



News from RFS

RFS to Showcase Comprehensive Broadcast Solutions Facilitating U.S. Spectrum Repack at NAB 2017

SBB Wideband Slot Antennas, RFStar™ UHF Slotted Array Antennas, and Company's Pivotal Role in Transmission System at One World Trade Center to Take Center Stage

Meriden, CT (United States), March 30, 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, will be showcasing its full suite of frequency agile, polarization agile and future proof broadcast products at [NAB 2017](#), including its popular SBB series of wideband slot antennas, PEP Lite antennas, and [RFStar™ UHF Slotted Array Antennas](#). The company's expanded U.S. broadcast manufacturing operations support North American broadcasters as they prepare for the spectrum repacking program. Its ongoing commitment to developing cutting-edge broadcast solutions has earned RFS highly coveted projects, including having its antennas utilized in the installation of [a terrestrial broadcasting solution at the iconic One World Trade Center \(One WTC\)](#) in New York City.

RFS' new wave in broadcast solutions meets the evolving technology needs of its partners for the design, manufacture and deployment of RF technology, systems and services. RFS will be showcasing a combination of new and established broadcast antennas, all-inclusive connector kits and air-dielectric cable products in **booth C2022** at the show.

RFS will also debut a new channel combiner that can be retuned without having to replace any components. Conventional waveguide filters with high power and low loss performance are incorporated into the unit with the capability to be tuned over the UHF band. This high-power, tunable filter technology was created in anticipation of the spectrum repack. By utilizing these recently-developed RFS technologies, the combiner can operate at both pre-and post-repack channels, providing greater flexibility and offering more options for repack scenarios.

Innovative slotted antenna technology – the cornerstone of the RFStar™ product line – for single or adjacent channel fixed polarization applications – will be the subject of a [presentation on Tuesday, April 25th at 2:30pm](#). The session, presented by RFS' Brandon George, will explore a new approach to slotted antenna design techniques using highly accurate full wave EM simulations of the complete antenna in tandem with very fast lower level circuit models and design mapping techniques to overcome the challenges typically associated with slotted coaxial (pylon) antennas.

RFS will be participating in a ["Building an advanced customizable RF Transmission System at One World Trade Center"](#) event as part of the NAB Broadcast Engineering and IT Conference (BEITC) on Wednesday, April 26th, 2017 from 9:00 AM to 10:00 AM in Room N242. It will be about the new terrestrial broadcasting solution deployed at One WTC, which enables the tallest building in

the Western Hemisphere to become a premier transmission site for over-the-air broadcasting. RFS' PEP antenna arrays with patented Variable Polarization Technology (VPT) allow broadcasters to set their own polarization ratios, independent of other broadcasters – a level of flexibility which will prove essential as channels and standards change as a result of the U.S. broadcast television spectrum repack and the introduction of ATSC 3.0.

RFS CTO Nick Wymant will join Durst Organization broadcast communications director John Lyons, Phil Cindrich, president of Myat, Inc., Jim Graf, president of Skyline Towers, and broadcast consultant Josh Gordon for a [“Building the Transmission System at One World Trade Center: The team that built it tells their story”](#) press conference on Sunday, April 23, 2017 from 2:00 PM to 2:45 PM in Room N258 at the Las Vegas Convention Center. To confirm your attendance for the press conference or to ask a question about the event, visit <http://us4.campaign-archive2.com/?u=b1c6da50fa8e8f6e0fa646ab0&id=ae53b00d7e&e>.

“RFS has been an invaluable part of the One WTC project and was able to provide a future-proof solution that gives each broadcaster maximum flexibility, while also ensuring the arrays will be able to support the changes brought on by the repack,” said John Lyons, assistant vice president and director of broadcast communications at The Durst Organization. “We look forward to bringing the whole project team together at NAB 2017 to educate attendees about one of the most high profile transmission system deployments in the world.”

Visit RFS at booth C2022 or contact Jordan Bouclin at Jordan.bouclin@svmpr.com to schedule a briefing at the show.

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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.

For more information visit www.rfsworld.com, or follow us on Twitter: www.twitter.com/RFSworld.

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

PR Contact

Jordan Bouclin
SVM Public Relations
Email: jordan.bouclin@svmpr.com
Phone: + 1 401 490 9700