Agilent E6607C EXT Multiport Wireless Communications Test Set

Configuration Guide

With U90xxA measurement applications and N76xxB Signal Studio software

The Agilent E6607C EXT multiport wireless communications test set integrates into one box an innovative test sequencer, vector signal analyzer (VSA), vector signal generator (VSG), and multiport RF input/output hardware to help you accelerate non-signaling test in cellular and wireless device manufacturing.

The integrated multiport adapter is a seamless connectivity solution that enables parallel testing of multiple devices and allows you to achieve significant manufacturing test throughput improvement.

Consistent, reliable, and accurate, the U90xxA X-Series measurement applications are specifically optimized for manufacturing test to improve production yield.

Standards-based waveform files are provided by N76xxB Signal Studio software to control and test your wireless devices.

Anticipate ___Accelerate ___Achieve

Agilent Technologies

The Standard EXT Product Includes:

- Getting Started Guide (E6607-90036) in hardcopy
- U9060A-2FP test set measurement application, fixed perpetual license
- U9065A-2FP sequence analyzer application, fixed perpetual license
- Waveform 5-pack (quantity 2) – E6607C-221 and 222
- Country-specific power cord
- E6607C-PFR precision frequency reference

1. Choose the frequency range (required)

2. Choose the measurement applications and license types (required)

Ordering number	Description
E6607C-504	Frequency range 10 MHz to 3.8 GHz

Fixed perpetual	Transportable perpetual
U9063A analog demodulation measurement application	
U9063A-2FP	U9063A-2TP
U9071A GSM/EDGE measurement application	
U9071A-2FP	U9071A-2TP
U9071A EDGE Evo measurement application	
U9071A-3FP	U9071A-3TP
U9072A cdma2000® measurement application	
U9072A-2FP	U9072A-2TP
U9073A W-CDMA measurement application	
U9073A-1FP	U9073A-1TP
U9073A HSDPA/HSUPA measurement application	
U9073A-2FP	U9073A-2TP
U9073A HSPA+ measurement application	
U9073A-3FP	U9073A-3TP
U9075A Mobile WiMAX® measurement application	
U9075A-2FP	U9075A-2TP
U9076A 1xEV-DO measurement application	
U9076A-1FP	U9076A-1TP
U9079A TD-SCDMA measurement application	
U9079A-1FP	U9079A-1TP
U9079A HSPA measurement application	
U9079A-2FP	U9079A-2TP
U9080A LTE FDD measurement application	
U9080A-1FP	U9080A-1TP
U9081A *Bluetooth*® measurement application	
U9081A-2FP	U9081A-2TP
U9082A LTE TDD measurement application	
U9082A-1FP	U9082A-1TP

3. Choose the N7300 Series chipset software (optional)

The N7300 Series chipset software allows optimization of calibration and verification procedures for leading wireless chipsets. The software can be ordered at time of E6607C purchase or at a later date. For information on the relevant N7300 Series software, refer to **www.agilent.com/find/N7300**

4. Choose the U9066A Sequence Studio software (optional)

The U9066A Sequence Studio is a visual software tool that dramatically streamlines test plan development, reducing the engineering time required to develop and troubleshoot non-signaling test plans for volume manufacturing. The software can be ordered at the time of E6607C purchase or at a later date. For information on the U9066A Sequence Studio software, refer to **www.agilent.com/find/U9066A**

Ordering number	Description
U9066A-1TP	Sequence Studio, transportable perpetual license

