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Spirent **TTsuite-WAVE-DSRC**

Running WAVE Conformance Tests against V2X Equipment

Benefits

- Ensure the conformance of an implementation or a system based on USDOT test specifications
 - Required for USDOT certification
- Fast and simple test execution and analysis
- Repeatability of tests and full support of test automation
- Platform independence and rapid integration in existing test environments
- Flexibility through usage of the constantly evolving standardized test notation TTCN-3

Reference Platforms

- Java 8
- Microsoft Windows 7/8/10
- Linux (GTK2, x86-32, x86-64)

Features

- USDOT Certification Operating Council (COC) Conformance Test Suite for Wireless Access in Vehicular Environments (WAVE)
- WSM/WSA packet validation
 - Secured/unsecured reception/transmission of WSM/WSA packets
 - Communication using IPv6
- Full test automation via Test Control Interface
- Freely combinable with additional test access (TTplugins)

Target Audience

- Companies supplying or testing WAVE-DSRC ITS technology

Scope of Delivery

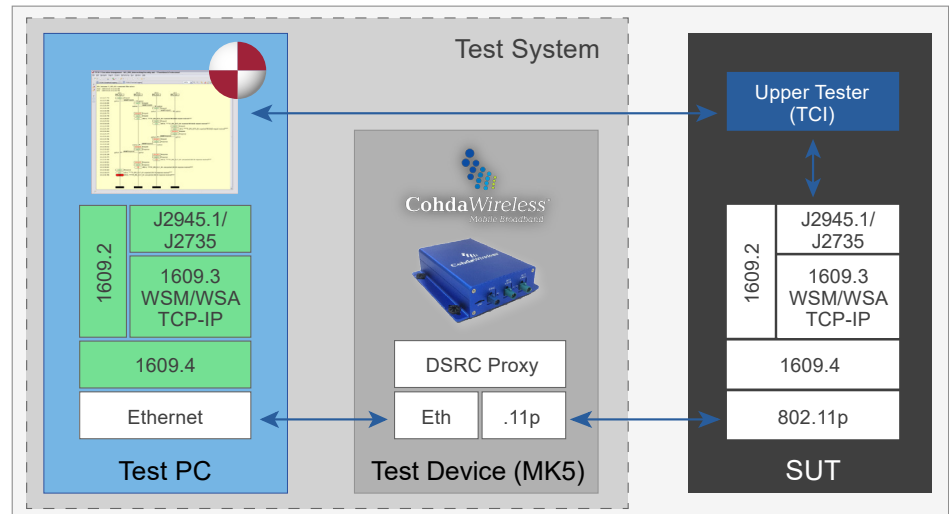
- WAVE-DSRC hardware device as radio proxy

Base Specifications

- SAE J2945.1
 - On-board system requirements for V2V Safety Communications
- SAE J2735
 - Candidate Improvements to Dedicated Short Range Communications (DSRC) Message Set Dictionary [SAE J2735] Using Systems Engineering Methods
- IEEE 1609.2-2016
 - IEEE Standard for Wireless Access in Vehicular Environments
 - Security Services for Applications and Management Messages
- IEEE 1609.3-2016
 - IEEE Standard for Wireless Access in Vehicular Environments
 - Networking Services
- IEEE 1609.4-2016
 - IEEE Standard for Wireless Access in Vehicular Environments (WAVE)
 - Multi-Channel Operation

For more information, visit:
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- **WAVE-16092-TSS&TP** Conformance test specifications for Wireless Access in Vehicular Environments (WAVE)
 - Security Services
 - Test Suite Structure and Test Purposes (TSS & TP)
- **WAVE-16093-TSS&TP** Conformance test specifications for Wireless Access in Vehicular Environments (WAVE)
 - Networking Services
 - Test Suite Structure and Test Purposes (TSS & TP)
- **J2945/1-TSS&TP** Conformance test specifications for SAE J2945/1
 - On-Board System Requirements for V2V Safety Communications
 - Test Suite Structure and Test Purposes (TSS & TP)
- **WAVEMCO-TSS&TP** Conformance test specifications for Wireless Access in Vehicular Environments (WAVE)
 - Multi-Channel Operation
 - Test Suite Structure and Test Purposes (TSS & TP)

Ordering Information	
Part Number	Description
TEC-SUITE-WAVE-DSRC	TTsuite-WAVE-DSRC
TEC-SVC-1015-TS-1Y	TTSUITE SUPPORT AND MAINTENANCE 1YR
TEC-TT-WP	TTWORKBENCH PROFESSIONAL
TEC-SVC-1015-WB-1Y	TTWORKBENCH SUPPORT AND MAINTENANCE 1YR
TEC-HW-MK5-1	Cohda MK5 OBU
TEC-HW-MK5-SVC-1Y	DSRC PROXY HW SUPPORT AND MAINTENANCE MK5 1YR