

Cell Phone Test Mode Instructions

NOTE: Signal strength, measured in decibels (dB), is expressed as a negative number. On some phones, the number may show as positive in test mode. In such cases, convert it to negative. Foreexample, 60 dB is actually -60 dB. The higher the number, the stronger the signal. Thus, -60 dB is a stronger signal than -75 dB. Anything less than -90dB is considered a weak, unusable signal. Our products require at least a -90dB rating at the external antenna or better.

Audiovox 8300, 8500, 8600, 8615

Press ##2773 and press END. Scroll down and select DEBUG. The signal strength is the 4th line down (for example, Rx-84). To exit, press the END key again.

Audiovox 8900, 8915

Press ##27732726 and press END. Scroll down and select DEBUG. The signal strength is the 4th line down. (for example, Rx-79).

Audiovox 9100, 9155

When phone turns on, as soon as green light shuts off, press FCN (right arrow) and 00. It will ask for FSC Code. Press 000000 (six zeroes). Press OK. Highlight DEBUG SCREEN and press FCN, FCN. Signal strength is the top right number. On 2ndline, if the letter is upper case (for example, "A"), then the phone is on the 1900MHz band. If lower case ("a") it is on 800MHz. To exit test mode, turn off phone.

Audiovox CDM-9900

Power the phone off and then back on again. Quickly Press MENU, 7, *, *. FSC Code is 000000 (six zeros). Press SELECT Key (middle button). Select DEBUG SCREEN. Select NORMAL. Signal strength is on the second line after RX. You may have to dial a fake phone number (for example, 555-1234) to get the Rx level to update. Press POWER OFF to exit.

Audiovox UTSTARCOM / HTC PPC-6600, PPC-6700

From the phone screen, press ##33284# or ##33284 and press DIAL. The signal strength will be after RSSI or RX level.

Blackberry

Press TOOLS, SETTINGS, STATUS or OPTIONS, STATUS. This feature is also available on GSM models. The top line is the signal strength in -dBm.

Cingular HTC Wizard 8125, 2125

Enter ***364*** and your phone will enter test mode. Signal strength follows RSSI. Number shown is not -dBm. Strong signal is 31 (approx -50dBm), weak signal is 4 (approx -105dBm). The higher the number, the stronger the signal. Press END or DONE to exit.

Cingular (Samsung) BlackJack

At the home screen, type in *#0011# and the information will pop up (do not hit ok or anything else after entering key sequence.)

Cingular 8525, 8520 Run the application "FieldTest.exe" in the windows folder. Scroll to "RSSI 1" near bottom of phone for received signal dBm. Strong signal is high 30's, weak signal is low teens.

HP 6315

Click on START. Select SETTINGS from the drop-down screen. Select SYSTEM tab at the bottom of the screen. Scroll down to SELF TEST and select. Unmark all option boxes except GSM/GPRS and click START. When the phone displays GPRS CONNECT NOW? select NO. The 8th line down displays signal strength. Click REFRESH to update signal.

Kyocera 2035, 2135, 2235, 2255, 5135

Press 111111 (six ones). 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 (six ones or zeros) or 040793. 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 K9, 47, 414, 424, 434, 484, 494, 1135, 2325, 2345, 3225

Press 111111 (six ones). Select OPTIONS and press OK. Select DEBUG and press OK. Enter field debug code, 111111 or 000000 (six ones or zeros) or 040793. 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.

Kyocera KX1 (SoHo), KX2 (Koi), KX16 (Candid), 7135

Press 111111 (six ones). Select OPTIONS. Scroll to SERVICE and press OK. Scroll down to DEBUG and press OK, Enter 000000 and scroll to DEBUG SCREEN. Press OK(*), select ON and press OK. Press NEXT. The signal strength is on the 2nd line (for example, Rx: -79). To exit, press END and follow beginning instructions to * and select OFF.

LG Phones (except Sprint) 5200, AX-490 etc.

Press MENU, 0. Service Code, 000000 (six zeros). Select FIELD TESTS. Select SCREEN. Look for the line that says RX POWER. To exit, press the CLEAR or BACK button. (Note: Some phones will require that you power the phone off. On others, you will need to take the battery off and put it back on again.)

LG LX-350, LX-550 Fusic (Sprint)

Enter ##33284#. Select Service Screen from Debug menu. Signal is after Rx power. Press CLR to exit or power off. Note: The Fusic has a special service code that you must get from Sprint.

LG 510

Press MENU, 3, 0. Enter Service Code, 000000 (six zeros). Scroll to TEST MODE. Press SELECT. Scroll to READ RSSI. Press SELECT. To exit test mode, turn off phone.

