Anritsu

MS2690A/MS2830A series
Signal Analyzer

Supports Efficient Design of Communication Systems !

Integration between the MS2690A/MS2691A/MS2692A or MS2830A Signal Analyzer and the AWR Visual System Simulator™ Simulation Software supports efficient design of communication systems.

This revolutionary solution also supports faster product time-to-market (TTM), helping beat competitors and cutting costs.

■ Simple Integration of Signal Analyzer/Vector Signal Generator and Simulation Environment

The system supports easy design in cooperation with test and simulation processes using a signal analyzer/vector signal generator.

The simulation signals are output for evaluation as from a vector signal generator. The actually tested DUT output signal is captured by the MS269xA/MS2830A digitizer. This digitized data is fed-back for verifying the simulation design cycle.

Linked control of the MS269xA/MS2830A Signal Analyzer is made easy via the Ethernet interface using Visual System Simulator™.

■ Streamlines RF Architecture/Component Optimization and Design

Using simulation based on actual measurement data reduces the amount of design and prototyping work, cutting R&D time and costs. Moreover, it can help match performance to requirements, preventing over-specification waste and cutting product costs.
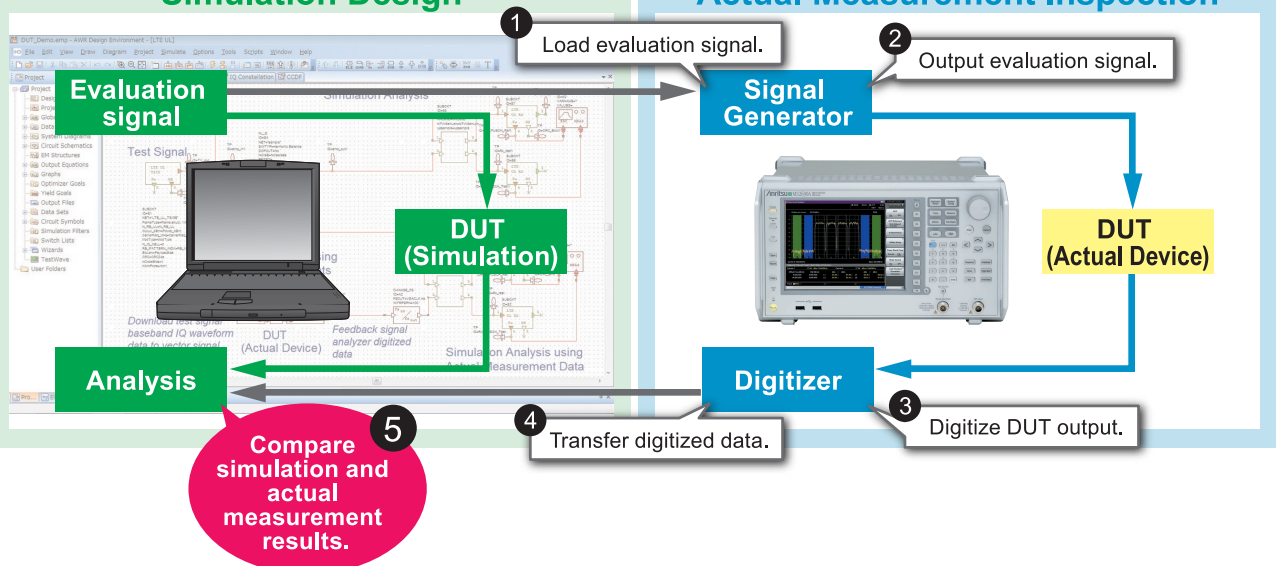
Example of Integrated Design for Measurement and Simulation
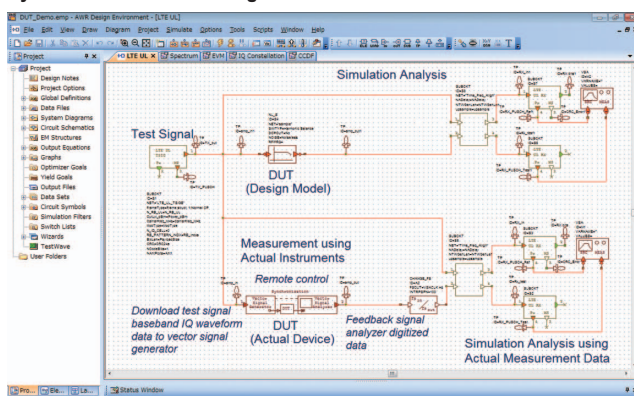
Visual System Simulator™
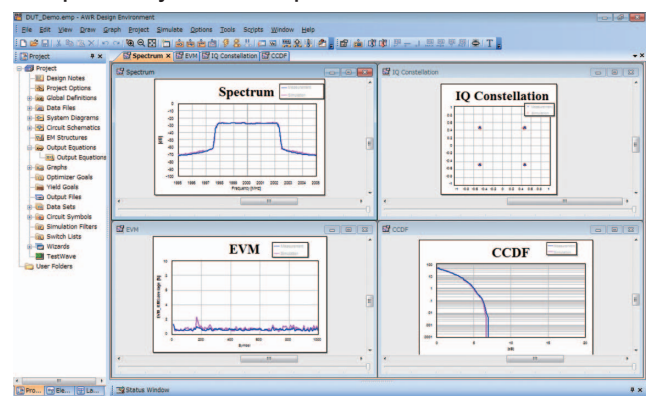
Signal Analyzer + Vector Signal Generator option

