

Introducing the

**WALTON  
DE-ICE**

# Portable Radome

for SATCOMS



an innovative new  
**Transportable Radome.**  
Protects GEO, MEO, or LEO  
terminals from  
Rain, Snow, Ice  
Wind & Sand.

\*Patent Pending

From the world leader  
in satellite earth station  
weather protection



**DETAILS INSIDE**

# Walton Portable Radome

*Patent Pending*

**Unleash new SATCOMS  
Capabilities  
in extreme conditions**



Whether the mission demands keeping SATCOMS on-air in a 85 mile-per-hour (136 kph) wind storm, a sandstorm, blizzard, hail, or torrential rains – the **Portable Radome** helps make satellite networks more survivable and deployable into extreme or harsh environments. Gain major cost-saving vs. conventional radomes for GEO and non-GEO military or civilian networks.

Protect earth station antennas from these harmful environmental effects:

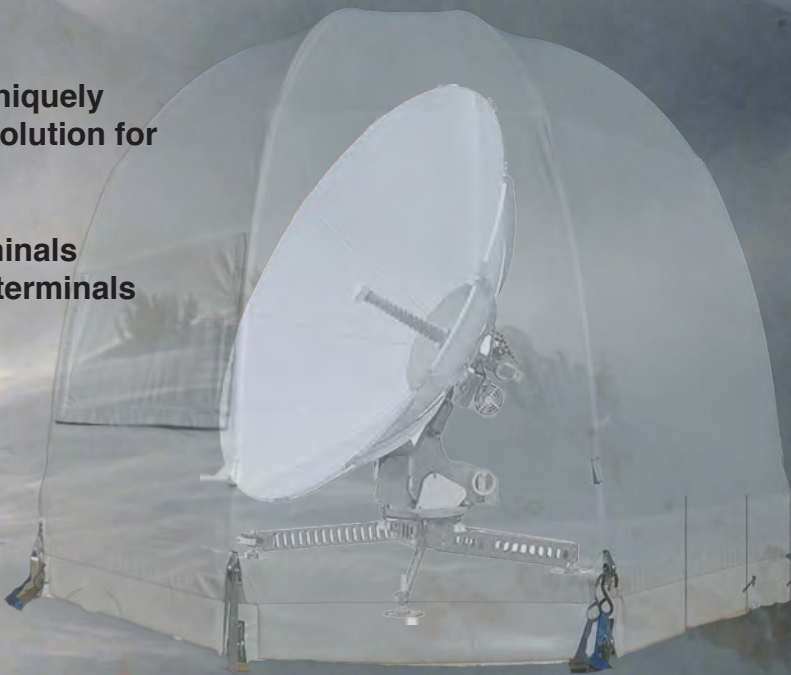
**Rain      Snow & Ice      Sandstorms      Hail      Wind      Ice      Heat      Dust**

Gain these cost-saving, time-saving and performance advantages:

|                                                           |                                                                            |                                                         |
|-----------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------|
| Multiple Frequency options:<br>Ku-Band   X-Band   Ka-Band | Rapid Deployment:<br>in less than an hour – unlike<br>conventional radomes | Wind Resistant:<br>85 mph (136 kph) wind<br>load tested |
| Light Weight:<br>44.45 kg. for 2.13 x 1.68m unit          | Flyaway:<br>Airline baggage checkable                                      | Easy assembly:<br>Without tools                         |
| 100 X Energy savings<br>with <b>Ice Quake</b>             | Hydrophobic material over RF<br>“transparent” frame structure              | Heating or Air Conditioning<br>Options                  |

The **Portable Radome** offers a uniquely deployable weather protection solution for applications such as:

- Military vehicular mount terminals
- Coms-on-the-Pause (COTM) terminals
- VSATs
- Transportable uplinks
- First-Responders terminals
- Disaster Recovery networks
- LEO / MEO terminals



## Protect Antennas from Wind, Dust, Rain, Ice, Snow or Heat

- C-Band, Ku-Band, X-Band, Ka band
- Available in different sizes
- 85 Mph (136 kph) constant wind load
- Self-supporting: no power required
- Quick assembly: no tools required
- Light weight: 2.13m x 1.68m / 44.45 kg.
- Flyaway: airline baggage checkable
- Optional Heating or Air Conditioning
- Permanent or Transportable sites

## Wind Tested

Tests show that the Portable Radome can withstand continuous wind loading up to 85 mph (136 kph)



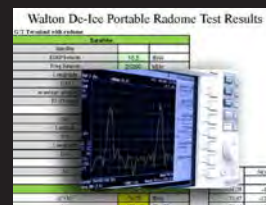
## Permanent or Portable

The **Portable Radome** can also be used for fixed site ground networks. For LEO/MEO constellation infrastructure it can deliver gateway site cost-savings and other advantages compared to traditional radomes.

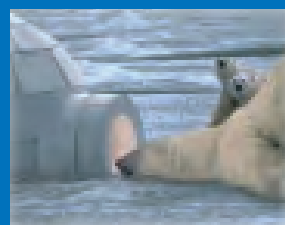
## RF Friendly

The Portable Radome employs rugged, RF-passing, hydrophobic antenna cover materials.

Field testing has shown a minimal G/T decrease of only 0.31 dB at 20 GHz when the Portable Radome covers a small antenna



Testing performed by Actia, France using a .98 meter Skyware Global Ka Band Terminal type used by the Ministry of Defense of France.



**Don't Get Left Out in the Cold!**

Call us at +1.951-683-0930  
or email: [sales@de-ice.com](mailto:sales@de-ice.com)

# WALTON De-ICE

**Protect Your  
Earth Station Antennas  
from snow, ice, rain,  
and more**

## Protecting Military and Government SATCOMS Networks

- Industry leader with decades of global field-proven experience.
- Turnkey installation, maintenance, and 24/7 support.
- Proudly designed and manufactured in the USA. Veteran-owned.

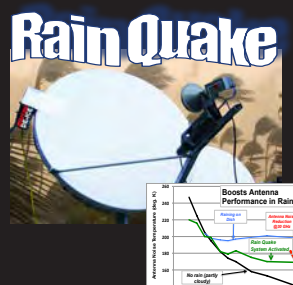


### **Ka-Band Specialists**

The industry's most powerful, cost-effective De-Icing. For antennas from 3.7 to 32 meters. Uniform surface heating minimizes reflector distortion loss/maximizes accuracy



Sheds off snow before ice forms. Huge — up to 100 X — energy savings compared to conventional systems. 0.6 to 6.3 meters.



Minimize Signal Loss due to Rain Fade. Reduce data loss — by 20X or more



+1 (951) 683-0930 | [sales@de-ice.com](mailto:sales@de-ice.com) | [www.De-Ice.com](http://www.De-Ice.com)

Walton Enterprises, Inc. P.O. Box 9010 San Bernardino, CA 92427 USA