

5.9 GHz DSRC

FEATURES

- Analysis Test Tool for IEEE 802.11p & 1609
- Uses Windows XP laptop & PC Card with built-in antenna & same chipset in IntelliDriveSM test beds
- Packet Counter, Frame Filtering & Information Parameters
- WSA & WSM Broadcast & Unicast Decoding
- Signed / Unsigned WSA decoding & Certificate viewing
- Signed / Unsigned message acknowledgement
- SAE's J2735 Message Decoding
- Accommodates TCP/IP Protocol Analysis Tools
- Data File Saving & Retrieval
- Printing Capability



5.9 GHz DSRC Packet Sniffer Protocol Analyzer

Independent listening device used to verify transmitted data and protocol for IntelliDriveSM technology & application development

Overview

As an independent single-channel listening device, the 5.9 GHz DSRC Packet Sniffer Protocol Analyzer verifies transmitted data and protocol for VII technology and service/application developments. Recognized as the "Next Generation" technology of the transportation industry, 5.9 GHz Dedicated Short Range Communication (DSRC) offers vehicle-to-vehicle (v-v) and vehicle-to-infrastructure (v-i) communications, traffic congestion pricing, traffic safety, active safety, device inter-operability and certification.

Product Benefits

The 5.9 GHz Dedicated Short Range Communication (DSRC) Packet Sniffer Protocol Analyzer is an independent, low-cost device, running on Windows XP laptop that captures and decodes over-the-air packets. This single channel 10 MHz radio listening device detects units within a short-range of each DSRC unit (RSE/OBE) and monitors either the control or service channel. The 802.11 parameters include the Channel, Data Rate, Packet Length, RSSI, Frame Type, Address Identifiers (Destination/Source), BSSID & Time Stamp, and Services (Broadcast/Unicast/WSA/WSM/UDP).



5.9 GHz DSRC Packet Sniffer Protocol Analyzer



Product Details:

Independent single-channel listening device used to verify transmitted data.

Customized network driver on Windows XP laptop .

Wireless PC Card (Atheros AR5006XS chipset) with built-in antenna

128 bit Encryption license key linked to the MAC address

IEEE 802.11p, IEEE 1609 & SAE J2735 Standards & IntelliDriveSM Requirements Decoding

Uses an SQLite database

DSRC Features:

Frequency Band: 5.850 - 5.925 GHz with seven 10 MHz channels

Single Channel Selection: 172, 174, 176, 178, 180, 182 & 184

Informational Fields: Time Stamp (GMT), Destination/Source, BSSID, A4, Frame Type, SEQ #, Frame Control, RSSI, Data Rate, Length & Reference Number

Frame Decoding: WSIE, WSA, WRA, PSID, SSID, EDCA

Frame Filtering: Management, Control, Data, Action or All

Security Decoding: Signed acknowledgement & decoding of WSA and messages from IEEE 1609.2 Security Library (Security Innovation AerolinkTM) in "Dummy_Dummy" and "Real_Dummy (default)" cryptographic modes. Certificates from WSA can be viewed.

Software includes Security Innovation 1609.2 Security Libraries, which are licensed for export under: 5D002 License Exception ENC CCATS# G065355

SAE J2735 Message Decoding: Tree & XML views

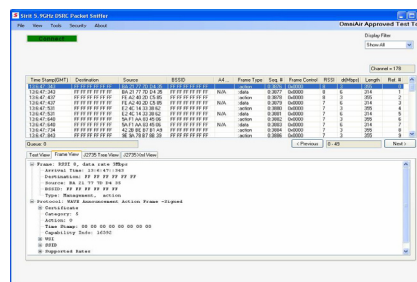
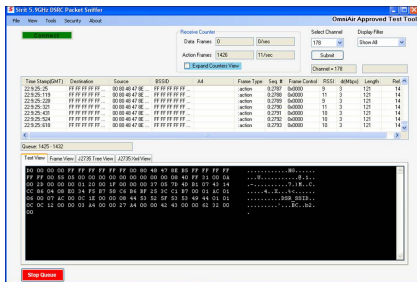
Packet Dump Translation: HEX & ASCII

Data & Action Packet Receiver Counter

Auto Page Scrolling & Tree Expand/Collapse views

Printing, Data File Saving & Retrieval

This product follows commercial encryption export control regulations from United States and Canada. Software includes Security Innovation's 1609.2 Security (5D002 License Exception ENC CCATS# G065355) and SlavaSoft's QuickCrypt 2.51 Libraries.



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About Sirit Inc.

Sirit Inc. (TSX: SI) is a leading provider of Radio Frequency Identification (RFID) reader technology to OEMs and solution providers worldwide. Harnessing the power of Sirit's enabling-RFID technology, customers are able to more rapidly bring high quality RFID solutions to the market with reduced initial engineering costs. Sirit's products are built on more than 16 years of RF domain expertise addressing multiple frequencies (LF/HF/UHF), multiple protocols and are compliant with global standards. Sirit's broad portfolio of products and capabilities are easily customized to address new and traditional RFID market applications including Supply Chain & Logistics, Cashless Payment, Access Control, Automatic Vehicle Identification, Inventory Control & Management, Asset Tracking and Product Authentication. For more information, visit www.sirit.com.



The "RFID by Sirit" symbol signifies that Sirit Inc.'s high quality RFID reader technology resides within this product.

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