

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.

General Setup

LCD Display	Key in	Function
	47*869#08#9	-selects NAM programming
NAM program 1:General 2:Setup NAM1	1	-choose 'GENERAL'
ESN 9F031F77	Volume ;å	-Electronic Serial Number of the phone is displayed
CAI version 2	Volume ;å	-Common Air Interface version is displayed
VOC8/13/EVRC SO_VOIC_EVRC	Volume ;å	
SCM 01101010	Volume;å	-Station Class Mark displays the power class, transmission, slotted class, dual mode.
Lock Code 0000	4-digit code OK	Lock code, current ststus is displayed -to change, enter new code. -stores it
Slot Mode	Yes ¢,or¢° 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 -changes the status. -stores it
Pref NAM1... Digital pref	¢,or¢° OK	Preferred system selection for NAM1 -changes the system. -stores it.
Pref NAM2... Digital pref	¢,or¢° OK	Preferred system selection for NAM2 -changes the system. -stores it.
Pref NAM3... Digital pref	¢,or¢° OK	Preferred system selection for NAM3 -changes the system. -stores it.

LCD Display	Key in	Function
Pref NAM4... Digital pref	☐, or ☐ OK	Preferred system selection for NAM4 -changes the system. -stores it.

Setting Up NAM1

LCD Display	Key in	Function
NAM Program 1:General 2:Setup NAM1 3:Setup NAM2 4:Setup NAM3 5:Setup NAM4	2	-Choose 'Setup NAM1.'
Setup NAM1 1:Phone # 2:FM 3:CDMA	1	-Choose 'Phone #'
Phone # 1234567890	phone number OK	Phone number currently used. -to change, enter new one. -stores it.
Mobile ID # 3003003000	mobile ID number OK	Mobile ID number currently used. -to change, enter new one. -stores it.
Setup NAM1 1:Phone # 2:FM 3:CDMA	2	-Choose 'FM'
FM HOME SID 4369	ID number OK	System ID for home, current status is displayed. -to change, enter new one. -stores it.
FM 1st Chn 333	Channel number OK	Current 1st paging channel -to change, enter new one. -stores it.
FM Acq SID1 4	ID number OK	Acquisition systemID 1,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID2 0	ID number OK	Acquisition systemID 2,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID3 0	ID number OK	Acquisition systemID 3,Current status is displayed. -to change, enter new one. -stores it.

LCD Display	Key in	Function
FM Acq SID4 0	ID number OK	Acquisition systemID 4,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID5 0	ID number OK	Acquisition systemID 5,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID6 0	ID number OK	Acquisition systemID 6,Current status is displayed. -to change, enter new one. -stores it.
FM LockSID 1 0	ID number OK	Lock system ID 1, current status is displayed. -to change, enter new one. -stores it.
FM LockSID 2 0	ID number OK	Lock system ID 2, current status is displayed. -to change, enter new one. -stores it.
FM LockSID 3 0	ID number OK	Lock system ID 3, current status is displayed. -to change, enter new one. -stores it.
FM LockSID 4 0	ID number OK	Lock system ID 4, current status is displayed. -to change, enter new one. -stores it.
FM LockSID 5 0	ID number OK	Lock system ID 5, current status is displayed. -to change, enter new one. -stores it.
FM LockSID 6 0	ID number OK	Lock system ID 6, current status is displayed. -to change, enter new one. -stores it.
Auto Reg Yes	☐,or☐ OK	FM Registration, current status is displayed. -changes the status. 'YES' to enable, 'NO' to disable. -stores it.
FM preq... A only	☐,or☐ OK	Preferred system selection, current status is displayed. -changes the status. 'YES' to enable, 'NO' to disable. -stores it.
FM ACCOLC 0	☐,or☐ OK	Current Access Overload Class. -changes the status. -stores it.

LCD Display	Key in	Function
Setup NAM1 1:Phone # 2:FM 3:CDMA	3	-Choose 'CDMA'
IMSI_MCC 000	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 preq... A only	☞ ,or ☞° OK	Preferred system selection, current status is displayed. -changes the system. -stores it.
CDMA ACCOLC 0	class number OK	CDMA Access Overload Class,current status is displayed. -to change,enter new one. -stores it.
Pchn Sys A 779	channel number OK	Preferred channel currently used under system A -to change,enter new one. -stores it.
Pchn Sys B 779	channel number OK	Preferred channel currently used under system B -to change,enter new one. -stores it.
Schn Sys A 738	channel number OK	Second channel currently used under system A -to change,enter new one. -stores it.
Schn Sys B 738	channel number OK	Second channel currently used under system B -to change,enter new one. -stores it.
CD Acq SID 1 0	ID number OK	1st Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD Acq SID 2 0	ID number OK	2nd Acquisition system ID,current status is displayed -to change,enter new one. -stores it.

LCD Display	Key in	Function
CD Acq SID 3 0	ID number OK	3rd Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD Acq SID 4 0	ID number OK	4th Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD Acq SID 5 0	ID number OK	5th Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD Acq SID 6 0	ID number OK	6th Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 1 0	ID number OK	1st lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 2 0	ID number OK	2nd lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 3 0	ID number OK	3rd lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 4 0	ID number OK	4th lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 5 0	ID number OK	5th lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 6 0	ID number OK	6th lock system ID,current status is displayed -to change,enter new one. -stores it.
CDMA HOME SID Yes	☐ ,or ☐ OK	CDMA Home system ID, current status is displayed. -changes the status. -stores it.

LCD Display	Key in	Function
CDMA fSID Yes	☎,or☎° OK	CDMA foreign SID, current ststus is displayed. -changes the status. -stores it.
CDMA fNID Yes	☎,or☎° OK	CDMA foreign NID, current ststus is displayed. -changes the status. -stores it.
SID #1 2222	number OK	first SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #1 1	number OK	first NID written in the list,current status is displayed -to change,enter new one. -stores it.
SID #2 2222	number OK	2nd SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #2 2	number OK	2nd NID written in the list,current status is displayed -to change,enter new one. -stores it.
SID #3 2222	number OK	3rd SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #3 3	number OK	3rd NID written in the list,current status is displayed -to change,enter new one. -stores it.
SID #4 2222	number OK	4th SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #4 3	number OK	4th NID written in the list,current status is displayed -to change,enter new one. -stores it.
Setup NAM1 1:Phone # 2:FM 3:CDMA		LCD returns to the NAM1 setup mode.

Setting Up NAM2

LCD Display	Key in	Function
NAM Program 1:General 2:Setup NAM1 3:Setup NAM2 4:Setup NAM3 5:Setup NAM4	3	-Choose 'Setup NAM2.'
Setup NAM1 1:Phone # 2:FM 3:CDMA	1	-Choose 'Phone #'
Phone # 1234567890	phone number OK	Phone number currently used. -to change, enter new one. -stores it.
Mobile ID # 3003003000	mobile ID number OK	Mobile ID number currently used. -to change, enter new one. -stores it.
Setup NAM1 1:Phone # 2:FM 3:CDMA	2	-Choose 'FM'
FM HOME SID 4369	ID number OK	System ID for home, current status is displayed. -to change, enter new one. -stores it.
FM 1st Chn 333	Channel number OK	Current 1st paging channel -to change, enter new one. -stores it.
FM Acq SID1 4	ID number OK	Acquisition systemID 1,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID2 0	ID number OK	Acquisition systemID 2,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID3 0	ID number OK	Acquisition systemID 3,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID4 0	ID number OK	Acquisition systemID 4,Current status is displayed. -to change, enter new one. -stores it.
FM Acq SID5 0	ID number OK	Acquisition systemID 5,Current status is displayed. -to change, enter new one. -stores it.

