

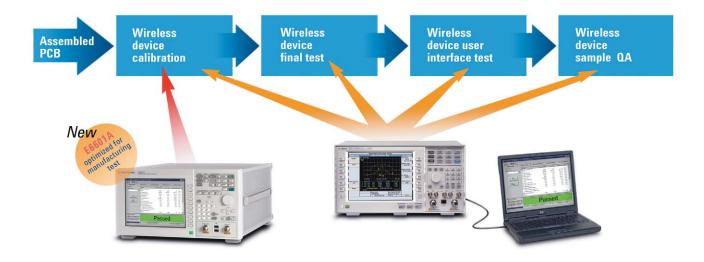
Product Comparison

Agilent 8960 and Agilent E6601A Wireless Communications Test Sets





- 8960 The flexible solution for design, verification, and manufacturing
- E6601A The next-generation solution for calibration manufacturing test



The Agilent E6601A Wireless Communications Test Set reduces cost of test for mobile phone calibration.

The E6601A is Agilent's newest platform for wireless manufacturing test. It is designed to work efficiently with modern manufacturing processes so you achieve the lowest possible cost of test.

The test set is a platform with a built-in open Windows XP® PC, six USB ports, and LAN and GPIB connectivity. You won't need a computer for each test set on your line, and you'll save money and valuable space. Write programs on a desktop computer and easily download them over a LAN directly into the E6601A. You can install and run your test executive software, store measurement data, and manipulate files—all on the E6601A test set. Plug in a mouse and keyboard for quick navigation of the measurement and PC screens.

A Windows® remote desktop feature lets you monitor E6601A test sets from any other Windows PC anywhere in the world where you have Internet access.

Designed for the time intensive wireless device calibration in manufacturing, the E6601A is the right choice when designing new manufacturing lines.

Choose the Agilent 8960 wireless communications test set when you want proven RF and cellular protocol test capability. It has the widest range of wireless technology formats and features on the market, along with full call processing and network simulation capability.

Configure it for your application

The 8960 can be configured for mobile phone test applications across the product lifecycle—at every stage of product design and development, manufacturing test, service, and repair. The 8960 platform consists of the E5515C wireless test set and three hardware options. It's further tailored for your application with a selection of technology-specific R&D and manufacturing application software.

Technology ▼ platform ▶	E6601A	8960	Technology ▼ platform ►	E6601A	8960
General			W-CDMA		
General purpose signal generator	Yes	Yes	Receiver measurements		
General purpose spectrum monitor	Yes	Yes	Loopback BER	No	Yes
IQ capture waveform sampling	Yes	Yes1	BLER on DPCH (W-CDMA)	No	Yes
Audio generator	No	Yes	HBLER on HS-DPCCH (HSDPA)	No	Yes
OCXO time base reference	Yes	Yes			
Call processing	No	Yes	Transmitter measurements		.,
Audio measurements			W-CDMA thermal power	No	Yes
Level	No	Yes	W-CDMA channel power	Yes	Yes
Distortion	No	Yes	HSDPA channel power	No	Yes
Frequency	No	Yes	W-CDMA adjacent channel leakage ratio	Yes	Yes
SINAD	No	Yes	HSDPA adjacent channel leakage ratio	No	Yes
Built-in open Windows XP PC	Yes	No	W-CDMA waveform quality	Yes	Yes
Control external instruments	Yes	No	HSDPA waveform quality	No	Yes
(GPIB, LAN, and USB)			W-CDMA spectrum emission mask	Yes	Yes
Connectivity			HSDPA spectrum emission mask	No	Yes
GPIB ,	Yes	Yes	Phase discontinuity	No	Yes
LAN	Yes	Yes	Inner loop power	No	Yes
USB	Yes	No	IQ tuning	No	Yes
			Occupied bandwidth	Yes	Yes
GSM/GPRS/EGPRS			W-CDMA code domain power	No	Yes
Receiver measurements			HSDPA code domain power	No	Yes
GSM/GPRS/EGPRS multi-slot	No	Yes	W-CDMA IQ constellation	No	Yes
bit error rate (BER)	140	100	HSDPA IQ constellation	No	Yes
GSM burst by burst (fast BER)	No	Yes	Tx on/off power	No	Yes
GSM/EGPRS multi-slot BER	No	Yes	Frequency stability	Yes	Yes
GSM/EGPRS multi-slot	No	Yes	Dynamic power	Yes	Yes
block error rate (BLER)	140	100	Transmitter calibration		
Receiver sensitivity	No	Yes	Fast Device Tune measurements	Yes	Yes
Transmitter measurements					
Multi-slot-tolerant transmit power ²	Yes	Yes	cdma2000®/1xEV-DO		
Multi-slot-tolerant power versus time	Yes	Yes	Receiver measurements		
Multi-slot-tolerant output RF spectrum	Yes	Yes	cdma2000 frame error rate (FER)	No	Yes
due to modulation and switching	163	163	cdma2000 TDSO FER	No	Yes
8PSK multi-slot-tolerant modulation accu	racv		1xEV-DO packet error rate (PER)	No	Yes
Peak	Yes	Yes	Transmitter measurements		
RMS	Yes	Yes	AMPS	No	Yes
GMSK multi-slot-tolerant frequency error		Yes	Access probe power	No	Yes
GMSK multi-slot-tolerant hequency error	Yes	Yes	Channel power	Yes	Yes
RACH	Yes	Yes	cdma2000 code channel time/phase error	No	Yes
IQ tuning	No ³	Yes	Digital average power	No	Yes
Decoded audio level	No	Yes	cdma2000 gated power	No	Yes
GSM multi-tone audio	No	Yes	cdma2000 maximum/minimum power	No	Yes
Frequency stability	Yes	Yes	Handoff waveform quality	No	Yes
Dynamic power		Yes	Waveform quality/code domain	No	Yes
Phase and amplitude versus time (PAvT)	Yes Yes	Yes	Tx spurious emissions	Yes	Yes
i nase and ampilitude versus time (PAVI)	ies	162	Occupied bandwidth	Yes	No
			cdma2000 multi-tone audio	No	Yes
			Swept audio	No	Yes
			Time response of open loop power (TROLPC		Yes
			Frequency stability	Yes	Yes
			Dynamic power	Yes	Yes
1. I/Q waveform sampling is part of PAvT measurement for 896	0.		Transmitter calibration	•	
2. If not designated, multi-slot measurements support both GM			nansimiller campration	V	V

Fast Device Tune measurement

Yes Yes

If not designated, multi-slot measurements support both GMSK and 8PSK.
 Can be done with spectrum monitor.

E6601A 8960

TD-SCDMA

TD-SCDMA signal generator

ARB source	Yes	No
Transmitter measurements		
Mean power	Yes	No
Root-raised cosine power	Yes	No
Adjacent channel leakage ratio	Yes	No
Spectrum emission mask	Yes	No
Error vector magnitude	Yes	No
Peak code domain error	Yes	No
Frequency error	Yes	No
Dynamic power	Yes	No

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