



Radomes

Space & Component Technology | Radomes

Our cost-effective radome manufacturing technology can be delivered quickly, are easy to install, and RF tuned for the customer's mission. Our geodesic radomes and our spherical radomes offer the very best antenna environmental protection possible against all elements at a very competitive price.

Features

- Single or Multi-Frequency Tuned
- Access Hatches
- Integrated Ring Wall
- Low Insertion Loss
- Lightweight
- Robust

Available Options

- Lightning Protection
- Aircraft Warning Lights
- Passage Doors
- Air Conditioners
- Dehumidifiers
- Blower Ventilation Systems
- Snow Ropes
- Internal Lighting
- Heating
- Tedlar Coatings

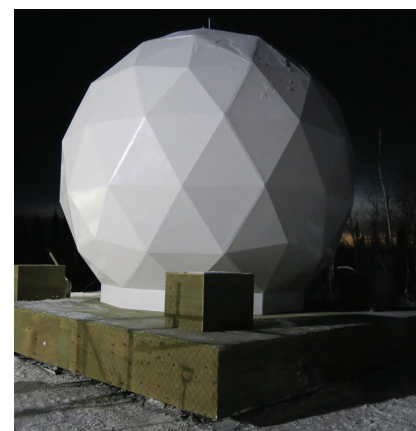
Benefits

- Preservation of hardware by elimination of weather effects; thus extending the antenna's operational life expectancy
- Provides operational improvements such as pointing and tracking accuracy
- Provides operational maintenance cost reductions by reducing system wear due to wind effects

Mechanical	
Radome Diameter Size	1.5 meters – 20 meters (larger on request)
Foam Core Sandwich Composition	'A' sandwich consisting of three layers (i.e. two skins with a foam core)
	'C' sandwich consisting of five layers (i.e., two externally facing skins, two foam cores, and a central layer)
	'S,' a space frame design using a fiberglass framing with a reinforced PTFE-impregnated glass fiber (Teflon) fabric panel (ideal for wideband applications)
Geodesic Design	Stellated 6/5 hexagon/pentagon
Tuned for the Frequency or Frequencies of Interest	
RF	
Frequency Range	L, S, X, C, Ku, Ka, Q, V, W Band
Typical Insertion Loss (all losses depend on frequencies and bandwidth)	<0.1-0.15 dB @ S-band
	0.20-0.35 dB @ X-band
	0.2-0.45 dB @ Ku-band
	0.1 dB @ Ka/ Q /V/W-band (PTFE material) exact losses vary with frequency
Environmental	
Wind Speed	Foam Core Sandwich (A or C): 240 km/hr (150 mph)
	Foam Core Sandwich (A or C) (enhanced): 300 km/hr (190 mph)
	PTFE (Teflon): 200 km/hr (125 mph)
Temperature	-50 C -- +60 C (-58 F -- +140 F)
Humidity	100% Relative Humidity

Contact

Space & Component Technology
 19951 Mariner Avenue, Building 157
 Torrance, CA 90503 USA
 Toll Free: 1.866.264.0793
www.trackmysat.com



About Comtech

Comtech Telecommunications Corp. (Nasdaq: CMTL) designs, develops, produces and markets innovative products, systems and services for advanced communications solutions. The Company sells products to a diverse customer base in the global commercial and government communications markets. For more information visit www.comtechtel.com.

Command & Control Technologies™

275 West Street
 Annapolis, MD 21401 USA
 Toll Free: 1.800.557.5869
 Outside US: +1.410.263.7616
www.comtechtel.com