CellularSolutions
SIGNAL ENHANCING SPECIALISTS

PHONE TEST MODES

Apple iPhone
In phone mode dial *3001#12345#* then press CALL
The Field Test Screen will appear. Select "Cell Information." Signal strength is on the top line after RX-. Frequency follows FQ and is based on the channel number (i.e. 100-200 is 800MHz and 500-700 is 1900MHz). The top line displays information about the tower you are using. The lines below display info about your neighboring towers.
or
In phone mode dial *3001#12345#* then press CALL
Where the bar signal strength reading is displayed will convert into a numeric signal strength reading.

Audiovox 8300, 8500, 8600, 8615
Press ##2773 then press the END key. Scroll down and select DEBUG. The signal strength is the 4th line down. (For example Rx:-87). To exit, press the END key again.

Audiovox 8900, 8915, Pantech PN-3200
Press ##27732726, press the END key. Scroll down and select DEBUG. The signal strength is the 4th line down. (For example Rx-96)

Audiovox 9100, 9155
When phone turns on, as-soon-as a green light shuts off, press FCN (right arrow) 00. It will ask for FSC Code. Press 000000 (six zeros). Press OK. Highlight DEBUG SCREEN and press FCN, FCN. Signal strength is the top right number. On 2nd line, 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,*,*. The 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, 555-5555) to get the Rx level to update. Press POWER OFF to exit.

Audiovox UTSTARCOM/HTC PPC-6600, PPC-6700, XV-6700
From the phone screen, press ##33284# or ##33284 and press DIAL Signal strength will be after RSSI or RX level.

Audiovox UTSTARCOM G'ZOne
Unable to put this phone into test mode.

Blackberry (models 8700 etc.)
From the main menu highlight and select OPTIONS and then select STATUS from the next menu. The top line is the signal strength (i.e. -78dBm). Note: GSM and iDEN models also have this feature.
or
Press TOOLS, SETTINGS, STATUS or OPTIONS, STATUS. This feature is also available on GSM models. The top line is the signal strength in –dBm. GSM and iDen models also have this feature.

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.

HTC Touch Mogul
##33284#

T-Mobile HTC DASH/EXCALIBER/S620
Enter *#*#364#*#* and your phone will enter test mode. Signal strength follows RSSI. This test mode does not show –dB. Strong signal is 31 (approx -50 dBm), weak signal is 4 (approx -105 dBm), so the higher the number (31 vs. 4), the better the signal. Press END or Done to exit.

Cingular Samsung BlackJack SGH-i607
At the home screen, type in *#0011# and the information will pop up (do not hit ok or anything else after entering sequence). Top line is frequency. 5th line down is RSSI value.

AT&T/Cingular HTC Wizard, 8125, 2125, 8525
Enter *#*#364#*#* and your phone will enter test mode. Signal strength follows RSSI or "RSSI 1". This test mode may or may not show –dB. If not, strong signal is 31 (approx -50 dBm), weak signal is 4 (approx -105 dBm), so the higher the number, the stronger the signal. Press END or Done to exit.

AT&T/Cingular 8525, 8520
Run the application "Field Test.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.

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 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 (six zeros) 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:-87). To exit, press END and follow beginning instructions to * and select off.

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.

LG CDMA Phones: Verizon, Alltel & US Cellular (except Sprint) 5200, etc (VX, UX, AX Series – VX10, 520, VX2000, 3100, 3200, 3300, 4400, 4500, 4600, 4700, 5550, 6000, 6100, 7000, 8000, 8300, VX-8500 Chocolate, VX 9900 EnV)
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 on the line that says RX Power or RX Level. On some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode, press CLEAR, END or simply turn off the phone. (Note: Some phones you will need to take the battery off and put it back on again.)

LG CDMA Alternative Test Mode for Newer 2007/2008 models (for LG models that do not accept the MENU, O command); LG VX-8600
Press ##7764726xxxx then press SEND (xxxx=your model number. For example, if you have a LG VX5300 the code is ##77647265300 or ##PROGRAM5300) Service Code, 000000 (six zeros). Scroll to FIELD TEST. Press SELECT. Scroll to SERVICE or SCREEN. Press SELECT. Signal strength is on the line that says RX Level. On some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode push CLEAR, END or simply turn off the phone. (Note: On some models you will need to power the phone off. On others, you will need to take the battery off and put it back on again.)

LG CDMA Phones Sprint Only:
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. Please note: Certain newer phones have a special service code that you must obtain from Sprint. Press CLR to exit or power off.

Sprint LG PM-325/225, LG MM-535, LG 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 to get out or power off.

