



# RFS Strengthens its High Wind, High Ice Antennas With Ruggedized Radomes for Extreme Conditions

RFS' extreme radome design is proven to eliminate flapping and tearing, even in high wind and high ice conditions



Meriden, CT, USA November 26, 2019 - Radio Frequency Systems (RFS), a global designer and manufacturer of total-package solutions for wireless and broadcast infrastructure, today announced that its high wind, high ice antennas now include a ruggedized radome that is specially designed to prevent radome damage in extreme wind and ice conditions. The extreme radome further strengthens the robust and field-proven high wind, high ice antennas and has already proven its value in microwave antenna deployments in harsh

environments around the world.

## Unique radome design features target extreme conditions

RFS' extreme radome includes several design enhancements that target the challenges associated with ensuring long-term radome resilience and performance in high wind and high ice conditions.

For example, the extreme radome provides an extremely tight fit all the way around the shroud, a generous overhang and many robust connection points to eliminate the flapping and tearing issues that can occur with continuous exposure to high winds. In addition, the extreme radome is manufactured with a strengthened and reinforced radome material, including an additional layer with a protective coating that further increases durability and resilience to snow and ice.

"With the increasingly severe weather we're experiencing, microwave antennas need radomes that can withstand more extreme conditions," says Benjamin Gao, RFS Product Line Manager, Microwave Antenna Systems. "Our extreme radome goes well beyond standard weatherproofing measures to ensure longevity in the field, reduce the need for repairs and replacements and increase peace of mind for our customers. We've already received a lot of positive feedback from customers who have deployed antennas with the extreme radome."

RFS microwave antennas with the extreme radome are deployed on off-shore platforms in the Atlantic Ocean and the North Sea, as well as in the Swiss Alps, the Scottish Highlands and northern Norway.

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## About RFS high wind, high ice antennas

RFS high wind, high ice antennas are well-known in the industry for their rugged construction and have been delivering proven performance on mountaintops and other harsh locations in North America for more than a decade. The antennas can withstand 155 mph winds, even with 1 inch of ice build-up. They are available in 6, 8, 10 and 12 ft sizes, a wide range of frequency bands, and include a unique spun backring design and strategically positioned sway bars to ensure antenna and link stability as conditions worsen.

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## About RFS

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, plus active and passive RF conditioning modules, providing total-package solutions for wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors. As an ISO compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is a leader in wireless infrastructure.

## Trademarks

RFS® is a registered trademark of Radio Frequency Systems. All other trademarks are the property of their respective owners.

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