

ASA Motion Link Electrical Test Solution



Key Features

- Supports a comprehensive range of compliance tests for ASA Motion Link
- Single tree view - for all settings, test selections, and pass/fail test results
- Quick access to connection diagrams - always accessible in test tree
- Results database - Analyze, filter, and review results before creating a report
- Easily retest or remove tests from database
- Save results table to a .csv for additional analysis
- Report Generation in PDF, HTML, XML
- Session Manager for managing multiple projects
- Take your 'test session' offline with QPHY2-PC to free up your oscilloscope for other testing

The Automotive SerDes Alliance (ASA) is a non-profit industry alliance of automotive technology providers committed to the standardization of asymmetric SerDes technology. ASA Motion Link defines an asymmetric SerDes communication technology for in-vehicle connectivity with line speeds from 2 Gbit/s to 16 Gbit/s and is ideal for the transmission of data from cameras, displays and ADAS systems.

Automated ASA Motion Link Compliance Testing

QPHY2-ASA automates the testing and validation of ASA Motion Link based on the latest Compliance Test Suite for ASA Motion Link Transceiver PMA Electrical Test. QPHY2-ASA is based on QualiPHY 2 and reduces the time and effort needed to perform compliance, validation, and testing on ASA Motion Link.

Validation and Compliance in a Fraction of the Time

The QualiPHY 2 test framework products provide the most intuitive and efficient test framework available for performing serial data compliance testing and allow users to perform time consuming analysis tasks offline (outside of the lab) and free the oscilloscope for other uses.

SPECIFICATIONS AND ORDERING INFORMATION

Compliance Test Coverage

Compliance Test Suite for PMA Electrical Test	Test Case	Oscilloscope	VNA/ TDR
Transmitter Linearity	ASA_TPMA_TX_01	✓	
Transmitter Droop	ASA_TPMA_TX_02	✓	
Transmitter Power Spectral Density & Power Level	ASA_TPMA_TX_03	✓	
Transmitter Clock Stability	ASA_TPMA_TX_04	✓	
Transmitter Disabled	ASA_TPMA_TX_05	✓	
Transmitter Clock Precision	ASA_TPMA_TX_06	✓	
Transmitter Peak Output	Informational only	✓	
MDI Return Loss (Import of S-Parameter and overlay with test limits)			✓

Ordering Information

Product Description

QualiPHY2 Enabled Automotive SerDes Motion Link Software Option

Product Code

QPHY2-ASA

Recommended Oscilloscopes

For Speed Grade 1

4 GHz, 4 Ch, 12 bits, 20 GS/s, 100 Mpts/Ch High Definition Oscilloscope

WavePro 404HD

For Speed Grade 2

8 GHz, 4 Ch, 12 bits, 20 GS/s, 100 Mpts/Ch High Definition Oscilloscope

WavePro 804HD

For Speed Grade 3 & 5

16 GHz, 4 Ch, 12 bits, 80 GS/s, 200 Mpts/Ch High Definition Oscilloscope

WaveMaster 8160HD

For Speed Grade 4

13 GHz, 4 Ch, 12 bits, 80 GS/s, 200 Mpts/Ch High Definition Oscilloscope

WaveMaster 8130HD

Recommended Equipment for all Speed Grades:

High-speed Interconnect Analyzer, 4-port, S-par @40 GHz, <1 mm Res., 4 phase matched cables

WavePulser40iX

Customer Service

Teledyne LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year. This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge



1-800-5-LeCroy
teledynelecroy.com

Local sales offices are located throughout the world.
Visit our website to find the most convenient location.