System simulator tool using a block-element GUI

Example of Analysis Result Graphs

MS2690A series

**High-end
Spectrum Analyzer Model
with Precision Total Level Accuracy
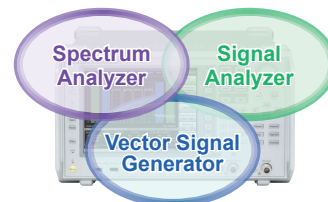and Dynamic Range**

MS2830A series

**High-speed,
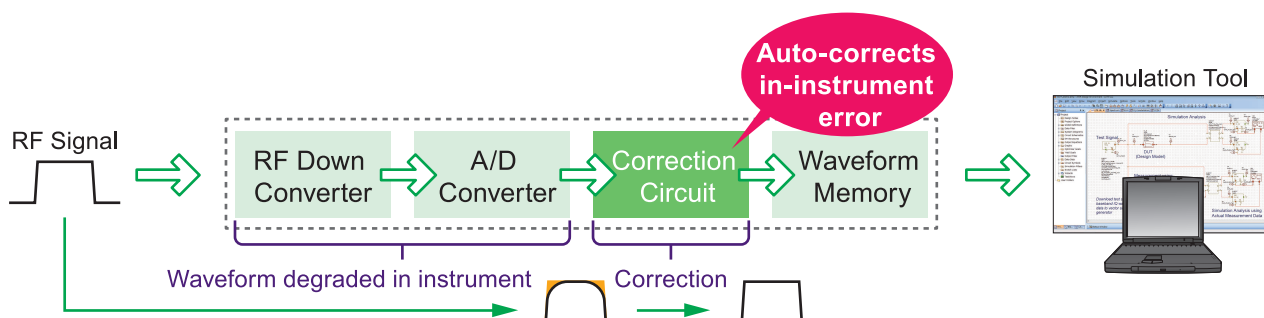High-performance,
Low-cost Spectrum Analyzer**

■ Three-in-one Unit

The FFT-based signal analyzer plus sweep-type spectrum analyzer support multifunction analysis in both the time and frequency domains, while the built-in signal generator outputs both modulated and unmodulated signals. As a result, the three-in-one unit supports an environment using TRx simulation to verify actual measurement data.

Spectrum Analyzer

Signal Analyzer

Vector Signal Generator

■ No Troublesome In-unit Error Correction

The MS269xA/MS2830A digitizing function corrects instrument errors automatically, eliminating troublesome calculations using correction data and validation of correction data. The digitized waveform data can be used with simulation tools.

Auto-corrects in-instrument error

Simulation Tool

RF Signal → RF Down Converter → A/D Converter → Correction Circuit → Waveform Memory →

Waveform degraded in instrument   Correction

Ordering Information (extract)

Model/Order No.	Name
	- Main frame -
MS2690A	Signal Analyzer (50 Hz to 6.0 GHz)
MS2691A	Signal Analyzer (50 Hz to 13.5 GHz)
MS2692A	Signal Analyzer (50 Hz to 26.5 GHz)
	Analysis Bandwidth 31.25 MHz (Standard)
	- Options -
MS269xA-020	Vector Signal Generator (125 MHz to 6 GHz)
MS269xA-077	Analysis Bandwidth Extension to 62.5 MHz
MS269xA-078	Analysis Bandwidth Extension to 125 MHz (Requires MS269xA-077)
MS2692A-067	Microwave Preselector Bypass

Model/Order No.	Name
	– Main frame –
MS2830A	Signal Analyzer
	– Options –
MS2830A-040	3.6 GHz Signal Analyzer
MS2830A-041	6 GHz Signal Analyzer
MS2830A-043	13.5 GHz Signal Analyzer
MS2830A-005	Analysis Bandwidth Extension to 31.25 MHz (Requires MS2830A-006)
MS2830A-006	Analysis Bandwidth 10 MHz
MS2830A-020	3.6 GHz Vector Signal Generator
MS2830A-021	6 GHz Vector Signal Generator

AWR Products Introduction

■ Visual System Simulator™

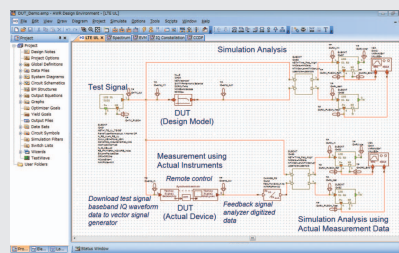The Visual System Simulator™ software is a communication system/radar simulator tool using a block-element GUI.

➤ Design integrating hardware with simulation (Hardware in loop simulation)
➤ Wireless communication standards test
➤ Integrated simulation with circuit and end-to-end simulation
➤ RF component specification R&D

■ AWR Connected™ for Anritsu

AWR Connected™ for Anritsu manages the MS2690A/MS2830A series Signal Analyzer, Vector Signal Generator option and Visual System Simulator™ as an integrated system.

AWR ® AWR Corporation
http://web.awrcorp.com

Ordering Information

AWR Corporation software
AWR Connected™ for Anritsu
Visual System Simulator™
TestWave™

（Contact AWR Corporation for details.）