LCD Display	Key in	Function
Setup Acq SID 1 1:Phone # 0	3 ID number OK	Acquisition system ID 6,Current status is displayed. -to change, enter new one. -stores it.
3:CDMA FM LockSID 1 IMSI_MCC 0 000	ID number OK	Lock system ID 1, current status is displayed. IMSI Mobile Country Code,current code is displayed. -to change, enter new one.
FM LockSID 2 0	number OK	Lock system ID 2, current status is displayed. -to change, enter new one.
IMSI_MNC 00	ID number OK	IMSI Mobile Network Code,current code is displayed.
FM LockSID 3 0	number OK	Lock system ID 3, current status is displayed. -to change, enter new one. -stores it.
CDMA preq... FM LockSID 4 A only 0	number OK	Preferred system selection, current status is displayed. Lock system ID 4, current status is displayed. -to change, enter new one. -stores it.
CDMA ACCOLC 0	ID number OK	CDMA Access Overload Class,current status is displayed. Lock system ID 5, current status is displayed. -to change, enter new one. -to change,enter new one. - stores it.
FM LockSID 6 Pchn Sys A 0 779	ID number channel number OK	Lock system ID 6, current status is displayed. Preferred channel currently used under system A -to change, enter new one. -to change,enter new one. - stores it.
Auto Reg Pchn Sys B Yes 779	channel number OK	FM Registration, current status is displayed. Preferred channel currently used under system B -changes the status. - to change,enter new one 'YES' to enable, 'NO' to disable. - stores it. -stores it.
Schn Sys A FM preq... 738 A only	channel number OK	Second channel currently used under system A Preferred channel selection, current status is displayed. -changes the status. 'YES' to enable, 'NO' to disable.
Schn Sys B 738	channel number OK	Second channel currently used under system B -to change,enter new one.
FM ACCOLC	OK	Current Access Overload Class.
CD Acq SID 1 0	channel number OK	changes the status. 1st Acquisition system ID,current status is displayed
	ID number OK	-to change,enter new one. - stores it.
CD Acq SID 2 0	ID number OK	2nd Acquisition system ID,current status is displayed -to change,enter new one. - stores it.

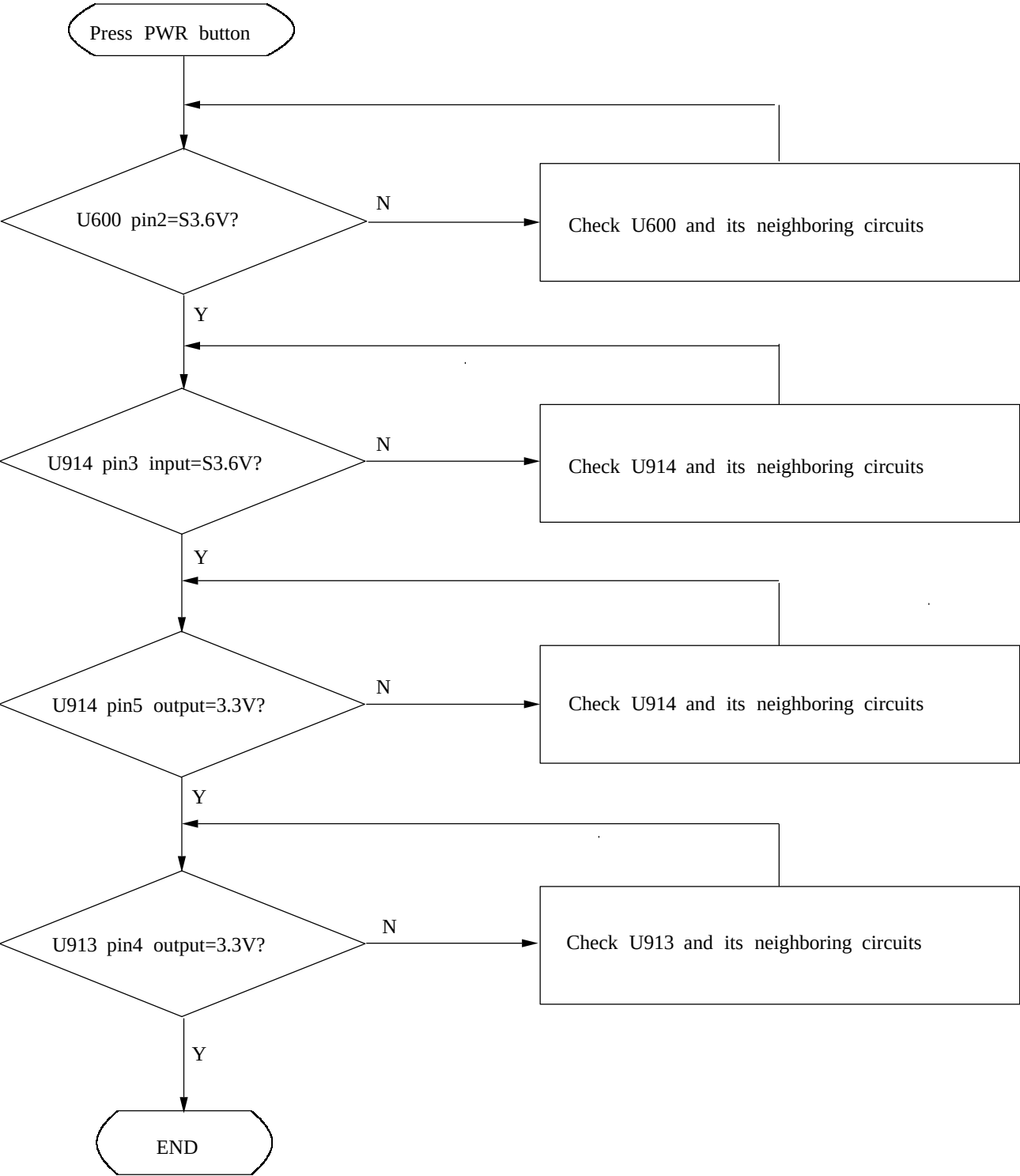
LCD Display	Key in	Function
CD Acq SID 3 0	ID number OK	3rd Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD Acq SID 4 0	ID number OK	4th Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD Acq SID 5 0	ID number OK	5th Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD Acq SID 6 0	ID number OK	6th Acquisition system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 1 0	ID number OK	1st lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 2 0	ID number OK	2nd lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 3 0	ID number OK	3rd lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 4 0	ID number OK	4th lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 5 0	ID number OK	5th lock system ID,current status is displayed -to change,enter new one. -stores it.
CD lockSID 6 0	ID number OK	6th lock system ID,current status is displayed -to change,enter new one. -stores it.
CDMA HOME SID Yes	☐ ,or ☐ OK	CDMA Home system ID, current sttus is displayed. -changes the status. -stores it.

LCD Display	Key in	Function
CDMA fSID Yes	☎,or☎ OK	CDMA foreign SID, current ststus is displayed. -changes the status. -stores it.
CDMA fNID Yes	☎,or☎ OK	CDMA foreign NID, current ststus is displayed. -changes the status. -stores it.
SID #1 2222	number OK	first SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #1 1	number OK	first NID written in the list,current status is displayed -to change,enter new one. -stores it.
SID #2 2222	number OK	2nd SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #2 2	number OK	2nd NID written in the list,current status is displayed -to change,enter new one. -stores it.
SID #3 2222	number OK	3rd SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #3 3	number OK	3rd NID written in the list,current status is displayed -to change,enter new one. -stores it.
SID #4 2222	number OK	4th SID written in the list,current status is displayed -to change,enter new one. -stores it.
NID #4 3	number OK	4th NID written in the list,current status is displayed -to change,enter new one. -stores it.
Setup NAM2 1:Phone # 2:FM 3:CDMA		LCD returns to the NAM1 setup mode. If required press RCL and go on to NAM3 or NAM4 programming in the same way.

