



# News from RFS

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## RFS Announces Next Generation of RF X-TREME Multiband Antenna Portfolio

*New Design Minimizes Width; Supports Applications Requiring More Low Band Ports*



Nozay (France), February 24<sup>th</sup>, 2017 – [Radio Frequency Systems](#) (RFS), a global designer and manufacturer of cable, antenna and tower systems providing total-package solutions for wireless and broadcast infrastructure, today announced the availability of a dual low band product family within its popular [RF X-TREME™ portfolio](#). This [new RF X-TREME product family](#) can support MIMO 4x4 in the low

band (700-900MHz) and Dual MIMO 4x4 in the high band (1695-2690MHz). It is an ideal solution to support legacy applications in 2G, 3G and a wide range of 4G and 4.5G applications.

RFS' RF X-TREME portfolio of antennas provides high-performance multi-band capability, allowing one or two low band systems and one to four high band systems, depending on the customer's need. This platform allows a high level of flexibility to meet customer expectations to support their network migration challenges. Now, the addition of its new dual low band family which leverages the already proven full set of features brought by first generation of RF X-TREME portfolio, RFS can now better support its customer's network challenges and evolution towards more capacity and coverage, providing an optimized end user experience when using LTE applications. This new generation of RF X-TREME product was designed to allow new LTE 700MHz and 800MHz applications while keeping legacy 850MHz or 900MHz applications.

The platform is designed to achieve the optimal tradeoff between RF performance and mechanical constraint for dual low band platforms to meet customer legacy and 4G challenges, providing MIMO-enabling features (Port-to-port isolation, cross polar discrimination, squint) at the highest market standards.

"This latest generation of the RF X-TREME product range is a natural evolution of our industry-leading platform and not only increases functionality but also offers a sleeker, narrower antenna design to our customers," said Laurent Boulin, global product manager, base station antennas, RFS. "By supporting additional spectrum bands, RFS is able to provide greater flexibility for any network evolution and migration scenario and support all new and legacy applications with a single antenna per sector."

The RF X-TREME dual low band family has a minimized width of 49cm and all solutions include Integrated RET based on a new centralized multi-RET controller system. The antennas feature independent electrical downtilt allowing for greater flexibility in system design and optimized performance. RFS' 4.3-10 connectors support future-proof multi-band antenna deployments, feature



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optimized PIM stability, and allow customers to achieve the highest performance with the new 4.3-10 interface standard (7-16 connectors are possible on request).

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

**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 outdoor and indoor 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.

For more information visit [www.rfsworld.com](http://www.rfsworld.com), or follow us on Twitter: [www.twitter.com/RFSworld](https://www.twitter.com/RFSworld).

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