

NAM features can be programmed as follows:

Notes:

- If you enter the NAM program mode, each item shows the currently stored data. Go to the next item by pressing <OK/ >.
- You can modify the data by entering a new data.
- If you enter a wrong digit, press <CLR> to delete the last digit. Press and hold <CLR> to delete all digits.
- To scroll items backwards or forwards, press the **VOLUME** button on the left side of the phone.

4.1. General Setup

LCD Display	Key in	Function
	MENU,8,2,0	-selects NAM programming
Enter Lock	2 222222	
SVC Menu2 1:Phone# 2:General 3:NAM	-choose 'GENERAL'	
ESN B0000000	Volume	-Electronic Serial Number of the phone is displayed.
CAI version 1	Volume	-Common Air Interface version is displayed
SCM 01101010	Volume	-Station Class Mark displays the power class, transmission, slotted class, dual mode.
Lock Code 0000	4-digit code OK/	Lock code, current status is displayed. -to change, enter new code. -stores it
Slot Mode Yes	OK/	Slot mode. 'Yes' indicates the slot mode. -changes the status. -stores it.
Slot Index 2	0-7 OK/	Slot mode index. The higher, the longer sleeping time -to change,enter new one. -stores it.

4.2. Setting Up NAM1

LCD Display	Key in	Function
Svc Menu 1:PCS Phone # 2:General 3:NAM	Volume	NAM Programming Menu is displayed
Svc Menu 3:NAM	3	choose 'Setup NAM'
IMSI_MCC 310	number OK	IMSI Mobile Country Code, current code is displayed. -to change,enter new one. -stores it.
IMSI_MNC 00	number OK/••	IMSI Mobile Network Code, current code is displayed. -to change, enter new one. -stores it.
CDMA ACCOLC 0	class number OK/••	CDMA Access Overload Class, current status is displayed. -to change, enter new one. -stores it.
CDMA Home SID Yes	↑ OK/••	CDMA Home system ID, current status is displayed -changes the status. -stores it.
CDMA fSID Yes	↑ OK/••	CDMA foreign SID, current status is displayed. -changes the system. -stores it.
CDMA fNID Yes	↑ OK/••	CDMA foreign NID, current status is displayed. -changes the system. -stores it.
Home SID 4120	number OK/••	first SID written in the list, current status is displayed. -to change, enter new one. -stores it.
NID 65535	number OK/••	first NID written in the list, current status is displayed. -to change, enter new one. -stores it.

