

AMPS UPLINK

HP 8921A Cell Site Test Set: 12/20/99 04:20:00 pm

RF GENERATOR				
TX Frequency MHz 836.500000 TX Power dBm -----		FM Deviation kHz 8.095 AF Freq kHz 0.99998		
RF Gen Freq 1 836.500000 MHz	AFGen1 Freq 4 1.0000 kHz	AFGen2 Freq 1.0000 kHz	Mic Pre-Emp Auto/Hold On/Off	To Screen RF GEN RF ANL RF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude 2 0.0 dBm Atten Hold On/Off Output Port 3 RF Out/Outp	AFGen1 To 4 FM 8.00 kHz FM Coupling AC/DC DC FM Zero	AFGen2 To FM Off Audio Out AC/DC	Mod In To FM (Vpk) Off	

HP 8921A Cell Site Test Set: 12/20/99 04:20:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000 TX Power dBm -----		FM Deviation kHz 8.095 AF Freq kHz 0.99997		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key On/Off	To Screen RF GEN RF ANL RF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 836.500000 MHz	Input Atten Auto/Hold 0 dB Sensitivity Normal/High	Squelch Pot RF Cnt Gate 50.0 ms	TX Pwr Zero Zero	

HP 8921A Cell Site Test Set: 12/20/99 04:21:00 PM

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.095		
TX Power dBm -----		Distn % 0.3		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO IN1 More
Tune Freq 2 836.500000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 04:21:00 PM

RF ANALYZER				
TX Freq Error kHz 0.001		SNR dB 10 60.63 50		
TX Power dBm -----				
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO IN1 More
Tune Freq 2 836.500000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 04:25:00 PM

ADJACENT CHANNEL POWER				
TX Frequency 836.500000 MHz		Upper ACP Ratio -64.96 dB		
TX Power ---- dBm		Lower ACP Ratio -64.77 dB		
Tune Mode Auto/Manual	Input Port RF_In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 836.500000 MHz	Input Atten Auto/Hold	AFGen1 To FM 8.00 kHz	Ch Offset 30.000 kHz	RF ANL
			Channel BW 30.000 kHz	SCOPE
			Res BW 300 Hz	SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod		

HP 8921A Cell Site Test Set: 12/20/99 04:25:00 PM

ADJACENT CHANNEL POWER				
TX Frequency 836.500000 MHz		Upper ACP Ratio -71.86 dB		
TX Power ---- dBm		Lower ACP Ratio -72.13 dB		
Tune Mode Auto/Manual	Input Port RF_In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 836.500000 MHz	Input Atten Auto/Hold	AFGen1 To FM 8.00 kHz	Ch Offset 30.000 kHz	RF ANL
			Channel BW 30.000 kHz	SCOPE
			Res BW 300 Hz	SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod		

HP 8921A Cell Site Test Set: 12/20/99 04:25:00 pm

ADJACENT CHANNEL POWER				
TX Frequency MHz 836.500000		Upper ACP Ratio dB -72.96		
TX Power dBm -----		Lower ACP Ratio dB -73.05		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Frea 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Frea 836.500000 MHz	Input Atten Auto/Hold 0 dB	AFGen1 To FM 8.00 kHz	Ch Offset 30.000 kHz	
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Channel BW 30.000 kHz	
		Res BW 300 Hz		

HP 8921A Cell Site Test Set: 12/20/99 04:55:00 pm

RF GENERATOR				
TX Frequency MHz 824.000001		FM Deviation kHz 8.093		
TX Power dBm -----		RF Frea kHz 0.99997		
RF Gen Frea 824.000000 MHz	AFGen1 Frea 1.0000 kHz	AFGen2 Frea 1.0000 kHz	Mic Pre-Emph Auto/Hold On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude -40.0 dBm	AFGen1 To FM 8.00 kHz	AFGen2 To FM Off	Mod In To FM (Vpk) Off	
Atten Hold On/Off	FM Coupling AC/DC	Audio Out AC/DC		
Output Port RF Out/Aux1	DC FM Zero			

HP 8921A Cell Site Test Set: 12/20/99 04:56:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.108		
TX Power dBm ----		RF Freq kHz 0.99998		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 824.000000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 04:57:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.109		
TX Power dBm ----		Distn % 0.4		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 824.000000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 04:57:00 PM

