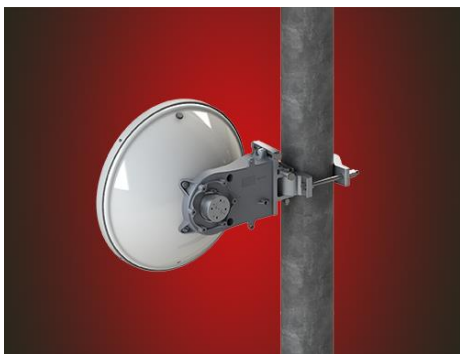


RFS improves 5G urban backhauling with new generation of extremely robust, super-high-capacity E-band microwave antennas

RFS' new 1-ft and 2-ft E-band antennas are already helping mobile operators take better advantage of strategic millimeter wave frequencies in the 71 to 86 GHz range.



Meriden, CT, March 22, 2022 – Radio Frequency Systems (RFS), a global designer and manufacturer of total-package solutions for wireless and broadcast infrastructure, today announced that its new generation of 1-ft and 2-ft E-band microwave antennas are already helping mobile operators around the world take better advantage of strategic millimeter wave frequencies in the 71 to 86 GHz range. Since their initial release, thousands of the extremely robust, super-high-capacity E-band antennas have been deployed to increase backhaul capacity in urban areas. RFS' newest E-band microwave antennas combine the highest operational windspeeds available with superior electrical performance to help operators address key 5G backhauling challenges.

The ultimate combination of mechanical and electrical performance for E-band

As mobile operators look to backhaul massive volumes of data through increasingly congested urban networks, the ability to use strategic, ultra-high-capacity E-band frequencies with no worries about interference is extremely important. RFS' new 1-ft and 2-ft E-band microwave antennas provide the rugged reliability and superior electrical performance needed to maximize E-band radio performance and deliver on these needs. The antennas feature:

- Support for operational windspeeds of 250 km/h
- Super-high gain
- High cross-polar discrimination (XPD)
- High front-to-back ratio

When the light, compact and low-profile 1-ft E-band antennas are combined with the higher power E-band radios now available, operators can support longer distance E-band links with higher quality of service (QoS) anywhere in the world.

“The rapid uptake of our new generation of E-band antennas confirms they deliver the mechanical and electrical performance mobile operators need to continue improving 5G backhaul capacity and microwave link reliability in urban environments,” says Guillaume Prot, RFS Product Line Manager for microwave. “Anyone evaluating our new generation of E-band antennas can be confident they are choosing field-proven solutions.”

Designed for simplicity and low total cost of ownership

RFS' new generation of E-band microwave antennas feature optimized packaging to reduce transportation fees and overall total cost of ownership (TCO) in deployments globally.



Antenna models available from Europe also feature design enhancements that further reduce TCO:

- Pre-assembled models make installation even faster and easier
- Alignment improvements simplify antenna adjustments in the field
- Support for single and dual polarization simplifies upgrades

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

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