

RF SPIN Launches New Lens Antenna Product Line with Patented Technology Offering Unprecedented Gain Increase

Washington D.C., June 16, 2024 - RF SPIN, a leader in advanced antenna technology, proudly announces the launch of its groundbreaking lens antenna product line. The line features three dual-polarized and four single-polarized lens antennas, operating across a broad frequency range of 730 MHz to 40 GHz. The patented 3D-printed lens technology allows these antennas to achieve an unprecedented increase in antenna gain of up to 6 dB.

Key Features and Benefits

RF SPIN's innovative lens antennas are designed to enhance signal quality, and provide a compact solution for various applications. The improved antenna gain ensures stronger and more reliable signal transmission and reception, while the versatile frequency range makes these antennas suitable for a wide array of deployments. The optimized design maximizes performance while minimizing space requirements, making them ideal for both small-scale and large-scale installations.

Dual-Polarized (QRH) and Single-Polarized (DRH) Lens Antennas Available



QRH40C
4 GHz –40 GHz
VSWR < 1.4
Gain 3.5 – 20 dBi
Power 10 W/20 W



QRH20EC
1.7 GHz –20 GHz
VSWR < 1.45
Gain 3.5 – 20 dBi
Power 20 W/40 W



QRH11C
730 MHz –11 GHz
VSWR < 1.4
Gain 3.5 – 20 dBi
Power 100 W/170 W



DRH20EC
1.6 GHz –20 GHz
VSWR < 1.5
Gain 3.5 – 20 dBi
Power 50 W/100 W



DRH30C
2.5 GHz –30 GHz
VSWR < 1.6
Gain 3.5 – 20 dBi
Power 25 W/50 W

The new lens antennas are meeting the growing demands of various applications from telecommunications to advanced research. RF SPIN remains dedicated to pioneering new technologies, continually pushing the limits of what is possible in antenna design and performance. For more information about the lens antennas visit www.rfspin.com.

“Our new lens antenna product line represents a significant advancement in the industry, providing our customers with unprecedented performance and reliability,” said Dr. Zdeněk Hradecký, owner of RF SPIN. “These antennas feature our patented broadband lenses,

which alter the material's permittivity based on the density of the 3D printing process. The unique lens shape, manufactured using state-of-the-art 3D printing technology, highlights our innovative approach to antenna design.”

Discover Our Antenna Innovations at Booth #1149

Visit us at booth #1149 during IMS 2024 in Washington, D.C., from June 16-21. Meet our antenna designer team and the owner of RF SPIN, and explore our entire range of cutting-edge antenna solutions, including our new patented lens antennas. Our team of experts will be available to provide detailed insights into our technologies and answer any questions you may have.

About RF SPIN

RF SPIN is a leading manufacturer of high-quality broadband antennas for a wide range of applications, including wireless communication, select radar systems, and many others. The company is dedicated to providing customers with innovative and reliable solutions that meet their specific needs. With a focus on precision and quality, RF SPIN is a trusted partner for customers around the world.