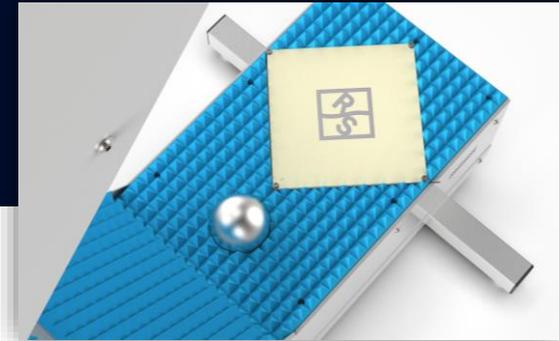
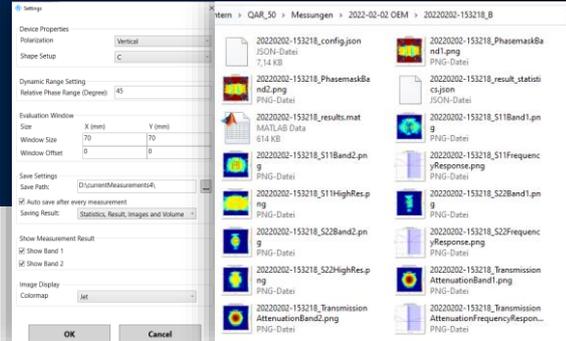
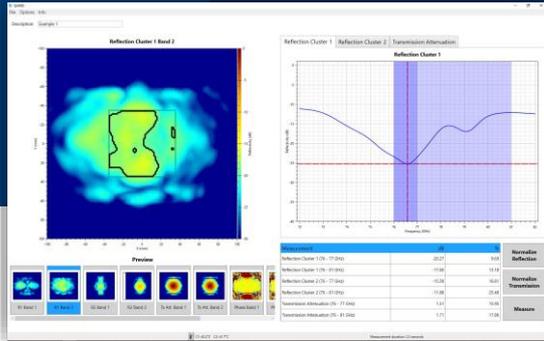




R&S®QAR50: INNOVATIVE USER EXPERIENCE

Advanced usability, documentation and internal calibration



Connectivity: remote webserver access, anywhere, anytime

The R&S®QAR50 quality automotive radome tester can connect directly to a PC. The LAN interface enables remote control. The webserver function allows you to control the R&S®QAR50 and display your screen content to an audience all over the world with the built-in USB host and USB device ports. The USB host can transfer screenshots and instrument settings to a USB stick.

Documentation at the press of a button

Document measurements quickly and automatically:

- ▶ Save screenshots of measurements and results
- ▶ Easily read signal characteristics thanks to clear annotations
- ▶ Color-coded labels highlight diagram anomalies
- ▶ Save statistics, results, images and volumes in png, json, or mat formats for in-depth signal analysis on a PC.

Calibrate the R&S®QAR50 on site with integrated calibration hardware

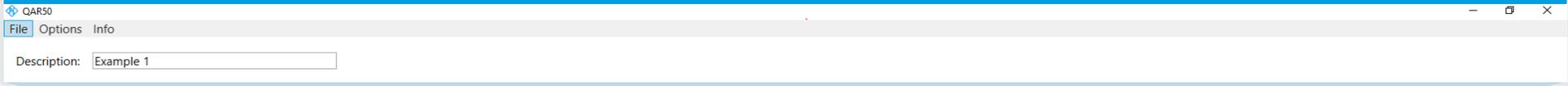
Robust, reliable results and adequate performance within set T&M equipment limits require regular calibration. The R&S®QAR50 has built-in spherical reflectors for instant calibration and it can even remain in place on the production line for fast and feasible calibration, even without any previous RF expertise.

Clear benefits	Intuitive features
Speed up your testing	The streamlined R&S®QAR50 Quality Automotive Radome tester user interface supports intuitive workflows and adjustments are always just one click away
Flexible DUT positioning	The microwave imaging technology with an electronic focus allows more flexible measurement antenna positioning, making space for your DUT
Focus on analysis	All results are displayed on one screen without having to switch between different layers of menu items. The focus is on your measurement results
In depth offline analysis	Store your results automatically and perform offline in-depth analyses with MATLAB
Calibrate your device in production lines	The R&S®QAR50 can instantly be calibrated while remaining in place. This makes calibration procedures fast and feasible even without RF expertise