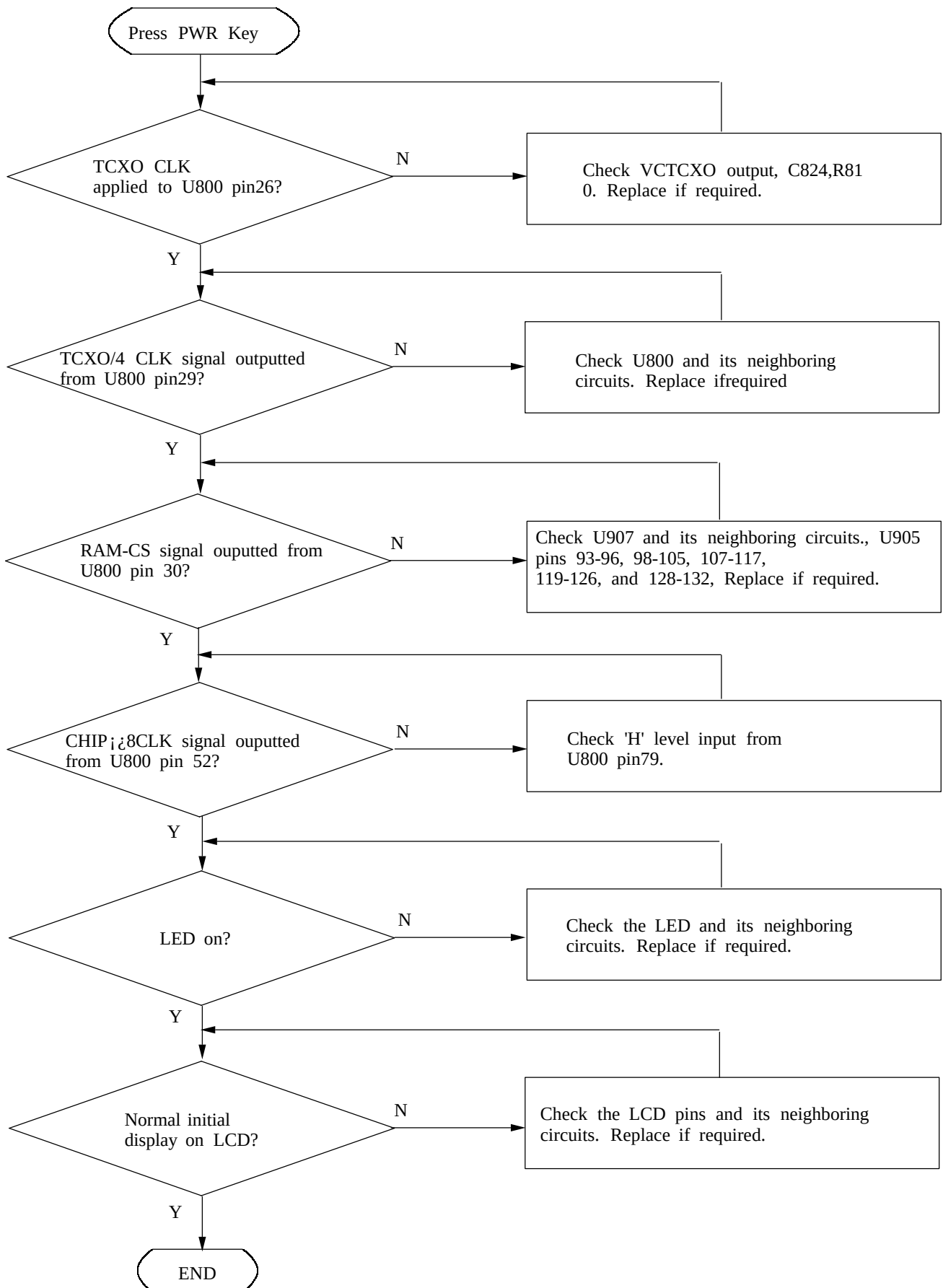
4. TROUBLESHOOTING

Logic Section

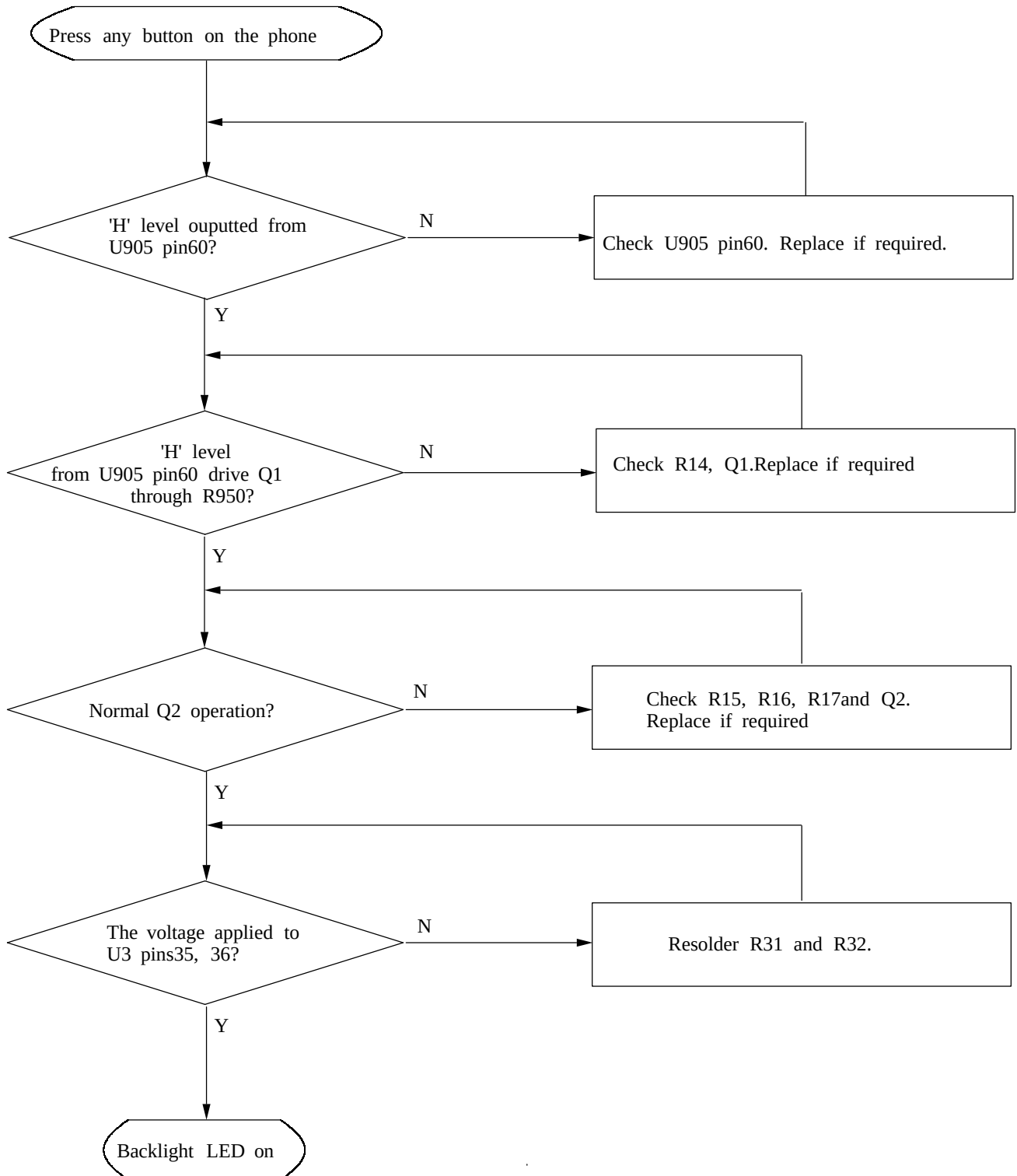
No Power



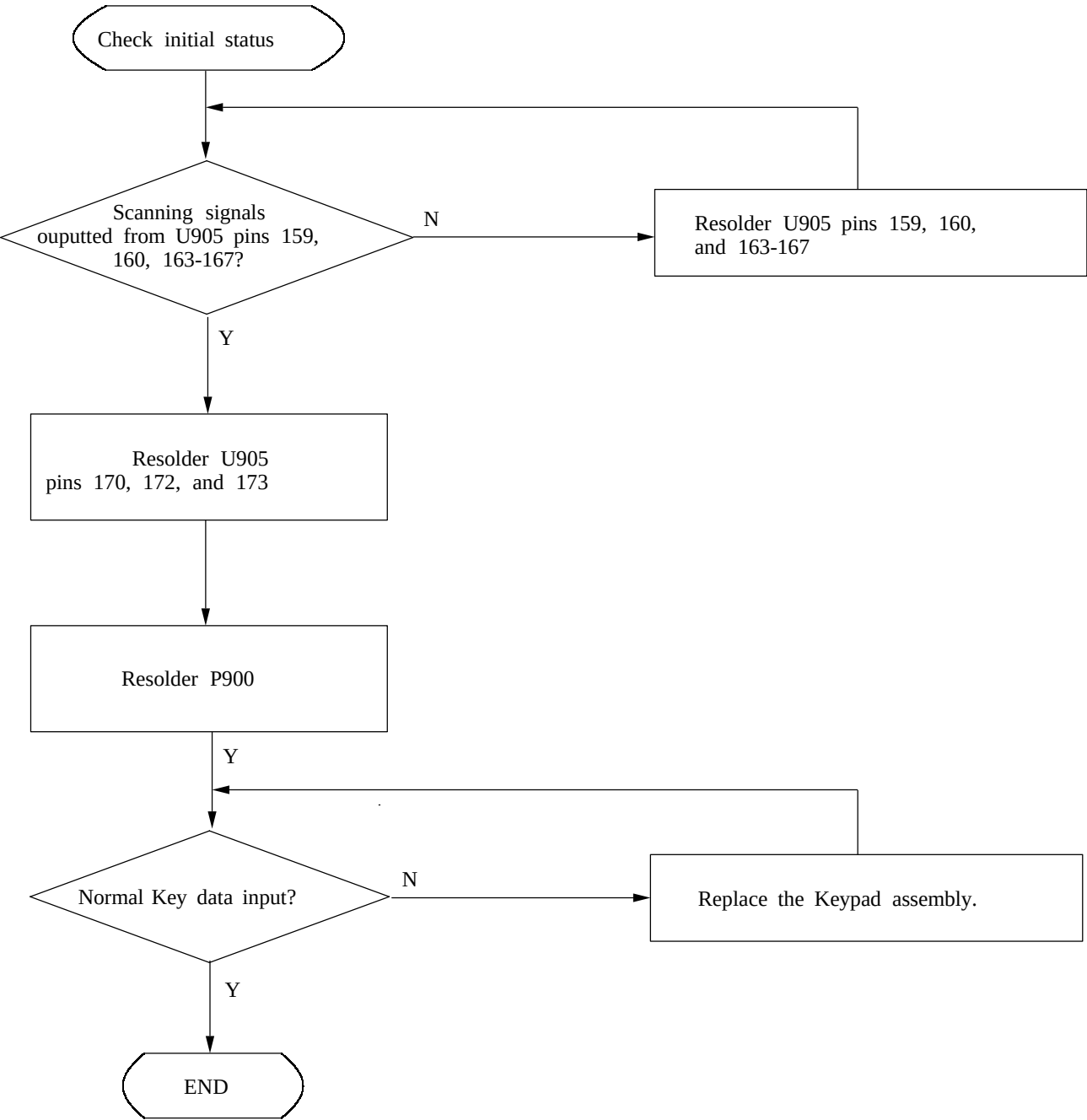
Abnormal initial operation(Normal +3.3V voltage source)



