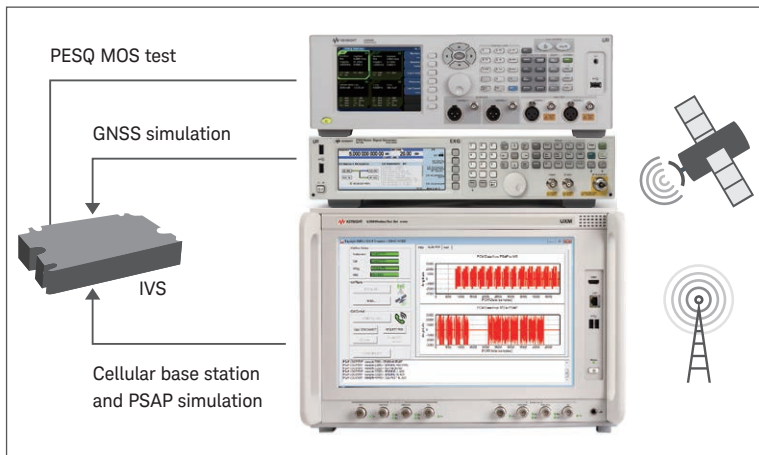


[Connected Car] Performance evaluation and conformance test of eCall / ERA-GLONASS in-vehicle device



eCall / ERA-GLONASS test environment using E7515A or E5515C wireless test set

- Want a low-cost test environment?
- Want optional functions and performance evaluation in addition to basic performance verification?
- Want a reliable test environment?
- We can support you!

Can be built right away with your own equipment

The top-notch E5515C wireless test set used by thousands of engineers worldwide can be used to simulate cellular communications for eCall / ERA-GLONASS tests. Also, the signal source of basic measuring instruments is available for GNSS signal simulation. Now you can create a reusable test environment with high ROIC by leveraging existing assets and basic measuring instruments, instead of having to buy eCall-dedicated measuring instruments.



Private eCall, voice quality check

Keysight's PSAP software supports not only the conformance testing and basic function checking of eCall / ERA-GLONASS, but the function verification of private eCall provided independently by vehicle manufacturers. You can add the U8903B audio analyzer to analyze the PESQ MOS voice.

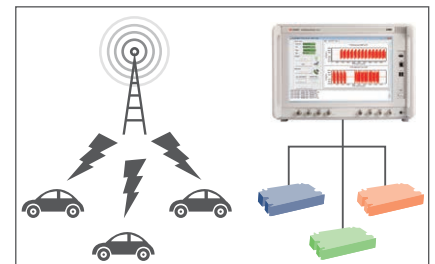


An automatic execution environment for test cases is also available. Besides giving you excellent ROIC, it also provides high efficiency to meet your test challenges.

Verifying and securing interoperability with eCall Testfest etc.

In-vehicle devices are developed by many different companies, hence it is very important to ensure interoperability with the communication system, which is also developed and operated by multiple companies.

Keysight participates in various organizational platforms for interoperability verification hosted by the industry, aiming to create a more reliable and universal test environment based on a large amount of feedback from market players.





Support for automatic testing

Combine the test environment with Keysight standard test sequencer software, TAP, to automate performance evaluation, including voice testing.



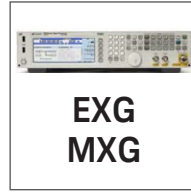
More detailed analysis

The PSAP software also allows position display using the decoded MSD (minimum set of data). Combine it with the drive test results to perform more detailed error analysis.



Compatible with private eCall

The test environment also supports the evaluation of third-party service (TPS) and private eCall. Build a test environment according to local / end-user requirements.



Simulating various GNSS signals

Use EXG or MXG vector signal source, the basic instrument, to simulate both the static and dynamic GNSS signals. You can also combine other companies' GNSS simulators.



Built-in PSAP

No need for external PC

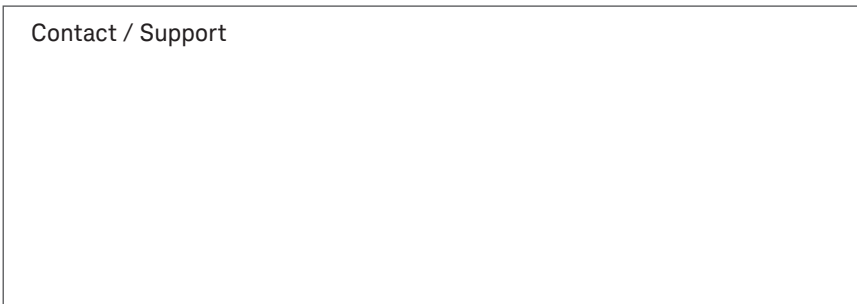
Use the E7515A UXM wireless test set to run the PSAP software internally. It helps save space in your test environment.

Typical Configuration

Model Number	Description
E7515A	UXM wireless test set
E5515C	Wireless test set
E6951A	PSAP emulator software
E5172B	EXG vector signal source
U8903B	Audio analyzer

Related Documents

5992-1823EN	E6950A eCall / ERA-GLONASS Conformance Test Solution - Brochure
5992-1726EN	E6950A eCall / ERA-GLONASS Conformance Test Solution - Configuration Guide
5992-2262EN	E6950A eCall / ERA-GLONASS Conformance Test Solution - Application Note
E6951A	PSAP installation guide



For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus



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© Keysight Technologies, 2017
Published in Japan, January 16, 2017
5992-2101ENN
0000-00DEP
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