

Transportable Systems



Overview/Situation

The innovative transportable antenna systems are designed for transportation to any global site, with prompt setup times unique to their trailer based all-in-one design. The RF and Servo system of the antennas are not modified by the trailer mount, and the systems come with all appropriate road worthiness certifications and can be used with standard HGV coupling.

Customer Benefits

- Highly Mobile
- Rapid Deployment
- Levelling Jacks
- Road Legal
- Multi Frequency
- Range of Reflector Sizes
- Fully Autonomous Options
- Immediate Deployment
- Modular Design
- Integrated RF Equipment

If required, space is provided for Client supplied equipment in the RF racks. These systems are ideal for rapid deployment scenarios, and can be tailored to suit your needs. (SUV Trailer Model Shown)

Solution Features

- » Lightning Protection
- » Heaters/ Air Conditioning
- » Tarpaulin Cover
- » Aircraft Transportable
- » Solid/Petalled Reflector
- » Ancillaries Storage
- » Operation Cabins
- » Automatic Levelling
- » Autotrack



Solution Specifications

| MECHANICAL | |
|---|--|
| Antenna Size | Type 1 to Type 5 (1.0m to 6.3m) |
| Antenna Power Supply | Single phase– Antenna Dependent |
| Trailer Size | 4m to 13.5m |
| Trailer Gross Weight (Plated) | 2700kg to 20000kg |
| RF | |
| Frequency Range | L, S, X, C, Ku, Ka, and Q-Band |
| ENVIRONMENTAL | |
| Wind Speed | 90km/h wind (Operational) 200km/h wind (Survival) |
| Temperature | -40°C—+60°C (Operational) -45°C—+70°C (Survival) |
| Humidity | 100% Relative Humidity |
| Driving Rain | Up to 10cm/hr |
| SOFTWARE | |
| Monitoring & Control Software | |
| Providing local and remote operation of the Antenna, using multi-mission satellite scheduling using TLE or direct input or manual or using AutoTracking Software. The antenna system will have motorized automatic tracking with the capability to track LEO, MEO and GEO Satellites. | |
| AutoTracking Software | |
| Utilizes received signal strength to optimize signal reception on any frequency band, improving pointing error to better than 0.025 degree rms. | |



About Comtech

Comtech Telecommunications Corp. is a leading global technology company providing terrestrial and wireless network solutions, next-generation 9-1-1 emergency services, satellite and space communications technologies, and cloud native solutions to commercial and government customers around the world. Our unique culture of innovation and employee empowerment unleashes a relentless passion for customer success. With multiple facilities located in technology corridors throughout the United States and the world, Comtech leverages its global presence, technology leadership and decades of experience to create the world’s most innovative communications solutions.

Contact

Comtech Satellite & Space
 6181 Chip Ave. 624 Krona Drive, Suite 170
 Cypress, CA 90630 USA Plano, TX 75074

Unit 1 Beechwood Toll Free: 1.866.264.0793
 Chineham Business Park
 Basingstoke RG24 8WA
 England, United Kingdom

www.comtech.com/capability/satellite-antennas/

Ref: Transportable System_060923