

HP 8921A Cell Site Test Set
HP 11807B Cell Site Test Software
HP 83204A TDMA Cellular Adapter
HP 83205A CDMA Cellular Adapter
HP 83236B PCS Interface

Configuration Guide

*Test solutions for
AMPS, TACS, TDMA,
CDMA, CDPD and PCS*

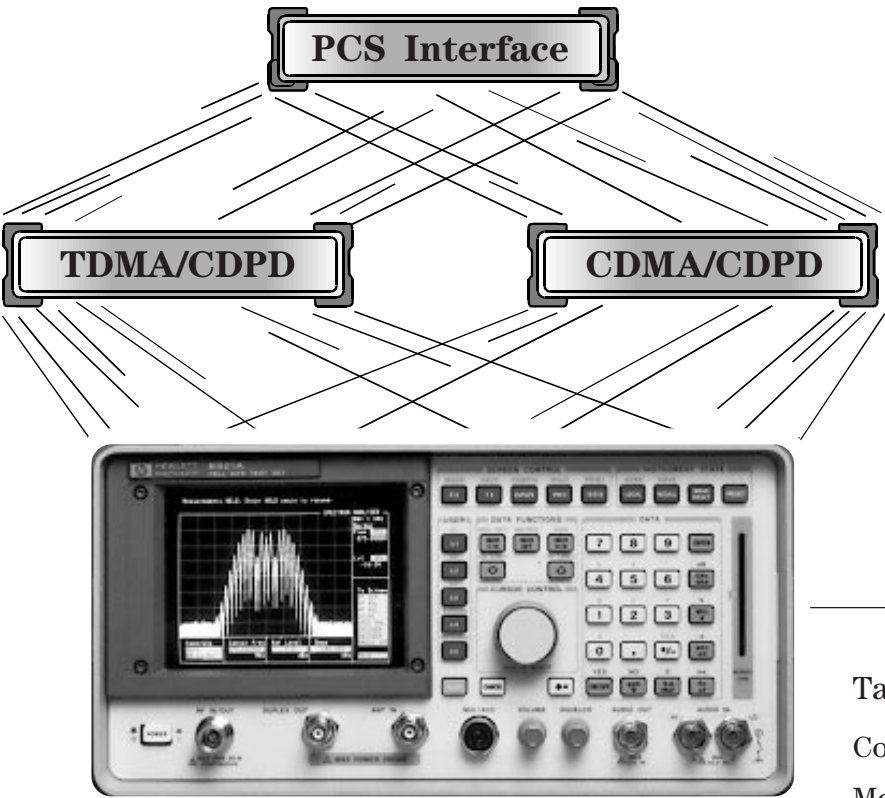
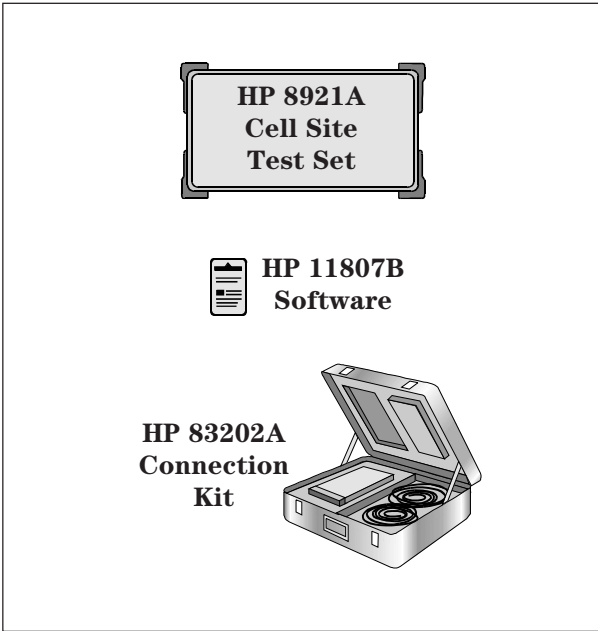


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Configuration Examples

The HP 8921A can be configured for wireless infrastructure test applications including AMPS, TACS, TDMA, CDMA, CDPD, and PCS.

