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## *Model SB-40 HF Broadband Antenna 2-30 MHz.*

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**Name:** *40-Ft Broadband Antenna*

**Category:** *HF Antennas*

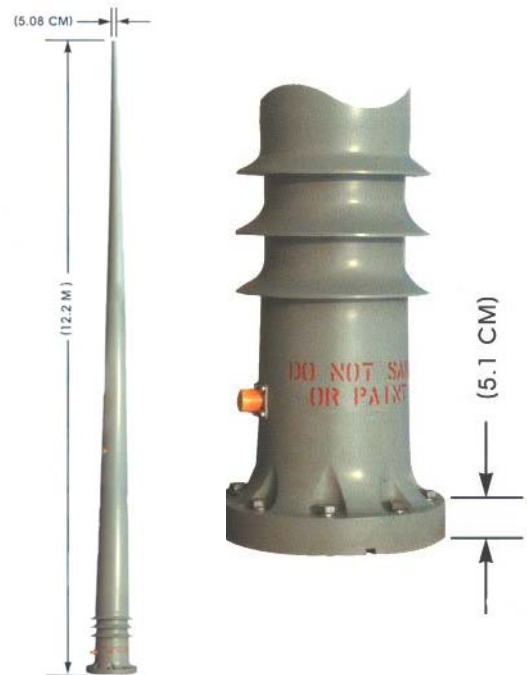
*SB 40*

**Height:** *40 Ft 1 in ± 1 in.*

**Frequency Range:** *2 MHz to 30 MHz*

**Features:**

- \* Minimum Maintainability*
- High Reliability*
- Shipboard Applications*
- Broadband*
- Weatherproof*



**Description:** *The Model SB 40 is a broadband HF tactical whip antenna intended for use in high power Electronic Counter Measure (ECM) systems. Although no external tuning is necessary for operation over the 2 to 30 MHz band, a line flattener can be employed to provide further performance improvement.*

*Self-supporting tunable HF shipboard antenna*

**Notes:**

- 1. Not to use lead base paint to touch-up or repaint antenna.*
- 2. Specifications subject to change without notice.*

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## ***Electrical Characteristics***

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<b><i>Frequency Range:</i></b>	<b><i>2 MHz to 30 MHz</i></b>
<b><i>Polarization:</i></b>	<b><i>Vertical</i></b>
<b><i>Power Rating:</i></b>	<b><i>5 KW</i></b>
<b><i>[Radiation Pattern]:</i></b>	<b><i>Omni-directional <math>\pm 3</math> Db</i></b>
<b><i>VSWR:</i></b>	<b><i>&lt; 2.0:1 Over The 2-30 MHz. and (Better gain)</i></b>
<b><i>Input Connection</i></b>	<b><i>LC Type Connector</i></b>

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## ***Mechanical Characteristics***

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<b><i>Height / Length:</i></b>	<b><i>40 Ft 1 in <math>\pm</math> 1 in</i></b>
<b><i>Weight:</i></b>	<b><i>350 Lbs.</i></b>
<b><i>Radiating Element:</i></b>	<b><i>Aluminium</i></b>
<b><i>Base Insulator:</i></b>	<b><i>Epoxy Fibreglass</i></b>
<b><i>Finish:</i></b>	<b><i>AS FOR SPC.</i></b>

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## ***Environmental Characteristics***

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<b><i>Temperature:</i></b>	<b><i>-60°F to 150°F (-50°C to 65°C)</i></b>
<b><i>Humidity:</i></b>	<b><i>0% to 100%</i></b>
<b><i>Wind Loading Test:</i></b>	<b><i>140 MPH (224 km/H)</i></b>
<b><i>Ice Loading Test:</i></b>	<b><i>4.5 lbs/sq. Ft (22 kg/sq. M)</i></b>
<b><i>Vibration:</i></b>	<b><i>MIL-STD-167-1 Type 1</i></b>
<b><i>Shock:</i></b>	<b><i>MIL-S-901 Grade A</i></b>

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### ***Model SB SB-40***

#### ***HF Broadband Antenna***

**Contact: Tri Star Industries, Tel. 305.975-0546 Fax 305.675-5712**

**E-mail : [info@tristar-industries.com](mailto:info@tristar-industries.com)**