

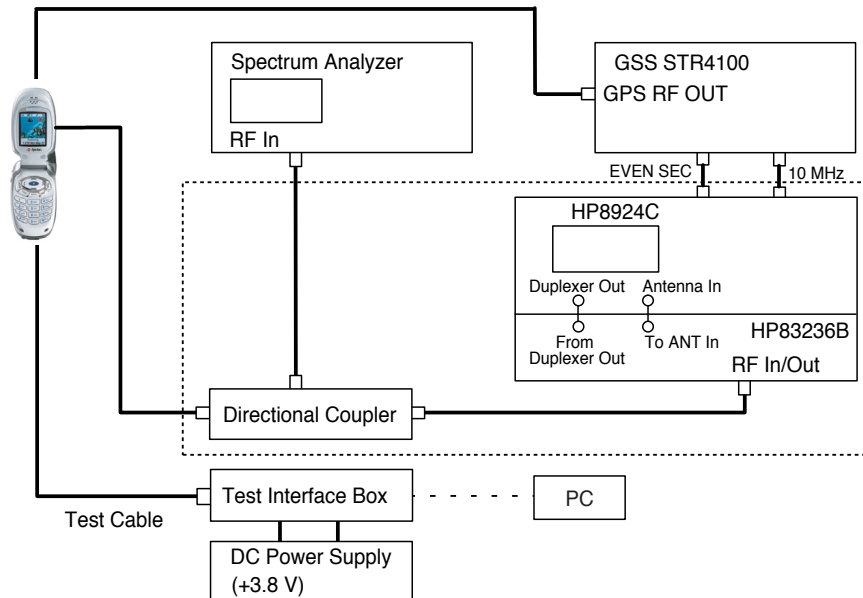
## 7. Test Procedure

### 7-1 List of Equipment

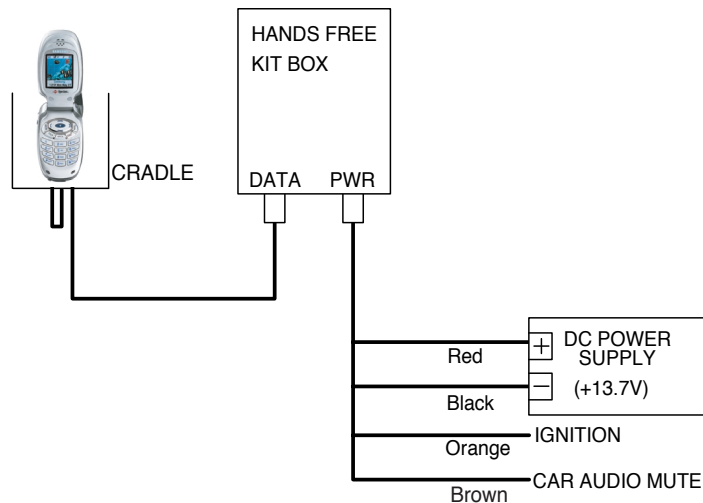
- DC Power Supply
- Test Jig
- Test Cable
- CDMA Mobile Station Test Set : HP8285A, HP83236A, CMD-80, etc
- Spectrum Analyzer (include CDMA test mode) : HP8596E

