

Severe Environment Antenna Series

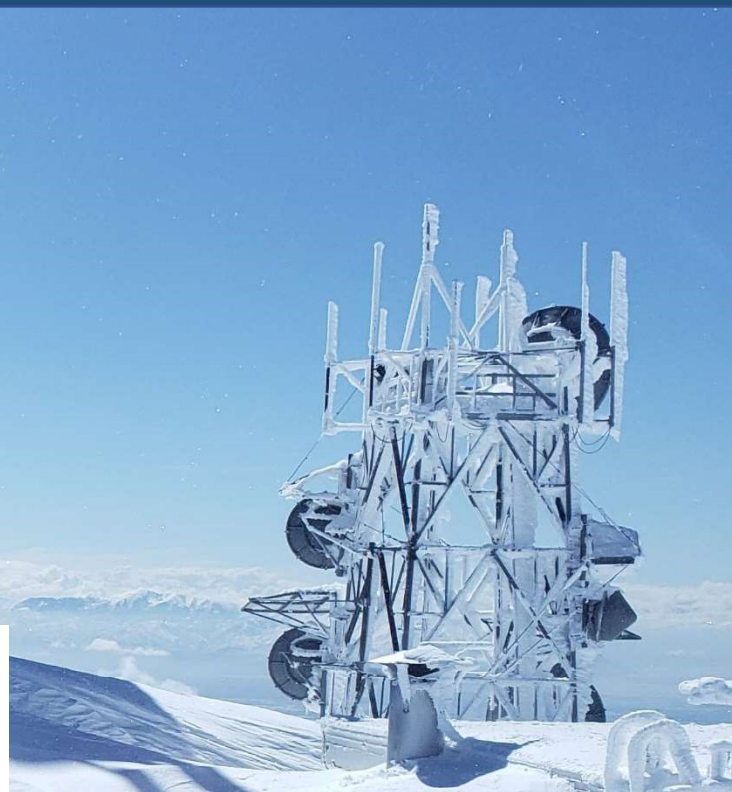
Extreme Conditions need
Severe Environment
Solutions



Mt. Washington Summit - New Hampshire - USA

(c) Paul Wainwright Photography

Severe Environment Antenna Series



Critical Networks

Critical Networks demand reliability from today's microwave transmission link technology and one of the most essential elements to any microwave point-to-point path are its antennas. These antennas must be reliable, professional grade, rugged designs able to weather a wide array of environmental conditions, all while achieving operational and survival performance for years and even decades. The mWAVE™, Gabriel™ and Mark™ Antenna Severe Environment Series of antennas meet and surpass these requirements and have been field proven for decades.

About the Severe Environment Series

Severe Environment Series antennas are available in pre-configured designs and custom configurations. The pre-configured models are designed for wind survival ratings of 255 kmh / 150 mph and 322 kmh / 200 mph. These are the popular HD1A and HD2A series.

The HD1A and HD2A models are designed and constructed with heavy duty reinforced reflectors, heavy duty rims, boxed rims, reflector mount struts and reinforced mount and wind-brace struts. Heavy-duty PTFE Planar and Conical Fiberglass radomes are included. In addition to these pre-configured engineered enhancements all our antenna models can be further engineered and manufactured to meet your site's specific needs.

Situational Solutions

All mWAVE™ antennas are available in a variety of enhanced configurations to meet the toughest environments on the planet.

- 322 kmh / 200 mph (survival)
- 255 kmh / 150 mph (survival)
- 201 kmh / 125 mph (survival)
- Rain / Snow / Ice Loading
- Extreme Cold Temperatures -60°C
- Fire / Heat Rated Temps. 185°C
- Corrosive Environments
- Ruggedized - Fixed and Mobile
- Explosive / Hazardous Environments
- Vibration Countermeasures
- Wildlife Deterrents

Note

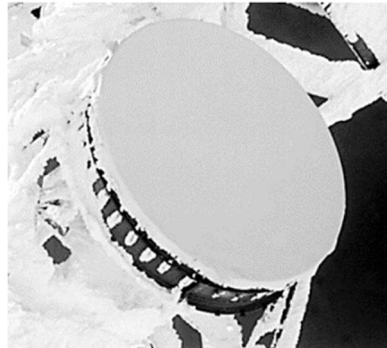
For sites with extreme conditions that are outside those listed above, contact mWAVE for specific customization options or specific model compliance.

Severe Environment Antenna Series

Standard or Customized Configurations

mWAVE's, Gabriel and Mark standard, pre-configured and custom antenna lines are engineered to take on all environments and are deployed worldwide. They are operational on mountaintops with the highest recorded winds, coldest temperatures and the heaviest snow and ice conditions. They are also installed in marine environments including shipboard, oil rigs, corrosive industrial sites and in areas of extreme temperatures ranging from -60°C to 185°C and are the go-to antennas that deliver performance without compromise.

We understand that not all site environmental conditions are created equal and strongly urge you to speak with us about your specific requirements when considering one of our antennas. We have decades of experience in engineering severe environment antennas that go beyond a harsh environment to the extreme.



Antenna Types

- Standard Parabolic
- High Performance
- Ultra-High Performance
- Parabolic Grid
- SAT / VSAT
- Omni Directional
- Telemetry

Field Upgrades

- Heavy Duty Radomes
- Wind Braces and Struts
- Specialty Mounts
- Ice Bridging
- Ice Shields
- Legacy Modifications
- Repairs

- Marine Environments
- Corrosive Environments
- High Winds
- High Temperatures / Fire Resistant
- Explosive / Hazardous Environments



Severe Environment Antenna Series

High Winds

Extreme Temperatures

Snow / Ice

About

mWave Industries is a member of the Alaris Holdings Group of companies and is a leading global provider of innovative custom and commercial microwave antenna solutions with products ranging from 100-MHz to 110-GHz millimeter-wave reflector antennas. Our microwave antenna brands include the industry leading Gabriel, Mark Grid, and mWAVE lines of terrestrial microwave antenna which are recognized worldwide for their robust designs and reliability. Established in 2004, mWAVE designs and manufactures standard and custom microwave antenna products for commercial and government applications spanning the scientific, defense, and academic communities.

mWAVE antennas are engineered and built in the USA



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This brochure is for planning purposes and is only intended for this product lines capability and design potential. mWAVE, Gabriel and Mark product lines are committed to the highest quality standards and environmental sustainability materials. Additional information about mWAVE and our commitment can be found at <https://www.mwavellc.com/mwave-industries-llc-about-us/sustainability/>.

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