AMPS/TACS Test Configuration Example

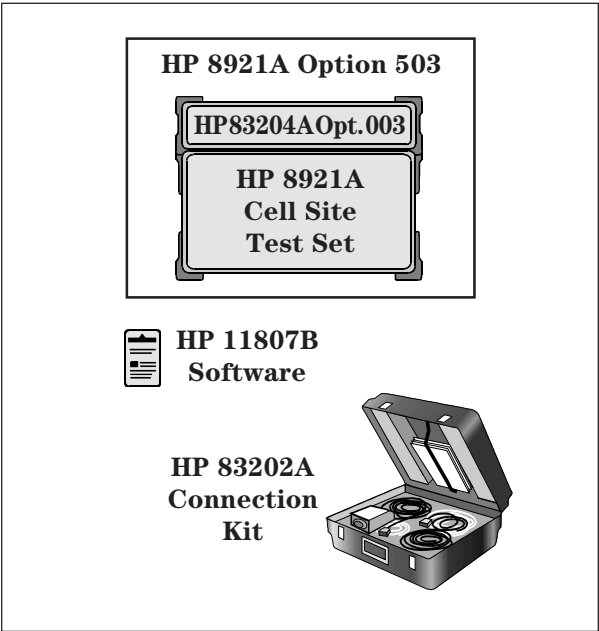


Sample order for AMPS/NAMPS cell site testing with software, training, a connection kit, a 12-month software update service contract, and a three-year return repair service contract.

HP 8921A	qty 1
Option W30 (return repair service)	qty 1
Software	
HP 11807B	qty 1
Option "0__" (manufacturer option)	qty 1
Option +36H (start-up assistance)	qty 1
Option "0__" +SAJ (software updates with manufacturer option)	qty 12
Connection Kit	
HP 83202A	qty 1
Option "0__" (manufacturer option)	qty 1

For flexibility in specifying a solution to meet your exact needs, follow the recommendations in this configuration guide to determine the appropriate hardware, software, and support options for cell site testing with the HP 8921A.

TDMA/CDPD Test Configuration Example

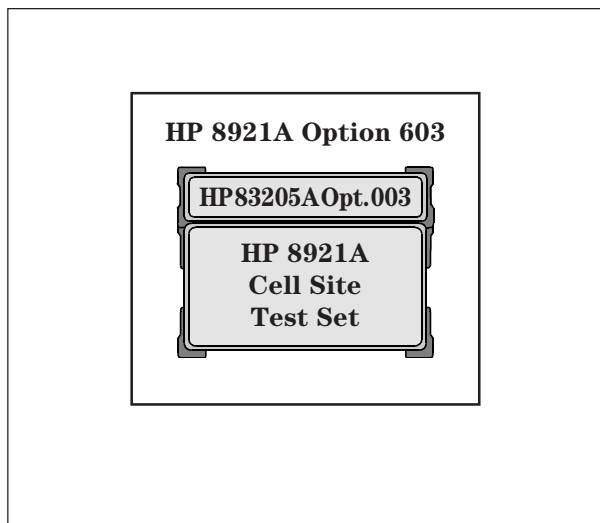


Sample order for TDMA/CDPD cell site testing with software, training, a connection kit, a 12-month software update service contract, and a three-year return repair service contract.

HP 8921A	qty 1
Option 503 (TDMA/CDPD adapter)	qty 1
Option W30 (return repair service)	qty 1
HP 83204A (for ordering return repair service) ..	qty 0
Option W30 (return repair service)	qty 1
Software	
HP 11807B	qty 1
Option "0__" (manufacturer option)	qty 1
Option +36H (start-up assistance)	qty 1
Option "0__" +SAJ (software updates with manufacturer option)	qty 12
Connection Kit	
HP 83202A	qty 1
Option "0__" (manufacturer option)	qty 1