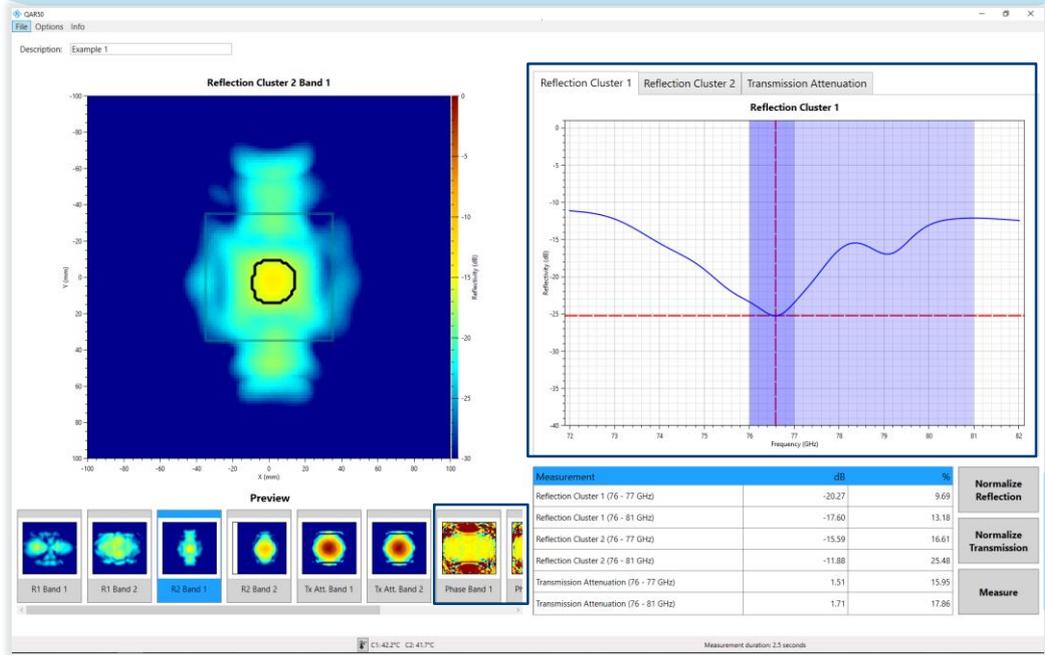
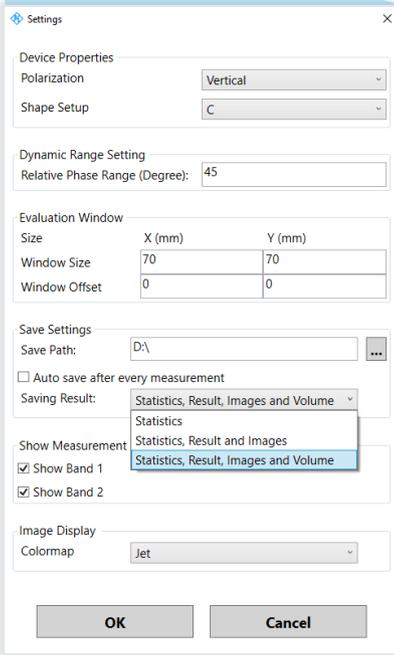


For more information, visit
www.rohde-schwarz.com/product/QAR50

Menu bar and measurement description

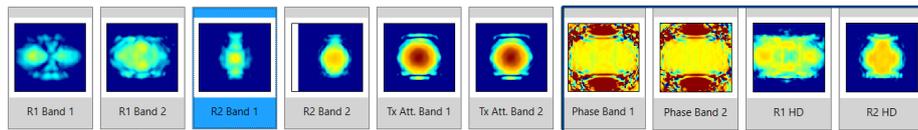


The menu bar contains various functions for configuring the R&S®QAR50 and measurements. Here, you can open and save files and adjust your R&S®QAR50 settings, directly set most important parameters in a simple overlay menu, including a C or U position, relative phase range or evaluation window size. The measurement description defines the name of the scenario and the text and stores it together with the measurement results.



The result diagram shows the DUT frequency response. The results are displayed as a line trace for typical radar bands. The diagram is available for both reflection and transmission measurements.

- Measurements usually have three steps, including normalization and the actual measurement.
1. Normalization for reflection with the specified plates
 2. Normalization for transmission with open space
 3. Measurement with DUT placed between the clusters



The measurement preview shows a preview image of the measurements for the DUT. It can display up to 10 images including reflection attenuation and transmission, transmission phase and reflection measurements for bands 1+2

Numerical results:

Presents the measured DUT characteristics in a table

Measurement duration:

Shows the time needed for measurement

Cluster temperature:

Shows the cluster temperature

= software option available