

PHONE TEST MODES

AUDIOVOX 9100, 9155

WHEN PHONE TURNS ON, AS SOON AS GREEN LIGHT SHUTS OFF,

Press **FCN** (Right arrow) **00**

IT WILL ASK FOR FSC CODE= **000000** (THAT'S 6 ZEROS)

OK, Highlight **Debug Screen** and press **FCN, FCN**

Signal strength is the top right number.

On 2nd line, if the letter is upper case (i.e. "A"), then the phone is on the 1900 MHz band.

If lower case (i.e. "a") is on 800 MHz

To exit test mode: turn off phone.

BLACKBERRY

OPTIONS, down to status...

Menu, profile, status...very simple

KYOCERA 2035, 2135, 2235, 2255, 5135,

Press **111111** (that is six 1's), select **Options** and press **menu** (the upper right hand star button) or **OK** to select it, select **Debug** and press **menu** or **OK**

Enter field debug code, **111111** or **000000** or **040793** (that is six 1's or 0's), Scroll down to **DEBUG SCREEN** and press **MENU** or **OK**, Scroll to **BASIC** and press **MENU** or **OK**. The signal strength is the last number on the 1st line.

To exit the field test: Select **CLOSE** and press **MENU** or **OK**.

KYOCERA 47, 414, 424, 434, 1135, 2325, 2345, 3225

Press **111111** (that is six 1's), select **OPTIONS** and press **OK**, select **DEBUG** and press **OK**, Enter field debug code, **040793** or **111111** or **000000** (that is six 1's or 0's), Scroll down to **DEBUG SCREEN** and press **OK**,

Scroll to **ON** and press **OK, OK, OK**

The signal strength is the first number on the 1st line.

To exit the field test: Turn off the phone.

LG: VX10, 520, 2000, 3200, 4400, 4500, 4600, 6000

Press **Menu 0**, Enter Service Code is **000000** (That is zero 6 times)

Scroll to **Field Test**, Press **Select**

Scroll to **Service** or **Screen**, Press **Select**

Signal strength is a negative number in the center of the screen.

To exit test mode: turn off phone.

LG SPRINT TOUCHPOINT, 1100, 2100, 2200, 5200, 5250, 5350, 4NE1, 1010, 1200

Press **##33284**. Select **Save** and press **OK**. Select **Service Screen**, and press **OK**. The signal strength is on the 9th line down. (Ex.: Rx, power: -XX)

To exit the test mode, press **End**.

MOTOROLA V60, 120, C331, 343, 353, (most Motorola phones)

Quickly Press **MENU 073887*** (For StarTac 7790 Field Test: [**Fcn**] **0 0 * * TESTMODE [Sto]** SECURITY CODE= **000000** (THAT'S 6 ZEROS), Press **OK**,

Scroll to **"TEST MODE"**

Motorola - StarTac ST7800W series

Debug/Test Menu Setup:

Put into test mode: FCN 00 ** 83786633 STO
559# then 01000100 STO 01#
(you're changing bit 6 from 0 to 1)
Activate debug by just pressing FCN FCN.
This is the debug/test menu.
Use standard scroll and select buttons.

IT IS STRONGLY SUGGESTED THAT CAUTION IS USED!

The only selections that should be used are:

Battery Status Mode

Call Status Mode

Vocorder (13K default, I'd leave it where it is)

Call Status Mode – CDMA

AAA BB C DD EEE

FFF GGG H III JJ

KKK LL MM.MM N

OOO PP Q R

AAA = PN of strongest active pilot

BBB = Ec/Io of strongest active pilot

CCC = Number of pilots in active set

DD = Number of pilots in neighbor set

EEE = Current RF channel

FFF = PN of strongest neighbor pilot

GGG = Ec/Io of strongest neighbor pilot

H = Number of pilots in candidate set

III = Call processing state

JJ = Last call indicator

KKK = Current RF RSSI in dBm

LL = Current transmit power in dBm (N/A if idle)

