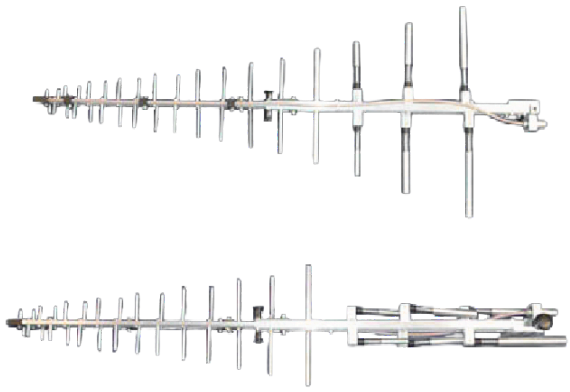
EM ANTENNAS

DATASHEET

EM-6942 | Antenna, Tactical, Log Periodic

400 MHz to 4 GHz



Description

The EM-6942 is a tactical receive and transmit-capable antenna.

The antenna operates from 400 MHz to 4000 MHz and can handle up to 150W of RF input power.

The EM-6942 is designed for harsh environmental conditions, and its folding elements and 2-section design simplify transport and storage. The antenna can be mounted on a tripod or any ¼-20 mount and be positioned for horizontal or vertical polarization.

The antenna is available in black, green, tan, white, and irridited aluminum.

Specifications

Electrical

FrequencyRange:	400 MHz – 4 GHz
Impedance:	50 Ohms, Nominal
Gain:	6-10.5 dBi (500 MHz – 3.6 GHz)
Power Handling:	150 Watts
VSWR:	< 2:1
Front to Back Ratio:	>15 dB*
Connector:	Type N female
Dimensions:	**Assembled:** 31.5” x 13.25” x 2.5” 80cm x 33.7cm x 6.4cm **Disassembled:** **Front Boom:** 15” x 5” x 1.5” 38.1cm x 12.7cm x 3.8cm **Rear Boom:** 16.5” x 7” x 2.5” 41.9cm x 17.8cm x 6.4cm

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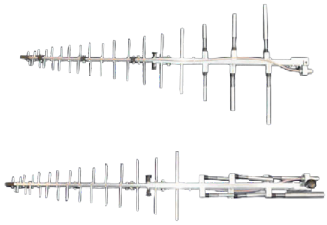
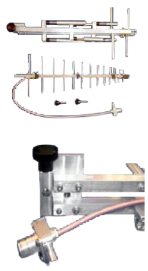
Weight:	2.5 lbs, 1.14kg

*Front to back ratio degraded to 10 dB at certain discrete frequencies below 1000 MHz. See Chart on back.





Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.

