

## 5. Test Commands & Test Procedure List

**Test Command Table**

To change the phone from normal mode to test mode, you should enter the following keys :  
 Press [\*759#813580]

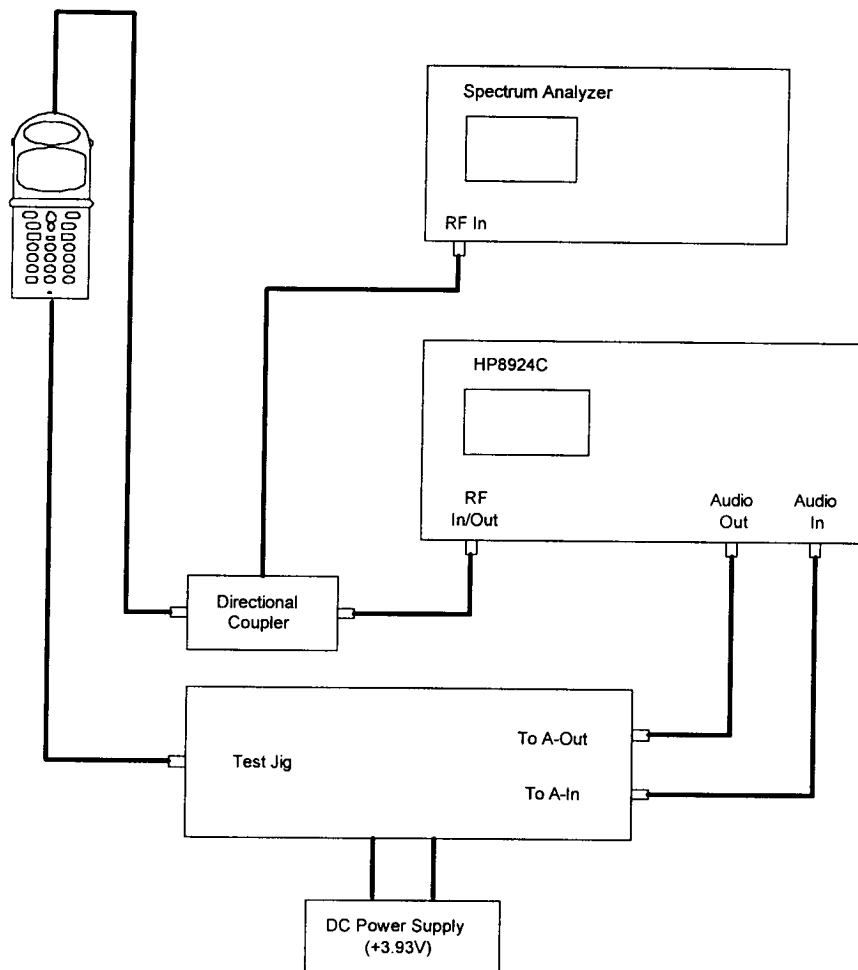
| Command No   | Command SW Name               | Description                                   |
|--------------|-------------------------------|-----------------------------------------------|
| 01(1F,0,0)   | T_SUSPEND_I                   | Enter to test menu                            |
| 02(3F,0,0)   | T_RESTART_I                   | Escape from test menu                         |
| 04(1D,0,1)   | T_GET_MODE_I                  | Get mode CDMA/FM                              |
| 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                               |
| 15           | T_VOC_ESEC_I                  | Echo Canceller On/Off                         |
| 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           | T_LCD_CONTRAST_I              | Tune LCD contrast                             |
| 20           | T_LNA_GAIN_WR_I               | write LNA gain for IMD test                   |
| 21           | T_TEST_SYS_I                  | set test system & Channel                     |
| 22(91,96,96) | T_SNDNAM_I <sup>(1)</sup>     | Display & Send NAM Information                |
| 23(95,3,4)   | T_SNDVERSION_I <sup>(1)</sup> | Display & Send Software Version               |
| 24(9F,7,8)   | T_SNDESN_I <sup>(1)</sup>     | 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                                      |
| 30(9D,15,0)  | T_PLINE_I                     | Display and return production date            |
| 31           | T_AUTOANSWER_I                | Enable Auto-answer mode                       |
| 32(A0,1,0)   | T_SATON_I <sup>(1)</sup>      | Enable the transmission of SAT                |
| 33(A1,0,0)   | T_SATOFF_I <sup>(1)</sup>     | Disable the transmission of SAT               |
| 34(A2,0,0)   | T_CDATA_I                     | Continuously send TX Control data             |
| 37           | T_RXRAS_FLATNESS_I            | Adjust CDMA RX RAS flatness.                  |
| 38           | T_VOC_ENC_OFFSET_I            | Vocoder ENC offset                            |
| 39           | T_VOC_DEC_OFFSET_I            | Vocoder DEC offset                            |
| 40(A7,3,0)   | T_VOC_CDMA_UNITY_GAIN_I       | Vocoder CDMA unity gain                       |
| 41           | T_VOC_FM_HFRX_UPGAIN_I        | Vocoder FM hfrx upgain                        |
| 42(AA,1,0)   | T_DTMFON_I <sup>(1)</sup>     | Turn on DTMF                                  |
| 43(AB,0,0)   | T_DTMFOFF_I                   | Turn off DTMF                                 |
| 44(B0,0,0)   | T_COMPANDORON_I               | Turn on compandor                             |
| 45(B1,0,0)   | T_COMPANDOROF_I               | Turn off compandor                            |
| 46(B2,0,0)   | T_FM_VCLINE_I <sup>(1)</sup>  | Enter FM voice state                          |
| 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                                  |