5. Choose the Signal Studio software (optional)

Fixed perpetual	Transportable perpetual	Description
N7600B Signal Studio for W-CDMA/HSPA+		
N7600B-8FP	N7600B-8TP	Connect to EXT wireless communications test set
N7600B-EFP	N7600B-ETP	Basic W-CDMA/HSPA R7
N7600B-FFP	N7600B-FTP	Basic W-CDMA/HSPA+ R8
N7600B-QFP	N7600B-QTP	Advanced W-CDMA /HSPA+ R8 UL, HSDPA R6 DL
N7601B Signal Studio for cdma2000/1xEV-DO		
N7601B-8FP	N7601B-8TP	Connect to EXT wireless communications test set
N7601B-EFP	N7601B-ETP	Basic cdma2000
N7601B-QFP	N7601B-QTP	Advanced cdma2000
N7601B-FFP	N7601B-FTP	Basic 1xEV-DO
N7601B-RFP	N7601B-RTP	Advanced 1xEV-DO
N7602B Signal Studio for GSM/EDGE/Evo		
N7602B-8FP	N7602B-8TP	Connect to EXT wireless communications test set
N7602B-EFP	N7602B-ETP	Basic GSM/EDGE
N7602B-FFP	N7602B-FTP	Basic EGPRS2
N7602B-QFP	N7602B-QTP	Advanced GSM/EDGE/EGPRS2
N7606B Signal Studio for *Bluetooth*		
N7606B-8FP	N7606B-8TP	Connect to EXT wireless communications test set
N7606B-QFP	N7606B-QTP	Advanced *Bluetooth* V 1.1
N7606B-RFP	N7606B-RTP	Advanced *Bluetooth* V 2.1+EDR
N7606B-SFP	N7606B-STP	Advanced *Bluetooth* low energy

5. Choose the Signal Studio software (optional)
Continued

Fixed perpetual	Transportable perpetual	Description
N7611B Signal Studio for Broadcast Radio		
N7611B-8FP	N7611B-8TP	Connect to EXT wireless communications test set
N7611B-QFP	N7611B-QTP	Advanced FM stereo/RDS
N7611B-RFP	N7611B-RTP	Advanced DAB/DAB+/DMB
N7611B-SFP	N7611B-STP	ETI support for DAB/DMB
N7612B Signal Studio for TD-SCDMA/HSDPA		
N7612B-8FP	N7612B-8TP	Connect to EXT wireless communications test set
N7612B-EFP	N7612B-ETP	Basic TD-SCDMA/HSDPA
N7612B-QFP	N7612B-QTP	Advanced TD-SCDMA/HSDPA
N7615B Signal Studio for Mobile WiMAX		
N7615B-8FP	N7615B-8TP	Connect to EXT wireless communications test set
N7615B-EFP	N7615B-ETP	Basic Mobile WiMAX
N7615B-QFP	N7615B-QTP	Advanced Mobile WiMAX
N7615B-RFP	N7615B-RTP	Advanced Mobile WiMAX 802.16 updates
N7623B Signal Studio for Digital Video		
N7623B-8FP	N7623B-8TP	Connect to EXT wireless communications test set
N7623B-MFP	N7623B-MTP	Advanced ISDB-Tmm, ISDB-T enhancement
N7623B-NFP	N7623B-NTP	Advanced ATSC-M/H
N7623B-PFP	N7623B-PTP	Advanced BER tools
N7623B-QFP	N7623B-QTP	Advanced DVB-T/H/C/J.83 Annex A/C
N7623B-RFP	N7623B-RTP	Advanced ISDB-T
N7623B-SFP	N7623B-STP	Advanced DTMB
N7623B-UFP	N7623B-UTP	Advanced ATSC
N7623B-VFP	N7623B-VTP	Advanced DVB-S
N7623B-WFP	N7623B-WTP	Advanced DVB-S2
N7623B-XFP	N7623B-XTP	Advanced J.83 Annex B, DOCSIS DS
N7623B-YFP	N7623B-YTP	Advanced CMMB
N7623B-ZFP	N7623B-ZTP	Advanced DVB-T2
N7624B Signal Studio for 3GPP LTE-FDD		
N7624B-8FP	N7624B-8TP	Connect to EXT wireless communications test set
N7624B-HFP	N7624B-HTP	Basic LTE FDD R9
N7624B-SFP	N7624B-STP	Advanced LTE FDD R9
N7625B Signal Studio for LTE TDD		
N7625B-8FP	N7625B-8TP	Connect to EXT wireless communications test set
N7625B-EFP	N7625B-ETP	Basic LTE TDD R9
N7625B-QFP	N7625B-QTP	Advanced LTE TDD R9

6. Waveform 5 and 50-packs (optional)

Waveform 5 and 50-packs are a cost-effective solution that lets you configure Agilent Signal Studio waveforms for your applications. All instruments are shipped with the E6607C-221 (Waveform 5-pack1) and E6607C-222 (Waveform 5-pack2) as standard.