MM.MM = Frame error rate

N = Dropped call counter

OOO = Current service option

PP = Current SID

Q = Current NID

R = Call counter

Call Status Mode – Analog

AAA BBB X 1 384
CCC DDD X IDL NI
XXXX XXX X XXX 0
0 20 X XXX 0

AAA = Current channel

BBB = Word syncs

CCC = RSSI

DDD = Bad words

Battery Status Mode - not charging

AAA `BX C.CC
DD% EF

AAA = Temp in C

`BX X = below

0 = Discharging main

1 = Charging main

2 = Discharging Aux

3 = Charging Aux

C.CC = Voltage of B+ rail

DD% = percentabe of battery remaining

E = values below

0 = Discharging/destroyed

1 = battery detect

2 = waiting to charge

3 = Rapid charge

4 = Top off charge

5 = Maintenance charge

6 = Paused

F = Values below

L = Lithium

N = NMh

U = Does not recognize

Battery Status Mode – Charging

AA `CBDE.EEV
FFFmAGGGmAHI

AA = Temp in C

B = below

0 = Discharging main

1 = Charging main

2 = Discharging Aux

3 = Charging Aux

D = below

F = Fast charge

S = Slow charge

E.EE = Voltage of B+ rail

FFF = Unphased charge current

GGG = Phased charge current

H = below

0 = Discharging/destroyed

1 = battery detect

2 = waiting to charge

3 = Rapid charge

4 = Top off charge

5 = Maintenance charge

6 = Paused

I = Below

L = Lithium

N = NMh

U = Does not recognize

Test Menu Steps and Option Byte Contents

1. SID

2. A Option Byte

A7 – local use

A6 – preferred system, 0=B, 1=A

A5 – end to end signaling

A4 – markov test override, MSB

A3 – markov test override

A2 – not used

A1 – markov test override, LSB

A0 – min mark, 1 = area code sent

3. MIN Mobile ID Number

4. Station Class Mark

010 = CDMA only, non-slotted

042 = CDMA only, slotted

074 = dual mode, non-slotted

106 = dual mode, slotted

5. Access Overload Class

6. Security Code

7. Lock Code

8. Service Level

9. B Option Byte

B7 = Display Pilot Status. Gives the same display as test menu - call status mode, but stays displayed all the time.

B6 = Enable Test menu

B5 = Paging Channel message filtering

B4 = Portable data logging

B3 = Single serving system scan - only A or only B, depending on step 1 being odd or even (odd A, even B)

B2 = Auto recall

B1 = Disable service levels (call restrictions)

B0 = Lock disable

10. C Option byte

C7 & C6 = no of active NAMs

7 6 #NAMs Programming steps

0 0 1 26

0 1 2 43

1 0 3 60

1 1 4 77

C5 = Test mode enable / Auto Answer

C4 = Auto redial disable

C3 = 3 wire bus speaker disable

C2 = Not used

C1 = Selectable system scan disable

C0 = Diversity antenna

11. AMPS initial paging channel

12. AMPS initial A channel

13. AMPS initial B channel

14. AMPS dedicated paging channels

15. D option byte

D7 = Enhanced scan

D6 = Cellular connection

D5 = long tone DTMF

D4 = Transportable transducer enable

D3 = Not used

D2 = Handset test mode disable

D1 = Fail Page Indication disable

D0 = Word sync scan disable

16. E option byte

E7 = Not used

E6 & E5 = Preferred Mode

6 5

0 0 CDMA only

0 1 CDMA preferred (default)

1 0 Analog only

1 1 CDMA selected (alternate)

E4 = Extended address method enable

E3 = Preferred analog serving system

E2 = configure for mobile termination using home SID/NID pair

E1 = configure for mobile termination while SID roamer

E0 = configure for mobile termination using home while NID roamer

17. Slot cycle index

18. CDMA SID

19. CDMA network ID

20. Mobile Country Code

21. CDMA Primary Channel A

22. CDMA Primary Channel B

23. CDMA Secondary Channel A

24. CDMA Primary Channel B

25. CDMA SID #2

26. CDMA Network ID #2

Common Test Mode Commands

19# - Software Version

38# - ESN

55# - Test Mode Programming

32# - Total Reset

PRL Select

775 FCN, FCN – PRL on/off

Vocorder Select

VOCODE, FCN, FCN

MOTOROLA V60, 120, C331, 343, 353, (most Motorola phones) **Cont.**

SELECT or CHANGE

Scroll to **“ENABLED”**

SELECT

Signal strength is 3RD # down on the left side of screen.