5. Test Procedure

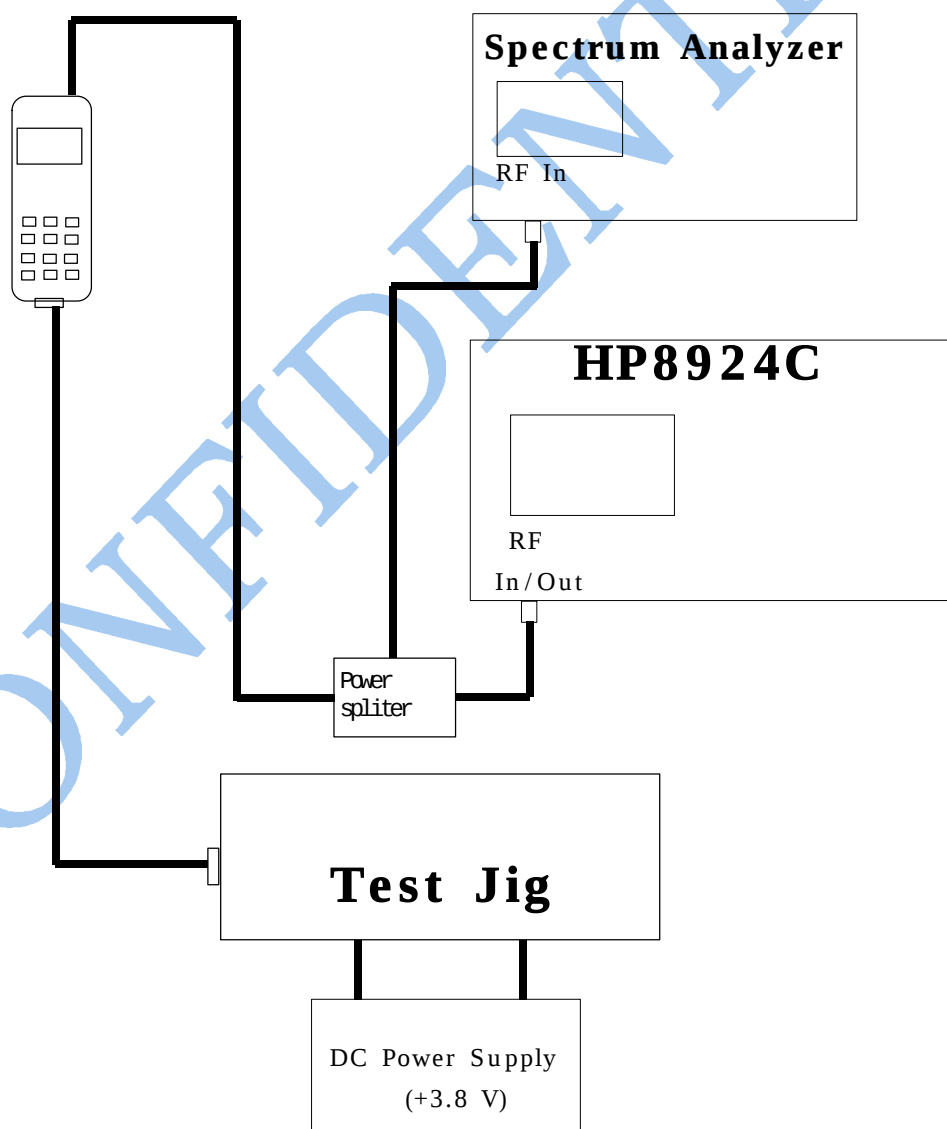
- Test Command

CONFIDENTIAL

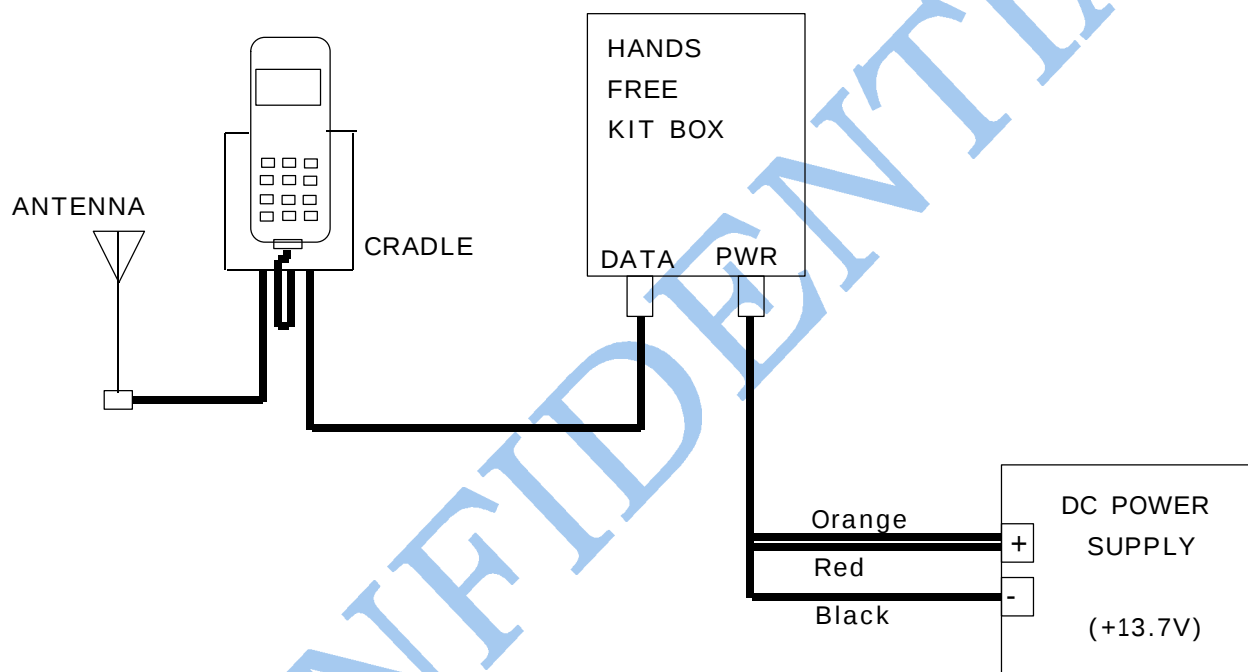
List of Equipments

- DC Power Supply
 - Test Jig
 - Test Cable
 - CDMA Mobile Station Test Set
 - Spectrum Analyzer(include CDMA test mode)
- HP8924C, HP83236A,
CMD-80, etc
HP8596E

Configuration of Test



Configuration of Test(Hands-Free)



Test Mode

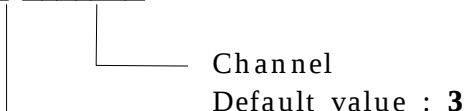
A. To change the phone's state from Normal Mode to Test Mode, You should enter the following keys.

