




# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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<b>Exhibitor Introduction</b>	<p>TMY Technology, Inc. (TMYTEK) is an innovator and a game-changer that delivers the breakthroughs of millimeter-wave solutions in 5G/B5G and satellite communication applications to worldwide clients. As a leading technology developer, TMYTEK enables people's everyday life with better connectivity from our clients' products. By transforming the mmWave RF fronted with innovative devices, inventing ready-to-use beamforming development kit, implementing phased arrays with modern Antenna-in-Package (AiP) technology, and redefining the OTA testing methodology, TMYTEK empowers industrial inventions to market faster. Together with our global partners and allies, we make historical firsts and positively impact society. Find out more from <a href="https://tmytek.com">tmytek.com</a></p>	
<b>Exhibit Description</b>	<p>Planning the quantity and location of base stations are key factors in a successful deployment. mmW-Coverage solutions emulate gNB and UE with an SDR-based testbed, redistribute FR2 mmWave signals by XRifle Reflectors and Dynamic RIS to construct optimal coverage with reasonable cost.</p> <p>The XRifle Dynamic Reconfigurable Intelligent Surface (RIS), engineered for the 28 GHz FR2 band, achieves reflective angles through precise control of its element switches. It demonstrates exceptional performance in high-frequency applications, boasting a remarkable 60 degree reflective angle range that facilitates versatile signal control. With a scanning range of <math>\pm 60</math> degrees, this system exhibits extensive adaptability. And its 1024 units ensures robust signal transmission and can expand to 4096 units, enhancing the efficiency of signal coverage and reflection.</p>	
<b>Exhibit Product</b>	<ul style="list-style-type: none"> <li>• The ideal solution for 5G FR2 research in the lab and base station deployment in the field: <b>XRifle Dynamic RIS and XRifle Reflector</b></li> <li>• 5G FR2 network testing solution for development and deployment validation: <b>FR2 OAI E2E Testbed</b></li> <li>• mmWave communication with a compact, high-integration Antenna-in-Package solution for scalable 5G/B5G and advanced applications: <b>CloverCell, Phased Array Antenna</b></li> </ul>	