

Model SAT1709-S Transportable Data Link Antenna System

The Transportable Data Link Antenna System consists of a reflector with a Ku-Band feed assembly, a pedestal with an integrated inclinometer/compass, an antenna controller with cables for connecting the pedestal, an RFE for filtering and amplification of the transmit and receive signals, a tripod assembly for mounting the pedestal/feed assembly, and transit cases for transporting the entire assembly.

The controller accepts azimuth and elevation angle data and positions the reflector accordingly. The Transportable Data Link Antenna System takes less than 30 minutes for two people to setup. The antenna is also available without the pedestal (Model SAT1710).

Features

- Transportable Data Link Terminal
- Lightweight Rugged Design
- Quick Assembly



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Specifications

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|---------------------------------|---|
| FREQUENCY | <ul style="list-style-type: none"> Tx - 15.15 to 15.35 GHz Rx - 14.4 to 14.83 GHz |
| EIRP | <ul style="list-style-type: none"> + 71.8 dBmi |
| G/T | <ul style="list-style-type: none"> +14.5 dB/°K min |
| RECEIVED SIGNAL STRENGTH | <ul style="list-style-type: none"> -140 to -80 dBmi |
| SIDE LOBES | <ul style="list-style-type: none"> -18 dB max |
| POLARIZATION | <ul style="list-style-type: none"> Right Hand Circular |
| AXIAL RATIO | <ul style="list-style-type: none"> 2.0 dB max |
| 3 dB BEAMWIDTH | <ul style="list-style-type: none"> 1.7° max at 14.4 GHz |
| FRONT TO BACK RADIO | <ul style="list-style-type: none"> 35 dB min |
| FEED VSWR | <ul style="list-style-type: none"> 1.5 : 1 max |
| ISOLATION Tx Rx | <ul style="list-style-type: none"> -105 dBm |
| RF POWER CAPABILITY | <ul style="list-style-type: none"> 10 W CW max |
| POINTING ACCURACY | <ul style="list-style-type: none"> < 0.75° RSS |
| ANTENNA DIAMETER | <ul style="list-style-type: none"> 36" |
| PRIME POWER | <ul style="list-style-type: none"> 120 Volts 50/60 Hz |
| STOW SIZE | <ul style="list-style-type: none"> 43" L x 62" W x 22" H |
| WEIGHT | <ul style="list-style-type: none"> 200 lbs |
| PEDESTAL TRAVEL RANGE | <ul style="list-style-type: none"> EL - 0-90° AZ - Full Motion 360° |