### 7-2 Configuration of Test

#### 7-2-1 Hand Set

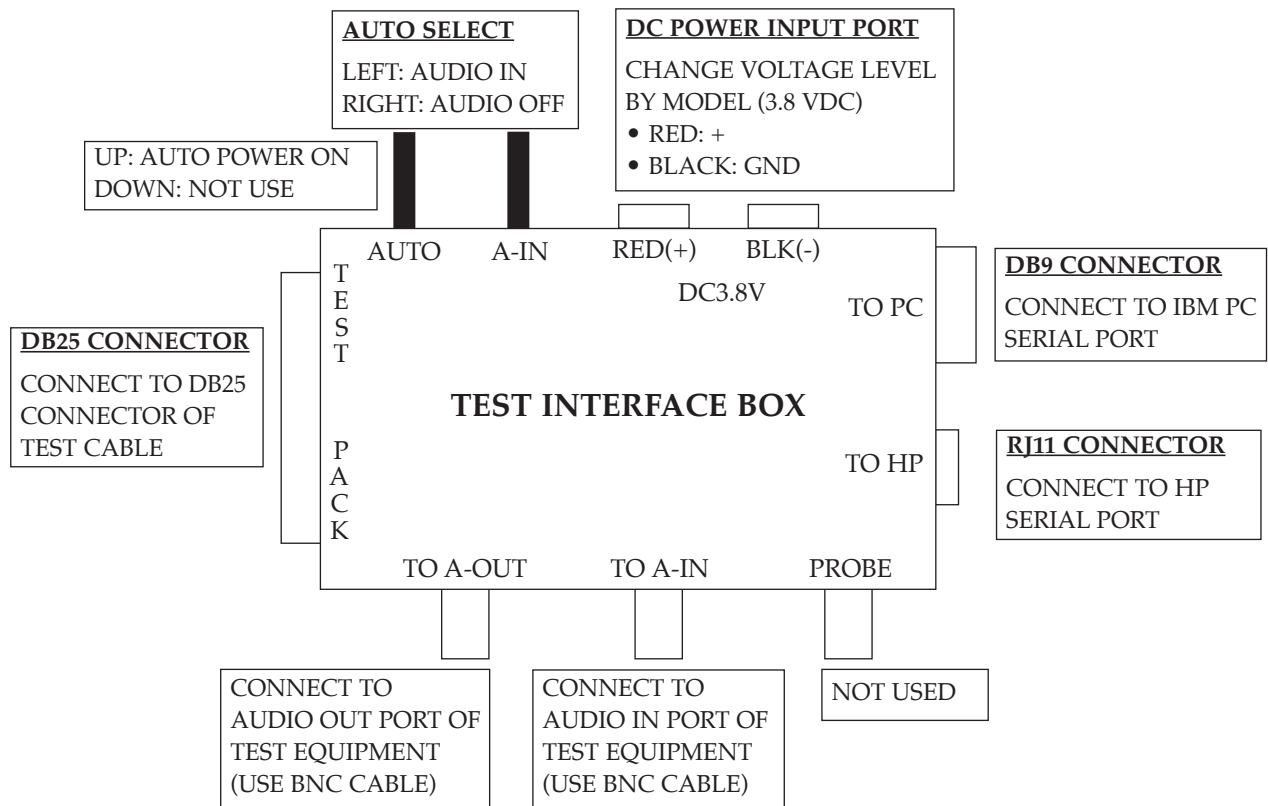


#### 7-2-2 Hands-Free

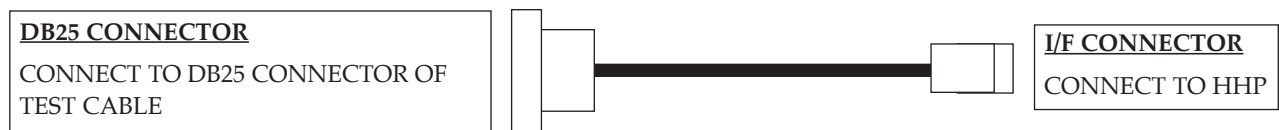


### 7-2-3 Test Cable Connection Diagram

#### TEST INTERFACE BOX



#### TEST CABLE



#### Items needed to purchase from SAMSUNG

ITEMS	PARTS#	REMARK
TEST CABLE	GH39-00076A	* Cable Loss : 1.9 GHz (PCS) 2.1 dB, 800 MHz (Cellular) 1.4 dB (1.8 m)
TEST INTERFACE BOX	GH80-00001A	Including 1. Power Cable (Black, Red) 2. 9-pin RS 232 Cable for PC.
DM Cable	GH59-00054A	Connection between Phone and PC

