



release

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AIM for MIL-STD-1553 Waveform Validation

Avionics databus test specialists AIM have introduced a complete automated test package for the validation of the MIL-STD-1553 electrical waveform parameters in accordance with the industry standard 'SAE AS4112' RT (Remote Terminal) Production Test Plan. Designed specifically for developers of MIL-STD-1553 Remote Terminals, this complete test package offers a very cost effective and easy way to automate and validate avionics boxes or other equipments utilising the venerable MIL-STD-1553 databus interface.

This software package is based on AIM's latest Hardware design, **APX1553-DS-1/ 2**, MIL-STD-1553, PCI/ PCI-X test & simulation card which uniquely has an integrated Digital Scope function, commercially known as the **'MILScope™'**. The on board analogue to digital converter (ADC) digitises the MIL-STD-1553 waveform (100M samples for one channel or 50M samples on two channels) for real time measurement, storage and display in conjunction with AIM's latest **PBA.pro™** Databus Analyser and Analysis Software for Windows or Linux.

The **PBA.pro-SCR-PTP-E** software package for the **PBA.pro™** is available now and comprises a set of test scripts and a user panel,

which fully automate the necessary 'Electrical Test' requirements defined in the AS4112 Test Plan for the electrical measurement and analysis of the MIL-STD-1553 waveform including the amplitude, rise/ fall times, zero crossing stability, waveform symmetry, overshoot, undershoot and pulse width. The dedicated Test Panel has been created via the **PBA.pro™**, Designer Component and the **PBA.pro-SCR-PTP-E** scripts are executed and managed by the **PBA.pro™** Test & Script Manager component. A complete test report is also generated and can

be customised to fully document the equipment under test and the Pass/ Failed results for configuration control/ management and traceability.

Later this year AIM will introduce another dedicated **PBA.pro™** software package, known as **'PBA.pro-SCR-PTP-P'** which fully automates the 'Protocol Tests' defined in the SAE AS4112 RT Production Test Plan. In this case any standard AIM MIL-STD-1553 card can be used for the 'SAE AS4112' RT Production Test Plan protocol tests.

AIM has offices in the USA and the UK with the main design and manufacturing facilities based in Freiburg, Germany. Our full service technical web site offers a powerful Download Area providing online product updates and a full documentation service. AIM markets and supports its products through authorised Representatives worldwide. For more information please visit AIM's web site: www.AIM-ONLINE.com



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