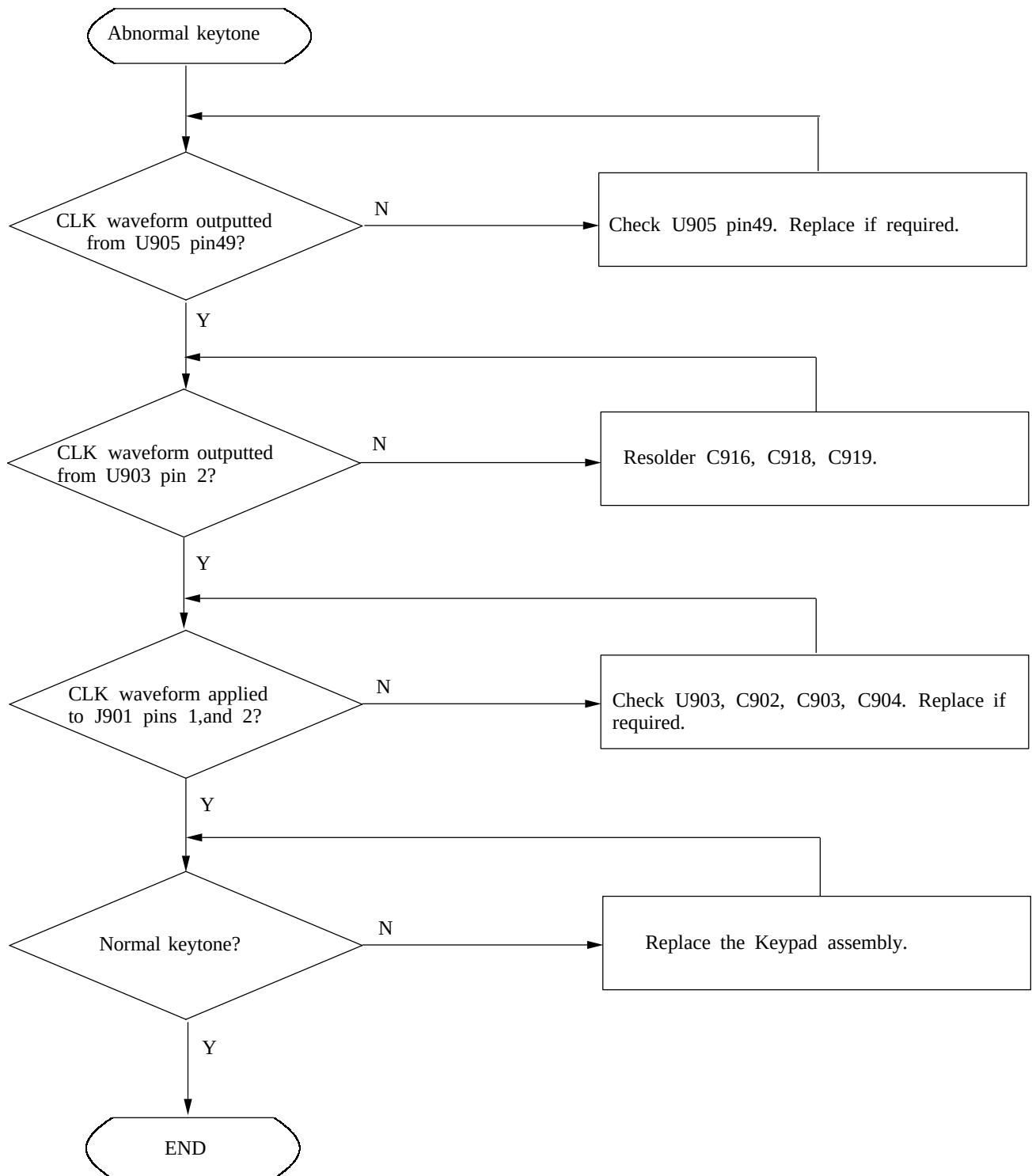
Abnormal Backlight Operation



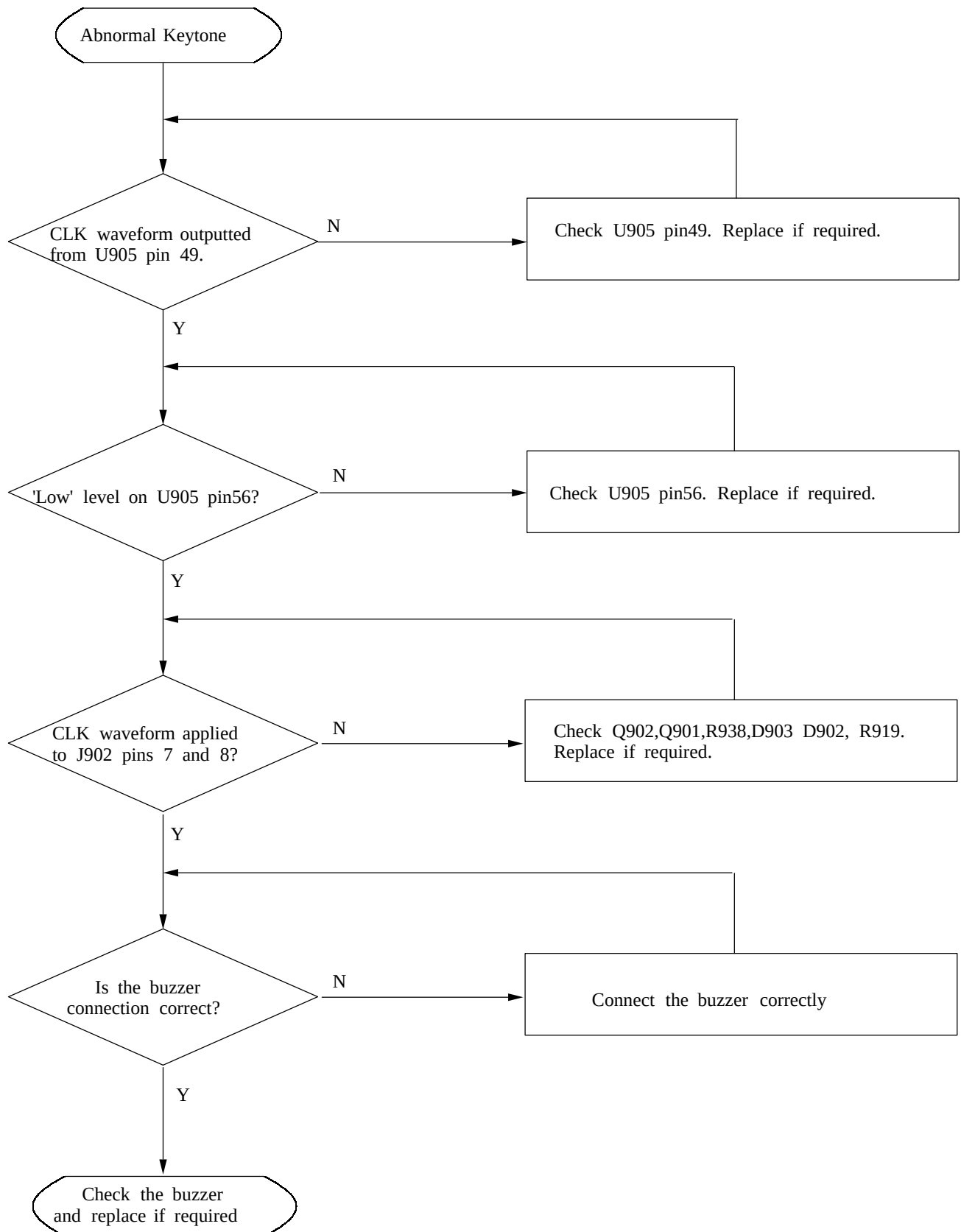
Abnormal Key Data Input



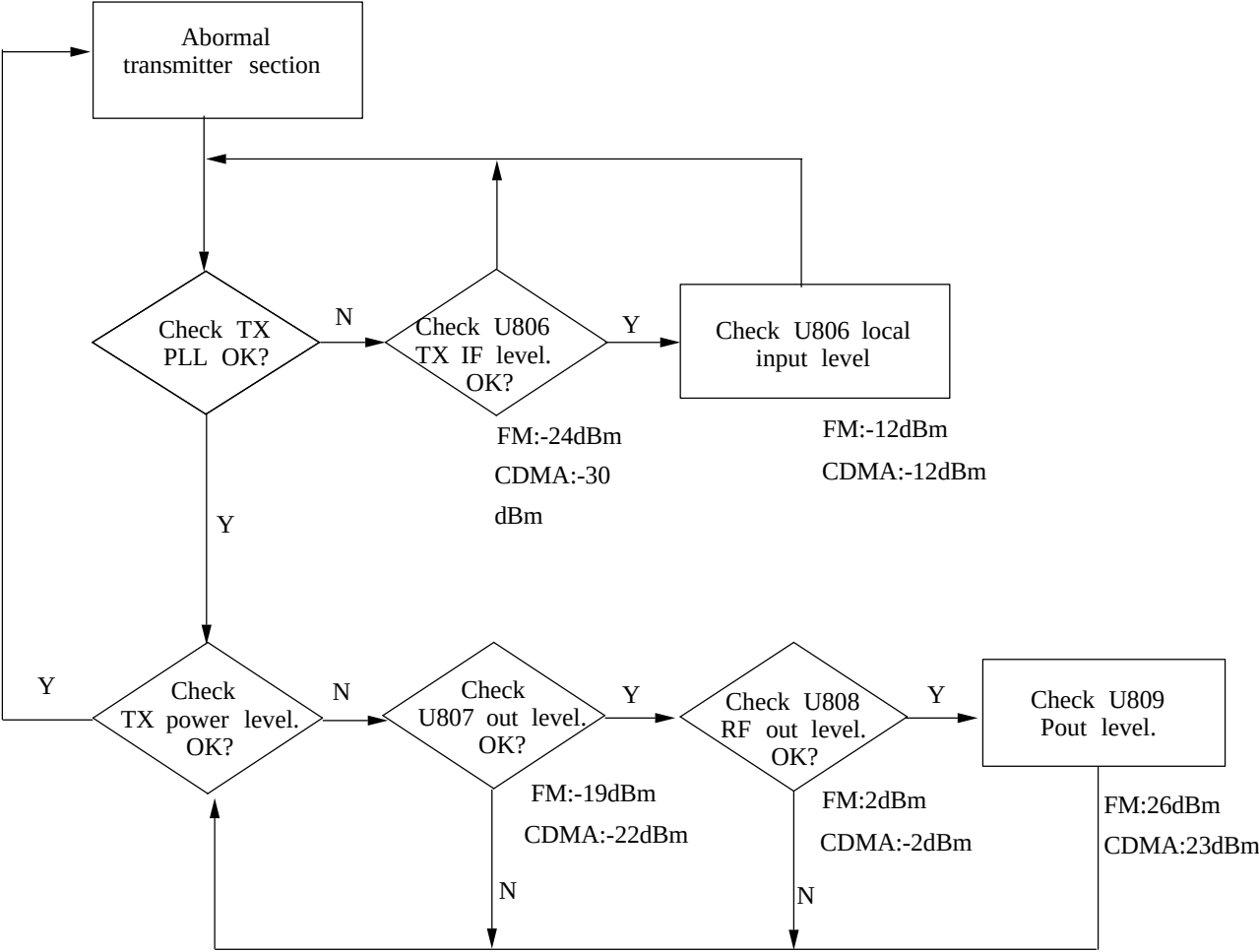
Abnormal Keytone



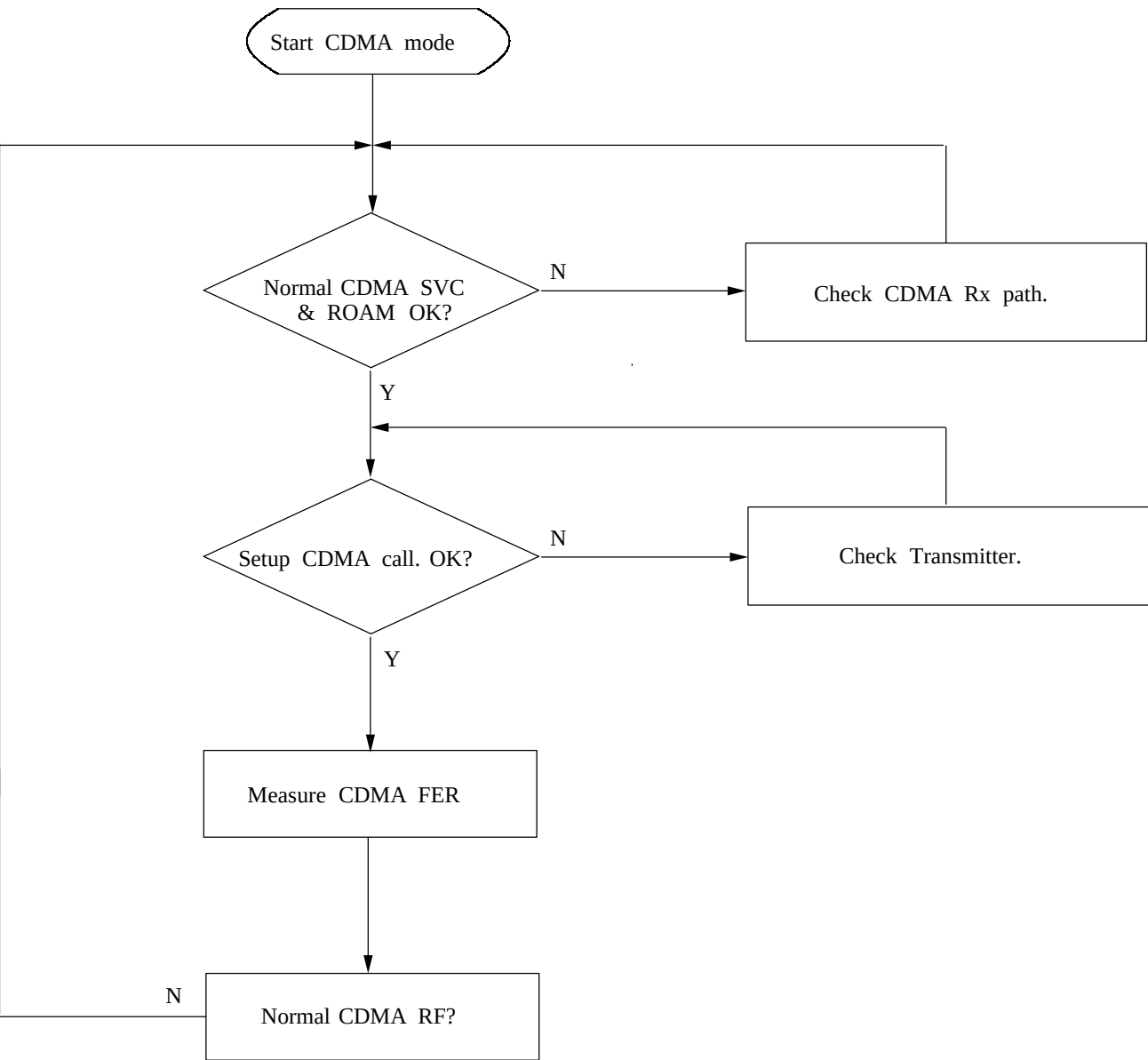
