

RFOptic Newsletter October 2026

Welcome to our October 2026 newsletter. In this issue, we will update you on our latest commercial successes and our participation in the IEEE. As always, feel free to share this newsletter with your contacts and on your social media.

RFOptic received a significant order for its 67GHz links



RFOptic received a significant order from a major integrator to provide its RF over Fiber solution for covering the high-frequency range up to 67GHz. RFOptic's RF over Fiber (RFoF) enables low-loss transmission of high-frequency RF signals between centralized measurement equipment and remote antennas. For measurements up to 67GHz, RF over Fiber (RFoF) offers an attractive alternative to long coaxial cables because it provides immunity to electromagnetic interference and flexible multi-antenna connectivity.

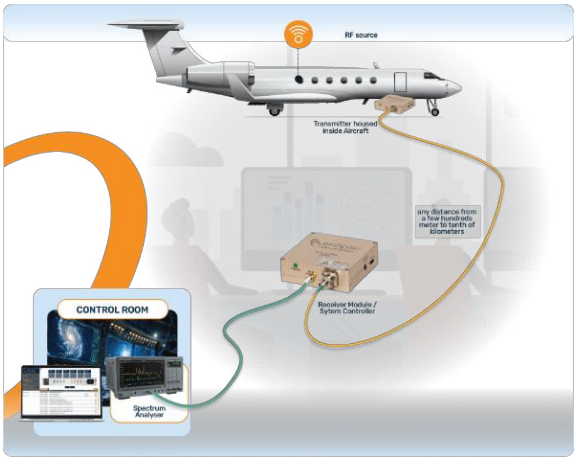
RFOptic provides RF over Fiber links from 1MHz up to 67GHz in 3 different product groups, namely programmable RFoF, Ultra, and High SFDR links. With appropriate phase stability and low-noise performance, RF over Fiber can support precise, repeatable RCS measurements for stealth aircraft characterization.

To learn more, click here.

RFOptic received significant orders for EMC applications up to 18GHz

Several global defense integrators placed significant orders for RFOptic's RFoF applications up to 18GHz to shield test chambers.

Inside shielded test chambers, replacing coaxial cables with optical fiber prevents unwanted RF radiation from cables from interfering with sensitive measurements. RFOPTIC also offers phase-stabilization technology, where required, to maintain phase consistency and support accurate, repeatable measurements. These capabilities provide a reliable solution for demanding EMC test environments.



For EMC testing of aircraft during development and qualification, RF over Fiber technology is essential to achieve isolation in high-power radiated EMC tests and to test at very high frequencies up to 60GHz and above. This method enables transmission of measurement signals over substantial distances, exceeding 400 feet, reducing the risk of damage to test equipment and personnel from powerful induced test fields.

To learn more about this application, click here.

Our participation in the IEEE 40th event was a great success!



RFOptic attended the 40th Annual Symposium and Minishow. Organized by the Institute of Electrical and Electronic Engineers (IEEE) North Jersey Section, MTT-Society and AP-Society Joint Chapter, the event focused on selected topics in RF and Microwave technologies for commercial and military applications.

During the event, Dr. David Gabby, RFOptic's VP R&D, gave a presentation about the **Non-linearity effects in RF over Fiber links**.

Interested parties from various industries, including research laboratories and defense contractors, visited our booth. Some of them were existing customers, while others were eager to learn more about RFoF, especially after watching David Gabbay's presentation.

Mark the date! We will exhibit in booth #2447 at SatShow Week 2027, which will take place **March 8-11, 2027**.

SATSHOWWEEK

We are constantly looking for ways to improve our website. We recently added FAQs, RFoF industry terms, and a glossary to the Knowledge Center. We also uploaded a new video explaining how to connect our programmable RFoF links.

For any questions, remarks, or suggestions, feel free to contact us.

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