RF ANALYZER				
TX Freq Error kHz 0.000		SNR dB 10 52.52 50		
TX Power dBm -----				
Tune Mode 1 <u>Auto/Manual</u>	Input Port 3 <u>RF In/Ant</u>	IF Filter 4 <u>30 kHz</u>	Ext TX Key 5 <u>On/Off</u>	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 <u>824.000000</u> MHz	Input Atten <u>Auto/Hold</u> 0 dB	Squelch Pot	TX Pwr Zero <u>Zero</u>	
	Sensitivity <u>Normal/High</u>	RF Cnt Gate <u>50.0</u> ms		

HP 8921A Cell Site Test Set: 12/20/99 04:59:00 PM

RF GENERATOR				
TX Frequency MHz 824.000318		FM Deviation kHz 8.067		
TX Power dBm -----		SINAD dB 8 12.56 24		
RF Gen Freq 1 <u>824.000000</u> MHz	AFGen1 Freq <u>1.0000</u> kHz	AFGen2 Freq <u>1.0000</u> kHz	Mic Pre-Emp <u>Auto/Hold</u> <u>On/Off</u>	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude 2 <u>-99.1</u> dBm	AFGen1 To 4 <u>FM</u> 8.00 kHz	AFGen2 To FM Off	Mod In To FM (Vpk) Off	
Atten Hold <u>On/Off</u>	FM Coupling <u>AC/DC</u> <u>DC FM Zero</u>	Audio Out <u>AC/DC</u>		
Output Port 3 <u>RF Out/Dupl</u>				

HP 8921A Cell Site Test Set: 12/20/99 05:00:00 pm

ADJACENT CHANNEL POWER				
TX Frequency MHz 824.000001		Upper ACP Ratio dB -41.47		
TX Power dBm ----		Lower ACP Ratio dB -41.39		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas 3 Ratio/Level	To Screen RF GEN
Tune Freq 1 824.000000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 4 30.000 kHz	RF ANL
	0 dB	2 8.00 kHz	Channel BW 5 30.000 kHz	SCOPE
			Res BW 300 Hz	SPEC ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod		ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/20/99 05:00:00 pm

ADJACENT CHANNEL POWER				
TX Frequency MHz 824.000000		Upper ACP Ratio dB -54.98		
TX Power dBm ----		Lower ACP Ratio dB -54.67		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas 3 Ratio/Level	To Screen RF GEN
Tune Freq 1 824.000000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 4 60.000 kHz	RF ANL
	0 dB	2 8.00 kHz	Channel BW 5 30.000 kHz	AF ANL
			Res BW 300 Hz	SCOPE
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod		SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/20/99 05:00:00 pm

ADJACENT CHANNEL POWER				
TX Frequency MHz 823.999989		Upper ACP Ratio dB -60.97		
TX Power dBm -----		Lower ACP Ratio dB -60.90		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 1 824.000000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 4 90.000 kHz	RF ANL
	0 dB	2 8.00 kHz	Channel BW 5 30.000 kHz	RF ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/20/99 04:28:00 pm

RF GENERATOR				
TX Frequency MHz 836.500000		FM Deviation kHz 8.111		
TX Power dBm -----		AF Freq kHz 0.99996		
RF Gen Freq 1 836.500000 MHz	AFGen1 Freq 1.0000 kHz	AFGen2 Freq 1.0000 kHz	Mic Pre-Emp Auto/Hold	To Screen RF GEN
Amplitude 2 -40.0 dBm	AFGen1 To 4 FM	AFGen2 To FM	On/Off	RF ANL
Atten Hold On/Off	5 8.00 kHz	Off	Mod In To FM 1/2Vpp	RF ANL
Output Port 3 RF Out/Dupl	FM Coupling AC/DC	Audio Out AC/DC	Off	SCOPE
	DC FM Zero			SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/20/99 04:29:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.112		
TX Power dBm ----		RF Freq kHz 0.99998		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 836.500000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 04:29:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.112		
TX Power dBm ----		Distn % 0.4		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 836.500000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 04:30:00 pm

RF ANALYZER				
TX Freq Error kHz 0.004		TX Power dBm ----- SNR dB 10 50 52.62		
Tune Mode 1 Auto/Manual	Input Port 2 RF In/Ant	IF Filter 3 30 kHz	Ext TX Key 4 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 836.500000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
		Sensitivity Normal/High	RF Cnt Gate 50.0 ms	

