

GTA and Elveo Successfully Demonstrate LTE SMS Connectivity via Satellite

(Tamuning, Guam) Tuesday, September 29, 2026 — GTA and Elveo Mobile have successfully completed an end-to-end technical demonstration of SMS connectivity over an LTE network using satellite connectivity, marking an important milestone in exploring satellite-enabled mobile communications for Guam.

The technical demonstration successfully validated the transmission and reception of SMS messages over an LTE connection established through Elveo's satellite network. The test demonstrated the ability to extend mobile connectivity beyond the traditional terrestrial network footprint while using standard LTE technology and a conventional mobile device.

Demonstrating Mobile Connectivity Beyond the Terrestrial Network

As part of the demonstration, a mobile device successfully connected to an LTE network through satellite connectivity and completed an end-to-end SMS exchange.

The test validated the complete communication path between the mobile device, the satellite network, and the terrestrial mobile network infrastructure, demonstrating the potential for satellite technology to complement existing cellular networks and extend connectivity to areas where terrestrial coverage may be limited.

“This successful demonstration represents an exciting step in our ongoing efforts to explore new technologies that can enhance connectivity for Guam,” said Nathan Denight, Senior Vice President of Marketing and Consumer Sales. “Satellite-enabled mobile connectivity has the potential to complement our existing network and provide additional connectivity options, particularly in remote areas and during situations where terrestrial infrastructure may be unavailable or disrupted.”

Exploring Satellite Connectivity for Guam

Guam's geographic location in the Pacific makes resilient and reliable communications infrastructure particularly important. Satellite connectivity can provide an additional layer of communications capability by extending connectivity beyond areas served by traditional terrestrial infrastructure.

The successful LTE SMS demonstration with Elveo provides GTA with valuable technical experience in integrating and evaluating satellite-based mobile connectivity and represents an initial step toward exploring potential future applications of the technology.

“Working with Elveo allows GTA to evaluate how satellite and terrestrial cellular networks can work together to extend connectivity,” added Denight. “We look forward to continuing our technical evaluation and understanding how this technology can support the evolving connectivity needs of Guam and the Pacific.”

Successful End-to-End Technical Demonstration

The demonstration successfully validated:

- LTE connectivity through satellite infrastructure
- End-to-end SMS transmission and reception
- Connectivity using a standard LTE-capable mobile device
- The feasibility of extending cellular connectivity beyond the terrestrial network footprint

GTA and Elveo will continue discussions and technical evaluation of satellite-enabled mobile connectivity, including potential applications for coverage extension, network resilience, and connectivity in remote areas.



About GTA

GTA is Guam's leading telecommunications provider, delivering advanced connectivity solutions for residential, business, and government customers across the island. GTA's services include high-speed fiber internet, 5G wireless mobility, and advanced voice and data services for business and carrier customers that support critical infrastructure, enterprise operations, and everyday communications.

GTA operates secure, locally managed data center facilities on Guam and plays a key role in the island's digital ecosystem through its ownership and operation of Guam's first locally owned cable landing station and data center in Piti. GTA operates four data centers—GU1, GU2, and GU3 on Guam, and HMB IX in Hermosa Beach, California. Together with its subsea cable investments and extensive network infrastructure, these facilities strengthen Guam's position as a strategic digital gateway in the Pacific while supporting reliable, resilient connectivity for the community.

Based in Tamuning, Guam, GTA is a U.S.-owned, locally managed company with nearly 75 years of service to Guam and a long-standing commitment to advancing the island's digital future.

More information is available at www.gta.net.

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