CDMA/CDPD

Test Configuration Example

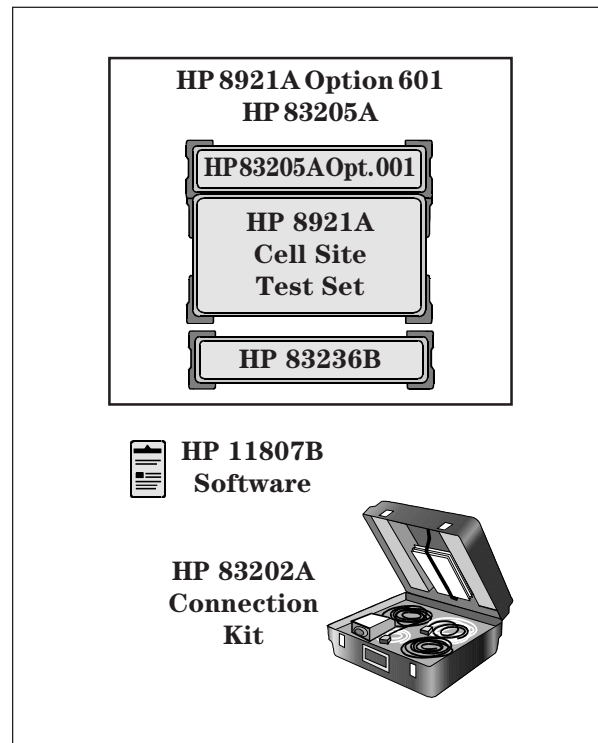


Sample order for CDMA/CDPD cell site testing with a three-year return repair service contract.

HP 8921A qty 1
 Option 603 (CDMA/CDPD option) qty 1
 Option W30 (return repair service) qty 1
HP 83205A (for ordering return repair service) .. qty 0
 Option W30 (return repair service) qty 1

PCS (CDMA)

Test Configuration Example

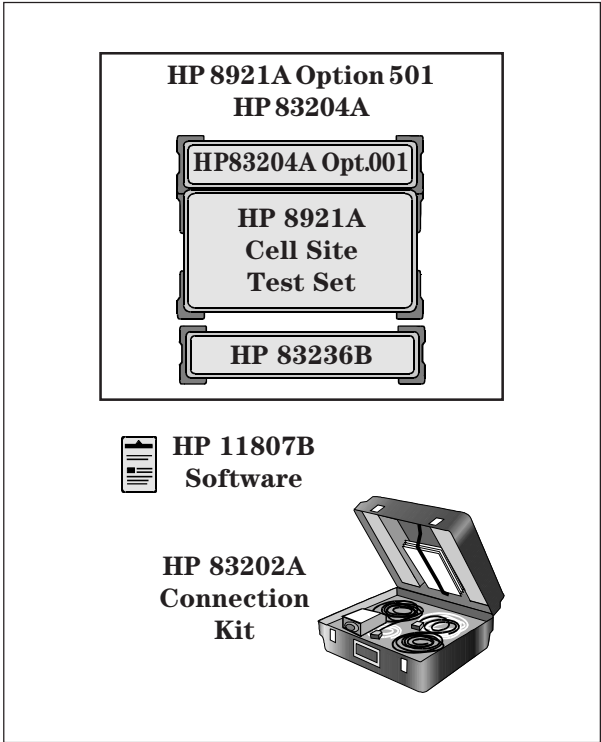


Sample order for PCS (1850 to 1990 MHz) CDMA cell site testing with a three-year return repair service contract.

HP 8921A qty 1
 Option 601 (CDMA option) qty 1
 Option W30 (return repair service) qty 1
HP 83205A (for ordering return repair service) .. qty 0
 Option W30 (return repair service) qty 1
HP 83236B (for ordering return repair service) .. qty 0
 Option W30 (return repair service) qty 1
HP 11807B Option 083 Lucent CDMA PCS
 base station software qty 1
HP 83202A Option 083 Lucent CDMA PCS
 base station connection kit qty 1

PCS (TDMA)

Test Configuration Example



Sample order for PCS (1850 to 1990 MHz) TDMA cell site testing with a three-year return repair service contract.

HP 8921A	qty 1
Option 501 (TDMA option)	qty 1
Option W30 (return repair service)	qty 1
HP 83204A (for ordering return repair service) ..	qty 0
Option W30 (return repair service)	qty 1
HP 83236B (for ordering return repair service) ..	qty 0
Option W30 (return repair service)	qty 1
HP 11807B Option 093 Lucent TDMA PCS base station software	qty 1
HP 83202A Option 083 Lucent PCS base station connection kit	qty 1

Motorola

Note: the HP 8921A cannot be configured with both TDMA and CDMA options. Do not order Option 500 and 600 on the same HP 8921A.