## 7-3 Test Procedure

### 7-3-1 Change the test mode

- A. To change the phone from normal mode to test mode, you should enter the following keys.  
: Press [4 7 \* 8 6 9 # 1 2 3 5]
- B. The command [0 0 1] (Suspend) is entered to start test.  
: Press [0 0 1]
- C. To finish the test mode, you should enter the command [0 0 2]  
: Press [0 0 2]

### 7-3-2 Channel selection and Tx power output level control

#### 1.9 GHz (PCS)

- A. To select PCS mode, you should enter the following keys.
    - 1) Press [4 7 \* 8 6 9 # 1 2 3 5]
    - 2) Press [0 2 2 3 0 0 0 0] + [OK] + [0 0 2]
  - B. You should change the phone from normal mode to test mode  
: Press [4 7 \* 8 6 9 # 1 2 3 5]
  - C. You should change [0 0 1] (Suspend) is entered to start test.  
: Press [0 0 1]
  - D. You should enter the following keys.  
: Press [0 1 3 0 6 0 0] + [#] + [0 1 1] + [0 1 4] + [0 1 6 3 0 0]
- If you enter the command [0 1 3] you can select the channel.  
ex) [0 1 3 X X X X] ; Under bar means channel number, and channel number must be 4 digits.
  - The command [0 1 1] means carrier on.
  - If you enter the command [0 1 4] you can spread the carrier.

- If you enter the command [0 1 6] you can control the power output level. Following under bar means AGC code. And you can control the power output level using [TALK]/[END/⊙] keys.  
ex) [0 1 6 X X X]
- [#] key means the escape of current command.

#### 800 MHz CELLULAR (AMPS)

- A. To select AMPS mode, you should enter the following keys.
    - 1) Press [4 7 \* 8 6 9 # 1 2 3 5].
    - 2) Press [0 2 2 1 0 0 0 0] + [OK] + [0 0 2]  
ex) [1 0 0 0 0] means SYS\_A, and [1 0 0 0 1] means SYS\_B.
  - B. You should change the phone from normal mode to test mode.  
: Press [4 7 \* 8 6 9 # 1 2 3 5]
  - C. You should enter the following keys.  
: Press [0 1 3 0 3 6 3] + [#] + [0 1 1] + [0 1 8 3 0 0]
- If you enter the command [0 1 3] you can select the channel.  
ex) [0 1 3 X X X X] ; Under bar means channel number, and channel number must be 4 digits.
  - The command [0 1 1] means carrier on.
  - If you enter the command [0 1 8] you can control the power output level. Following under bar means AGC code. And you can control the power output level using [TALK]/[END/⊙] keys.  
ex) [0 1 8 X X X]
  - [#] key means the escape of current command.

### 800 MHz (CDMA)

- A. To select PCS mode, you should enter the following keys.  
1) Press [4 7 \* 8 6 9 # 1 2 3 5]  
2) Press [0 2 2 2 0 0 0 0] + [OK] + [0 0 2]
- B. You should change the phone from normal mode to test mode  
: Press [4 7 \* 8 6 9 # 1 2 3 5]
- C. You should change [0 0 1] (Suspend) is entered to start test.  
: Press [0 0 1]
- D. You should enter the following keys.  
: Press [0 1 3 0 6 0 0] + [#] + [0 1 1] + [0 1 4] +  
[0 1 6 3 0 0]
- If you enter the command [0 1 3] you can select the channel.  
ex) [0 1 3 X X X X] ; Under bar means channel number, and channel number must be 4 digits.
  - The command [0 1 1] means carrier on.
  - If you enter the command [0 1 4] you can spread the carrier.
  - If you enter the command [0 1 6] you can control the power output level. Following under bar means AGC code. And you can control the power output level using [TALK]/[END/Ⓢ] keys.  
ex) [0 1 6 X X X]
  - [#] key means the escape of current command.