

## RFS to Unveil its Family of Commercially Available, 5G-Ready Microwave Antennas at MWC19

RFS' dual-band microwave antennas deliver the high reliability, high availability and low latency needed to make 5G microwave backhaul a reality



Munich, Germany, February 19, 2019 - Radio Frequency Systems (RFS), a global designer and manufacturer of total-package solutions for wireless and broadcast infrastructure, today announced that it will unveil its family of innovative dual-band microwave antennas at MWC19 Barcelona. RFS' dual-band antennas prove that microwave is a viable alternative to fiber for 5G backhauling requirements in urban areas. The commercially available antennas will be prominently displayed in the RFS booth (2L24), and company experts will be available to provide insight and answer questions.

### Two Bands Make All the Difference

Although fiber is generally considered to be the solution of choice for 5G backhauling due to its high throughput, the combination of capabilities available in RFS' dual-band microwave antennas make microwave backhauling an increasingly attractive alternative as mobile operators evolve to 5G.

RFS' dual-band microwave antennas support high-capacity, low-latency 80 GHz E band transmissions as well as higher availability 15 GHz, 18 GHz or 23 GHz transmissions that can travel longer distances. With this combination, the medium-frequency band can supplement the E band with additional capacity and longer reach. As a result, mobile operators can backhaul higher volumes of 5G traffic over longer distances than they can with single-band microwave antennas and with lower latency than fiber connections.

"As mobile operators plan their evolution to 5G, many are asking whether microwave transport technology is advanced enough to handle the demands of a 5G radio access network," says Benoit Bled, product line manager for microwave antennas at RFS. "Our answer is an enthusiastic yes. By supplementing traditional E band transmissions with 15, 18 or 23 GHz transmissions, we've unleashed the full power of E band and made 5G microwave backhaul a reality. Our dual-band microwave antennas have already been used in a European deployment that proves it."

→ **"By supplementing traditional E band transmissions with 15, 18 or 23 GHz transmissions, we've unleashed the full power of E band and made 5G microwave backhaul a reality"**



## KEY BUSINESS BENEFITS

RFS' dual-band microwave antennas provide important benefits compared to using two single-band antennas that support carrier aggregation:

- **Lower total cost of ownership (TCO)** because transportation, installation and tower leasing costs are reduced
- **Easier alignment** because initial alignment is completed using microwave frequencies and only fine tuning is completed using the E band
- **Easier upgrades** because the form factor matches that of current 2-ft, single-band antennas and no additional tower space is required for a second antenna
- **Lower visual impact** because there is only one antenna

## See RFS' dual-band microwave antennas at MWC19

RFS' dual-band microwave antennas are available today in a variety of frequency combinations and diameters. Drop by Booth 2L24 at MWC19 Barcelona February 25-28 to learn more. To book a meeting with our experts, click [here](#).

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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.

### RFS Press Contact

Paula Mennone-Preisner  
Marketing and Communications Specialist  
**E-mail:** paula.mennone@rfsworld.com  
**Phone:** + 1 203 630 3311  
**Cell:** + 1 203 715 1595

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