HDII, LD AMPS/NAMPS

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• Radio Interface Card ¹	Option 020	☐
• CDPD Option		
Adds HP 83205A-002 <i>CDMA-ready</i> CDPD cellular adapter	Option 602	☐
HP 11807B Cell Site Test Software.	HP 11807B	☐
• Motorola Test Software	Option 040	☐
HP 83202A Connection Kit ^{2,3}	HP 83202A	☐
• Motorola Connection Kit	Option 040	☐

TACS/ETACS/UTACS/EUTACS

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• Radio Interface Card ¹	Option 020	☐
• CCITT Weighting Filter replaces AMPS C-Message Weighting Filter	Option 011	☐
• CDPD Option		
Adds HP 83205A-002 <i>CDMA-ready</i> CDPD cellular adapter	Option 602	☐
HP 11807B Cell Site Test Software.	HP 11807B	☐
• Motorola TACS / ETACS / UTACS / EUTACS Cell Site Software	Option 050	☐
HP 83202A Connection Kit ^{2,3}	HP 83202A	☐
• Motorola Connection Kit	Option 040	☐

Micro C-I-T-E AMPS/NAMPS

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• CDPD Option		
Adds HP 83205A-002 <i>CDMA-ready</i> CDPD cellular adapter	Option 602	☐
HP 11807B Cell Site Test Software.	HP 11807B	☐
• Motorola AMPS/NAMPS Micro C-I-T-E Test Software.. ..	Option 070	☐
HP 83202A Connection Kit ²	HP 83202A	☐
• Motorola AMPS/NAMPS Micro C-I-T-E Connection Kit	Option 070	☐

Super Cell SC-9600 CDMA (800 MHz)

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• CDMA Option		
Adds HP 83205A-001 <i>CDPD-ready</i> CDMA cellular adapter	Option 600	☐
Adds HP 83205A-003 CDMA/CDPD cellular adapter	Option 603	☐

PCS Testing

HP 8921A Cell Site Test Set (required).	HP 8921A	☐
• CDMA Option		
Adds HP 83205A-001 CDMA cellular adapter and HP 83236B PCS interface	Option 601	☐

¹ This option is used to control RF and audio switches that route signals from the base station to the HP 8921A connectors.

² This kit contains necessary cables, connectors, and interface/switch box (where required) to automate base station testing. For making VSWR and cable fault measurements included in the HP 11807B and HP 11807A Option 100 software packages, external components are required. A kit containing these components (BKH-8920) can be ordered directly from Eagle, P.O. Box 4010, Sedona AZ 86340. Telephone: (520) 204-2597, FAX: (520) 204-2568.

³ The HP 83202A-040 is configured for a site with two receive antennas and two harmonic filter outputs. Contact your HP sales representative about the HP 8921A Option K03 for other site configurations.

CELL SITE TEST SET CONFIGURATIONS

General Electric

Note: the HP 8921A cannot be configured with both TDMA and CDMA options. Do not order Option 500 and 600 on the same HP 8921A.

RCU Analog, Extended Frequency Analog, and Compact RCU AMPS Base Stations AMPS

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- Radio Interface Card¹ Option 020 ☐
- HP 11807B Cell Site Test Software.** HP 11807B ☐
- G.E. AMPS Test Software Option 041 ☐
- HP 83202A Connection Kit**² HP 83202A ☐
- Northern Telecom and G.E. Connection Kit. Option 044 ☐

CELL SITE TEST SET CONFIGURATIONS

Hughes

Note: the HP 8921A cannot be configured with both TDMA and CDMA options. Do not order Option 500 and 600 on the same HP 8921A.

GMH 2000 AMPS

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- CDPD Option
- Adds HP 83204A-002 *TDMA-ready* CDPD cellular adapter Option 502 ☐
- Adds HP 83205A-002 *CDMA-ready* CDPD cellular adapter Option 602 ☐
- HP 11807B Cell Site Test Software.** HP 11807B ☐
- Hughes AMPS Test Software. Option 045 ☐

GMH 2000 TDMA (800 MHz)

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- TDMA Option
- Adds HP 83204A-001 *CDPD-ready* TDMA cellular adapter Option 500 ☐
- Adds HP 83204A-003 TDMA/CDPD cellular adapter Option 503 ☐

PCS Testing

- HP 8921A Cell Site Test Set** (required). HP 8921A ☐
- TDMA Option
- Adds HP 83204A-001 TDMA cellular adapter and HP 83236B PCS interface Option 501 ☐
- CDMA Option
- Adds HP 83205A-001 CDMA cellular adapter and HP 83236B PCS interface Option 601 ☐

¹ This option is used to control RF and audio switches that route signals from the base station to the HP 8921A connectors.

² This kit contains necessary cables, connectors, and interface/switch box (where required) to automate base station testing. For making VSWR and cable fault measurements included in the HP 11807B and HP 11807A Option 100 software packages, external components are required. A kit containing these components (BKH-8920) can be ordered directly from Eagle, P.O. Box 4010, Sedona AZ 86340. Telephone: (520) 204-2597, FAX: (520) 204-2568.