| Command No | Command SW Name                   | Description                                    |
|------------|-----------------------------------|------------------------------------------------|
| 52(B9,0,8) | T_HW_VERSION_I                    | View HW version                                |
| 53         | T_CARRIER_I                       | Target Carrier option (Change banner)          |
| 54         | T_VOC13K_I                        | Target Service option                          |
| 55(AC,1,0) | T_EXT_AUDIO_I                     | External Audio Path On/Off                     |
| 57(BC,0,0) | T_MIC_ON_I                        | Unmute MIC Path                                |
| 58(BD,0,0) | T_MIC_OFF_I                       | mute MIC Path                                  |
| 59(BE,0,0) | T_ALLPATH_I                       | Tune on the all audio path                     |
| 60(BF,3,0) | T_FM_TX_GAIN_I <sup>(13)</sup>    | AMPS Tx Audio Gain Control                     |
| 61(C0,3,0) | T_FM_RX_GAIN_I <sup>(13)</sup>    | AMPS Rx Audio Gain Control                     |
| 62(C1,3,0) | T_DTMF_VOL_TX_I <sup>(3)</sup>    | AMPS Tx DTMF Gain Control                      |
| 63(C2,3,0) | T_TX_LIMITER_I <sup>(3)</sup>     | AMPS Tx Limiter Gain Control                   |
| 64(C3,3,0) | T_FM_SAT_LEVEL_I <sup>(13)</sup>  | AMPS Tx SAT level Control                      |
| 65(C4,3,0) | T_FM_FREQ_SGAIN_I <sup>(13)</sup> | AMPS Tx Master Gain Control                    |
| 66(C5,3,0) | T_FM_ST_GAIN_I <sup>(13)</sup>    | AMPS Tx ST Gain Control                        |
| 67(C6,0,6) | T_READ_BATT_I <sup>(1)</sup>      | Saved Low battery value read                   |
| 68(C8,0,3) | T_VBATT1_I <sup>(1)</sup>         | Set the low battey position in the standby     |
| 69(C9,0,3) | T_VBATT2_I <sup>(1)</sup>         | Set the low battey position in the talking     |
| 70(CA,3,0) | T_WRITE_BATT_I <sup>(13)</sup>    | write a BATT                                   |
| 71(D1,3,0) | T_CDMA_TXADJ_I <sup>(1)</sup>     | Sets tx_agc_adj for CDMA mode                  |
| 72(D2,3,0) | T_FM_TXADJ_I <sup>(1)</sup>       | Sets tx_agc_adj for AMPS mode                  |
| 73(D3,1,0) | T_SET_PA_R_I <sup>(1)</sup>       | Sets PA R1,R0 range bits                       |
| 75(D5,0,3) | T_READ_RSSI_I <sup>(1)</sup>      | Read a RSSI                                    |
| 76(D6,3,0) | T_CDMA_CH_FLATNESS_BP_ON_I        | Adjust CDMA TX low power RAS flatness          |
| 77(D7,0,3) | T_READ_TEMP_I                     | Read a TEMP                                    |
| 79(D9,1,0) | T_BUZZER_ON_I <sup>(1)</sup>      | 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         | T_BYPASS_ON_I                     | Set Low power mode                             |
| 84         | T_BYPASS_OFF_I                    | Set High power mode                            |
| 85(E7,0,0) | T_SPEAKER_ON_I                    | Turn on the speaker path                       |
| 86(E8,0,0) | T_SPEAKER_OFF_I                   | Tturn off the speaker path                     |
| 87(E9,0,0) | T_FM_LOOP_TEST_I                  | FM loop back                                   |
| 88(EA,3,0) | T_TRK_ADJ_I <sup>(1)</sup>        | TRK LOCAL ADJUST                               |
| 89(EB,3,0) | T_CDTRK_ADJ_I                     | CDMA TRK LOCAL ADJUST                          |
| 90(F0,2,0) | T_FM_CH_FLATNESS_I                | Adjust FM channel flatness                     |
| 92(D4,5,0) | T_TXRAS_ADJ_I                     | CDMA TX high power RAS table( not adjustable ) |
| 93(F3,4,0) | T_RXRAS_ADJ_I                     | CDMA RX RAS table( not adjustable )            |
| 96(F6,4,0) | T_CH_FLATNESS_I                   | Adjust TX high power RAS                       |
| 97(F2,4,0) | T_FM_TX_PWR_I                     | Adjust FM Power level 2 ~ 7                    |
| 98(F8,3,0) | T_TXRAS_ADJ_BP_ON_I               | CDMA TX low power RAS table( not adjustable)   |
| 99(FC,4,0) | T_SND_GAIN_I                      | Mic/Speaker Gain control                       |

