



RFS supplies ATSC 3.0 ready broadcast antenna for the future of television in Chicago

Broadcast infrastructure specialist extends ATSC3.0 ready broadcast sites for the entire Chicago area



MERIDEN, CT (United States), November 29, 2021 – Radio Frequency Systems (RFS), a global wireless and broadcast infrastructure specialist, announces it has provided a new broadband antenna and channel combiner system to serve the entire greater Chicago area.

The latest deployment on an iconic building within the Chicago skyline, adds to the portfolio of RFS equipment which is being used by broadcasters to serve the population of over 9.4 million. The new RFS broadband antenna will allow continuous broadcast transmission, with future proofing to ensure the equipment can adapt to deliver ATSC 3.0 standards and 5G broadcasting as television continues to evolve.

The single broadband antenna has been optimised to carry five UHF channels and uses a combination of both horizontal and vertical polarization. This will provide enhanced capabilities and reception for NextGen and future TV technologies when compared to conventional horizontally polarized only antennas. RFS's patented VPT (Variable Polarization Technology) systems allows the ratio of vertical to horizontal polarization to be adjusted from the transmitter room inside the building as operational requirements dictate, giving maximum flexibility and lifespan of the equipment as it can be adjusted as standards change.

The antenna system has been tailored to meet the specific needs of a skyscraper deployment. From a cylindrical shroud to minimize the potential build-up of ice on the antenna, to waveguide combiners based on RFS' award-winning directional filter technology to ensure maximum performance. The system is designed to ensure a solution that can continue to provide uninterrupted service both now and in the future.

Nick Wymant, Global Product Manager, Broadcast at RFS commented, "RFS has been providing equipment in Chicago for over 20 years and the addition of the new RFS antenna will provide enhanced transmission performance capabilities, additional capacity and increased operational flexibility for broadcasters and their customers. We understand the space and understand both the current challenges broadcasters are facing, as well as the future landscape of the market and are delighted to be providing a solution capable of serving operators through both scenarios."



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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