Abnormal Alert Tone



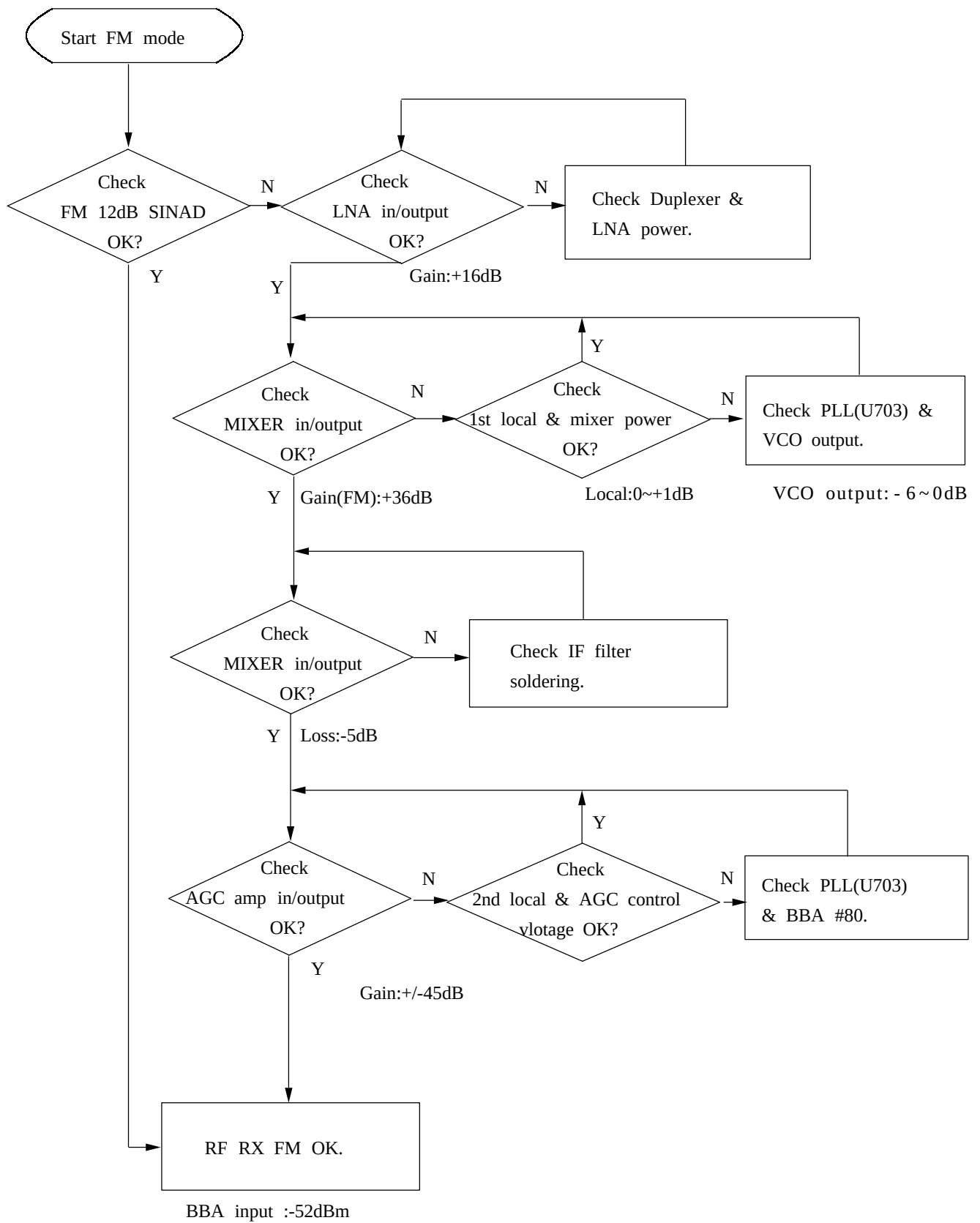
Transmitter Section



Receiver Section: CDMA MODE



Receiver Section: FM MODE



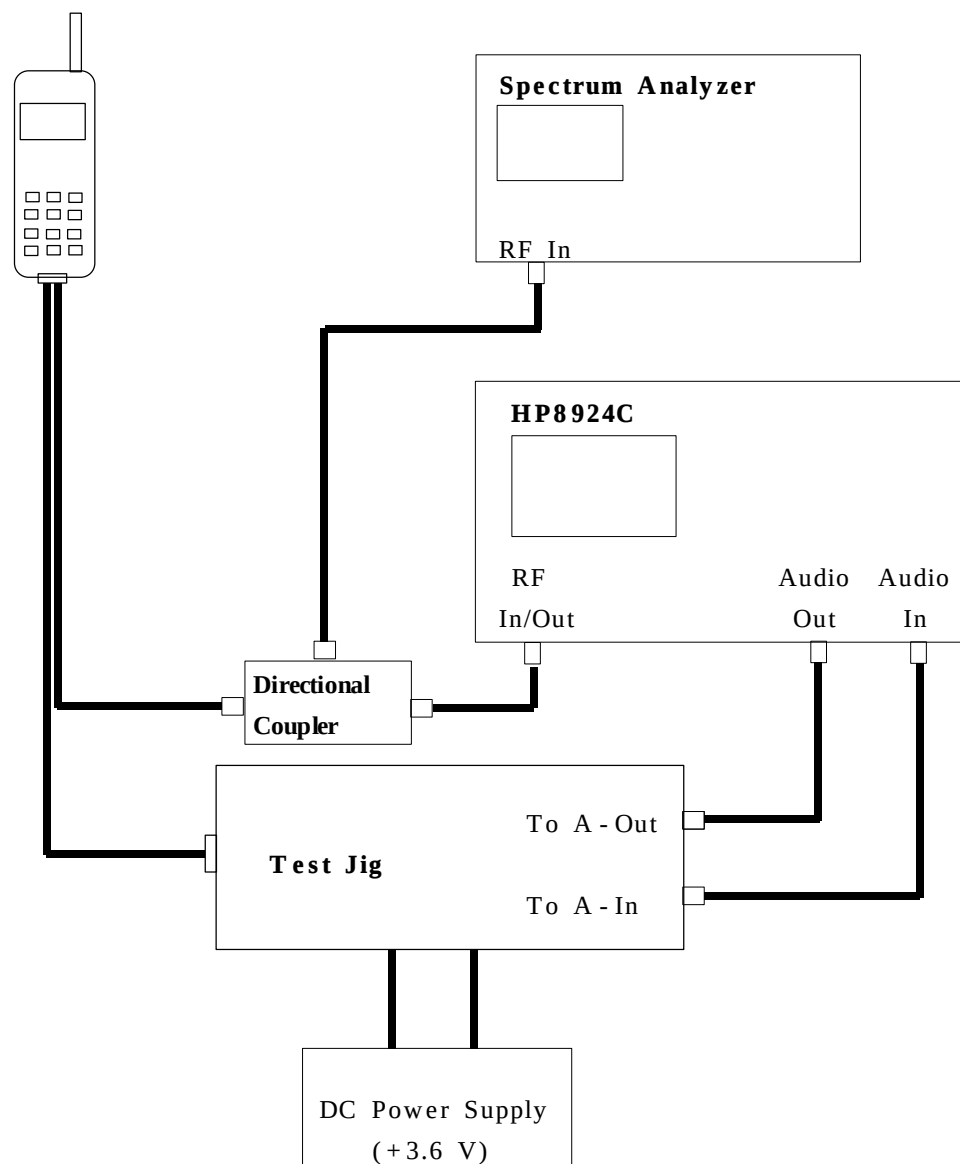
5. TEST PROCEDURE

TUNE-UP PROCEDURE

List of Equipment

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

Configuration of Test



Change to Test Mode

A. To change the phone from Normal Mode to test Mode, You should enter the following keys.

" * 7 5 9 # 8 1 3 5 8 0 "