LG PM-225, PM-325, MM-535, LX5400 Press ##33284# or ##33284 then press the blue OK button. If asked for a password, it is usually 040793 or 000000. Choose DEBUG SCREEN. Signal strength is after RxPower. Press Clear or power off to get out.

LG (VX Series only) VX10, 520, VX2000, 3100, 3200, 4400, 4500, 4600, 4700, 5550, 6000, 6100, 7000, 8000 VX-8500 Chocolate
Press MENU 0. Enter Service Code, 000000 (six zeros). 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, 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 (for example, Rx power: -XX). To exit the test mode, press END.

Motorola C290 (Sprint)
Enter ##33284#. Enter Field Service Code, 040793 and press OK. Signal strength is 3 rd line down in front of MN/A or HN/A. To exit, POWER OFF.

Motorola V60, 120, E310, C331, 343, 353, M800 Bag phone, (most Motorola non-GSM phones) Quickly press MENU 073887*. SECURITY CODE= 000000 (six zeros) or 123456. Press OK. Scroll to TEST MODE, SELECT or CHANGE. Scroll to ENABLED, SELECT. Signal strength is 3rd number down on the left side of screen. To exit, quickly hit MENU, then the button directly to the left of MENU.

Newer Motorola CDMA phones (W315, v262, v710, E815, V265, V3 RAZR, KRZR, etc)
Quickly press MENU 073887* (OSETUP*). For RAZR, KRZR use #073887*. For V323, V325, W315 use CLR 073887*. Default Security Code: 000000 or 12345. Press OK or SELECT. From the menu, select TEST MODE. From the next screen highlight ENABLED. Press OK or SELECT. The phone will then return to TEST MODE MENU. Power the phone off and then back on. The signal strength number will be on the 3rd line down followed by the letters MN/A, H/A or HN/A. To exit, press MENU followed by the left soft key. This allows you to toggle in and out. For RAZR, KRZR, V325, V323, W315, press CLR and then the upper left soft key. For newer models such as the E815 and RAZR it may be necessary to dial a fake phone number to get the signal reading to update.

Motorola Q Enter ##*, then press SEND. Highlight CALL STATUS SCREEN and press OK. Signal strength is the first number on the 3rd line down. Note: This screen also shows EvDO Data readings. Press OK and then EXIT to exit.

Motorola V551, V555, V557 (GSM phones) Press Menu 073887* VERY QUICKLY. Security code 000000. Highlight "Test Mode" and press OK. Highlight "Enabled" and press OK. The phone will return to the menu. Power the phone off and on. Phone will show signal strength on the second line down, last number. For example, 67061B indicates a -061dBm received signal strength. To toggle display on/off press Menu and then the left soft key. To Exit follow instructions above but chose "Disabled." Note: If "Browser Setup" is the only option in the menu then test mode is not available on your phone.

Motorola StarTac Press FCN00** very quickly. Continue to press 83786633 and the STO button. The phone should display US. (If not, the FCN00** wasn't done fast enough). Press 45# to display the signal strength. This number is not actually a dB reading, but is referencing the dB strength. 45# should be pressed every time you wish to see the updated signal reading. The signal strength is between 65 and 150. Signal is the best at 150. To exit test mode, press 01#.

Motorola T720, T721, T730, T731 Follow the process for V60 phones. Turn off phone off, then back on. Press MENU and the button left of the MENU button in quick succession. The signal strength is the 3rd number down on the left side.

Nextel, Mike SouthernLINC (Motorola iDEN Phones) Quickly dial #, *, Menu, RIGHT ARROW. Scroll down to System Status or RX Status, press "View." NOTE: On some phones you will push TRACE or MENU so the signal will automatically update. Other phones you will have to press BACK to return to the Menu and then choose RX Status again to manually update. On the RX STATUS Screen the top decimal number is your Signal Quality Equivalent (SQE). This number needs to be as high as possible between 25.00 to 35.00. Your signal strength is the second number on the second or third line down. An example would be -00dB -78 where -78 is your signal strength. To Exit turn the phone off.

Nextel Models i30, i35, i50, i55, i60, i80, i85, i88, i90, 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 number on the 3rd line (for example, -00db -XXdb). To exit test mode, turn off phone.

Nextel Models i205, i215, i285, i305, i315, i325, i530 Quickly dial #, *, MENU, RIGHT ARROW; the phone should display your model number. Scroll down to the TX/RX Power. Push TRACE so the signal strength will keep updating. The signal strength is the 2nd number on the 2nd line (for example, -00db -XXdb). To exit test mode, turn off phone.