## 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

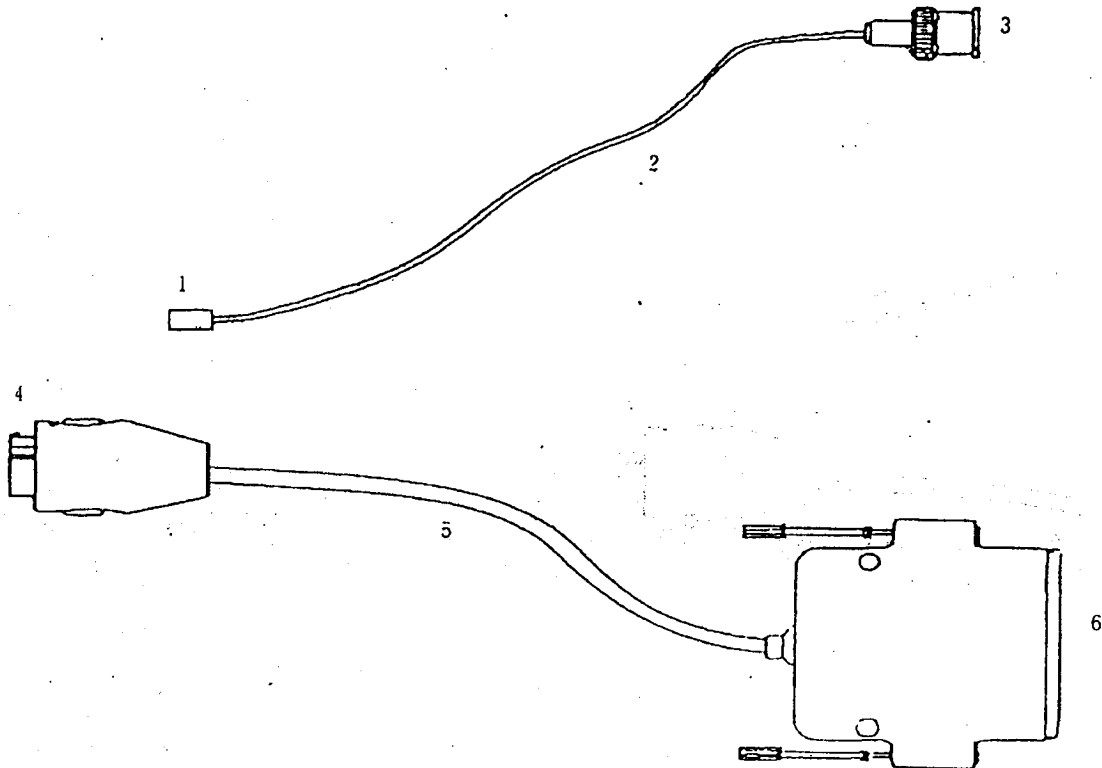
## Configuration of Test



- CAUTION : The test jig and data cable has a voltage drop of 0.33V at FM Max power output, you'd better set the DC power supply to 3.93V for normal test condition.  
(Nominal voltage of battery is 3.6V at cellular phone)