³ The HP 83202A-040 is configured for a site with two receive antennas and two harmonic filter outputs. Contact your HP sales representative about the HP 8921A Option K03 for other site configurations.

Ericsson

Note: the HP 8921A cannot be configured with both TDMA and CDMA options. Do not order Option 500 and 600 on the same HP 8921A.

882, 882M AMPS, Microcell

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- CDPD Option
 - Adds HP 83204A-002 *TDMA-ready* CDPD cellular adapter Option 502 ☐
 - HP 11807B Cell Site Test Software.** HP 11807B ☐
 - Ericsson Test Software. Option 042 ☐
 - HP 83202A Connection Kit**² HP 83202A ☐
 - Ericsson Connection Kit. Option 042 ☐

883, 883M TACS

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- CCITT Weighting Filter replaces AMPS C-Message Weighting Filter Option 011 ☐
 - CDPD Option
 - Adds HP 83204A-002 *TDMA-ready* CDPD cellular adapter Option 502 ☐
 - HP 11807B Cell Site Test Software.** HP 11807B ☐
 - Ericsson TACS/ETACS Test Software. Option 052 ☐
 - HP 83202A Connection Kit**² HP 83202A ☐
 - Ericsson Connection Kit. Option 042 ☐

882D TDMA (800 MHz)

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- Ericsson PCM Reference (for bench test of TDMA radios). Option 042 ☐
 - TDMA Option
 - Adds HP 83204A-001 *CDPD-ready* TDMA cellular adapter Option 500 ☐
 - Adds HP 83204A-003 TDMA/CDPD cellular adapter Option 503 ☐
 - HP 11807B Software.** HP 11807B ☐
 - Ericsson AMPS/TDMA Test Software. Option 042 ☐
 - HP 83202A Connection Kit**² HP 83202A ☐
 - Ericsson Base Station Connection Kit. Option 042 ☐

² This kit contains necessary cables, connectors, and interface/switch box (where required) to automate base station testing. For making VSWR and cable fault measurements included in the HP 11807B and HP 11807A Option 100 software packages, external components are required. A kit containing these components (BKH-8920) can be ordered directly from Eagle, P.O. Box 4010, Sedona AZ 86340. Telephone: (520) 204-2597, FAX: (520) 204-2568.

Ericsson *continued*

Note: the HP 8921A cannot be configured with both TDMA and CDMA options. Do not order Option 500 and 600 on the same HP 8921A.

884 AMPS, TDMA (800 MHz), TDMA (PCS)**AMPS**

HP 8921A Cell Site Test Set (required) HP 8921A ☐

TDMA (800 MHz)

HP 8921A Cell Site Test Set (required) HP 8921A ☐

• TDMA Option

Adds HP 83204A-001 *CDPD-ready* TDMA cellular adapter Option 500 ☐

Adds HP 83204A-003 TDMA/CDPD cellular adapter Option 503 ☐

TDMA (PCS)

HP 8921A Cell Site Test Set (required) HP 8921A ☐

• PCS TDMA Option

Adds HP 83204A-001 TDMA cellular adapter and HP 83236B PCS interface Option 501 ☐

Lucent (formerly AT&T)

Note: the HP 8921A cannot be configured with both TDMA and CDMA options. Do not order Option 500 and 600 on the same HP 8921A.

Autoplex Series II AMPS, LMT, Universal Microcell

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- CDPD Option
 - Adds HP 83204A-002 *TDMA-ready* CDPD cellular adapter Option 502 ☐
 - Adds HP 83205A-002 *CDMA-ready* CDPD cellular adapter Option 602 ☐
 - HP 11807B Cell Site Test Software.** HP 11807B ☐
 - Lucent AMPS/TDMA Test Software Option 043 ☐
 - HP 83202A Connection Kit**^{2,4} HP 83202A ☐
 - Lucent Base Station Connection Kit Option 043 ☐

Autoplex Series II TDMA (800 MHz)

- HP 8921A Cell Site Test Set** (required) HP 8921A ☐
- TDMA Option
 - Adds HP 83204A-001 *CDPD-ready* TDMA cellular adapter Option 500 ☐
 - Adds HP 83204A-003 TDMA/CDPD cellular adapter Option 503 ☐
 - HP 11807B Cell Site Test Software.** HP 11807B ☐
 - Lucent AMPS/TDMA Test Software Option 043 ☐
 - HP 83202A Connection Kit**^{2,4} HP 83202A ☐
 - Lucent Connection Kit Option 043 ☐