B. The command ;°0 1"(Suspend) is entered to start test.

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

Channel Selection and Tx Power Output level Control

1. CDMA

A. You should change the phone from Normal Mode to CDMA Test mode

B. The command ;°0 1"(Suspend) is entered to start test.

C. You should enter the following keys.

" 0 9 X X X X #, 0 7, 7 1 X X X #, 3 4 "

- If you enter the command "0 9", You can select the channel

ex) 0 9 0 3 6 3 (under-bar means channel number)

- The command "0 7;±means Carrier On (Carrier Off : ;°0 8;±)

- If you enter the command "7 1", You can control the power output level. Following under-bar means AGC code. And you can control the power output level using [SEND] or [END] Keys.

ex) 7 1 4 7 5

- If you enter the command "3 4", You can spread the carrier.

D. After enter the command "7 4" and control the Tx Power Output Level to be 0.0dBm using [SEND] or [END] key , press "OK" key to store Data in EEPROM.

2. FM

A. You should change the phone from Normal Mode to FM Test mode

B. The command 0 1 (Suspend) is entered to start test.

C. You should enter the following keys.

" 0 9 X X X X #, 0 7, 9 7 X X X "

- If you enter the command "0 9", You can select the channel

ex) 0 9 0 3 8 3 (under-bar means channel number)

- The command "0 7" means Carrier On (Carrier Off : 0 8)

- If you enter the command "9 7", You can control the power output level. Following under-bar means AGC code. And you can control the power output level using [SEND] or [END] key

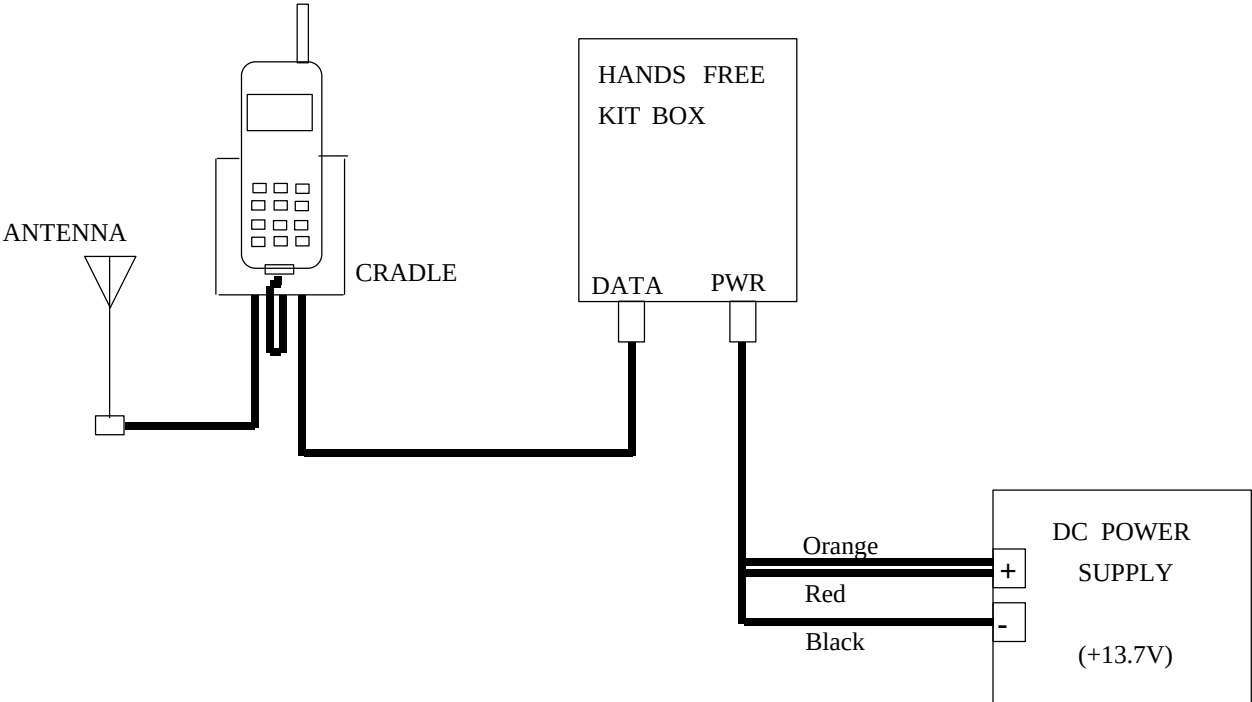
ex) 9 7 4 7 5

D. Control the TX Power Output Level using [SEND] or [END] key.

When you press "OK" key to store Data in EEPROM, enter next power level control step automatically.

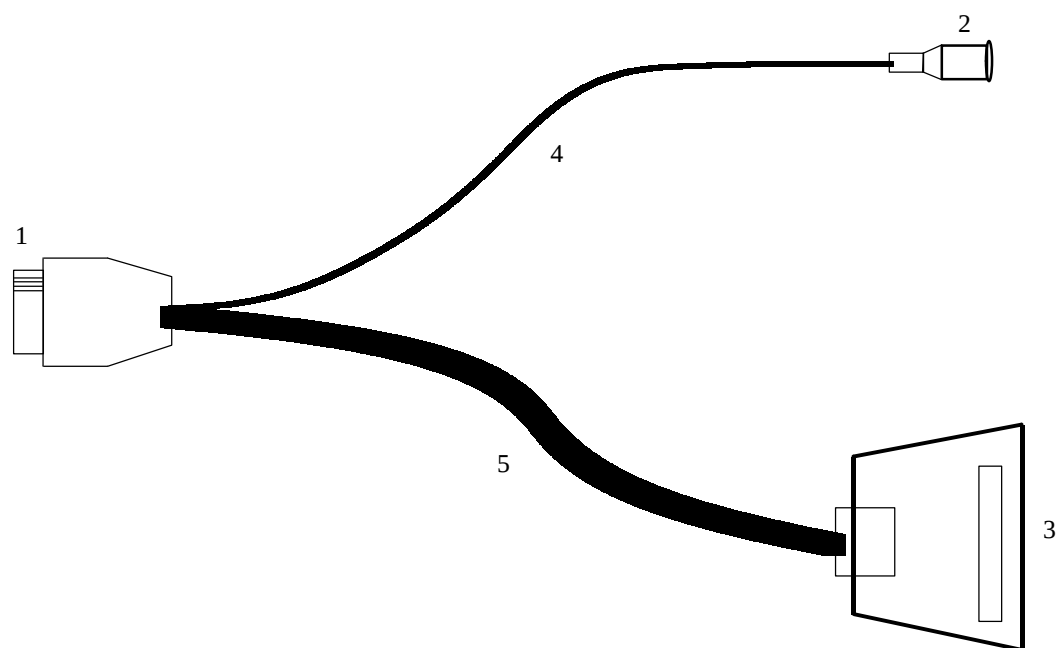
LEVEL	LCD Display	TX OUPUT POWER	STORE
2	TXpwr[02]	+26dBm +2 /-4dB	OK
3	TXpwr[03]	+24dBm +2 /-4dB	OK
4	TXpwr[04]	+20dBm +2 /-4dB	OK
5	TXpwr[05]	+16dBm +2 /-4dB	OK
6	TXpwr[06]	+12dBm +2 /-4dB	OK
7	TXpwr[07]	+ 8dBm +2 /-4dB	OK

Configuration of Test (Hands-Free)



