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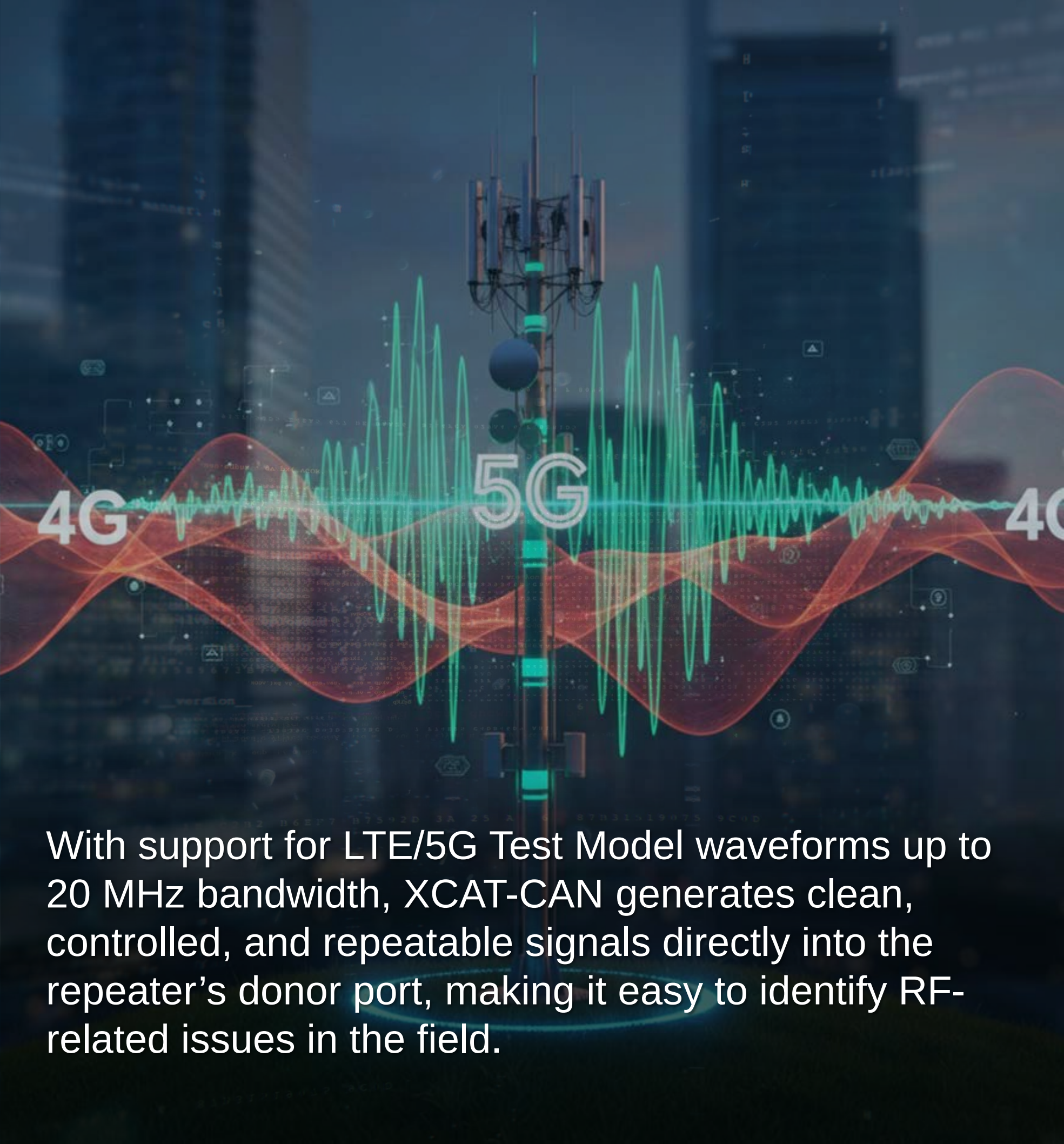
Handheld Repeater Testing



Engineers are still relying on heavy equipment, laptops, and complex setups to validate repeater performance. However, XCAT-CAN and XCAT-IXA shift the testing workflow to a smart-device-centric approach, enabling fast testing and reporting.