PCS Testing

- HP 8921A Cell Site Test Set** (required). HP 8921A ☐
- TDMA Option
 - Adds HP 83204A-001 TDMA cellular adapter and HP 83236B PCS interface Option 501 ☐
 - CDMA Option
 - Adds HP 83205A-001 CDMA cellular adapter and HP 83236B PCS interface Option 601 ☐
 - HP 11807B Cell Site Test Software.** HP 11807B ☐
 - Lucent CDMA PCS Test Software Option 083 ☐
 - Lucent TDMA PCS Test Software Option 093 ☐
 - HP 83202A Connection Kit**⁴ HP 83202A ☐
 - Lucent CDMA/TDMA PCS Connection Kit Option 083 ☐

² This kit contains necessary cables, connectors, and interface/switch box (where required) to automate base station testing. For making VSWR and cable fault measurements included in the HP 11807B and HP 11807A Option 100 software packages, external components are required. A kit containing these components (BKH-8920) can be ordered directly from Eagle, P.O. Box 4010, Sedona AZ 86340. Telephone: (520) 204-2597, FAX: (520) 204-2568.

⁴ Lucent (AT&T) automated testing requires a Hayes compatible (9600 baud or greater) modem in addition to the HP 83202A Option 043 or 083 kit.

Nortel

Note: the HP 8921A cannot be configured with both TDMA and CDMA options. Do not order Option 500 and 600 on the same HP 8921A.

P-Series AMPS

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• Radio Interface Card ¹	Option 020	☐
• CDPD Option		
<i>Adds</i> HP 83204A-002 <i>TDMA-ready</i> CDPD cellular adapter	Option 502	☐
<i>Adds</i> HP 83205A-002 <i>CDMA-ready</i> CDPD cellular adapter	Option 602	☐
HP 11807B Cell Site Test Software.	HP 11807B	☐
• Northern Telecom/Novatel Test Software	Option 044	☐
HP 83202A Connection Kit ²	HP 83202A	☐
• Northern Telecom and G.E. Connection Kit	Option 044	☐

DRU/TRU TDMA (800 MHz)

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• Radio Interface Card ¹	Option 020	☐
• TDMA Option		
<i>Adds</i> HP 83204A-001 <i>CDPD-ready TDMA</i> cellular adapter	Option 500	☐
<i>Adds</i> HP 83204A-003 TDMA/CDPD cellular adapter	Option 503	☐
HP 11807B Cell Site Test Software.	HP 11807B	☐
• Northern Telecom/Novatel Test Software.	Option 044	☐
HP 83202A Connection Kit ²	HP 83202A	☐
• Northern Telecom and G.E. Connection Kit	Option 044	☐

BTS CDMA (800 MHz)

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• CDMA Option		
<i>Adds</i> HP 83205A-001 <i>CDPD-ready</i> CDMA cellular adapter	Option 600	☐
<i>Adds</i> HP 83205A-003 CDMA/CDPD cellular adapter	Option 603	☐

PCS Testing

HP 8921A Cell Site Test Set (required)	HP 8921A	☐
• TDMA Option		
<i>Adds</i> HP 83204A-001 TDMA cellular adapter and HP 83236B PCS interface	Option 501	☐
• CDMA Option		
<i>Adds</i> HP 83205A-001 CDMA cellular adapter and HP 83236B PCS interface	Option 601	☐

¹ This option is used to control RF and audio switches that route signals from the base station to the HP 8921A connectors.

² This kit contains necessary cables, connectors, and interface/switch box (where required) to automate base station testing. For making VSWR and cable fault measurements included in the HP 11807B and HP 11807A Option 100 software packages, external components are required. A kit containing these components (BKH-8920) can be ordered directly from Eagle, P.O. Box 4010, Sedona AZ 86340. Telephone: (520) 204-2597, FAX: (520) 204-2568.