"4 7 * 8 6 9 # 1 2 3 5"

B. Press the keys "0 1"(Suspend) always in the Test Mode.

C. The command "2 0" is mode and channel change, press <OK/••> to save.

"3 0 6 0 0"



D. To finish the Test Mode, You should enter the command "0 2".

Channel Selection & Adjustment of the Transmit Power Level

A. Enter to Test Mode.

B. Press the keys i°0 1i±(Suspend) always in the Test Mode.

E. "0 9 0 6 0 0 #" : Set to '0600' channel.

F. "0 7" : Carrier On.

G. "3 4" : Spread spectrum to 1.23MHz band width.

H. "7 1 * * * " : Output RF power level is set power level 2

" * * * " means AGC level and AGC level range is from 000 to 511.

MAX Power Code

	25	600	1175
Set #1	428	309	475
Set #2	418	411	473

SCH-6100 TEST COMMAND TABLE

COMMAND NO (OP,AB,RB)	COMMAND SW NO	DESCRIPTION
01(1F,0,0)	T_SUSPEND_I	Enter to test menu
02(3F,0,0)	T_RESTART_I	Escape from test menu
03(FD,0,0)	T_SAVE_VAL_I	Save values in EEPROM only in auto test
04(1D,0,1)	T_GET_MODE_I	Get mode CDMA/FM
05(1C,1,0)	T_SET_MODE_I	Set mode CDMA/FM
06(1E,0,0)	T_WRITE_NV_I	Write the EEPROM item
07(81,0,0)	T_CARRIERON_I	Turn on the carrier
08(82,0,0)	T_CARRIEROFF_I	Turn off the carrier
09(83,4,0)	T_LOADSYN_I	Load the synthesizer for locking
10(84,1,0)	T_PWRLEVEL_I	Change RF power level
11(85,0,0)	T_RXMUTE_I	Mute RX audio
12(86,0,0)	T_RXUNMUTE_I	Unmute RX audio
13(87,0,0)	T_TXMUTE_I	Mute TX audio
14(88,0,0)	T_TXUNMUTE_I	Unmute TX audio
16(8F,0,0)	T_STON_I	Transmit a continuous Signaling Tone(ST)
17(90,0,0)	T_STOFF_I	Stop transmit a continuous Signaling Tone(ST)
18(AE,2,0)	T_LCD_CONTRAST_I	LCD Contrast control
20(94,5,0)	T_TEST_SYS_I	Roam Test System
22(91,96,96)	T_SNDNAM_I ¹⁾	Display & Send NAM Information
23(95,3,4)	T_SNDVERSION_I ¹⁾	Display & Send Software Version
24(9F,7,8)	T_SNDESN_I ¹⁾	Display & return ESN
25(92,0,0)	T_BACKLIGHT_ON_I	Backlight on
26(93,0,0)	T_BACKLIGHT_OFF_I	Backlight off
27(96,0,0)	T_LAMP_ON_I	LAMP on
28(97,0,0)	T_LAMP_OFF_I	LAMP off
29(9A,0,0)	T_REBUILD_I	Rebuilding EEPROM
30(9D,15,0)	T_PLINE_I	Display and return production date
32(A0,1,0)	T_SATON_I ²⁾	Enable the transmission of SAT
33(A1,0,0)	T_SATOFF_I	Disable the transmission of SAT
34(A2,0,0)	T_CDATA_I	Continuously send TX Control data
35(A3,3,0)	T_VOLUME_UP_I	Electric Volume Up
36(A4,3,0)	T_VOLUME_DOWN_I	Electric Volume Down
38(A6,3,0)	T_PCS_CH_FLATNESS_BP_ON_I	
39(A7,3,0)	T_TXRAS_ADJ_BP_ON_I	TX ras table adjust
40(A8,0,3)	T_RXRAS_FLAT_AUTO_I	
41(A9,3,0)	T_RXRAS_FLATNESS_I	Sets RXAdjust RX RAS
42(AA,1,0)	T_DTMFON_I ²⁾	Turn on DTMF
43(AB,0,0)	T_DTMFOFF_I	Turn off DTMF
44(B0,0,0)	T_COMPANDORON_I	Turn on compander
45(B1,0,0)	T_COMPANDOROF_I	Turn off compander
46(B2,0,0)	T_FM_VCLINE_I	Enter FM voice state

