

Keysight Technologies

RF power measurement solutions for 920 MHz wireless modules (smart meters)

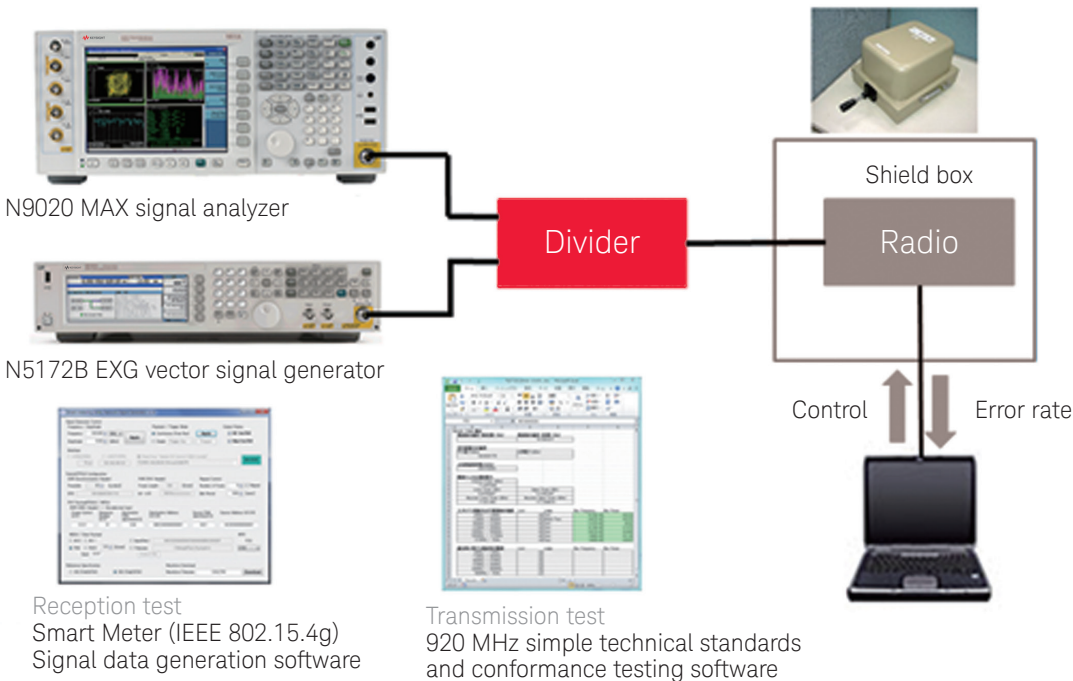
- Transmission test in compliance with the Radio Law (technical standards and conformance test)
- Reception test
- Total solutions delivered, R&D through manufacturing

To our customers

920 MHz low-power wireless modules including smart meters are entering a phase of full-fledged development in a bid to realize a smart grid/smart utility networked environment for an energy-saving society.

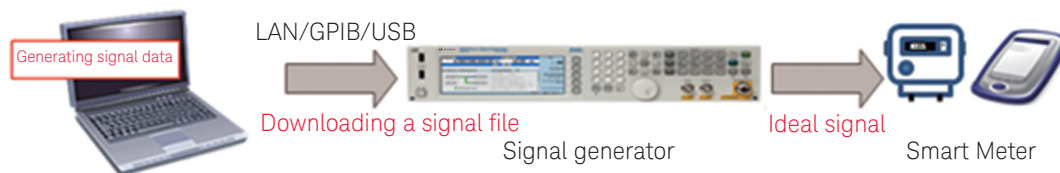
Keysight Technologies, Inc delivers the total solution, the initial stage of development through manufacturing, for many companies and industries, including the Telecom Engineering Center.

Standard system for transmission and reception testing for smart meter wireless modules (R&D through manufacturing)



Reception test: Smart Meter (IEEE 802.15.4g) signal data generation software

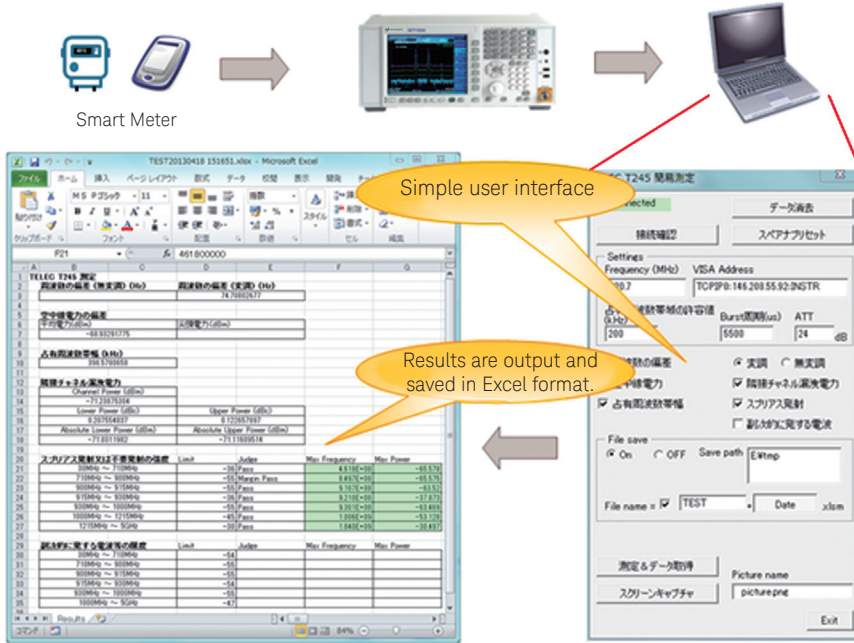
This software is capable of easy signal data generation for the 920 MHz wavelength receiver. Sensitivity testing is compliant with IEEE802.15.4g allowing stress-free reception test using standard signals from the signal generator.



Transmission test: 920MHz technical standards and conformance simple testing software (free) best suited for pre-conformance test

Keysight's ARIB STD-T108-defined system, which complies with the measurement method of 920 MHz telemeters, telecontrol systems and data transmission radio equipment", which have been adopted by Telecom Engineering Center.

Free simplified EXCEL VBA macro software is available for measurement with only a spectrum analyzer.* It is best suited for pre-conformance test, allowing automatic measurement.



Results are output and saved in Excel format.

Simple user interface.

Configuration Guide

Product number	Product name
N5172B #503, #653, #1A7	EXG vector signal generator (9 kHz to 3 GHz)
N9020A #508, #PFR, #DP2, #P08, #CRP, #KYB	MXA signal analyzer
PS-X30 W10116A	Smart Meter (IEEE 802.15.4g) signal data generation software
PS-X30 W10118A	920 MHz technical standards and conformance simple testing software
	Shield box
	Divider
	RF cable

Approximate prices set as of August 2013 are subject to change. Contact Keysight Technologies for details.

* The VBA software uses Microsoft Excel. Microsoft Excel 2007/2010 is required for software operation.



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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