MADE IN USA

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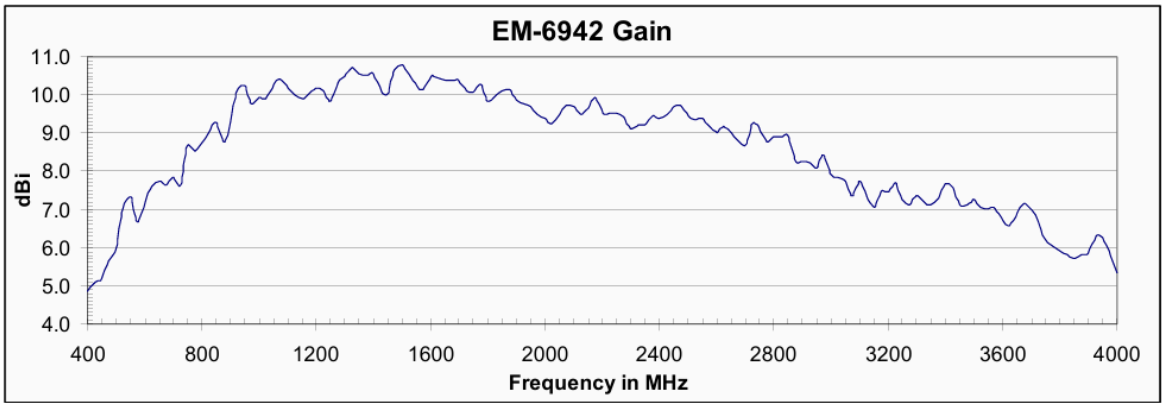
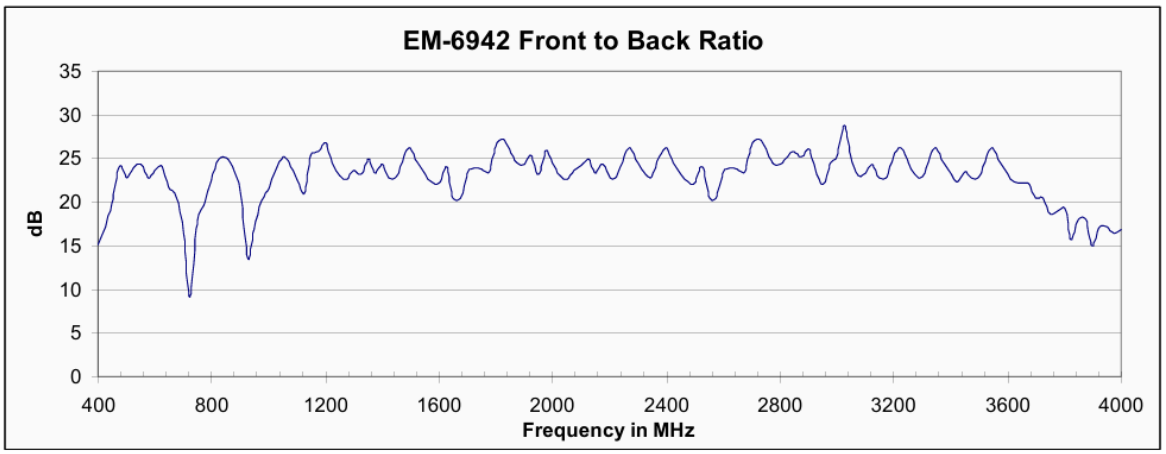
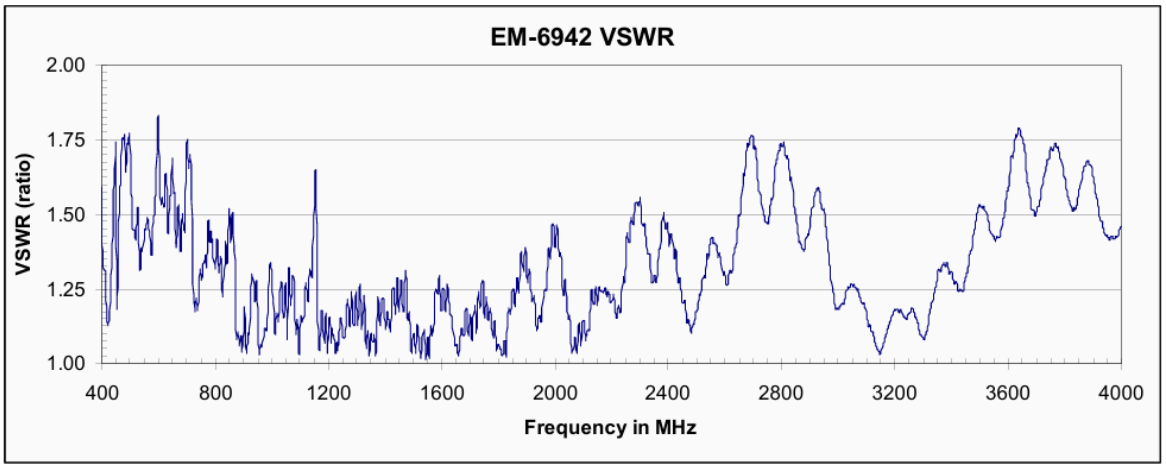
Typical EM-6942 Data Plots







All data shown above is typical, and is not guaranteed identical for each individual antenna

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