TGR-65 AM TRANSPORTABLE ANTENNA SYSTEM

PRODUCT DATA

LBA Technology's rapidly deployable TGR-65 AM antenna system provides the means of deploying temporary AM broadcast with exceptional signal performance, excellent compatibility with the output of all transmitters and compact size for efficient installation and operation.

The 65 foot antenna system, integral tuning unit and ground radials can be up and running in two hours or less with minimal labor. Take down and repacking can be accomplished in less than 2 hours for re-deployment

The TGR-65 uses the proprietary LBA Tunipole® folded unipole antenna design which has been successfully used by broadcasters aroud the world for many years. The TGR-65 is guyed and top-loaded. It exhibits remarkable bandwidth and signal stability for its compact design and is field tunable at the integrated tuning unit for optimal 50 ohm match to the existing transmitter facility output. It is rated for power up to 1,000 watts, 125% modulated. It is designed to cover the whole AM band and optimum efficiency of performance and full power rating is obtained for frequencies 1000 kHz and above.

SPECIFICATIONS:

- Top loaded Mast Height: 65 ft
- Adjustable Antenna Tuning Unit: 1000 watts
- Ground Radials: 30 at 100 ft ea. (200' optimal)
- Frequency Range: 530 kHz to 1710 kHz
- Radiation Pattern: Omnidirectional
- Input Power: 1000 watts (500 watts below 1000 kHz)
- Input Impedance: 50 ohms
- Field Strength: 110 mV/m/kw/km at 550 kHz
  150 mV/m/kw/km at 1200 kHz
  280 mV/m/kw/km at 1700 kHz
- Estimated Coverage Area: 12 to 18 miles at 1650 khz with good soil conditions*
- Ambient Temperature: -40° C to +50°C at 95% relative humidity
- Ice: ¼" in radial ice
- Wind Resistance: 70 mph Gusts (20 mph during installation)
- Installation Area: The antenna installation requires flat land (normal soil)200 ft in diameter with no nearby structures that could affect the performance of the antenna

**Coverage & efficiency will vary based on frequency, installation & soil conditions*

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