LG VX-5300
Press MENU, 0. Enter Service Code, 000000 (six zeros). Scroll to FIELD TEST. Press SELECT. Scroll to SERVICE or SCREEN. Press SELECT. Signal strength in on the line that says RX Level. On some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode, push CLEAR, END or simply turn off the phone. (Note: On some models you will need to take the battery off and put it back on again.)

LG VX-8350
Press ##77647268350, then press SEND (##PROGRAM8350 SEND). Service Code: 000000 (six zeros). Scroll to FIELD TEST. Press SELECT. Scroll to SCREEN. Press SELECT. Signal strength is on the line that says RX Level. On some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode push CLEAR, END or simply turn off the phone. (Note: On some models you will need to take the battery off and put it back on again.)

LG VX-8700
Press ##77647268700 then press SEND (##PROGRAM8700 SEND). Service Code, 000000 (six zeros). Scroll to FIELD TEST. Press SELECT. Scroll to SERVICE or SCREEN. Press SELECT. Signal strength is on the line that says RX Level. On some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode push CLEAR, END or simply turn off the phone. (Note: On some models you will need to take the battery off and put it back on again.)

LG V (VX-9800) Note: must be done with the keyboard open
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 on the line that says RX Level. On some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode, push CLEAR, END or simply turn off the phone. (NOTE: On some models you will need to take the battery off and put it back on again.)

LG EnV (VX-9900) Note: Must be done with the keyboard open
Press ##77647269900 SEND. Enter Service Code, 000000 (six zeros). Scroll to FIELD TEST. Press SELECT. Scroll to SERVICE or SCREEN. Press SELECT. Signal strength is on the line that says RX Level. On Some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode push CLEAR, END or simply turn off the phone. (Note: On some models you will need to take the battery off and put it back on again.)

LG Voyager (VX-10000) Note: must be done with the keyboard open
Press ##776472610000 SEND (**##PROGRAM10000 SEND**) Enter Service Code, 000000 (six zeros). Scroll to FIELD TEST. Press SELECT. Scroll to SERVICE or SCREEN. Press SELECT. Signal strength is on the line that says RX Level. On some newer phones you will want to make a phone call while in the test mode to get the numbers to update. To exit test mode push CLEAR, END or simply turn off the phone. (Note: On some models you will need to take the battery off and put it back on again.)

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 CG300, C1300, L1400, C2000 (GSM Phones)
Enter 2945#*#. Choose "Eng Mode" (Option 4) Press OK. Then choose "Cell Environ" (Option 1) Press OK. The Cell Environ screen will appear with some information about your tower. Signal strength for the tower you are using is on the top left line and is displayed in 2 digit format that is not dBm (the higher the number the better). The lines below are neighboring towers. The channel number which shows frequency (i.e.G598) is also displayed on the same line. Press END to exit.

LG CU400, CU500, TU550 (GSM Phones); Shine CU720, Vue CU915, CU920 (AT&T Touch Screen Phones)
Enter 277634#*#. Choose "Modem Setting" (option 5) Press OK. Then choose "Engineer Mode" (Option 3). Press OK. A yellow window will appear with some information about your tower. Signal strength follows RSSI. If you arrow down four times (using the little telephone key) you will see another screen that will display the RSSI and the Band you are using (i.e. PCS_1900). Press END twice to Exit.

LG LX-350, LX-550 FUSIC (Sprint)
Enter ##33284# Select Service Screen from the Debug menu. Signal is after Rx power. Press CLR to exit Test Mode or power off
Please note: The Fusic phone has a special service code that you must get from Sprint.

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 KRZR K1 (GSM)
Press CLR 073887* very quickly. Security Code 000000. Highlight "Test Mode". Press OK. Highlight "enabled" press OK. The phone will return to the menu. Power the phone off and on again. Phone will show signal strength on the second line down, last number (example 67-061B. -061 is the signal strength). To toggle in and out: Press # and then the upper left key with the dot on it.
To exit: Follow above instructions and chose "disabled."
Please Note: If "Browser Setup" is the only option in the menu, then test mode is not available on your phone.

Motorola CDMA phones (V262, V710, E815, V265, V3 RAZR, KRZR, etc.)
Quickly press MENU 073887*(0SETUP*). Security Code 000000.
Instructions for Specific Phones
For RAZR V3c, V3m, V3maxx VE, W385 press: #073887*.
For KRZR K1m press CLR 073887*
For V323, V325, W315 use CLR 073887*. Security Code: 000000 or 12345.
For Sprint V3m MOTORAZR use ##33284# Security code 040793
For Canadian Telus RAZR uses ##33284. The phone will ask for a password (security code) which you will need to get from Telus.

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After entering security code. 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 again. The signal strength will be on the third line down, first set of numbers (i.e. 090 equals -90 dBm) MN/A, H/A, or HN/A. To toggle in and out of test mode press MENU followed by the upper left soft key.

