




APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

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Exhibitor Introduction	LIG Nex1 is a leading defense company in South Korea, specializing in the research, development, and production of advanced weapon systems such as missiles and guided munitions, radars and electronic warfare systems, naval and aerospace and unmanned systems. The company provides cutting-edge solutions including multi-layered air defense systems, submarine and naval combat systems, unmanned surface and underwater vehicles, and military satellite communication systems, contributing to national defense capabilities and addressing the needs of future battlefield environments.	
Exhibit Description	LIG Nex1 present several innovative technologies. The first focuses on additive manufacturing, featuring antennas and thermal management solutions developed through advanced in-house 3D printing. The second highlights a deployable antenna with an ultra-lightweight and flexible reflector made of CFRS(Carbon Fiber-Reinforced Silicone) composite, which has been developed through university-industry collaboration..	
Exhibit Product	Additive Manufacturing (3D Printing) <ul style="list-style-type: none">- Wideband Vivaldi array antenna for EA(electronic attack)- Waveguide Slot array antenna for Seeker- AI-optimized Heat Sinks for advanced thermal management solutions tailored for high-density and high-power electronics Deployable Antenna with CFRS reflector <ul style="list-style-type: none">- Ultra-lightweight and flexible reflector made of Triaxially Woven Fiber-Reinforced Silicone composite- 1m Diameter reflector supports L~K band operation and is designed for both satellite and ground-based mobile antenna systems.	