

# UNFURLABLE KA-BAND REFLECTORS

L3Harris's large, unfurlable ka-band mesh reflectors meet the increasing demand for high-throughput satellite (HTS) antennas that can operate at higher frequencies. These reflectors easily integrate into all spacecraft configurations.

## **PUSHING THE BOUNDARIES OF TECHNOLOGY**

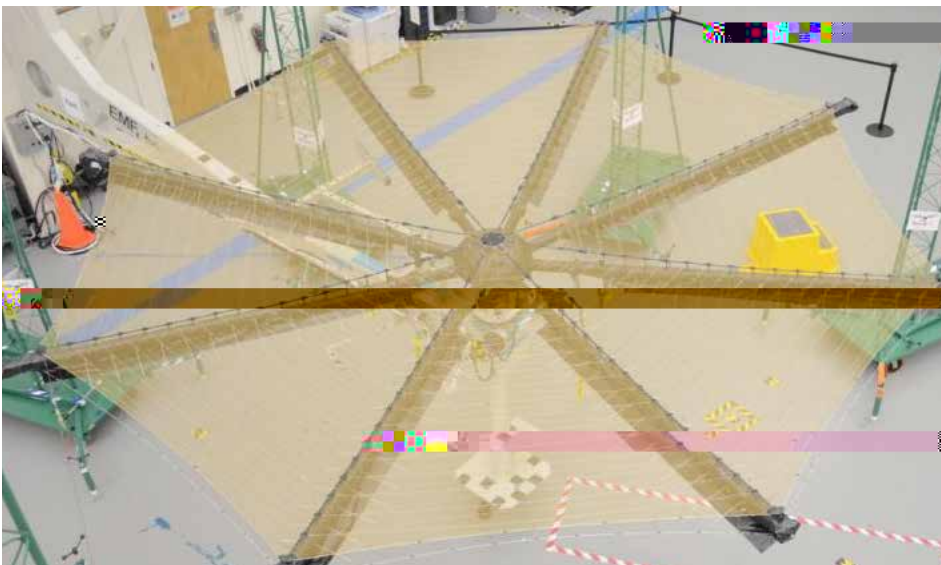
These large, unfurlable ka-band mesh reflectors are designed to meet the increasing demand for high-throughput satellite (HTS) antennas that can operate at higher frequencies. These reflectors easily integrate into all spacecraft configurations. The reflectors are made of a lightweight, durable material that can withstand the harsh conditions of space. They are also designed to be unfurlable, allowing them to be stored compactly on the spacecraft and then deployed in space. This makes them ideal for use on a wide range of spacecraft, from small cubesats to large commercial satellites. The reflectors are also designed to be highly efficient, allowing them to focus the signal from the antenna into a narrow beam. This increases the signal strength and range of the antenna, allowing it to communicate with ground stations over a much larger area. The reflectors are also designed to be highly accurate, allowing them to maintain a precise orientation in space. This is essential for ensuring that the signal is focused on the intended ground station. The reflectors are also designed to be highly reliable, allowing them to operate for long periods of time without any maintenance. This makes them ideal for use on long-duration missions. The reflectors are also designed to be highly cost-effective, allowing them to be used on a wide range of spacecraft. This makes them an ideal solution for the growing market for HTS antennas.

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## The only 5-meter Ka-band unfurlable reflector commercially available

### BENEFITS

- > Increases frequency reuse and capacity over a selected geographical area
- > Reduces cost per bit
- > Enhances mission performance through innovative surface-shaping technology
- > Improves tracking performance through unique hub mounting configuration



## ABOUT OUR 5-METER UNFURLABLE REFLECTOR

Our 5-meter unfurlable reflector is a high-gain, lightweight antenna designed for use in space. It is made of a thin, flexible material that can be folded into a compact shape for launch and then unfurled in orbit. The reflector is made of a thin, flexible material that can be folded into a compact shape for launch and then unfurled in orbit. The reflector is made of a thin, flexible material that can be folded into a compact shape for launch and then unfurled in orbit.

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