

Viasat is pleased to introduce AIMS certified certification tools for the AIMS 1101 Transponder certification tests, AIMS 1201 Interrogator certification tests, and AIMS 1301 Passive Receiver certification tests. These advancements enhance **timeliness**, **efficiency**, **accuracy**, and **reliability** in assessing the functionality, interoperability, and compliance of Mark XIIB Systems.

VRG-1000 AIMS Certification Tools

1101 Transponder Certification Tool: Supports the challenging AIMS 1101 Automatic Overload Control (AOC) tests.

- » Significantly reduce testing time. Full AIMS 1101 Automatic Overload Control (AOC) tests complete within 1 hour with a single VRG-1000SD, not weeks.
- » Supports sections 2-5 of the AMS 1101; Sensitivity, Suppression, Pulse Decoder Characteristics, Intermode Reply, Receiver Characteristics and Data Content, Mode 5 Recovery, and more.
- » Supported AIMS 1101 tests complete in less than 1 day.



1201 Interrogator Certification Tool: Focuses on the new Mode S Density tests recently added to the AIMS 1201.

- » Support of complex Mode S scenarios from sections 3, 5, and 7 of the AIMS 1201.
- » Supports testing of Receiver Characteristics, Reply Decoding, Mode S Controls, Range Determination, Duplicate NO/PIN, Interrogation Repetition Rate, All-Call Acquisition, Roll Call, and more.
- » Supported AIMS 1201 tests complete within 3 days.

1301 Passive Receiver Certification Tool:

- » Supports sections 4-14 of the AIMS 1301; Receive Decode and Process, Target Capacity, Exceeding Target Capacity, Maximum Operational Range, Minimum Decode Level, Target Reporting, Duplicate AA and NO/PIN, and more.
- » Supported AIMS 1301 tests complete within 2 days.

Tool Advancements

The VRG Certification Tools offer several advantages over other test tools:

- » **Time Savings:** Significantly reduce testing time (completed in days, not weeks or months).
- » **Accuracy and Consistency:** Ensure precise and consistent results.
- » **Regression Testing:** Perform thorough regression testing faster, catching issues sooner.
- » **Resource Optimization:** Optimize resource utilization by reducing manual intervention.
- » **Remote Testing:** Enable remote testing capabilities, enhancing flexibility.
- » **Precise Data Analysis:** Facilitate deeper insights into equipment performance over time.
- » **Regulatory Compliance:** Ensure compliance with industry standards and regulations. All tools are AIMS certified.

Viasat's certification tools underscores our commitment to innovation and customer satisfaction, ensuring the highest standards of quality and reliability in our products.

For further inquiries, please contact us at rf.environment@viasat.com. Thank you for your continued partnership.