## TEST CABLE DESCRIPTION FOR SCH-850

### 1. TEST CABLE



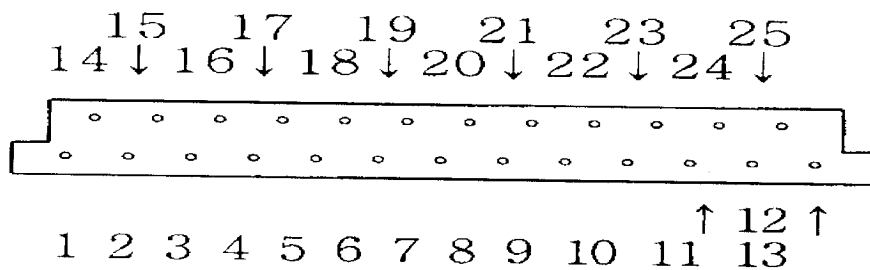
### 2. TEST CABLE CONNECTIONS

|   |                                             |
|---|---------------------------------------------|
| 1 | MHC 172                                     |
| 2 | RF CABLE (1.4 dB Loss for CDMA800 and AMPS) |
| 3 | BNC CONNECTOR (RF)                          |
| 4 | PLUG CONNECT TO SCH-850                     |
| 5 | DATA CABLE                                  |
| 6 | Dsub 25PIN CONNECTOR (DATA)                 |

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

| DATA DESCRIPTION | Dsub CONN. PIN NO. | DATA DESCRIPTION | Dsub CONN. PIN NO. |
|------------------|--------------------|------------------|--------------------|
| V_F              | 12,21              | DP_RX_DATA       | 8                  |
| DGND             | <b>2,4,6,13,19</b> | HP_PWR           | 9                  |
| BATT             | 15,16,22           | RI               | 10                 |
| C_F              | 3,20               | CD               | 11                 |
| TX_AUDIO         | 5                  | RTS              | 14                 |
| DP_TX_DATA       | 7                  | CTS              | 17                 |
| RX_AUDIO         | 1                  | DTR              | 18                 |



## 4. CONVERSION TABLE OF FREQUENCY vs CHANNEL

| T Y P E         | CHANNEL                      | CONVERSION EQUATION                                           | REMARK                       |
|-----------------|------------------------------|---------------------------------------------------------------|------------------------------|
| TX<br>FREQUENCY | 1 ••N•• 799<br>990 ••N••1023 | $F=0.03 \cdot N + 825.00$<br>$F=0.03 \cdot (N-1023) + 825.00$ | N ; CH NUMBER                |
| RX<br>FREQUENCY | 1 ••N•• 799<br>990 ••N••1023 | $F=0.03 \cdot N + 870.00$<br>$F=0.03 \cdot (N-1023) + 870.00$ | F ; FREQUENCY<br>(AMPS/CDMA) |

**Change to Test Mode**

A T c a g t e h n ' s a e r m o m l o e o e t o e Y u h u d n e t e o l w n  
k y .

\* 5 # 1 5 0

B T e o m n " 1 i m d a d h n e c a g , r s " K t s v .

"10000" or "10001" : AMPS's Sytem A and Sytem B

"20363"

→ Channel number  
→ Mode:CDMA

C. The command "0 1" is Suspend.

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

**Channel Selection and Tx Power Output Level Control****1.AMPS(FM)**

A. Enter to Test Mode ("\* 7 5 9 # 8 1 3 5 8 0").

B.The command "21" is mode and channel change

"10000" or "10001" : AMPS's Sytem A and Sytem B

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

D. "0 1" : Suspend.

E. "4 6" : Vocoder initial to Analog mode.

F. "0 9 0 3 6 3 #" : Set to '0363' channel.

G. "0 7" : Carrier On.

H. "9 7 \_ \_ \_" : Output RF power level is set as power level 2

"\* \* \*" means AGC level and AGC level range is from 0 to 511.

I. "1 0 2" : RF Power level control, 2(0~7) means power level .

## 2.CDMA

A. Enter to Test Mode ( "\*" 7 5 9 # 8 1 3 5 8 0" ).

B.The command "21" is mode and channel change , press "OK" to save.



