



## RFS introduces 6-ft ETSI Class 4 SerenityLine<sup>®</sup> microwave antennas for super-high performance on 6 GHz and 11 GHz long-haul microwave links in North America

RFS 6-ft SerenityLine<sup>®</sup> microwave antennas complement the existing SerenityLine Class 4 antenna portfolio to enable super-high microwave link performance end-to-end



**Meriden, CT, January 27, 2022 - Radio Frequency Systems (RFS), a global designer and manufacturer of total-package solutions for wireless and broadcast infrastructure, today announced the availability of 6-ft SerenityLine<sup>®</sup> microwave antennas that bring ETSI Class 4 performance to 6 GHz and 11 GHz long-haul links in North America. The 6-ft SerenityLine antennas complement the company's 1-, 2- and 3-ft SerenityLine antennas to allow customers to take super-high-performance microwave services from urban environments through suburbs and across rural expanses.**

### Add more long-haul microwave links to already-congested networks

Interference issues on microwave links are no longer limited to urban and suburban networks. As microwave users densify their networks end-to-end, minimizing interference on long-haul microwave links has become a critical requirement.

The extremely tight radiation pattern envelope (RPE) provided in ETSI Class 4 microwave antennas allows microwave users to add new links to crowded networks with no worries about interference and no need to move to a larger antenna. Class 4 microwave antennas also simplify the frequency coordination process and expedite microwave deployments.

"Our 6-ft SerenityLine antennas give microwave providers the technologies they need to deploy new long-haul links in even the most congested environments without increasing tower space requirements or leasing costs," says Benjamin Gao, RFS Regional Product Manager for Microwave Antenna Systems. "As a result, they can meet the rising network capacity requirements in long-haul microwave networks with lower total cost of ownership and high performance end-to-end."

#### Superior electrical and mechanical performance

Compared to competing 6-ft ETSI Class 4 microwave antennas, the RFS SerenityLine antennas provide higher gain, higher cross-polarization discrimination (XPD), and are faster and easier to install. For maximum flexibility, the antennas are available in single- and dual-polarized versions.



The RFS 6-ft SerenityLine microwave antennas also feature a spun back-ring design and robust mechanical construction that can withstand high winds and other harsh conditions. To ensure continuous high performance in the most challenging environments, the antennas are available in high wind, high ice models with the RFS extreme radome. The extreme radome features a generous overhang that is very tightly attached to the shroud with many robust connection points as well as reinforced radome material that further increases durability and resilience to severe weather.

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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® and SerenityLine® are registered trademarks of Radio Frequency Systems. All other trademarks are the property of their respective owners.

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