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V2X Congestion Test System WCEX-CGTS



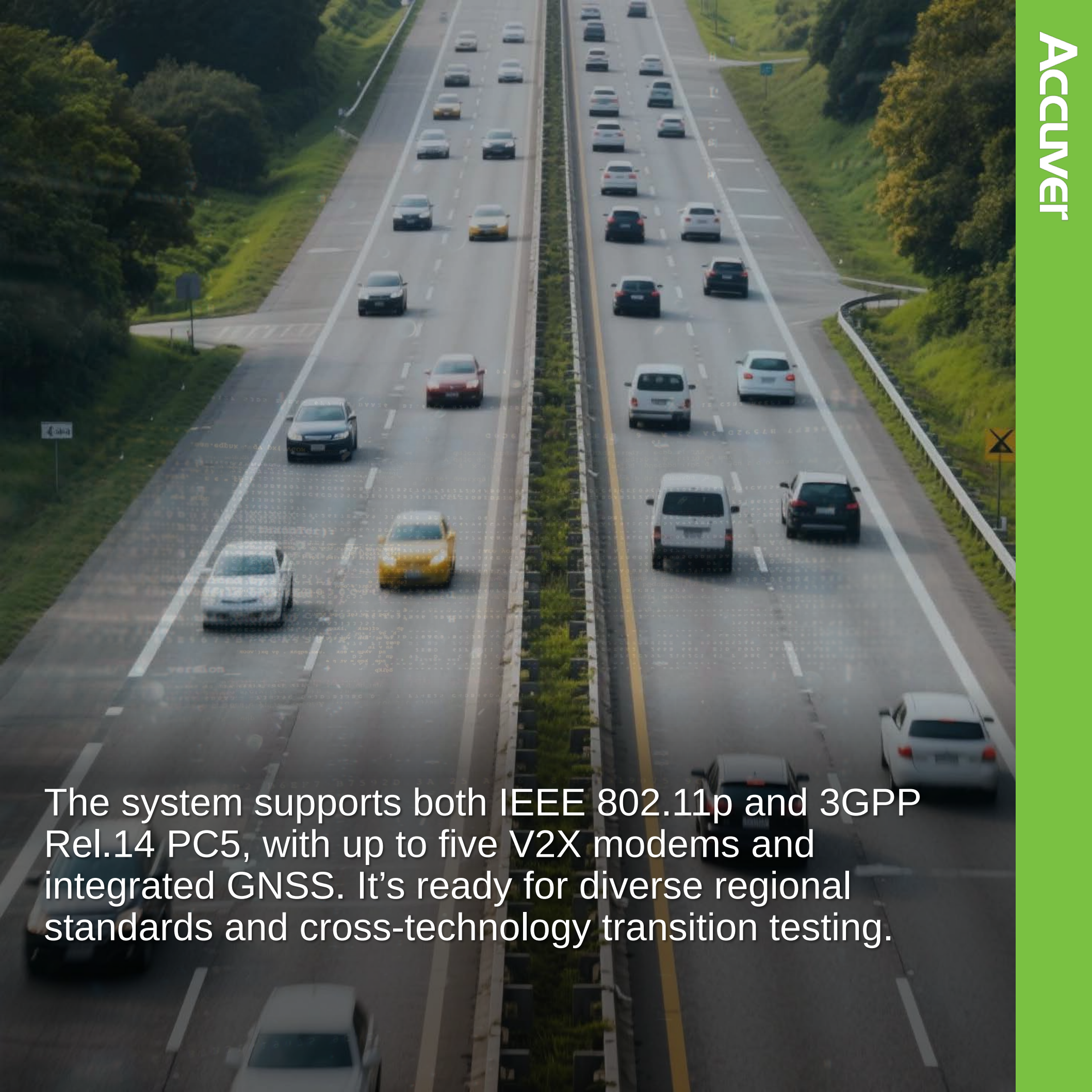
Analysis of channel congestion impact in high-OBU-density scenarios is essential for ensuring robust V2X communication. WCEX-CGTS creates these conditions in the field to validate modem performance before deployment.



Static 200Hz
Dynamic 80Hz



Capable of generating up to 200 static messages per second or 80 dynamic BSMs per second, WCES-CGTS pushes communication stacks to their limits. This allows developers to stress-test congestion control and performance under realistic, high-density traffic conditions.



The system supports both IEEE 802.11p and 3GPP Rel.14 PC5, with up to five V2X modems and integrated GNSS. It's ready for diverse regional standards and cross-technology transition testing.



Evaluate channel congestion impacts, adjacent channel interference, and communication stack load. WCEX-CGTS enables in-depth performance assessment for OBU, RSU, and modem designs.



Compatible with SAE J2945/1 and SAE J3161 conformance standards, and adaptable for KR, EU, US, and CN V2X standards—helping teams ensure readiness for certification.

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For more information

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