For RAZR, KRZR, V323, V325, W315, W385 press CLR and then the upper left soft key.

<u>Please also note:</u> For newer models such as the **E815** and **RAZR** it may be necessary to dial a fake phone number (for example, 555-5555) to get the signal reading to update.

<u>To Exit:</u> Follow the above instructions and choose DISABLED

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

Motorola Q VERIZON
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.

<u>Please note:</u> On the newer Motorola Q you may need to enable test mode by entering ##073887* then push SEND. Select TEST MODE, then ENABLED. Power the phone off. Once the phone powers on, enter ##* code.

Motorola Q SPRINT
In phone mode Enter ##33284#. You may have to Hit SEND. Select Call Status Screen. OK. To exit choose the EXIT option.
For Telus ##33284 SEND. Need lock code from Telus.

Motorola M800 Bag Phone, V60, 120, E310, C331, 343, 353 (most older Motorola CDMA phones)
Quickly enter MENU 073887*. SECURITY CODE=000000 (six zeros) or 123456. Press OK.
Scroll up to TEST MODE. Select or Change.
Scroll to ENABLE from the next menu or screen. Press OK or SELECT. The phone will automatically enter the test mode.
The signal strength will be on the third line down, first set of numbers (i.e. 90 MN/A) on the left side of screen. To EXIT press Menu quickly followed by the button directly to the left of it. Then follow the procedure above and choose "Disabled" to exit completely out of test mode.

Motorola T720, T721, T730, T731
Follow the process for V60 phones. Turn 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 on the left side.

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, turn off phone or press 01#.

Motorola V551, V555, V557 (GSM phones)
Press Menu 073887* very quickly. Security code 000000. Highlight "Test Mode" Press OK. Highlight "Enabled" Press OK. The phone will return to the menu. Power the phone off and on again. Phone will show signal strength on the second line down, last number (Example 67-061B. -061 is the signal strength). To toggle in and out: Press Menu and then the key to the left (soft key). To Exit: Follow above instructions and choose "Disabled." <u>Please Note:</u> If "Browser Setup" is the only option in the menu, then test mode is not available on your phone.

Motorola W315
Quickly press Clear (C) 073887*. Security Code:000000. Press OK. Select "Test Mode" from the Programming Menu. Press CHANGE. Highlight "Enable" and press SELECT. The phone will return to the Programming Menu. Press END (Red Key). The test mode will appear automatically. Signal strength is on the 3rd line down, first set of numbers (i.e. 0815 is a -81 dBm [the last digit is a decimal form and is not needed]. To exit, follow the procedure above and this time choose "Disable."

Nextel, Mike, SouthernLINC (iDEN Phones)
Quickly dial #, *, Menu, Right Arrow.
Scroll down to System Status or Rx Status, press "View"
<u>NOTE:</u> 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 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 -90 where -90 is your signal strength. To Exit turn the phone off or hit "Back" until you return to the main screen or turn the phone off.

Hybrid Nextel (Sprint) IC402, IC502, IC902
Enter ##33284#. Field Service Code 040793 Press OK
Signal Strength is third line down, first set of numbers (i.e. 84HN/A is a -84 dBm) To exit turn phone off.
Please note that this signal strength is for the phone service only.

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 2nd line or 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 AROW; 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
Same as above to get into test mode. Press MENU to update signal strength.

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

Nextel 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.

Nokia 12xx, 51xx (except 5125), 61xx, 62xx, 71xx, 3285, 63xx, etc. (Older TDMA/CDMA phones-doesn't 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 enable 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 (or possible 0000 to get out and 2100 to get in).

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

Nokia 6255, 6256 and newer CDMA Nokia phones
Press *3001#12345#. Scroll 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. After powering the phone back on Press Menu and select NET MONITOR. Dial 3202 in the Group/Display box and press OK to get to the test mode screen. Signal strength is the left negative number. Go back to NET MONITOR and enter 0000 (four zeros) then press OK to get out. (**Sprint Nokia phones: ##33284#**.)

Nokia 6305i
Press Menu (OK), 0. Service Code 000000. Press OK. Choose DEBUG SCREEN. Press OK. Signal strength is after RX= or RSSI=. This screen also shows EVDO RSSI. To exit, power phone off.

Palm Treo 600, 650, 700p, 700w(x)
Alltel & Verizon: From the phone screen, dial #*#33284# or #*#33284 and press SEND. The signal strength (RSSI value) is on the first line. To exit, press CANCEL.

AT&T/Cingular: Press #*744625 and press SEND. The signal strength (RSSI Value) is on the first line. To exit, press CANCEL.