General Software

Call Analysis, Logging, and Monitoring Software

HP 11807B Cell Site Test Software	HP 11807B	☐
AMPS Call Analysis, Logging, and Monitoring Software (800 MHz)	Option 120	☐

For automated VSWR and cable fault measurements when HP 11807B is not ordered⁵

HP 11807A Radio Test Software (800 MHz)	HP 11807A	☐
System Support Tests	Option 100	☐

For Creating or Modifying Base Station Test Programs

HP 83224A IBASIC Development Tools	HP 83224A	☐
IBASIC Development Tool Kit (includes software, HP-IB interface, and cable)	Option 001	☐
IBASIC Development Tool Kit (software only)	Option 002	☐

For extra copies of CDPD MDBS Cell Site Test Software⁶ 83204-10001 ☐

For extra copies of HP 83236B PCS Interface Utility Software (Epson format) 83236-85201 ☐

For Cellular Phone Test

- AMPS/EAMPS/NAMPS - HP 8921A

HP 11807A Radio Test Software	HP 11807A	☐
AMPS/NAMPS/EAMPS Cellular Phone Test	Option 004	☐
- TACS/ETACS - HP 8921A with Option 011

HP 11807A Radio Test Software	HP 11807A	☐
TACS/ETACS Cellular Phone Test	Option 005	☐
- JTACS/NTACS - HP 8921A with Option 011

HP 11807A Radio Test Software	HP 11807A	☐
JTACS/NTACS Cellular Phone Test	Option 007	☐
- TDMA Dual-Mode using TIA adapter (IS-54) DAMPS - HP 8921A with Option 500 or 503

HP 11807A Radio Test Software	HP 11807A	☐
TDMA/NADCDual-mode Cellular Phone Test, Using TIA Adapter	Option 008	☐
- AMPS/EAMPS/NAMPS/TDMA (IS-54) DAMPS over-the-air HP 8921A with Option 500 or 503

HP 11807A Radio Test Software	HP 11807A	☐
AMPS/EAMPS/NAMPS/North America TDMA Dual-mode Cellular Phones	Option 009	☐

⁵ For making VSWR and cable fault measurements included in the HP 11807B and HP 11807A Option 100 software packages, external components are required. A kit containing these components (BKH-8920) can be ordered directly from Eagle, P.O. Box 4010, Sedona AZ 86340. Telephone: (520) 204-2597, FAX: (520) 204-2568.

⁶ CDPD Cell Site Test Software is included as a standard part of each CDPD cellular adapter.

Software Support

HP 11807B option

For Start-up Assistance (highly recommended) Option +36H ☐
To receive revisions to HP 11807B code as they occur⁷. Option +SAJ ☐

HP 83204A option

To order one-time updates for HP 83204A or HP83205A CDPD Software Option R99 ☐
(CDPD Software is shipped with all CDPD hardware orders)

Hardware Support

Return Repair Service

HP 8921A options

Three-year Return Repair Service⁸ Option W30 ☐
Five-year Return Repair Service⁸ Option W50 ☐

Printers⁹

(Must order one for screen and test printouts)

C2655A DeskJet 340C Printer ☐
C2642A DeskJet 400 Printer ☐

⁷ For a 12-month HP 11807B update contract, order Option +SAJ, quantity 12. See examples on page 2.

⁸ For three-year return repair service on HP 8921A Options 500 and 600, order Option W30 on the HP 8921A and Option W30 on a stand-alone HP 83204A or HP 83205A. See examples on pages 2 and 3.

⁹ Supported printers include those printers that emulate the Epson FX80 and LQ850, as well as the HP DeskJet, LaserJet, ThinkJet, and QuietJet models.

Memory Cards (for Data Storage)

Each HP 11807B software package ships with one 128 KB SRAM card¹⁰ and battery as standard equipment. If data collection to an SRAM card is desired, additional SRAM card memory is recommended.

HP 85700A	32 KB SRAM Card and Battery (Epson card-only number RBC 032IE00)	☐
HP 85702A	128 KB SRAM Card and Battery (Epson card-only number RBC 128IE10)	☐
HP 85704A	256 KB SRAM Card and Battery (Epson card-only number RBC 256IE11)	☐
HP 85705A	512 KB SRAM Card and Battery (Epson card-only number RBC 512IE13)	☐
1420-0383	SRAM Lithium Battery (Panasonic battery number CR2016)	☐

Rack Mount

For HP 8921A Systems

5061-4846	HP 8921A Rack Mount Kit without Handles	☐
08921-61037	HP 8921A Option 500/600 Rack Mount Kit	☐

For HP 83236B Systems

HP 83236B option

Rack Flange Kit without Handles (HP 83236B only)	Option AX4 ☐
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Accessories

08920-61051	CRT Sunshade	☐
08920-61060	Antenna	☐
08920-1059	Microphone for HP 8921A	☐
08920-80027	DC Battery Pack for standard HP 8921A only (24 V)	☐
08920-80028	Battery Charger	☐
11850C	Power Splitter (DC to 3 GHz)	☐

¹⁰ Lucent HP 11807B Option 043 ships with a 256 kbyte SRAM card.