HP 8921A Cell Site Test Set: 12/20/99 04:31:00 pm

RF GENERATOR				
TX Frequency MHz 836.500398		FM Deviation kHz 8.041		
TX Power dBm -----		SINAD dB 8 24 12.18		
RF Gen Freq 1 836.500000 MHz	AFGen1 Freq 1.0000 kHz	AFGen2 Freq 1.0000 kHz	Mic Pre-Emph Auto/Hold On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude 2 -99.2 dBm	AFGen1 To 4 FM 8.00 kHz	AFGen2 To FM Off	Mod In To FM 12Vpki Off	
Atten Hold On/Off	FM Coupling AC/DC	Audio Out AC/DC		
Output Port 3 RF Out/Quel	DC FM Zero			

HP 8921A Cell Site Test Set: 12/20/99 04:53:00 PM

ADJACENT CHANNEL POWER				
TX Frequency MHz 836.500000		Upper ACP Ratio dB -41.72		
TX Power dBm -----		Lower ACP Ratio dB -41.05		
Tune Mode Auto/Manual	Input Port RF_In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas 3 Ratio/Level	To Screen RF GEN
Tune Freq 1 836.500000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 4 30.000 kHz	RF ANL
	0 dB	2 8.00 kHz	Channel BW 5 30.000 kHz	AF ANL
			Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod		

HP 8921A Cell Site Test Set: 12/20/99 04:53:00 PM

ADJACENT CHANNEL POWER				
TX Frequency MHz 836.500002		Upper ACP Ratio dB -54.30		
TX Power dBm -----		Lower ACP Ratio dB -54.51		
Tune Mode Auto/Manual	Input Port RF_In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas 3 Ratio/Level	To Screen RF GEN
Tune Freq 1 836.500000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 4 60.000 kHz	RF ANL
	0 dB	2 8.00 kHz	Channel BW 5 30.000 kHz	AF ANL
			Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod		

HP 8921A Cell Site Test Set: 12/20/99 04:50:00 pm

ADJACENT CHANNEL POWER				
TX Frequency MHz 836.500001		Upper ACP Ratio dB -60.55		
TX Power dBm -----		Lower ACP Ratio dB -60.35		
Tune Mode <u>Auto/Manual</u>	Input Port <u>RF In/Ant</u>	AFGen1 Freq <u>1.0000</u> kHz	ACP Meas <u>Ratio/Level</u>	To Screen <u>RF GEN</u>
Tune Freq <u>836.500000</u> MHz	Input Atten <u>Auto/Hold</u> <u>0</u> dB	AFGen1 To <u>FM</u> <u>8.00</u> kHz	Ch Offset <u>90.000</u> kHz	<u>RF ANL</u>
TX Pwr Zero <u>Zero</u>	Ext TX Key <u>On/Off</u>	Carrier Ref <u>Unmod/Mod</u>	Channel BW <u>30.000</u> kHz	<u>AF ANL</u>
			Res BW <u>300</u> Hz	<u>SCOPE</u>
				<u>SPEC ANL</u>
				<u>ENCODER</u>
				<u>DECODER</u>
				<u>RADIO INT</u>
				<u>More</u>

HP 8921A Cell Site Test Set: 12/20/99 05:04:00 pm

RF GENERATOR				
TX Frequency MHz 849.000000		FM Deviation kHz 8.093		
TX Power dBm -----		AF Freq kHz 0.99998		
RF Gen Freq <u>849.000000</u> MHz	AFGen1 Freq <u>1.0000</u> kHz	AFGen2 Freq <u>1.0000</u> kHz	Mic Pre-Emp <u>Auto/Hold</u> <u>On/Off</u>	To Screen <u>RF GEN</u>
Amplitude <u>-40.0</u> dBm	AFGen1 To <u>FM</u> <u>8.00</u> kHz	AFGen2 To <u>FM</u> <u>Off</u>	Mod In To <u>FM (Vpk)</u> <u>Off</u>	<u>RF ANL</u>
Atten Hold <u>On/Off</u>	FM Coupling <u>AC/DC</u>	Audio Out <u>AC/DC</u>		<u>AF ANL</u>
Output Port <u>RF Out/Dual</u>	DC PM Zero			<u>SCOPE</u>
				<u>SPEC ANL</u>
				<u>ENCODER</u>
				<u>DECODER</u>
				<u>RADIO INT</u>
				<u>More</u>

