The new benchmark for efficiency in the field

The R&S®ZVH cable and antenna analyzer

distrame
instruments de mesures électroniques

ROHDE&SCHWARZ

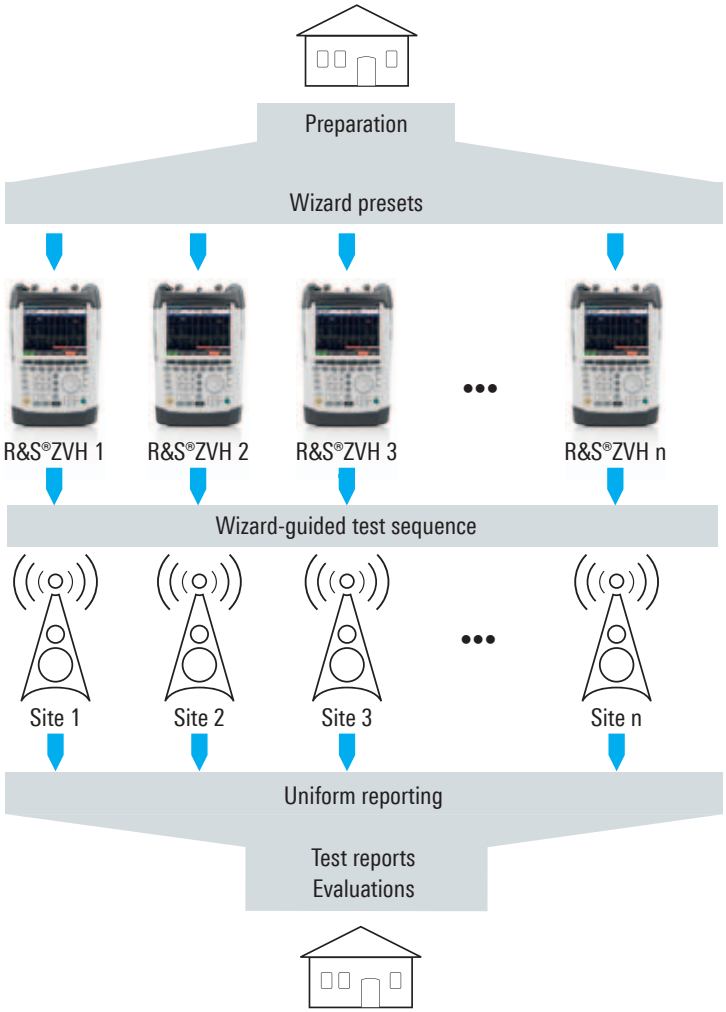
Many antenna sites to set up, a tight schedule, not enough personnel, strict specifications. How can this be accomplished?

First and foremost by using efficient tools.

Every minute spent at an antenna mast counts, because the next site is waiting. Therefore, each step must be correct, and the tools should function the way they are meant to: to make work faster and easier. This especially applies to the required RF test equipment, because the technicians are usually mechanics, not T&M specialists, and they want to fully concentrate on the task of installing antennas in all positions, at all heights. The R&S®ZVH was developed to help them do their job. The R&S®ZVH simplifies all cable and antenna measurements by automating, standardizing and optimizing on-site test sequences. For instance, it separates measurement preparation and postprocessing from the actual measurements, so that the instrument's administrative tasks can be performed centrally. The R&S®ZVH is designed for efficiency throughout — in terms of handling, measurement speed and flexibility. Just what you would expect from a professional tool.

The R&S®ZVH ideally supports workflows — before, during and after measuring.

Typical deployment setup with measurement preparations and postprocessing



Test sequences can be predefined on a central PC and transferred to all R&S®ZVH analyzers that will be used on a project. On-site, the R&S®ZVH wizard guides the user step-by-step through the predefined test sequence. All measurement results are stored in a single file which can easily and centrally be converted to a uniform, well-structured test report using the R&S®ZVHView software.

A variety of measurement tasks, complicated settings, numerous operating steps. How can this be simplified? By automating the procedure.

On-site technicians should always be productive and not held up by time-consuming measurement preparations nor have to deal with complicated operating sequences. This is why the R&S®ZVH comes with automated test sequence control in the form of a wizard. The complete test sequence for checking an antenna system can be predefined on a PC using the R&S®ZVHView software and transferred to all R&S®ZVH analyzers that are in use. When on-site, the user simply starts the wizard and is guided through the test sequence with customizable, predefined operating instructions. The R&S®ZVH is correctly configured for each test step so that the user only has to follow the instructions. The advantages are obvious: Nothing is left out, no mistakes are made, and all teams perform the same measurements everywhere. The rest is just as easy: The keystroke that closes the wizard sequence saves all the test results to a file. This file can be sent via LAN, USB, memory card or e-mail (e.g. from a notebook with a wireless interface) to a (central) computer where a standardized, well-structured, and therefore easy-to-compare test report can be generated in just a few simple steps.

