

CISCO RAIN RFID Xplorer

One stop solution for testing, sniffing, and debugging



The CISCO RAIN RFID Xplorer is a compact high-precision RFID test equipment. It is used to measure performance of RAIN RFID devices and application setups, verify conformance and support the development of readers, tags and chips.

Performance and Conformance Tests

The CISCO RAIN Xplorer allows various testing modes which includes tag performance, conformance and reader performance, conformance and application testing. The test modes deliver key characteristics of the tag like read range, backscatter range, write range as well as crypto range over frequency, and operating range of the tag. These test systems ensure quality improvement, reliability, and interoperability of RAIN RFID hardware.

Key Features

- Basis frequency range from 800 MHz to 1 GHz
- Extended frequency range from 700 MHz to 1.3 GHz
- Tag and Reader Performance tests
- Tag and Reader Conformance tests
- Sniffer mode to analyze communication between reader and tags

CISCO RAIN RFID Xplorer » Advantages

- Fast and easy to use
- One device - many tag and reader test modes
- Full automation and self-calibration
- GUI and API function for user-defined test sequences
- Supporting RAIN RFID, GS1 EPCglobal, ISO/IEC, IATA, VDA and all Brazil RFID test standards

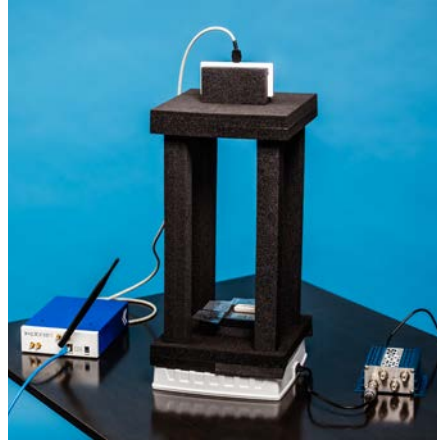


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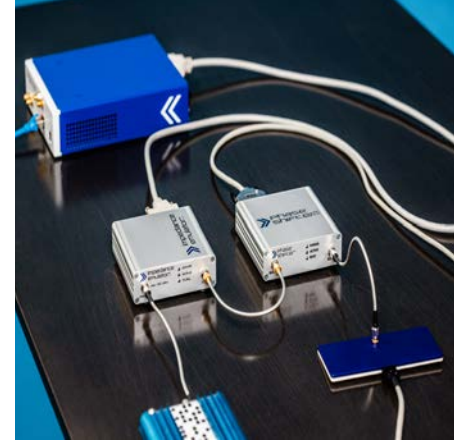
Testing Modes



Tag tester
Tag performance and conformance testing



Application tester
Reader and tag communication analysis



Reader tester
Performance and conformance testing

- Measure the performance of the tag over frequency
- Analyze the performance of the tag in a population
- Support of tagged-item test procedure as defined by IATA, GS1, VDA, and others
- Equipped for monostatic and bi-static setup
- Evaluate the conformance of tags with relevant standards

- Observe and analyze the on-air communication between reader and tags in lab and real-life environment
- Detect and decode reader commands and tag responses in real-time
- Measure the power of the field using the RF sensor module

- Verify the performance parameters, such as sensitivity and compliance testing with fully configurable Tag Emulator
- Detect tag responses for different transmit power levels
- Test readers both with integrated and external antennas
- Ability to measure link timing, physical layer and RFenvelop parameters and compare with relevant standards

About CISC

CISC Semiconductor is adding trust in a connected world by providing hardware and software solutions that enhance quality, security, privacy, performance, interoperability, and conformance in communication systems for markets like Automotive, Identification, Semiconductor, and Wireless Communication. CISC is a leading standardization consultant and an active member of the AIM Germany and North America, emi3, ETSI, IEC, ISO, NFC Forum, RAIN Alliance, and ARTEMIS Industry Association. CISC is headquartered in Klagenfurt, Austria, with subsidiaries in Graz and Mountain View (CA), USA.

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