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

D. "0 1" : Suspend.

E. "0 9 0 3 6 3 #" : Set to '0363' channel.

F. "0 7" : Carrier On.

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

H. "8 4" : High Power-mode On

I. "9 6 \_ \_ \_ " : Output RF power level is set max power

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

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**LAMPS(FM).**

| TEST ITEMS         | PROCEDURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|-------|------------------------|---|-------------------|---|-------------------|---|-------------------|---|-------------------|---|------------------|
| 1.<br>PREPARATION  | <p>Set test equipments up.</p> <p>Confirm that the phone is in the Analog Mode!<br/>( "10000" or "10001" at Test Command "2 0".)</p> <p>"* 7 5 9 # 8 1 3 5 8 0": Enter the Test Mode</p> <p>"0 1": Suspend</p> <p>"4 6": Initialize Vocoder in Analog mode</p> <p>If a wrong key would be selected, press "#", and then enter new command.</p> <p>To exit the Test Mode at any time, just press [0 2].</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 2. RF<br>POWER     | <p>"0 1": Suspend.</p> <p>"4 6" : Initialize Vocoder in Analog mode.</p> <p>"0 9 Q 3 6 3 #": Set channel to 363.</p> <p>"0 7" : Carrier On.</p> <p>"1 0 2" : RF Power level selection, "2" means one of the power levels<br/>(0-7).</p> <p>Measurement of the Power Output Levels</p> <table><thead><tr><th>Level</th><th></th></tr></thead><tbody><tr><td>0 - 2</td><td>+ 26.8 dBm + 0.2/-4 dB</td></tr><tr><td>3</td><td>+ 23 dBm +2/-4 dB</td></tr><tr><td>4</td><td>+ 19 dBm +2/-4 dB</td></tr><tr><td>5</td><td>+ 15 dBm +2/-4 dB</td></tr><tr><td>6</td><td>+ 12 dBm +2/-4 dB</td></tr><tr><td>7</td><td>+ 9 dBm +2/-4 dB</td></tr></tbody></table> <p>"0 8" : Carrier off</p> <p>Note 1 : In case of using the antenna cable, compensation for the cable loss should be added (about 1.5dB).</p> <p>Note 2 : To prevent phones from being damaged, they must be measured only by calibrated test equipments.</p> <p>Warning !<br/>Adjustments without calibrated equipments can cause phones to be heated excessively and would void the warranty.</p> | Level |  | 0 - 2 | + 26.8 dBm + 0.2/-4 dB | 3 | + 23 dBm +2/-4 dB | 4 | + 19 dBm +2/-4 dB | 5 | + 15 dBm +2/-4 dB | 6 | + 12 dBm +2/-4 dB | 7 | + 9 dBm +2/-4 dB |
| Level              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 0 - 2              | + 26.8 dBm + 0.2/-4 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 3                  | + 23 dBm +2/-4 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 4                  | + 19 dBm +2/-4 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 5                  | + 15 dBm +2/-4 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 6                  | + 12 dBm +2/-4 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 7                  | + 9 dBm +2/-4 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |
| 3. TX<br>FREQUENCY | <p>"0 1": Suspend.</p> <p>"4 6": Initialize Vocoder in Analog mode.</p> <p>"0 9 Q 3 6 3 #" : Set channel to 363.</p> <p>"0 7" : Carrier On.</p> <p>Measure the TX frequency : 835.89 MHz*2.5ppm.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |  |       |                        |   |                   |   |                   |   |                   |   |                   |   |                  |

| TEST ITEMS            | PROCEDURE                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. VOICE<br>DEVIATION | "0 1" : Suspend.<br>"4 6" : Initialize Vocoder in Analog mode.<br>"0 9 0 3 6 3 #" : Set channel to 363.<br>"0 7" : Carrier On.<br>"1 4" : TX Audio unmute.<br><br>Set the audio generator output to 1kHz, 3.0Vrms.<br><br>Measure the Tx voice deviation by using the HPF of 20Hz and the LPF of 99kHz (spec : less than **12kHz).                                                                                                        |
| 5. ST DEVIATION       | "0 1" : Suspend.<br>"4 6" : Initialize Vocoder in Analog mode.<br>"0 9 0 3 6 3 #" : Set channel to 363.<br>"0 7" : Carrier On.<br>"1 6" : ST on.<br><br>Measure the Tx ST deviation by using the HPF of 50Hz (spec : 8kHz**10%).<br><br>"1 7" : ST off.                                                                                                                                                                                   |
| 6. SAT<br>DEVIATION   | "0 1" : Suspend.<br>"4 6" : Initialize Vocoder in Analog mode.<br>"0 9 0 3 6 3 #" : Set channel to 363.<br>"0 7" : Carrier On.<br>"3 2" : SAT on.<br><br>Set the equipment as following.<br>RF frequency : 880.89MHz<br>Input RF level : -80dBm<br>Modulation frequency : 6kHz<br>Frequency deviation : 2kHz<br><br>Measure the Tx SAT deviation by using the HPF of 50Hz and the LPF of 6kHz (spec : 2kHz**10%).<br><br>"3 3" : SAT off. |

