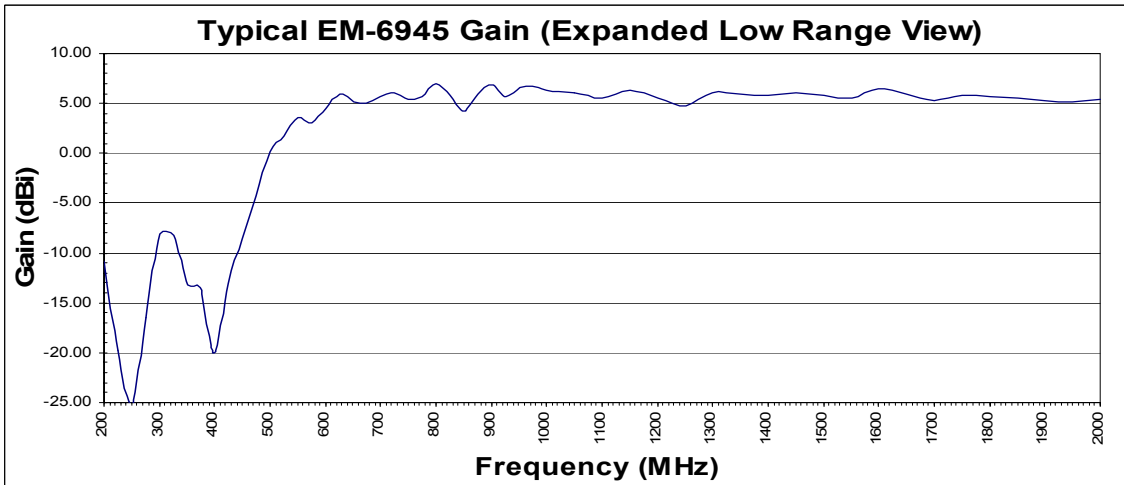
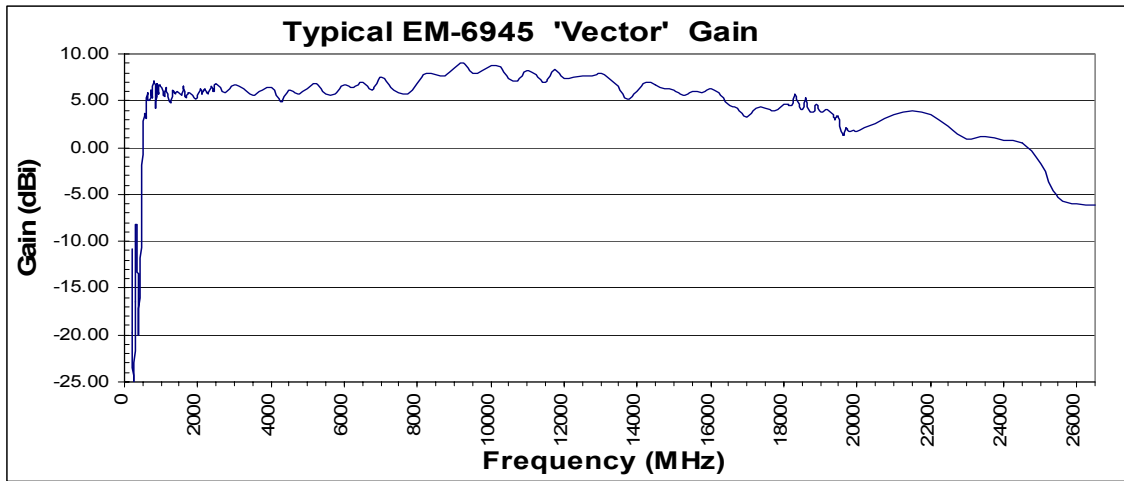
A detented, pivoting handle allows for immediate polarity changes. It also includes a free wheeling 1/4-20 tripod mount in the base of the handle so you can affix it to the tripod without spinning the whole antenna !

Specifications**Electrical****Frequency Range:** 500 MHz – 25 GHz**VSWR:** $\leq 1.7:1$ Average
 $\leq 2.6:1$ Worst Case**Gain:**500 MHz - 25 GHz Nominal ≥ 0 dBi
600 MHz - 16 GHz Nominal 5-8dBi
16 GHz - 25 GHz Nominal 6-0dBi**Beam-width:**E – 70 deg @ 500 MHz
E – 52 deg @ 2 GHz
E – 40 deg @ 12 GHz
E – 18 deg @ 25 GHz
H – 170 deg @ 500 MHz
H – 80 deg @ 2 GHz
H – 65 deg @ 12 GHz
H – 51 deg @ 25 GHz**Impedance:** 50 ohms, Nominal**Connector:** Type k (2.92 mm)**Dimensions:****Overall Length:** 15.5" (39.4cm)**Width:** 8.5" (21.6cm)**Height (w/handle):** 6" (15.25cm)**Weight:** 1.5 lbs (.68 kg)

Ref: 132307

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in
Johnstown, NY USA.





Call Electro-Metrics today for more information or to schedule a demonstration of this exciting new antenna !