Nextel i710, i730, i733, i736, i830, i836 Quickly dial #, *, MENU, RIGHT ARROW; the phone should display your model number. Scroll down to the TX/RX Power. Push TRACE so the signal strength will keep updating. The signal strength is the 2nd number on the 2nd line (for example, -00db -XXdb). To exit test mode, turn off phone. Press MENU to update signal strength. For i830: Follow the standard #, *, MENU, RIGHT ARROW. Select RX STATUS. This phone does not automatically update so you will need to back out to the menu and go back into RX STATUS to update the screen.

Nextel i1000, i2000 Quickly dial #, *, MENU, RIGHT ARROW. Scroll right 6 times to find signal strength screen. Press TRACE to update.

Nextel (Sprint) IC402, IC502 Enter ##33284#. Field Service Code 040793 Press OK Signal Strength is third line down, first set of numbers (i.e. 81HN/A is -81dBm) To exit turn phone off.

Nokia 12xx, 51xx (except 5125), 61xx, 62xx, 71xx, 3285, 63xx, etc. (This is for older TDMA/CDMA phones. This will not work on newer GSM phones)

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, press MENU, up 1 FIELD TEST and SELECT or OK. Dial 00 to get out and 01 to get back in.

Nokia 2100 Press *3001#12345#, MENU, 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, press MENU, up 1 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, press MENU, up 1 to FIELD TEST and SELECT. Dial 2100 to get out and 2101 to get back in (possibly 0000 to get out and 2100 to get in).

Nokia 6215i, 6315 ##2773 then press END. User Lock Code: 000000. Signal Strength follows RX. Press END to exit.

Nokia 6255, 6256 and newer CDMA Nokia phones Follow the regular Nokia instructions above (*3001#12345#, etc). When you power the phone back on, select NET MONITOR from the menu and enter 3202 in the entry field and press OK to get to the test mode screen. It will show 32-02 in the upper corner of the display. Signal strength is the left negative number. Go back to NET MONITOR and enter 0000 to get out. (Sprint Nokia phones: ##33284#.)

Palm Treo 600, 650, 700p, 700w(x) (Verizon and Alltel)

Sprint: Press ##33284 and DIAL. The signal strength (RSSI Value) is on the first line. To exit, press CANCEL. Verizon/Alltel: Press ##33284 AND dial. The signal strength (RSSI Value) is on the first line. To exit, press CANCEL. Cingular: Press #*744625. The signal strength (RSSI Value) is on the first line. To exit, press CANCEL.

Panasonic - Duramax, TX310, TX320 Press #7764726#. Press SEND. Scroll down to where it says NAM 1 and 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.

Pantech (CDMA Phones Only) PN-210, PN-215, PN-218Dial ##2773 then press the END key. Security Code: 000000 (six zeros). Signal strength follows RX level or RX power.

Samsung A310 Press MENU, 0, *. Enter code, 000000 (six zeros). Choose DEBUG. Signal strength is on the 4th line, last number.

Samsung A460, 3500, A540

Press MENU, 9, 0, and enter Lock Code, 040793. Select DEBUG SCREEN and press OK. Signal strength is the 2nd number on the 2nd line down. To exit test mode, turn off phone.

Samsung A500, N400 Press MENU 010. Enter 040793. Select DEBUG SCREEN. Signal strength is the 2nd number on the 2nd line down. To exit test mode, turn off phone.

Samsung A530 Press MENU, 9, *. Enter Field Service Code, 000000 (six zeros). Select DEBUG SCREEN. Signal strength is on the line that says T-63 D089, for example, D089 is -89 dBm. To exit, turn power off.

Samsung A640 Enter ##33284#. The phone asks for a 6 digit security code which you will need to get from Sprint. After entering it the phone will go into the test mode screen. Your signal strength is on the line that says T-xxD0xx. To exit, turn off phone.

Samsung A650, N330 Press MENU, 9, *. Enter Field Service code, 000000 (six zeros). Select DEBUG SCREEN and press OK. Signal strength is on the 5th line, 2nd number (for example, T-65 D085. This means 085dBm). The number omits the negative. To exit, turn off phone.

Samsung A620, A660, A860 Enter ##33284 and press OK. Enter Security Code 040793. Select DEBUG SCREEN and press OK. Signal strength is 2nd number on 2nd line (for example, T-63 D085-5. This means -085dBm). To exit, turn off phone.

Samsung A670, A570 Press MENU, 7, *. Enter Service Code, 000000 (six zeros). Select DEBUG SCREEN. Signal strength is on the 1st line. To exit, turn off phone.