| TEST ITEMS          | PROCEDURE                                                                                                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7. WBD<br>DEVIATION | "0 1" : Suspend.<br>"4 6" : Initialize Vocoder in Analog mode.<br>"0 9 0 3 6 3 #" : Set channel to 363.<br>"0 7" : Carrier On.<br>"3 4" : WBD on.<br>Measure the WBD deviation by using the HPF of 50Hz and the LPF of 20kHz (spec : 8kHz••10%).                                                                                               |
| 8. RX AUDIO         | "0 1" : Suspend.<br>"4 6" : Initialize Vocoder in Analog mode.<br>"0 9 0 3 6 3 #" : Set channel to 363.<br>"0 7" : Carrier On.<br>"1 2" : RX Audio unmute.<br>Set the equipment as following.<br>RF frequency : 880.89MHz<br>Input RF level : -80dBm<br>Modulation frequency : 1kHz<br>Frequency deviation : ••8kHz<br>Measure audio AC level. |

**2.CDMA**

| TEST ITEMS                     | PROCEDURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. PREPARANCE                  | <p>Set test equipments up.</p> <p>Confirm that the phone is in the CDMA Mode.<br/>("2XXXX" at Test Command "0 2")</p> <p>"* 7 5 9 # 8 1 3 5 8 0" : Enter the Test Mode</p> <p>"0 1" : Suspend</p> <p>If you select a wrong key, press "#", then enter new command.</p> <p>To exit the Test Mode at any time, just press [0 2].</p>                                                                                                                                                                                                                                                                                                                                   |
| 2. FREQUENCY<br>ACCURACY       | <p>"0 1" : Suspend.</p> <p>"0 9 0 3 6 3 #" : Set channel to 363.</p> <p>"0 7" : Carrier On.</p> <p>"9 6" :You can read the number.(the code) and the push the #••</p> <p>"7 1 2 6 0 #" : Set AGC level to the numer of reading(about 188).</p> <p>Measure the TX frequency : 835.89MHz••300Hz.</p>                                                                                                                                                                                                                                                                                                                                                                   |
| 3. OCCUPIED CDMA<br>BANDWIDTH  | <p>"0 1" : Suspend.</p> <p>"0 9 0 3 6 3 #" : Set channel to 363.</p> <p>"0 7" : Carrier On.</p> <p>"3 4" : Spread spectrum.</p> <p>"8 4" : High power mode</p> <p>"9 6" :You can read the number.(the code) and the push the #••</p> <p>"7 1 2 6 0 #" : Set AGC level to the numer of reading(about 188).</p> <p>Measure the bandwidth (spec: 1.32MHz).</p>                                                                                                                                                                                                                                                                                                          |
| 4. LIMITATIONS ON<br>EMISSIONS | <p>"0 1" : Suspend.</p> <p>"0 9 0 3 6 3 #" : Set channel to 363.</p> <p>"0 7" : Carrier On.</p> <p>"3 4" : Spread spectrum.</p> <p>"8 4" : High power mode</p> <p>"9 6" :You can read the number.(the code) and the push the #••</p> <p>"7 1 2 6 0 #" : Set AGC level to the numer of reading(about 188).</p> <p>Measure the spurious at <math>F_c</math>••900kHz, <math>F_c</math>••1.98MHz, <math>2F_c</math>, <math>3F_c</math>, <math>1/2F_c</math>.</p> <p>spec: <math>F_c</math>••900kHz below 42dBc/30kHz</p> <p><math>F_c</math>••1.98MHz below 54dBc/30kHz</p> <p>Outside Receive Band <math>43+10\log(PY)</math></p> <p>PY: Mean Output Power in watts</p> |
| 5. GATED POWER &<br>TIME       | <p>Set the service option 2.</p> <p>Set the data rate Eighth (1200bps).</p> <p>Registering: HHP •• HP8924C.</p> <p>Call : HP8924C •• HHP.</p> <p>Measure the Gated Power &amp; Time.</p> <p>spec : Gated Power - at least 20dB</p> <p>Gated Time - Rising Time : below 6••</p> <p>Falling Time : below 6••</p> <p>Burst Time : below 1.25••</p>                                                                                                                                                                                                                                                                                                                      |