HP 8921A Cell Site Test Set: 12/20/99 05:04:00 PM

RF ANALYZER				
TX Freq Error kHz 0.001		FM Deviation kHz 8.109		
TX Power dBm ----		RF Freq kHz 0.99997		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 849.000000 MHz	Input Atten Auto/Hold 0 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

AMPS DOWN

HP 8921A Cell Site Test Set: 12/16/99 05:18:00 pm

RF ANALYZER				
TX Frequency MHz 881.500000 TX Power W -----		FM Deviation kHz 8.114 AF Freq kHz 0.99998		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 881.500000 MHz	Input Atten Auto/Hold 40 dB	Squelch Pot	TX Pwr Zero Zero	
		Sensitivity Normal/High	RF Cnt Gate 50.0 ms	

HP 8921A Cell Site Test Set: 12/16/99 05:19:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000 TX Power W -----		FM Deviation kHz 8.114 AF Freq kHz 0.99997		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 881.500000 MHz	Input Atten Auto/Hold 40 dB	Squelch Pot	TX Pwr Zero Zero	
		Sensitivity Normal/High	RF Cnt Gate 50.0 ms	

HP 8921A Cell Site Test Set: 12/16/99 05:39:00 PM

L

AF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.114		
TX Power W -----		Distn % 0.3		
AF Anl In 1 FM Demod Filter 1 2 C MESSAGE Filter 2 3 >99kHz LP De-Emphasis 4 750 us/Off Detector 5 RMS+SQRT2	Settling Slow/Fast Pk Det To Filters Scope To Filters Speaker Vol Pot/Off Speaker ALC On/Off	Gain Cntl Auto/Hold Input Gain 0 dB De-Emp Gain 10 dB Notch Gain 40 dB	Audio In Lo Gnd Ext Load R 8.00 AF Cnt Gate 50.0 DC Current Zero	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More

HP 8921A Cell Site Test Set: 12/16/99 05:39:00 PM

L

AF ANALYZER				
TX Freq Error kHz 0.001		SNR dB 10 60.75 50		
TX Power W -----				
AF Anl In 1 FM Demod Filter 1 2 C MESSAGE Filter 2 3 >99kHz LP De-Emphasis 4 750 us/Off Detector 5 RMS+SQRT2	Settling Slow/Fast Pk Det To Filters Scope To Filters Speaker Vol Pot/Off Speaker ALC On/Off	Gain Cntl Auto/Hold Input Gain 0 dB De-Emp Gain 10 dB Notch Gain 0 dB	Audio In Lo Gnd Ext Load R 8.00 AF Cnt Gate 50.0 DC Current Zero	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More

HP 8921A Cell Site Test Set: 12/16/99 06:29:00 pm

L

ADJACENT CHANNEL POWER				
TX Frequency 881.500000 MHz TX Power -0.78 dBm		Upper ACP Ratio -64.48 dB Lower ACP Ratio -64.86 dB		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 881.500000 MHz	Input Atten Auto/Hold 0 dB	AFGen1 To FM 8.00 kHz	Ch Offset 30.000 kHz	
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Channel BW 30.000 kHz	
			Res BW 300 Hz	

HP 8921A Cell Site Test Set: 12/16/99 06:43:00 pm

L

ADJACENT CHANNEL POWER				
TX Frequency 881.500000 MHz TX Power -0.85 dBm		Upper ACP Ratio -70.80 dB Lower ACP Ratio -71.01 dB		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 881.500000 MHz	Input Atten Auto/Hold 0 dB	AFGen1 To FM 8.00 kHz	Ch Offset 60.000 kHz	
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Channel BW 30.000 kHz	
			Res BW 300 Hz	

HP 8921A Cell Site Test Set: 12/16/99 06:44:00 pm

L

ADJACENT CHANNEL POWER				
TX Frequency MHz 881.500000		Upper ACP Ratio dB -71.71		
TX Power dBm -0.80		Lower ACP Ratio dB -71.93		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 881.500000 MHz	Input Atten Auto/Hold 0 dB	AFGen1 To FM	Ch Offset 90.000 kHz	RF ANL
		8.00 kHz	Channel BW 30.000 kHz	AF ANL
			Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod		

