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Satellite Channel Emulator XCAT-SPACE



Satellite and Aerospace networks are crucial due to their global coverage, support for critical communications, and role in expanding IoT, defense, and 5G connectivity, making them essential for modern infrastructure and future innovation.



However, testing is challenging due to long transmission delays, Doppler shifts, multipath interference, and atmospheric conditions. High latency, packet loss, interference, and dynamic mobility patterns further complicate the task of ensuring reliable communication.



XCAT-SPACE provides advanced emulation of radio channels, expertly managing delays and Doppler shifts. Designed for GEO/LEO satellite operators and device manufacturers, it offers unmatched precision in testing, aligned with 3GPP NTN standards.

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For more information

sales@accuver.com