The R&S®ZVH wizard makes RF measurements in the field easier than ever before.

Application-specific configuration

The base unit is available in two models (up to 3.6 GHz or 8 GHz). It is capable of performing all measurements required when installing and maintaining antenna system: loss, matching and distance-to-fault.

Other functions can be easily added through software enabling or accessories – with no need for servicing: spectrum analysis, network analysis, power measurement, vector voltmeter functionality, GPS reception, remote control.

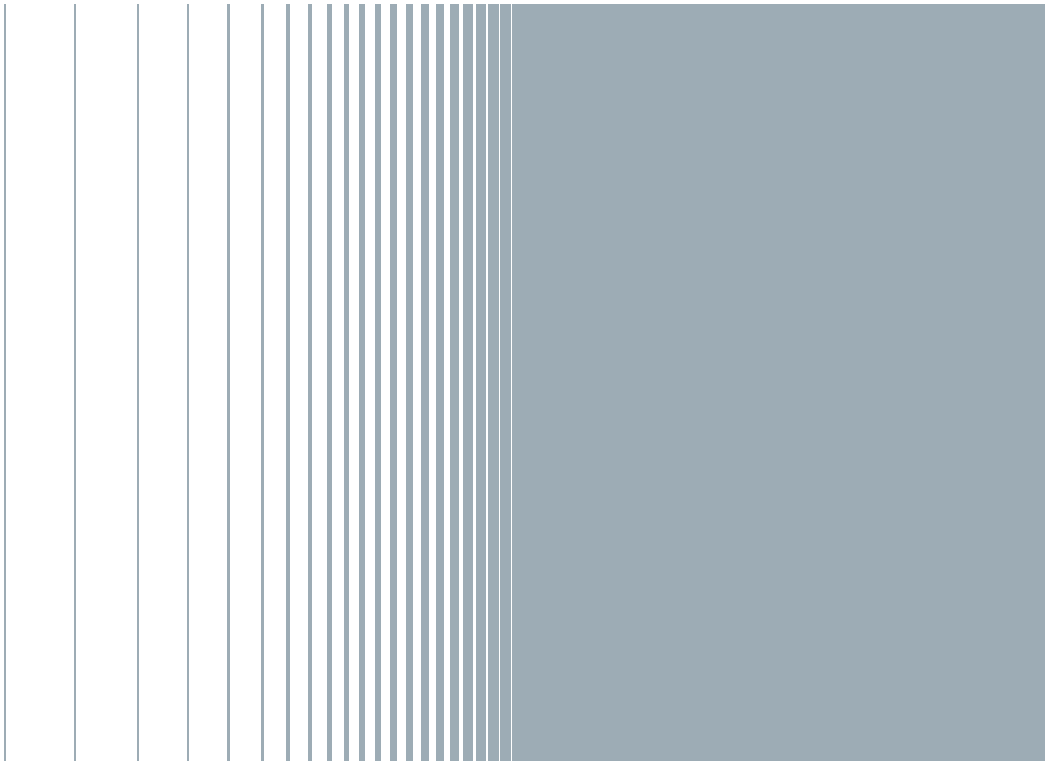
The R&S®ZVHView software with the wizard and report generator tool is included as standard. It is primarily used to centrally prepare measurements and postprocess results.

Tight budget, but T&M equipment still needs to be of high quality, reliable and future-ready. What is the answer?

The R&S®ZVH modular system.

The R&S®ZVH continues the success story of one of the world's most renowned families of handheld RF T&M instruments whose quality even convinced NASA — one of these instruments was used to measure the antenna system of the International Space Station (ISS). The R&S®ZVH has been tailored to the requirements of antenna system installation, and the base unit provides all necessary functions. Additional requirements, such as spectrum analysis and power measurements, are covered by options. This handy instrument features extremely low weight, ergonomic housing, an ergonomic keyboard that can be operated even when wearing gloves, an easy-to-replace battery, a display that can be read under all conditions and practical details like the carrying handle. The R&S®ZVH is fully prepared for rough field use with robust, splash-proof housing. Its measurement capabilities are just as convincing. In addition to its excellent specifications in all RF disciplines, the R&S®ZVH is the only instrument in its class with a dynamic range of more than the 90 dB required for repeater measurements. Choosing the R&S®ZVH means making no compromises. That's what Rohde&Schwarz stands for.

The R&S®ZVH masters all antenna-related measurement tasks. And even more, if need be.



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PD.5214.5303.62 (V 01.00)