HP 8921A Cell Site Test Set: 12/20/99 02:02:00 pm

RF GENERATOR				
TX Frequency MHz 869.000000		FM Deviation kHz 8.106		
TX Power dBm 19.97		RF Freq kHz 0.99997		
RF Gen Freq 869.000000 MHz	AFGen1 Freq 1.0000 kHz	AFGen2 Freq 1.0000 kHz	Mic Pre-Emp Auto/Hold On/Off	To Screen RF GEN
Amplitude -6.0 dBm	AFGen1 To FM	AFGen2 To FM	Mod In To FM (ZVkr) Off	RF ANL
Atten Hold On/Off	8.00 kHz	Off		AF ANL
Output Port RF Out/Out1	FM Coupling AC/DC	Audio Out AC/DC		SCOPE
	DC FM Zero			SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/20/99 02:03:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.106		
TX Power dBm 19.97		RF Freq kHz 0.99998		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 869.000000 MHz	Input Atten Auto/Hold 20 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 02:04:00 pm

RF ANALYZER				
TX Frequency MHz 869.000000		FM Deviation kHz 8.106		
TX Power dBm 19.96		Distn % 0.4		
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 869.000000 MHz	Input Atten Auto/Hold 20 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 02:05:00 pm

RF ANALYZER				
TX Frequency MHz 869.000000		SNR 10 52.50 50 dB		
TX Power dBm 19.96				
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 869.000000 MHz	Input Atten Auto/Hold 20 dB	Sauech Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 02:08:00 pm

RF GENERATOR				
TX Frequency MHz 869.000422		FM Deviation kHz 7.839		
TX Power dBm ----		SINAD 8 12.12 24 dB		
RF Gen Freq 1 869.000000 MHz	AFGen1 Freq 1.0000 kHz	AFGen2 Freq 1.0000 kHz	Mic Pre-Emp Auto/Hold On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude 2 -79.4 dBm	AFGen1 To 4 FM	AFGen2 To Off	Mod In To FM (ZVpk) Off	
Atten Hold On/Off	FM Coupling AC/DC	Audio Out AC/DC		
Output Port 3 RF Out/Dupl	DC FM Zero			

HP 8921A Cell Site Test Set: 12/20/99 02:11:00 PM

ADJACENT CHANNEL POWER				
TX Frequency MHz 869.000014		Upper ACP Ratio dB -40.84		
TX Power dBm 19.19		Lower ACP Ratio dB -39.93		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas 3 Ratio/Level	To Screen RF GEN
Tune Freq 869.000000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 4 30.000 kHz	RF ANL
	20 dB	2 8.00 kHz	Channel BW 5 30.000 kHz	AF ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				None

HP 8921A Cell Site Test Set: 12/20/99 02:12:00 PM

ADJACENT CHANNEL POWER				
TX Frequency MHz 869.000000		Upper ACP Ratio dB -54.34		
TX Power dBm 19.18		Lower ACP Ratio dB -54.21		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas 3 Ratio/Level	To Screen RF GEN
Tune Freq 869.000000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 4 30.000 kHz	RF ANL
	20 dB	2 8.00 kHz	Channel BW 5 30.000 kHz	AF ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				None

HP 8921A Cell Site Test Set: 12/20/99 02:12:00 pm

ADJACENT CHANNEL POWER				
TX Frequency MHz 868.999998		Upper ACP Ratio dB -60.65		
TX Power dBm 19.18		Lower ACP Ratio dB -60.36		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Frea 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT
Tune Freq 868.000000 MHz	Input Atten Auto/Hold 20 dB	AFGen1 To FM 8.00 kHz	Ch Offset + 30.000 kHz	
			Channel BW S 30.000 kHz	
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	More

HP 8921A Cell Site Test Set: 12/16/99 06:50:00 pm

L

AF ANALYZER				
TX Frequency MHz 881.499999		FM Deviation kHz 8.097		
TX Power dBm 20.16		AF Freq kHz 0.99997		
AF Anl In 1 FM Demod	Settling Slow/Fast	Gain Cntl Auto/Hold	Audio In Lo Gnd	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT
2 Filter 1	Pk Det To Filters	Input Gain 20 dB	Ext Load R 8.00	
3 Filter 2	Scope To Filters	De-Emph Gain 0 dB	AF Cnt Gate 50.0 ms	
4 >99kHz LP	Speaker Vol Pot/Off	Notch Gain 0 dB	DC Current Zero	More
5 De-Emphasis	Speaker ALC On/Off			
6 750 us/Off				
7 Detector				
8 RMS+SQRT2				

