

WCEX-DRTS V2X Basic Safety Message conformance test solution

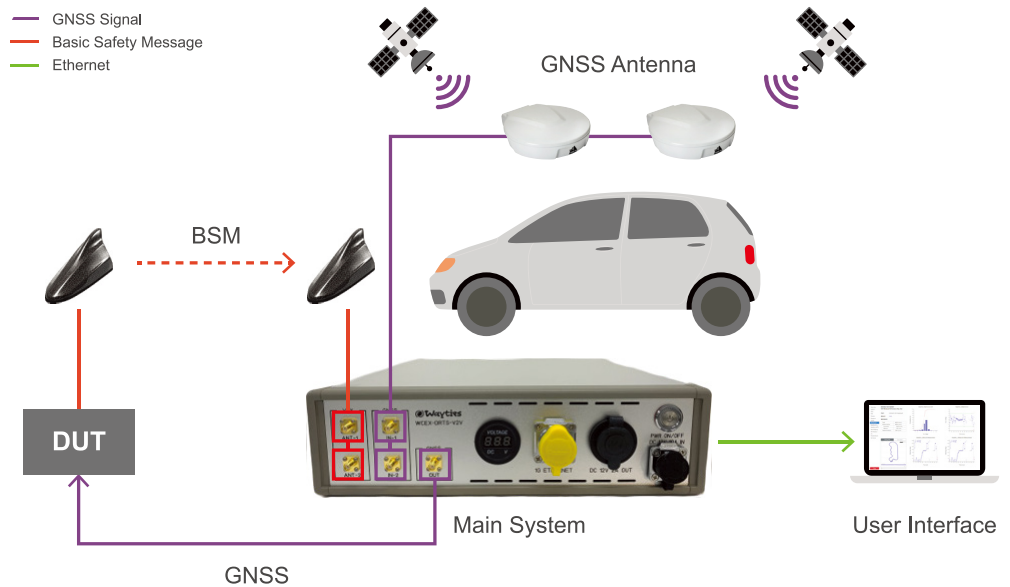
The Driving Test System (WCEX-DRTS) is a conformance testing tool designed to meet the SAE J2945/1 requirements for real-world road testing, specifically for On-Board System Requirements for V2V Safety Communications. This tool uses a V2X packet sniffer equipped with a high-precision GNSS system to analyze the Basic Safety Messages (BSM) received from the Device Under Test (DUT). Upon completion of the test, a detailed and comprehensive report is provided.

Features

- * BSM performance & conformance test solution compliant with SAE J2945/1, J3161/1, J2735
- * Receiving BSM messages sent by V2X OBU in a real vehicle driving environment and assessing message accuracy and conformity to standards
- * USA OmniAir Qualified Test Equipment (Nov. 2023)

Functions

- * Location, Altitude, Direction accuracy
- * Route history and distance (horizontal/vertical distance)
- * Hard braking
- * Renewing certificate
- * Real-time dashboard
- * Automated report generation



Titles		Spec
CPU		Intel Atom x6425E Processor 1.5M Cache, up to 3.00 GHz
Core/Thread		4 core / 4 Thread
Memory		DDR4-3200 16GB
SSD		NVMe SSD 512GB
OS		Ubuntu 22.04
Size		330 x 360 x 90 (W x H x D, mm)
Weight		4.65kg
Ports		GNSS, V2X, Ethernet, Power
DGNSS	Signal	GPS, GLONASS, BEIDOU, QZSS
	Performance	1cm + 1ppm