TEST CABLE DESCRIPTION FOR SCH-510

1. TEST CABLE

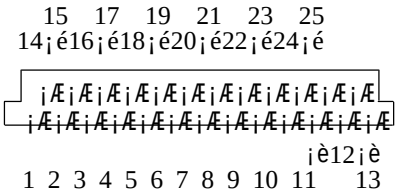


2. TEST CABLE CONNECTIONS

1	PLUG CONNECT TO SCH-510
2	BNC CONNECTOR (RF)
3	Dsub 25PIN CONNECTOR (DATA)
4	RF CABLE
5	DATA CABLE

3. Dsub 25 PIN CONNECTOR PIN DESCRIPTION (TEST CABLE 1, BACK SIDE)

DATA DESCRIPTION	Dsub CONN. PIN NO.
Vcc	4, 5, 6
GND	13, 23, 24, 25
PW ON/OFF	7
TX AUDIO	10
TX DATA	22
RX AUDIO	12
RX DATA	21
RSSI	8



4. CONVERSION TABLE OF FREQUENCY vs CHANNEL

T Y P E	CHANNEL	CONVERSION EQUATION	REMARK
TX FREQUENCY	1 ; N ; 799 990 ; N ; 1023	F=0.03 ; N + 825.00 F=0.03 ; (N-1023) + 825.00	N ; CH NUMBER F ; FREQUENCY
RX FREQUENCY	1 ; N ; 799 990 ; N ; 1023	F=0.03 ; N + 870.00 F=0.03 ; (N-1023) + 870.00	

FM MODE

TEST ITEM	STEP	PROCEDURE
1. PREPARE	a	Connect the test equipment
	b	Select FM mode: Choose 'Analog only' in the General - NAM Program, and press [OK].
	c	Enter the test mode: press [* 7 5 9 # 8 1 3 5 8 0]
	d	Press [0 1] : You must do it at first in FM test mode.
	e	If you press a wrong key, press [#] key and then enter new command.
	f	To exit the test mode at any time : press [0 2]
2. RF POWER	a	Set the channel 383 : Press [0 9 0 3 8 3] (Ch number must be 4 digits)
	b	Turn the carrier on, and set the power level 2 : press [0 7 1 0 2]
	c	Measure the RF Power Output : + 26 dBm +2/ -4 dB Note 1 : In case of using the antenna cable, must compensate for the cable loss. Note 2 : To prevent from damaging the hhp, must measure by calibrated test equipment. Warning ! Adjustments without calibrated equipment can result in excessive heat and will void the warranty.
	d	Power level control mode is [1 0 X] Adjust power level by using [SEND] or [END]key, and store. : press [9 7]
	e	Then measure the power output for each level by pressing [OK] or [↵] at every step .
	f	Then turn carrier off : press [0 8]
3. TX FREQUENCY	a	Set the channel 383 : press [0 9 0 3 8 3]
	b	Turn the carrier on : press [0 7]
	c	Measure the tx frequency : 836.490MHz $\pm \frac{3}{4}$ 2.5ppm ($\pm \frac{3}{4}$ 2090Hz)
	d	Turn the carrier off : press [0 8]

TEST ITEM	STEP	PROCEDURE
4. VOICE DEVIATION	a	Set the channel 383 : [0 9 0 3 8 3]
	b	Send the RF power, and set TX audio unmute :press [0 7 4 6 4 5 1 4]
	c	Turn the carrier on, and set the power level 2
	d	Set the audio generator output to 1KHz, 3.0Vrms Measure the TX voice deviation by using the HPF of 20Hz and the LPF of 99kHz. (spec : ± 12 KHz less)
	e	To adjust the peak deviation, (¥) Press [6 3] and use the [SEND] or [END] key (¥) Store the peak deviation : press [OK]
	f	Set the audio generator output to 1KHz, 100Vrms.
	g	Measure the TX voice deviation by using the HPF of 50Hz and the LPF of 15kHz. (spec : ± 2.9 kHz $\pm 10\%$)
	h	To adjust the compressor off deviation : press [45], and use [SEND] or [END] key. (spec : ± 2.9 kHz ± 0.2 kHz)
	i	Store the compressor off deviation : press [OK]
	j	To adjust the compressor on deviation : press [44],and use [SEND] or [END] key. (spec : ± 2.9 kHz ± 0.2 kHz)
	k	Store the compressor on deviation : press [OK]
	l	Turn the carrier off, and TX mute : [0 8 1 3]
5. ST DEVIATION	a	Set the channel 383 : press [0 9 0 3 8 3]
	b	Turn the carrier on, and set the power level 2
	c	Set ST : press [1 6]
	d	Measure the TX ST deviation by using the HPF of 20Hz and the LPF of 15kHz. (spec : ± 8 kHz 10%)
	e	To adjust the deviation ; press [66], and use [SEND] or [END] key.
	f	Store the deviation code in EEPROM : press [OK]
	g	Turn the ST and the carrier off : press [1 7 0 8]

TEST ITEM	STEP	PROCEDURE
6. SAT DEVIATION	a	Set the channel 383 : [0 9 0 3 8 3]
	b	Turn the carrier on, and set the power level 2
	c	Set the Voice State and SAT on : press [4 6 3 2 1]
	d	Measure the TX SAT deviation by using the HPF of 20 Hz and the BPF of 6 kHz. (spec : ± 2 kHz $\pm 10\%$)
	e	To adjust the deviation within specification : press [64], and use [SEND] or [END] key.
	f	Store the deviation code in EEPROM: press [OK]
	g	Turn the SAT and the carrier off : press [3 3 0 8]
7. WBD DEVIATION	a	Set the channel and carrier on : [0 9 0 3 8 3 0 7]
	b	WBD on : [3 4]
	c	Measure the WBD deviation by using the HPF of 20 Hz and the LPF of 99 kHz. (spec : ± 8 kHz $\pm 10\%$)
	d	To adjust the WBD deviation : press [6 5], and use [SEND] or [END] key.
	e	Store the deviation code in EEPROM : press [OK]
	f	Turn the carrier off : press [0 8]
8. RX AUDIO	a	Set the equipment as below. RF frequency : 881.49 MHz Input RF level : - 80 dBm Modulation frequency : 1 KHz Frequency deviation : 8 KHz
	b	Set the channel 383 and the Voice State : press [0 9 0 3 8 3 4 6]
	c	Set the RX audio unmute : press [1 2]
	d	Set compandor on : press [4 4]
	e	Adjust the expander on audio level : press [6 1] Use [SEND] or [END] key.
	f	Store the expander on audio level :press [OK]
	g	Finish the test and exit test mode : press [0 2]

CDMA MODE

TEST ITEM	STEP	PROCEDURE
1. PREPARE	a b c d e f	Connect the test equipment Select FM mode: press [MENU 6], choose 'CDMA ONLY' Store the CDMA mode: press [OK] Enter the test mode: press [* 7 5 9 # 8 1 3 5 8 0] If you press a wrong key, press [#] key and then enter new command. To exit the test mode at any time : press [0 2]
2. FREQUENCY ACCURACY	a b c d e	Set the channel 363: press [0 9 0 3 6 3] Turn the carrier on and set the power level. : press [0 7 7 1 X X X] Measure the frequency accuracy (spec: $\pm 300\text{Hz}$) To adjust the Frequency Accuracy : press [8 9] and use [SEND] or [END] key. Store the Frequency Accuracy in EEPROM: Press [OK]
3. OCCUPIED CDMA BAND WIDTH	a b c	Set the channel 363: press [0 9 0 3 6 3] Turn the carrier on and set the power level. : press [0 7 3 4 7 1 X X X] Measure the Band Width. (spec: 1.32MHz)
4. LIMITATIONS ON EMISSIONS	a b c	Set the channel 363: press [0 9 0 3 6 3] Turn the carrier on and set the power level. : press [0 7 3 4 7 1 X X X] Measure the spurious at $F_c \pm 900\text{KHz}$, $F_c \pm 1.98\text{MHz}$, $2F_c$, $3F_c$, $1/2F_c$ spec: $F_c \pm 900\text{KHz}$ below 42dBc/30KHz $F_c \pm 1.98\text{MHz}$ below 54dBc/30KHz Outside Receive Band $43+10\log(\text{PY})$ PY: Mean output power in watts
5. GATED POWER & TIME	a b c d e	Set the Service option: 2 Set the Data Rate: Eighth (1200bps) Registering: HHP --> HP8924C Call : HP8924C --> HHP Measure the Gated Power & Time spec: Gated Power at least 20dB Gated Time - Rising Time: below 7us Falling Time: below 7us Burst Time: below 1.247ms