HP 8921A Cell Site Test Set: 12/16/99 06:53:00 pm

L

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.097		
TX Power dBm 20.13		AF Freq kHz 0.99998		
Tune Mode Auto/Manual	Input Port RF In/Ant	IF Filter 30 kHz	Ext TX Key On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 881.500000 MHz	Input Atten Auto/Hold 20 dB	Squelch Pot	TX Pwr Zero Zero	
Sensitivity Normal/High		RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/16/99 06:52:00 pm

L

AF ANALYZER				
TX Frequency MHz 881.500000		FM Deviation kHz 8.097		
TX Power dBm 20.13		Distn % 0.4		
AF Anl In FM Demod	Settling Slow/Fast	Gain Cntl Auto/Hold	Audio In Lo Gnd	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Filter 1	Pk Det To Filters	Input Gain 20 dB	Ext Load R 8.00 Ω	
C MESSAGE	Scope To Filters	De-Emph Gain 0 dB	AF Cnt Gate 50.0 ms	
Filter 2	Speaker Vol Pot/Off	Notch Gain 30 dB	DC Current Zero	
99kHz LP	Speaker ALC On/Off			
De-Emphasis				
750 us/Off				
Detector				
RMS+SQRT2				

HP 8921A Cell Site Test Set: 12/16/99 06:49:00 pm

L

RF GENERATOR				
TX Frequency MHz 881.500000		SNR dB 10 52.21 50		
TX Power dBm 20.16				
RF Gen Freq 1 MHz 881.500000	AFGen1 Freq 1 kHz 1.0000	AFGen2 Freq 1 kHz 1.0000	Mic Pre-Emp Auto/Hold On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude 2 dBm -10.0	AFGen1 To 4 kHz 8.00	AFGen2 To FM Off	Mod In To FM (/Vpk) Off	
Atten Hold On/Off	FM Coupling AC/DC DC FM Zero	Audio Out AC/DC		
Output Port 3 RF Out/Dupl				

HP 8921A Cell Site Test Set: 12/16/99 07:02:00 pm

L

Input value out of range.

RF GENERATOR				
TX Frequency MHz 881.500442		FM Deviation kHz 7.820		
TX Power dBm -14.24		SINAD dB 8 12.09 24		
RF Gen Freq 1 MHz 881.500000	AFGen1 Freq 1 kHz 1.0000	AFGen2 Freq 1 kHz 1.0000	Mic Pre-Emp Auto/Hold On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude 2 dBm -81.0	AFGen1 To 4 kHz 8.00	AFGen2 To FM Off	Mod In To FM (/Vpk) Off	
Atten Hold On/Off	FM Coupling AC/DC DC FM Zero	Audio Out AC/DC		
Output Port 3 RF Out/Dupl				

HP 8921A Cell Site Test Set: 12/16/99 07:07:00 PM

L

ADJACENT CHANNEL POWER				
TX Frequency MHz 881.500000		Upper ACP Ratio dB -40.92		
TX Power dBm 20.05		Lower ACP Ratio dB -41.14		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 881.500000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 30.000 kHz	RF ANL
	20 dB	8.00 kHz	Channel BW 30.000 kHz	RF ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/16/99 07:07:00 PM

L

ADJACENT CHANNEL POWER				
TX Frequency MHz 881.500000		Upper ACP Ratio dB -53.96		
TX Power dBm 20.05		Lower ACP Ratio dB -54.66		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 881.500000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset 60.000 kHz	RF ANL
	20 dB	8.00 kHz	Channel BW 30.000 kHz	RF ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/16/99 07:09:00 pm

L

ADJACENT CHANNEL POWER

TX Frequency MHz 881.500000		Upper ACP Ratio dB -60.75		
TX Power dBm 20.03		Lower ACP Ratio dB -61.24		

Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 881.500000 MHz	Input Atten Auto/Hold 20 dB	AFGen1 To FM 8.00 kHz	Ch Offset 90.000 kHz	
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Channel BW 30.000 kHz	
		Res BW 300 Hz		

HP 8921A Cell Site Test Set: 12/20/99 02:14:00 pm

RF GENERATOR

TX Frequency MHz 894.000000		FM Deviation kHz 8.110		
TX Power dBm 19.92		AF Freq kHz 0.99998		