Ordering number	Description
E6607C-223-229	Waveform license 5-pack 3 to 9
E6607C-250-259	Waveform license 50-pack 1 to 10

7. Choose the accessories (optional)

Ordering number	Description	Ordering number	Description
E6607C-KYB	Keyboard, USB	E6607C-1CP	Rackmount and handle kit
E6607C-1CR	Rack slide kit	E6607C-HTC	Hard transit case
E6607C-1CM	Rackmount kit	E6607C-MSE	Mouse, USB
E6607C-1CN	Front handle kit		

8. Choose calibration service (optional)

If Option UK6 is required it must be ordered at time of E6607C purchase.

Ordering number	Description
E6607C-UK6	Commercial calibration certificate with test data
R-50C-011-3	Agilent upfront calibration support plan: 3 years
R-50C-011-5	Agilent upfront calibration support plan: 5 years

9. Choose a warranty plan (optional)

Ordering number	Description
Standard	3 year return-to-Agilent warranty
R-51B-001-5C	3 year return-to Agilent warranty extended to 5 years

10. Choose services (optional)

The following start-up assistance options are available for the E6607C EXT wireless communications test set.

Ordering number	Description
PS-S20	Startup assistance
PS-S20-01	Recommended startup assistance
PS-S10	Remote scheduled productivity assistance. Select 1 to 999 hours.
PS-X10	Custom services to be qualified by an Agilent technical consultant

11. Upgrades (optional)

The following upgrade kits are available for the E6607C EXT wireless communications test set.

Ordering number	Description
E6607CK-223-229	Waveform license 5-pack 3 to 9 upgrades
E6607CK-250-259	Waveform license 50-pack 1 to 10 upgrades
E6607CK-KYB	Keyboard, USB
E6607CK-1CR	Rack slide kit
E6607CK-1CM	Rackmount kit
E6607CK-1CN	Front handle kit
E6607CK-1CP	Rackmount and handle kit
E6607CK-HTC	Hard transit case
E6607CK-MSE	Mouse, USB

Transforming manufacturing test

Related Agilent Literature

myAgilent

www.agilent.com/find/myagilent
A personalized view into the information most relevant to you.

www.lxistandard.org
LAN eXtensions for Instruments puts the power of Ethernet and the Web inside your test systems. Agilent is a founding member of the LXI consortium.

3 WARRANTY **Three-Year Warranty**

www.agilent.com/find/ThreeYearWarranty
Agilent's combination of product reliability and three-year warranty coverage is another way we help you achieve your business goals: increased confidence in uptime, reduced cost of ownership and greater convenience.

Agilent Advantage Services

www.agilent.com/find/AdvantageServices
Accurate measurements throughout the life of your instruments.

Agilent Electronic Measurement Group
DEKRA Certified
ISO 9001:2008
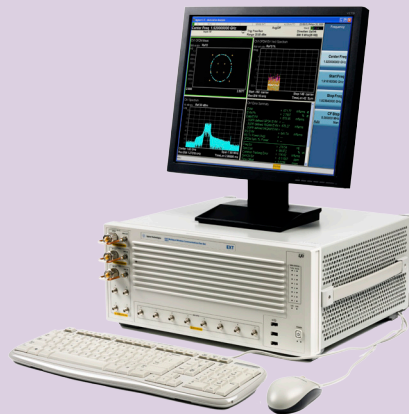Quality Management System
www.agilent.com/quality

E6607C
10 MHz to 3.8 GHz

Integrated multiport adapter
X-Series measurement applications
Sequence Studio software
Signal Studio software
Chipset software

www.agilent.com/find/E6607C
www.agilent.com/find/EXT-C

EXT

www.agilent.com
www.agilent.com/find/E6607C
www.agilent.com/find/EXT-C

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

www.agilent.com/find/contactus

Americas

Canada	(877) 894 4414
Brazil	(11) 4197 3600
Mexico	01800 5064 800
United States	(800) 829 4444

Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Other AP Countries	(65) 375 8100

Europe & Middle East

Belgium	32 (0) 2 404 93 40
Denmark	45 45 80 12 15
Finland	358 (0) 10 855 2100
France	0825 010 700*
	*0.125 €/minute
Germany	49 (0) 7031 464 6333
Ireland	1890 924 204
Israel	972-3-9288-504/544
Italy	39 02 92 60 8484
Netherlands	31 (0) 20 547 2111
Spain	34 (91) 631 3300
Sweden	0200-88 22 55
United Kingdom	44 (0) 118 927 6201

For other unlisted countries:
www.agilent.com/find/contactus

(BP-3-1-13)

Agilent Technologies