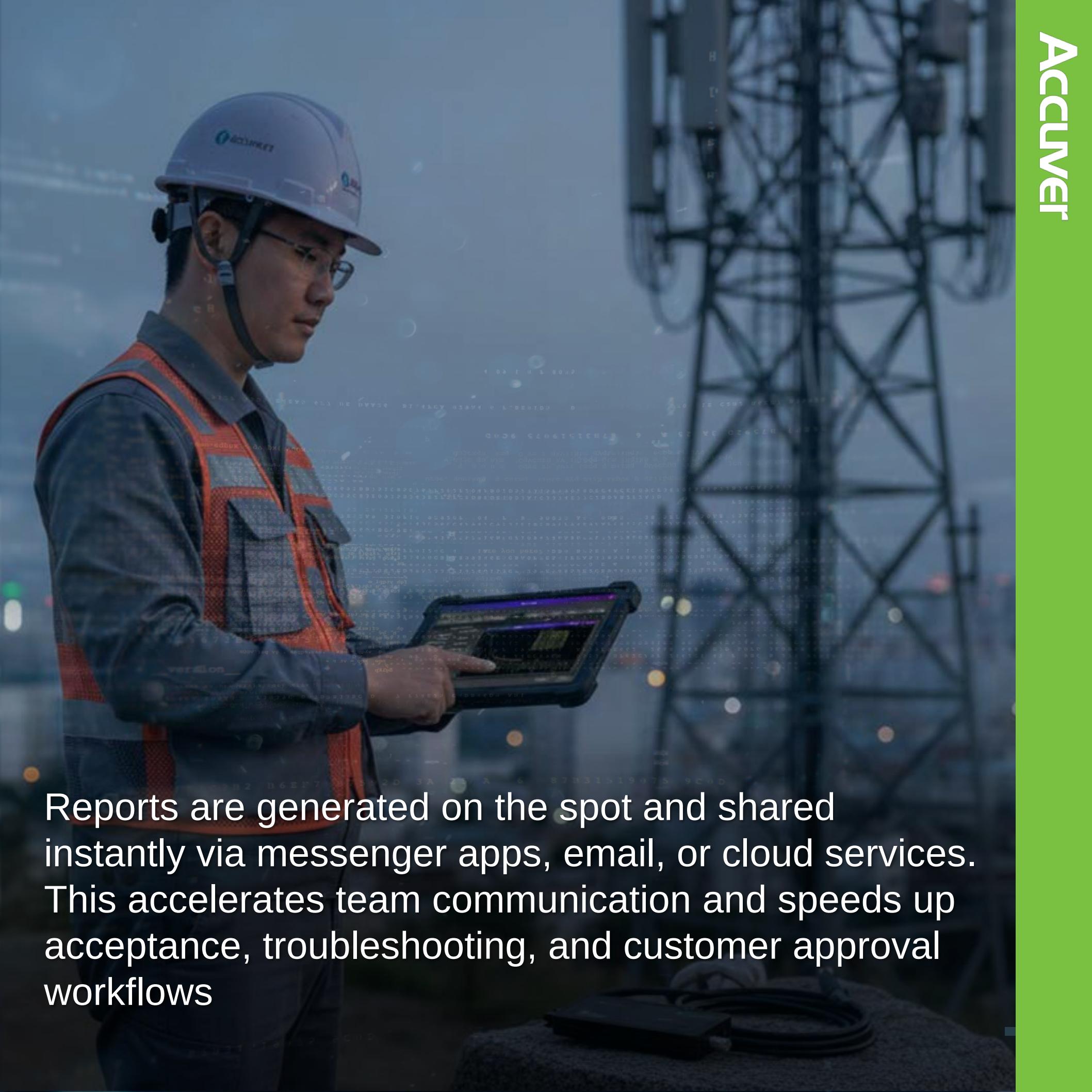
XCAT-CAN provides essential antenna-line KPIs such as VSWR, Return Loss, and DTF, enabling quick detection of cable faults, connector issues, and impedance mismatches before functional testing begins.



With support for LTE/5G Test Model waveforms up to 20 MHz bandwidth, XCAT-CAN generates clean, controlled, and repeatable signals directly into the repeater's donor port, making it easy to identify RF-related issues in the field.



Connected to the repeater output, XCAT-IXA measures EVM, Channel Power, OBW, and more. Engineers see all KPIs immediately on mobile—no external PC required.

A man wearing a white hard hat with a logo, safety glasses, and an orange safety vest over a grey shirt is looking at a tablet. He is standing on a construction site with a large metal tower structure in the background. The scene is dimly lit, suggesting dusk or dawn. The background is slightly blurred, showing some lights and structural elements of the tower.

Reports are generated on the spot and shared instantly via messenger apps, email, or cloud services. This accelerates team communication and speeds up acceptance, troubleshooting, and customer approval workflows

A man and a woman are looking at a large computer monitor in a dimly lit room. The monitor displays a complex software interface for testing. At the top, there's a status bar with '6056' and a red circle icon. The main area shows a waveform graph with a yellow signal fluctuating between -20 and 40. Below the graph, there are several smaller graphs and data readouts. On the right side of the screen, there's a vertical list of buttons or indicators labeled 'MOS', 'MOS', 'MOS', 'FREQ', 'SWR', 'ARAP', 'BW', 'CLOCK', 'TRACE', 'MAGN', and 'PEAK'. The background shows a city skyline through a window.

Engineers can record the test screen to capture abnormal behavior, then request remote support. Experts can review recordings or remotely operate the system, enabling faster and more accurate problem resolution.



Data measured with XCAT-CAN can be edited on Windows PC using the XCAT Viewer program

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For more information

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