RF Gen Freq 894.000000 MHz	AFGen1 Freq 1.0000 kHz	AFGen2 Freq 1.0000 kHz	Mic Pre-Emp Auto/Hold On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude -6.0 dBm	AFGen1 To FM 8.00 kHz	AFGen2 To FM Off	Mod In To FM (1/Vpk) Off	
Atten Hold On/Off	FM Coupling AC/DC DC FM Zero	Audio Out AC/DC		
Output Port RF Out/Dupl				

HP 8921A Cell Site Test Set: 12/20/99 02:15:00 pm

RF ANALYZER				
TX Freq Error kHz 0.000		FM Deviation kHz 8.109		
TX Power dBm 19.92		RF Freq kHz 0.99996		
Tune Mode 1 Auto/Manual	Input Port 3 RF Ig/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 894.000000 MHz	Input Atten Auto/Hold 20 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 02:15:00 pm

RF ANALYZER				
TX Frequency MHz 894.000000		FM Deviation kHz 8.110		
TX Power dBm 19.91		Distn % 0.4		
Tune Mode 1 Auto/Manual	Input Port 3 RF Ig/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 894.000000 MHz	Input Atten Auto/Hold 20 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 02:16:00 pm

RF ANALYZER				
TX Frequency MHz 894.000050		SNR dB 10 52.67 50		
TX Power dBm 19.91				
Tune Mode 1 Auto/Manual	Input Port 3 RF In/Ant	IF Filter 4 30 kHz	Ext TX Key 5 On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Tune Freq 2 894.000000 MHz	Input Atten Auto/Hold 20 dB	Squelch Pot	TX Pwr Zero Zero	
	Sensitivity Normal/High	RF Cnt Gate 50.0 ms		

HP 8921A Cell Site Test Set: 12/20/99 02:18:00 pm

RF GENERATOR				
TX Frequency MHz 894.000281		FM Deviation kHz 7.857		
TX Power dBm -----		SINAD dB 8 12.36 24		
RF Gen Freq 1 894.000000 MHz	AFGen1 Freq 1.0000 kHz	AFGen2 Freq 1.0000 kHz	Mic Pre-Emph Auto/Hold On/Off	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More
Amplitude 2 -78.5 dBm	AFGen1 To 4 FM kHz 8.00	AFGen2 To FM Off	Mod In To FM (/Vpk) Off	
Atten Hold On/Off	FM Coupling AC/DC DC FM Zero	Audio Out AC/DC		
Output Port 3 RF Out/Dupl				

HP 8921A Cell Site Test Set: 12/20/99 02:20:00 PM

ADJACENT CHANNEL POWER				
TX Frequency MHz 894.000000		Upper ACP Ratio dB -40.00		
TX Power dBm 19.91		Lower ACP Ratio dB -40.73		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 894.000000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset + 30.000 kHz	RF ANL
	20 dB	8.00 kHz	Channel BW 30.000 kHz	AF ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

HP 8921A Cell Site Test Set: 12/20/99 02:19:00 PM

ADJACENT CHANNEL POWER				
TX Frequency MHz 894.000000		Upper ACP Ratio dB -54.97		
TX Power dBm 19.91		Lower ACP Ratio dB -54.87		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN
Tune Freq 894.000000 MHz	Input Atten Auto/Hold	AFGen1 To FM	Ch Offset + 30.000 kHz	RF ANL
	20 dB	8.00 kHz	Channel BW 30.000 kHz	AF ANL
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	SCOPE
				SPEC ANL
				ENCODER
				DECODER
				RADIO INT
				More

ADJACENT CHANNEL POWER				
TX Frequency MHz 894.000001		Upper ACP Ratio dB -61.35		
TX Power dBm 19.91		Lower ACP Ratio dB -61.51		
Tune Mode Auto/Manual	Input Port RF In/Ant	AFGen1 Freq 1.0000 kHz	ACP Meas Ratio/Level	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT
Tune Freq 1 894.000000 MHz	Input Atten Auto/Hold 20 dB	AFGen1 To FM 8.00 kHz	Ch Offset 4 90.000 kHz	
			Channel BW 5 30.000 kHz	
TX Pwr Zero Zero	Ext TX Key On/Off	Carrier Ref Unmod/Mod	Res BW 300 Hz	More