**Orbit Communication Systems introduces the innovative AirTRx family of multi-purpose airborne satellite terminals that uniquely enable continuous WiFi communication for regional jets**

**Proven to have extremely high performance, the compact 12” and 18” systems are capable of uninterrupted connectivity, delivering high-resolution data in real time.**

**Satellite DC 2023, March 14-16, Stand 1313**

**March 6, 2023** Orbit Communication Systems Ltd. (TASE: ORBI), a leading global provider of airborne communications solutions, is introducing the AirTRx system for continuous communication for regional jets. The systems are extremely compact and can be installed either on the tail of the aircraft or on the fuselage, to provide exceptionally high-performance Wi-Fi communication during an entire flight.

The compact size of the antenna makes the AirTRx the ultimate solution for regional jets, where space is limited - the AirTRx 30 has a 12'' antenna and weighs less than 22 pounds; AirTRx 46 has a 18'' antenna and weighs less than 32 pounds. The systems have the lowest power consumption of any 12”/18'' terminal on the market.

Unlike other available antennas, the parabolic configuration of the AirTRx enables low elevation look angles down to zero (0) degrees, without any noticeable decrease in performance. Being round and symmetrical aperture also delivers the same performance at all skew angles. When installed on the tail of the aircraft, under the fin cap, the extremely light systems reduce fluttering dramatically.

Both systems deliver high-speed, high-resolution video and data, in real time – the 12” terminal delivers a 140 Mbps+ forward link and a 40 Mbps+ return link; the AirTRx 46 terminal delivers 50 Mbps+ return link with ample fade margins. Easy to install and service, the fully-integrated 2 Line Replaceable Units (LRUs) terminal consists of a RF antenna assembly (including all RF components) an ARINC600 4MCU MODMAN unit.

“As part of their efforts to improve customer service, airlines in the USA have committed to providing Wi-Fi communication to all passengers by 2024,” says Daniel Eshchar, CEO of Orbit Communication Systems. “Orbit's high-end systems meet this urgent need for a technological solution that will enable continuous, reliable and high-performance communication throughout the entire flight. AirTRx systems have already been installed and proven on various aircraft around the world; the unique technology, configuration and low weight provide a precise answer to reginal jets as well. We anticipate many collaborations with our customers in the US and other regions."

**About Orbit Communication Systems:**

Orbit Communication Systems Ltd. (TASE: ORBI), a leading global provider of airborne communications and satellite-tracking maritime and ground-station solutions, is helping to expand and redefine how we connect. Orbit systems can be found on airliners and jet fighters, cruise ships and navy vessels, ground stations and offshore platforms. We deliver innovative, cost-effective, and highly reliable solutions to commercial operators, major navies and air forces, space agencies and emerging New Space companies.

For more information on Orbit, please visit <https://orbit-cs.com/> or <https://www.linkedin.com/company/orbit-communication-systems-ltd/>

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