COMMAND NO (OP,AB,RB)	COMMAND SW NO	DESCRIPTION
47(B3,3,0)	T_FM_AUD_GAIN_I	FM audio gain
48(B4,0,0)	T_VIBRATOR_ON_I	Activate a vibrator
49(B5,0,0)	T_VIBRATOR_OFF_I	Inactivate a vibrator
50(B6,0,4)	T_BATT_TYPE_I	Battery Type
52(B9,2,2)	T_HW_VERSION_I	HW version
55(AC,1,0)	T_EXT_AUDIO_I	External Audio Path On/Off
57(BC,0,0)	T_MIC_ON_I	Mute MIC Path
58(BD,0,0)	T_MIC_OFF_I	Unmute MIC Path
59(BE,0,0)	T_ALLPATH_I	Tune on the all audio path
60(BF,3,0)	T_FM_TX_GAIN_I ⁽²⁾⁽³⁾	AMPS Tx Audio Gain Control
61(C0,3,0)	T_FM_RX_GAIN_I ⁽²⁾⁽³⁾	AMPS Rx Audio Gain Control
62(C1,3,0)	T_DTMF_VOL_TX_I ⁽²⁾⁽³⁾	AMPS Tx DTMF Gain Control
63(C2,3,0)	T_TX_LIMITER_I ⁽²⁾⁽³⁾	AMPS Tx Limiter Gain Control
64(C3,3,0)	T_FM_SAT_LEVEL_I ⁽²⁾⁽³⁾	AMPS Tx SAT level Control
65(C4,3,0)	T_FM_FREQ_SGAIN_I ⁽²⁾⁽³⁾	AMPS Tx Master Gain Control
66(C5,3,0)	T_FM_ST_GAIN_I ⁽²⁾⁽³⁾	AMPS Tx ST Gain Control
67(C6,3,6)	T_READ_BATT_I ⁽¹⁾	Saved Low battery value read
68(C8,0,3)	T_VBATT1_I ⁽³⁾	Set the low battery position in the standby
69(C9,0,3)	T_VBATT2_I ⁽³⁾	Set the low battery position in the talking
70(CA,3,0)	T_WRITE_BATT_I ⁽³⁾⁽³⁾	write a BATT
71(D1,3,0)	T_CDMA_TXADJ_I ⁽²⁾	Sets TX_agc_adj for CDMA mode
72(D2,3,0)	T_FM_TXADJ_I ⁽²⁾	Sets TX_agc_adj for fm mode
73(D3,1,0)	T_SET_PA_R_I ⁽²⁾	Sets PA R1, R0 range bits
74(D4,3,0)	T_TXRAS_ADJ_I	TX RAS table adjust
75(D5,0,3)	T_READ_RSSI_I ⁽³⁾	Read a RSSI
76(D6,3,0)	T_WRITE_RSSI_I ⁽³⁾	Write a RSSI
77(D7,0,3)	T_READ_TEMP_I	Read a temperature
78(D8,0,3)	T_RXRAS_AUTO_I	Adj RXRAS from 8924C
79(D9,1,0)	T_BUZZER_ON_I ⁽²⁾	Buzzer on
80(DA,0,0)	T_BUZZER_OFF_I	Buzzer off
81(E3,0,0)	T_VOC_PCMLPON_I	Turn on to play a PCM LOOP BACK
82(E4,0,0)	T_VOC_PCMLPOFF_I	Turn off to play a PCM LOOP BACK
83(E5,0,0)	T_BYPASS_ON_I	Turn on the bypass mode
84(E6,0,0)	T_BYPASS_OFF_I	Turn off the bypass mode
85(E7,0,0)	T_SPEAKER_ON_I	Turn on the speaker path
86(E8,0,0)	T_SPEAKER_OFF_I	Turn off the speaker path
87(E9,0,0)	T_FM_LOOP_TEST_I	FM loop back
88(EA,3,0)	T_TRK_ADJ_I ⁽³⁾	TRK LOCAL ADJUST
89(EB,3,0)	T_CDTRK_ADJ_I	CDMA TRK LOCAL ADJUST

COMMAND NO (OP,AB,RB)	COMMAND SW NO	DESCRIPTION
90(F0,2,0)	T_HW_CHANFLAT_I	-----
91(F1,4,0)	T_SW_CHANFLAT_I	-----
92(F2,3,0)	T_FM_TX_PWR_I	Setting the volume for power level 2
93(F3,3,0)	T_CH_FLATNESS_I	
94(EF,3,0)	T_RXRAS_ADJ_I	
95(F4,4,0)	T_PCS_HW_CHANFLAT_I	
96(F5,4,0)	T_PCS_SW_CHANFLAT_I	
97(F6,3,0)	T_PCS_CH_FLATNESS_I	
98(F7,3,0)	T_PCS_CH_MAX_MIN_I	Edge Channel Max/Min Power Code
99(FC,3,0)	T_SND_GAIN_I	
100(FF,0,0)	T_MAX_I	

- 1) The AB(Input Argument Byte Number) values of these commands are used only in the manual test. In automatic test mode, the AB is regard as 0.
- 2) You can assign the value for these commands.
If the AB value is assigned without argument, the test is achieved with the value stored in EEPROM.
- 3) After you get a desired test value by performing these commands, if you want to save the value into the corresponding position.

*OP: Operation Command Number
AB: Input Argument Byte Number
RB: Return Byte Number

*SAT32, 33 are not operating in MSM@ CHIP test

*46 command is required in Rx, and Tx path test at AMPS mode