Transit Cases

1540-1130	HP 8921A Padded Carrying Case	☐
08920-90033	HP 8921A Hardshell Transit Case	☐
08920-61147	HP 8921A Option 500 or 600 Padded Carrying Case	☐
08920-90141	HP 8921A Hardshell Option 500 or 600 Transit Case	☐
83236-60001	HP 83236B Hardshell Transit Case	☐

Transit cases are also available directly from ECS Composites, P.O. Box 188, 3560 Rogue River Highway, Grants Pass, OR. 97526 Contact: Suz Montemayor, Phone: (541) 476-8871 or FAX (541) 474-2479

Manuals

HP 8921A

08921-90022	HP 8921A User's Guide	☐
08920-90204	HP 8921A Programmer's Guide	☐
08920-90168	HP 8921A Assembly Level Repair Manual	☐

HP 83204A

83204-90009	HP 83204A User's Guide	☐
83204-90014	CDPD Software User's Guide	☐
83204-90018	HP 83204A Assembly Level Repair Manual	☐

HP 83205A

83205-90008	HP 83205A User's Guide	☐
83205-90009	HP 83205A Assembly Level Repair Manual	☐
83204-90014	CDPD Software User's Guide	☐

HP 83236B

83236-90101	HP 83236B Operating Manual	☐
83236-90121	HP 83236B CDMA/PCS Base Station Test Software User's Guide	☐

Upgrades and Retrofits of existing HP 8921As

Upgrades of existing HP 8921As for TDMA, CDMA, CDPD, and PCS

Includes all necessary firmware and hardware unless otherwise noted.

TDMA Upgrade

Order HP 83204A - TDMA Cellular Adapter (option required)	HP 83204A	☐
TDMA Only	Option 001	☐
TDMA and CDPD	Option 003	☐

CDMA Upgrade¹¹

Order HP 83205A - CDMA Cellular Adapter (option required)	HP 83205A	☐
CDMA Only	Option 001	☐
CDMA and CDPD	Option 003	☐

CDPD Upgrade

TDMA

Order HP 83204A - TDMA Cellular Adapter (option required)	HP 83204A	☐
CDPD Only (TDMA-ready)	Option 002	☐
CDPD and TDMA	Option 003	☐

CDMA¹¹

Order HP 83205A - CDMA Cellular Adapter (option required)	HP 83205A	☐
CDPD Only (CDMA-ready)	Option 002	☐
CDPD and CDMA	Option 003	☐

PCS Upgrade

Add the HP 83236B PCS Interface to HP 8921A configurations for AMPS/TACS, TDMA, and CDMA to translate measurements to/from the 1710 to 1990 MHz PCS band.

PCS Interface	HP 83236B	☐
Rack Flange Kit without Handles (for HP 83236B only)	Option AX4	☐

¹¹ For average power capabilities on HP 8921A with a serial prefix less than or equal to "3501A" order HP 8921A Option G21.

Retrofit Kits for HP 8921A Options

HP 8921A Option 011 CCITT Weighting Filter:

HP 8921A option

Order HP 8921A Option R11 Option R11 ☐

HP 8921A Option 020 Radio Interface Card:¹²

Order HP 8921A Option R20 Option R20 ☐

HP 8921A Option 042 Ericsson PCM Reference:¹²

Order HP 8921A Option R42 Option R42 ☐

Latest Firmware for HP 8921A:

For HP 8921A with S/N <3546A - Order HP 8921A Option R40 Option R40 ☐

For HP 8921A with S/N ≥3546A - Order HP 8921A Option R98 Option R98 ☐

Retrofit Kits for HP 83204A and HP 83205A

HP 83204A Option 003: HP 83204A option

To retrofit Option 001 to Option 003 (add CDPD) Option R13 ☐

To retrofit Option 002 to Option 003 (add TDMA) Option R23 ☐

HP 83205A Option 003:

HP 83205A option

To retrofit Option 001 to Option 003 (add CDPD) Option R13 ☐

To retrofit Option 002 to Option 003 (add CDMA) Option R23 ☐

¹² Cannot combine Options 020 and 042.