Sprint and Telus models: Enter ##33284# or ##33284 and press SEND.
Signal strength is after the RX Level or RSSI value indicator. To exit, press Clear, Cancel or power the phone off. NOTE: This screen also shows the carrier frequency.

Palm Pre (Touch Screen for Sprint Only): Enter ##33284 and press SEND. Signal strength is after RSSI. To exit, press Clear, Cancel or power the phone off. Note: This screen also shows the carrier frequency.

Palm Treo 680
Press #*744625. Signal strength follows RSSI or "RSSI 1". This test mode may or may not show –dB. If not, strong signal is 31 (approx -50 dBm), weak signal is 4 (approx -105 dBm), so the higher the number, the better the signal. Press END or Done to exit.

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-218
Press ##2773 then press the END key. Security code: 000000 (six zeros). Signal strength follows RX level or RX power.

Pantech PN-3200
Press ##27732726, press END key. Scroll down and select DEBUG. The signal strength is the 4th line down. (For example Rx-96)

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, N330
Press MENU, 9, *. Enter field service code, 000000 (six zeros). Select DEBUG SCREEN. Signal strength on the line that says T-63 D089 (for example, D089 is -89dBm). 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 test mode screen. Your signal strength is on the line that says T-63 D089 (for example, D089 is -89dBm). To exit, turn off phone.

Samsung A650, A630, 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 DO85. This means -085 dBm). The number omits the negative. To exit, turn off phone.

Samsung A620, A660, A860, M300
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 -085 dBm) 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 SYNC A707, A717, A727
Press *#0011#. The phone will enter Test Mode. Signal strength follows P: (i.e. P:-73). This screen will also show the frequency being used (i.e. GSM 1900). The screen will automatically update itself. To exit, press the END key.

Samsung A560, A740, A760 (Sprint), A840, A880, P207, SCH-R500 (Hue)
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 D089. D089 is -89dBm). To exit, turn off phone.

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

Samsung A740, A850, A930, A950, U740, A870 (SCH-U740 Verizon)
Press MENU (blue center button). Scroll to SETTING & 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 D089. The number after the D is the signal strength (for example, D089 is -89 dBm). To exit, turn 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 0404793 is entered.)

Samsung A517, D347, D807, E105, E316, E317, X426, X427, X475, S300, S307 (GSM)
Enter *#9324#. Signal strength is the last number on the 4th line. The number omits the negative. To exit, turn off phone.

Samsung BlackJack SGH-i607; A412, BlackJack II
Option 1: On the main screen press *#0011# and an information screen will appear (do not hit ok or anything else after entering sequence). Top line is frequency. 5th line down is RSSI value.

Option 2: In the Windows folder open the folder called "Test Mode" and run the file by the same name. Signal strength will follow RSSI. This screen will also show the frequency which you are operating on. Simply select EXIT to get out of this screen.

Samsung I730, I760 (Verizon); Omnia I910
In phone mode, enter **33284 and the security code 000000 (six zeros). Press OK. Choose MONITOR. The receive signal follows R- on the screen (i.e. R 83 is a -83dBm); transmission signal strength follows T-.

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 M800 Instinct (Sprint)
Enter ##33284# and the security code: 040793. Select DEBUG SCREEN and press OK. Signal strength is 2nd number on 2nd line (for example, T-63 D085-5 means -085 dBm. To exit, turn phone off.
Please note: If your phone does not accept 047093 code then you will need to get a code from Sprint.

Samsung U340, 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.

Samsung U540
Press MENU. Choose "Phone Settings" and press #. User lock code: 000000 (six zeros). Choose Field Test Mode and then DEBUG. Signal strength is on the line that says: T-xx Dxxx. To exit, turn off phone.

Sanyo Katana (USA) / Sanyo M phone
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), 4700
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). Press END to update. 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.XdB). 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. For example, 555-5555).

Sanyo RL-4920, RL-4930, MM7400, MM8300, PM 8200, SCP-3100, SCP-7000 or Newer Sanyo phones not listed above:
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:-89.6 dBm). To exit test mode, turn off phone.

Sanyo PM-8200
##33284 OK

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
Please see UTSTARCOM (Audiovox)
Or   Run application FieldTrial.exe located in WINDOWS folder.

AIRCARDS/MODEMS

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 signal strength in – dBm.

AT&T/CINGULAR Option GT Max and other AT&T cards
Signal Strength is below the bars on the main screen.

If you do not see your phone model listed:
- Try using the field test mode for other phones from the same manufacturer.
- Not all phones have a user accessible field test mode, GSM phones in particular.
- Some carriers lock out/remove field test mode.
- If the code for your phone is not listed then we do not know what it is.

If you know the code for a phone not listed please contact us at support@cellularsolutions.com