

Wideband Dipole Antennas

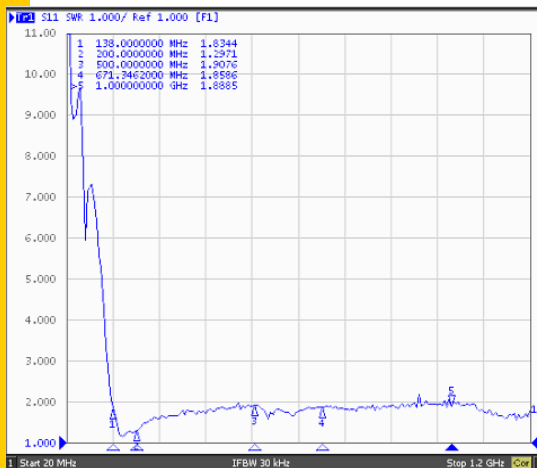


This new line of optimized wide bandwidth antennas provides a superior solution for communications, ESM, or measurement and testing systems requiring large instantaneous bandwidths with very flat impedance requirements.

By using computer optimization techniques, Star-H engineers were able to design an antenna with low VSWR, high efficiency, and lightweight rugged construction. The antenna is available in several standard configurations or customized to a particular bandwidth requirement, and can be stacked for higher gain.

No lossy matching networks or lumped-element circuit components are used in the antenna. Available in lightweight aluminum or heavy duty brass and copper for shipboard applications. Aluminum models may be anodized in a variety of colors including black, tan, and olive drab.

Specifications



Measured VSWR of 130-550 MHz antenna through 50 feet LMR-400 cable from 20 to 1200 MHz.

- **VSWR: 3.0:1 max in band**
- **Standard Frequency Ranges**
 - 30—90 MHz
 - 130—550 MHz (Usable to 1GHz+)
 - 200—700 MHz
 - Others by request
- **Gain: 1.5 to 2.5 dBi**
- **Pattern: Dipole Equivalent**
- **Polarization: Linear**
- **Power: 500W standard with N connector**
- **DC Grounded Elements**
- **EMP Protection Available**
- **Dimensions and Model Numbers:**
 - 30-90: 109" x 48" SHWB-01-60-60-XX
 - 130-550: 23" x 15" SHWB-01-420-340-XX
 - 200-700: 18" x 10" SHWB-01-500-450-XX
- **Mounting: Horizontal or Vertical Pipe Mount**
Tactical Mast Adapters are available

1400 Fox Hill Rd
State College, PA 16801
(814) 353-8311
Fax: (814) 353-8252

www.star-h.com
info@star-h.com