TO GET TO REGULAR WELCOME SCREEN AND KEEP TEST MODE ENABLED:
QUICKLY HIT **“MENU”** THEN BUTTON DIRECTLY TO THE LEFT OF MENU

Nextel Models: i30, i35, i50, i55, i60, i80, i85, i88, i90, i95, i370, i390, i500, i600, i700

Quickly dial: #, *, **MENU, RIGHT ARROW**

Scroll down to **“System Status”** and push **“View”**

Push **“Trace”** so the signal strength will keep updating.

The signal strength is the 2nd # on the 3rd line (Ex: -00db -XXdb)

To exit test mode: turn off phone.

Nextel i205, i305, i530, i730, i736 NASCAR phone series

Quickly dial: #, *, **MENU, RIGHT ARROW**; the phone should display your model #.

Scroll right arrow to the **“TX/RX Power”**.

Push **“Trace”** so the signal strength will keep updating.

The signal strength is the 2nd # on the 2nd line (Ex: -00db -XXdb)

To exit test mode: turn off phone

Nextel i730

Same as above to get into test mode. Press **“OK”** to update signal strength.

Nextel i1000, i2000

Quickly dial: #, *, **MENU, RIGHT ARROW**. Scroll right 6 times to fine signal strength screen. Press **TRACE** to update.

Nokia 12xx, 51xx (except 5125), 61xx, 71xx, 3285, 63xx, etc.

Press ***3001#12345#**

Scroll up 1 to **“Field Test”**, (some phones may say **“Net Monitor”** instead of field test) and **select**

Scroll to **“enabled”** and press **OK**

Turn phone off and then back on.

Signal strength is the upper or lower left number.

After test mode is enabled it will stay in your regular menu. To easily get in or out:

Menu, up 1 to **“field test”** and **select or OK**

Dial **00** to get out and **01** to get back in.

NOKIA 3285, 3360, 6360, (except 3590)

GO THROUGH ABOVE PROCESS... After test mode is enabled it will stay in your regular menu. To easily get in or out:

Menu, up 1 to **“field test”** and **select**

Dial **2100** to get out and **2101** to get back in. (possible 0000 to get out and 2100 to get in)

PANASONIC - Duramax, TX310, TX320

Press **#7764726#**, Press **Send**, Scroll down to where it says “**NAM 1**”, Press **OK**,
Scroll to “**ENTER LEVEL 4**”, Press **YES**. Scroll to “**BUILT IN MONITOR**”

Press **EDIT, CLEAR, 1, OK** Press **BACK**

“**BACK TO LEVEL 1**”...**YES...EXIT**

SAVE CHANGES **YES**. Signal strength is the top right number.

To get out of test mode, follow the same sequence: **EDIT, CLEAR, 0, OK**

Samsung: N240

Enter **## 33284**, press **OK**, select “**Debug Screen**”, press **OK**. Signal strength is 2nd # on
2nd line. (IE. T-XX Do **XX**-05)

To exit: turn off phone

Samsung: A310

Press Menu, 0, *

Then enter code “000000” (six zeros)

Choose “Debug”, 4th line, last #

Samsung: A460, 3500, A540

Press **Menu, 9, 0**, enter Lock Code: **040793**, select “**Debug Screen**” and press **OK**,

Signal strength is the 2nd # on the 2nd line down

To exit test mode: turn off phone.

Samsung: A500,

Press **Menu 101**, enter **040793**, Select “**Debug Screen**”.

Signal strength is the 2nd # on the 2nd line down

To exit test mode: turn off phone.

Sanyo: 4900, 5150, 5300, 6200, 6400, 8100

Press **##040793 Menu**

Scroll to “**Save Phone#**”, Press **OK**

Select “**Screen**”, press **OK**

Signal strength is the 4th line down: **Rxlev: -XX.X dB**

Press and hold the top right or left button to keep the field test screen from flashing.

To exit test mode: turn off phone.

Sanyo: 5400, 7300, RL2500, RL7300

Press **##040793**, Menu and then select “screen”

You may have to press up arrow to keep from flashing in and out. (With 7300 you may
need to make a call to keep from flashing in and out. Any fake number works fine.)