



Viasat's New Large-Aperture Space-to-Ground Communication Antennas Ready to Support Lunar, Cislunar, Deep Space and DoD Missions

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DULUTH, Ga., Jan. 20, 2022 /PRNewswire/ -- [Viasat Inc.](#) (NASDAQ: VSAT), a global communications company, today announced the availability of its most advanced class of large-aperture antennas, which will be capable of providing the United States and other spacefaring nations with enhanced space-to-ground communications for upcoming Earth observation missions, manned and unmanned missions to the Moon, Mars and other deep space and Department of Defense (DoD) initiatives.

The new class of full-motion multi-band antennas, which range from 19.7 to 24.0 meters in diameter, offer revolutionary capability enhancements when compared to other legacy solutions that still use decades old technology. Viasat's key antenna enhancements include:

- Full-motion high-dynamic pedestal with precise tracking that will support current and future multi-orbit missions from low earth orbit (LEO) to Lunar and beyond;
- An integrated radio frequency (RF) architecture paired with precision reflector surface accuracy to enable enhanced operation from L-band to above Ka-band;
- Robust suite of software leveraging 20 years of delivering the highest levels of cyber security standards;
- RF designs that support use of extremely high-power amplifiers in multiple bands enabling advanced mission requirements; and
- Advanced high-rate modems that will support emerging industry standard interfaces and software defined radio (SDR) frameworks to enable future virtualized architectures.

"There is tremendous interest in earth observation, defense-based intelligence, surveillance and reconnaissance (ISR) and deep space/lunar link communications, which our latest class of full-motion large-aperture antennas were built for," said Kent Leka, vice president and general manager, Antenna Systems, Viasat. "In fact, it only requires a handful of Viasat's large-aperture antennas strategically positioned around the globe to provide constant connectivity, which could bring increased visibility to global space and defense agencies as well as to Ground Station-as-a-Service providers looking to deploy a network of antennas that support upcoming missions with lunar direct-to-earth service and cislunar relay for future missions to the Moon and even Mars."

For more information on Viasat's large-aperture, 19.7 to 24.0 meter antennas, please visit Viasat's website [here](#).

About Viasat

Viasat is a global communications company that believes everyone and everything in the world can be connected. For more than 35 years, Viasat has helped shape how consumers, businesses, governments and militaries around the world communicate. Today, the Company is developing the ultimate global communications network to power high-quality, secure, affordable, fast connections to impact people's lives anywhere they are—on the ground, in the air or at sea. To learn more about Viasat, visit: www.viasat.com, go to [Viasat's Corporate Blog](#), or follow the Company on social media at: [Facebook](#), [Instagram](#), [LinkedIn](#), [Twitter](#) or [YouTube](#).

Forward-Looking Statements

This press release contains forward-looking statements that are subject to the safe harbors created under the Securities Act of 1933 and the Securities Exchange Act of 1934. Forward-looking statements include statements about the features and benefits of the new large-aperture 19.7-to-24-meter antennas, including their ability to provide increased visibility and support upcoming missions and space initiatives. Readers are cautioned that actual results could differ materially and adversely from those expressed in any forward-looking statements. Factors that could cause actual results to differ include: risks associated with the construction, launch and operation of satellites, including the effect of any anomaly, operational failure or degradation in satellite performance; contractual problems, product defects, regulatory issues, technologies that do not perform according to expectations and other factors affecting the communications market generally. In addition, please refer to the risk factors contained in Viasat's SEC filings available at www.sec.gov, including Viasat's most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q. Readers are cautioned not to place undue reliance on any forward-looking statements, which speak only as of the date on which they are made. Viasat undertakes no obligation to update or revise any forward-looking statements for any reason.

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