

New R&S ZN-Z32/33 vector network analyzer calibration solution for TVAC and multiport production testing

Rohde & Schwarz presents new vector network analyzer calibration equipment: the R&S ZN-Z32 and R&S ZN-Z33 inline calibration units. These calibration units are ideal for satellite component testing in thermal vacuum chambers (TVAC) and for multiport component testing on production lines.

Munich, October 12, 2017 – Unlike conventional automatic network analyzer calibration units, the new R&S ZN-Z32/33 inline calibration units from Rohde & Schwarz are permanently connected to the test setup. This makes them an ideal solution for test setups that require frequent recalibration, especially where the test setup is inaccessible.

Easy calibration of DUT under vacuum conditions

The new inline calibration units are the only solution available for testing in TVAC chambers where it is not possible to access the test set under vacuum conditions. After a basic calibration, carried out under ambient environmental conditions, the test set components are brought inside the TVAC before the vacuum is applied and testing starts. Once the vacuum is applied, recalibration is required after every temperature change due to thermal drift effects. With the calibration units in place and linked by a CAN bus, this recalibration can be easily performed.

Efficient multiport calibration for production tests

For multiport applications that are typical in production testing, accuracy and reproducibility suffer due to limited phase stability when cables are moved. Repeated calibration with conventional equipment involves extra effort and wastes test time. In contrast, the R&S ZN-Z32/33 units allow calibration of a high number of test ports via a single keystroke in the control software tool, cutting recalibration time down to seconds. Users benefit from dramatically increased efficiency on the production line.

The R&S ZN-Z32 covers the frequency range from 10 MHz to 8.5 GHz and can be used in ambient conditions from +5 °C to +40 °C. The R&S ZN-Z33 covers the 10 MHz to 40 GHz range in ambient conditions from +5 °C to +40 °C or in TVAC conditions from –30 °C to

+80 °C. The calibration units are controlled by an R&S ZN-Z30 CAN bus controller, which supports up to 48 units. With multiple controllers, a virtually unlimited number of inline calibration units, and therefore test ports, are supported. The R&S ZN-Z3ASW application software guides the operator through the system configuration and the calibration process.

The new R&S ZV-Z32/-Z33 inline calibration units, R&S ZN-Z30 CAN bus controller and R&S ZN-Z3ASW software are now available from Rohde & Schwarz and can be used with every R&S ZNB(T), R&S ZVA and R&S ZVT vector network analyzer.

Press contacts:

Europe (headquarters): Christian Mokry, Phone: +49 89 4129 13052, E-mail: press@rohde-schwarz.com

North America: Pam Sanders, Phone: +1 410 910 7908, E-mail: pam.sanders@rsa.rohde-schwarz.com

Asia Pacific: Wen Shi Tong, Phone: +65 6 307-0029, E-mail: press.apac@rohde-schwarz.com

Contacts for readers:

Customer Support Europe, Africa, Middle East: +49 89 4129 12345
customersupport@rohde-schwarz.com

Customer Support North America: +1 888 TEST RSA (+1 888 837 87 72)
customer.support@rsa.rohde-schwarz.com

Customer Support Latin America: +1 410 910 79 88
customersupport.la@rohde-schwarz.com

Customer Support Asia Pacific: +65 65 13 04 88
customersupport.asia@rohde-schwarz.com

Customer Support China: +86 800 810 8228 or +86 400 650 5896
customersupport.china@rohde-schwarz.com

Rohde & Schwarz

The Rohde & Schwarz electronics group offers innovative solutions in all fields of wireless communications as well as in IT security. Founded more than 80 years ago, the independent company has an extensive sales and service network with subsidiaries and representatives in more than 70 countries. On June 30, 2016, Rohde & Schwarz had approximately 10,000 employees. The group achieved a net revenue of approximately EUR 1.92 billion in the 2015/2016 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.

R&S ® is a registered trademark of Rohde & Schwarz GmbH & Co. KG.

All press releases, including photos for downloading, are available on the Internet at <http://www.press.rohde-schwarz.com>.