Samsung A560, A740, A760, A840, A880, P207 Enter ## 33284#, press OK. Enter security code 040793. Select DEBUG SCREEN and press OK. Signal strength is 2nd number on 2nd line (for example, T-XX Do XX -05). To exit, turn off phone.

Samsung A790 Enter ##33284#. Enter Service Code, 040793. Signal strength is after the D. To exit, turn off the phone.

Samsung A850, A930, A950 (Verizon) Press MENU (blue center button). Scroll to SETTINGS & TOOLS (tools icon) then press the POUND key (#). Enter User Lock Code, 000000 (six zeros). Select DEBUG SCREEN. The screen will read something like T-63 D079. The number after D is the signal strength (for example, D079 is -79dBm). To exit, switch the power off.

Samsung A900, A920 and A570 Enter ##33284# or ##33284, then press the blue OK button. Enter Field Service Code, 040793 or 000000 (six zeros). Choose DEBUG SCREEN or FIELD TEST and then SCREEN. Signal strength is after the D (for example, T-63 D089). (Note: the A900 appears to go right into the test screen after the 040793 is entered.)

Samsung E105, E316, E317, X426, X427, S300, S307 (GSM) Enter *#9324#. Signal strength is last number on the 4th line. The number omits the negative. To exit, turn off phone.

Samsung i607, SGH-i607, BlackJack At the home screen, type in *#0011# and the information will pop up (do not hit ok or anything else after entering key sequence.)

Samsung I730 (Verizon) In phone mode, enter **33284 and the Security Code, 000000 (six zeros). Choose MONITOR. The receive signal follows R-on the screen; transmission signal follows T-.

Samsung Katana Enter ##33284#. Select SCREEN. Dial a fake phone number to get the phone to update. Signal strength is on the line that says RX Level. To exit, turn the phone off.

Samsung N240 Enter ##33284 and press OK. Select DEBUG SCREEN and press OK. Signal strength is 2nd number on 2nd line (for example, T-XX Do XX -05). To exit, turn off phone.

Samsung U520 Press MENU (OK Button), 9, 0. User Lock Code: 000000 (six zeros). Choose DEBUG. Signal strength is 2nd number on 2nd line (for example, T-63 D085-5. This means -085 dBm). To exit, turn off phone.

Sanyo KATANA Enter ##33284#. Select SCREEN. Dial a fake phone number, such as 555-5555, to get the phone to update. Signal strength is on the line that says RX Level. To exit, turn the phone off. CANADIAN Katana: ##786# Press OK.

Sanyo 4500 (not VM4500) Scroll down to DISPLAY and press OK. Press 0 (zero). Service Code, 040793 Select SCREEN and press OK. Signal strength is the negative number at the bottom (for example, -97). To exit test mode, turn off phone.

Sanyo 4900, 5150, 5300, 6200, 6400, 8100 Press ##040793, MENU. Scroll to SAVE PHONE # and press OK. Select SCREEN and press OK. Signal strength is the 4th line down (for example, 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 the UP arrow to keep from flashing in and out. (With 7300 you may need to make a call to keep it from flashing in and out. (for example, 555-1234)

Sanyo RL-4920, RL-4930, MM7400, PM8200, SCP-3100 Press ##786#. At the screen that appears, press OK. Select SERVICE SCREEN and press OK. The phone will display two lines of information. Dial 555-5555 and press SEND. (Any fake number will work.) Signal strength is the number on the 4th line (for example, RxLev: -82.1 dBm). To exit test mode, turn off phone.

Siemens S46 (TDMA) Press MENU. Select MONITOR, RSSI, -XX. Test mode also tells frequency. To exit, press the power button as the back button. To force TDMA, press MENU. Scroll to NETWORK. Scroll to USER SETTING. Scroll to TDMA ONLY and press OK.

Sprint PPC 6700 Run application FieldTrial.exe located in WINDOWS folder.

Sprint Franklin CDU-550, Novatel U720 On the Sprint Software: Click Menu, Click Device Info & Diagnostics, Signal strength is on the line that says "Communication Mode" or "Signal Strength."

VERIZON Access Manager Once connected place your mouse cursor over the bottom signal reading (bars). A little window will pop up with a signal strength in -dBm.

Option GT Max Signal Strength is below the bars on the main screen.

About Harris Communications

Harris Communications is a national company based out of Charlotte, NC that specializes in wireless *in building* cellular signal enhancement and wireless solutions for commercial applications. They have over 17 years of experience and have implemented wireless enhancement solutions in facilities throughout the United States. Harris Communications is a turnkey company and handles every aspect from the design, installation and maintenance of their systems. For more information visit: www.harriscommunications.net

