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 800 MHz 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.

Audiovox 8300, 8500, 8600, 8615
Press ##2773 then press the END key. Scroll down and select DEBUG. 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 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 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 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-9000
Power the phone off and then back on. Quickly press MENU, 7, *, *. The FSC Code is 000000 (six zeroes). 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 to get the Rx level to update. Press POWER OFF to exit.

Audiovox (UTSTARCOM/HTC) PPC-6600, PPC-6700, VX-6700
From the phone screen, press ##33284# or ##33284 and press DIAL. 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. GSM models also have this feature.

Cingular 8125, 2125, HTC Wizard
Enter *#3644#*# and your phone will enter test mode. Signal strength follows RSSI. Number shown is not dBm. Strong signal is 31 (approximately -50dBm), weak signal is 4 (approximately -105dBm). The higher the number (31 vs 4) the better the signal. Press END or Done to exit.

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.

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.)

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 DASH, EXCALIBER, S620 (T-Mobile)
Enter *#3644#*# and your phone will enter test mode. Signal strength follows RSSI. This test mode does not show –dB. Strong signal is 31 (approximately -50dBm), weak signal is 4 (approximately -105dBm). The higher the number (31 vs 4) the better the signal. Press END or Done to exit.

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 zeroes) 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 zeroes) and scroll to DEBUG SCREEN, press OK*, select ON and press OK. Press NEXT and 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, 2235, 2245, 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 zeroes) or 040793. Scroll down to DEBUG SCREEN and press OK. Scroll to ON and press OK, OK. The signal strength is the first number on the 1st line. To exit the field test, turn off phone.

LG LX-350, LX-550 Fusia (Sprint)
Enter ##33284#. Select Service Screen from Debug menu. Signal is after Rx power. Press CLR to exit or power off.

Note: The Fusica has a special service code that you must get from Sprint.

LG PM-225, PM-325, MM-535, LX-5400
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 CDMA PHONES ONLY (Except SPRINT) 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 env3, etc
Press Menu 0. Enter Service Code: 000000 (six zeroes). 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 need to make a phone call while in test mode to get the numbers to update. To exit test mode press CLEAR, END or turn the phone off and on. (Note: On some models you will need to take the battery out and put it back on again.)

LG CDMA Alternate Test Mode for Newer 2007 models
Press ##7764726xxx then press SEND (xxxx= your model number.) Service Code, 000000 (six zeroes). 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 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 out 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 Rx Power. Please Note: Certain newer phones have a special service code that you must get from Sprint. Press CLR to exit Test Mode or power off.

LG CG300, C1300, L1400, C2000 (GSM Phones)
Enter 2945##. Choose “Cell Environ” (Option 1) 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 (GSM )
Enter 277634#$. Choose “Modern 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 510
Press MENU, 3, 0. Enter Service Code: 000000 (six zeros). Scroll to TEST MODE and select. Scroll to READ RSSI and select. 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 press END.

LG VX-8350
Press #77647268350, then press SEND (#PROGRAM8350 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 press 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-8600 (or for LG models that do not accept the MENU, 0 command.)
Press #77647268600, then press SEND (#PROGRAM8600 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 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 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 press 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.)

Motorola M800 Bag Phone, V60, 120, E310, C331, 343, 353 (most older 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 press MENU, then the button directly to the left of MENU.

Newer Motorola CDMA phones (v262, v710, E815, V265, V3 RAZR, KRZR, etc)
Quickly press MENU 073887*. SECURITY CODE= 000000 (six zeros) or 123456. Press OK. Scroll to TEST MODE. SELECT or CHANGE. Scroll to ENABLED, 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 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 KRZR K1 (GSM)
Press CLR 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 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 choose "Disabled."

Please Note: If "Browser Setup" is the only option in the menu, then test mode is not available on your phone.

Motorola C290 (Sprint)
Enter ##33284#. Enter Field Service Code, 040793 and press OK. Signal strength is 3rd line down in from of MN/A or HN/A. Turn phone off and on to exit.

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.
**CELLULAR PHONE FIELD TEST MODES**

**Motorola Q (Sprint)**
In phone mode, enter ##33284#. Highlight CALL STATUS SCREEN and press OK. Choose EXIT option to exit.

**Motorola V551, V555, V557 (GSM)**
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, 67-061B indicates a -061dBm received signal strength. To toggle display on/off press Menu and then the left softkey. 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. Follow the regular Nokia instructions above (*3001#12345#, etc). Nokia 6215i, 6315
Press #2773 then press END. Enter 000000 (six zeroes) for the User Lock Code. Signal strength follows RX Level or RX Power. Press END to exit.

**Motorola W315**

**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. Turn the phone off to exit.

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 -00dBm -90 where -90 is your signal strength.

**Nextel i710, i730, i733, i736, i830, i836**
Same as above to get into test mode. Press MENU to update signal strength.

**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.

**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 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.

**Nokia 12xx, 51xx (except 5125), 61xx, 62xx, 71xx, 3285, 63xx, etc. (Older TDMA/CDMA phones – does not work on newer GSM phones)**
Press *3001#12345#. Scroll up to 1 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, then follow the above instructions.

**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 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. Enter 000000 (six zeroes) for the User Lock Code. Signal strength follows RX Level or RX Power. 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 entryfield 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#.)

**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.

**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.

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**What the numbers mean:**
Signal strength is a number ranging from roughly -50 to -105 (your phone may show as a positive number). Closer to zero means a better signal, i.e. -50 (roughly full signal) is better than -105 (roughly no signal.)

*Note: Some instructions may vary slightly depending on the phone model.*
**CELLULAR PHONE FIELD TEST MODES**

**What the numbers mean:**

Signal strength is a number ranging from roughly -50 to -105 (your phone may show as a positive number). Closer to zero means a better signal, i.e. -50 (roughly full signal) is better than -105 (roughly no signal.)

_Pantech_ (CDMA Phones Only) **PN-210, PN-215, PN-218**
Press **#2773**. Press End key. Enter 000000 (six zeros) for the security code. Hit OK. 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, *. Then enter code 000000 (six zeros). Choose DEBUG. 4th line, last number.

_Samsung A460, 3500, A540_
Press MENU, 9, 0. 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 zeroes). Select DEBUG SCREEN. Signal strength is on the line that says T-63 D089 (for example, D089 is -89dBm). To exit, turn power off.

_Samsung A620, A660, A860_
Enter **33284** and press OK. Enter security code 040793. Select DEBUG SCREEN and press OK. Signal strength is the 2nd number on the 2nd line down. (For example, T-XX Do XX-05). To exit, turn off phone.

_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 A630, A650, N330_
Press MENU, 9, *. Enter Field Service Code: 000000 (six zeroes). Select DEBUG SCREEN, press OK. Signal strength is on the 5th line, 2nd number (T-65 DO 87-06). The number omits the negative. To exit, turn off phone.

_Samsung A670, A570_
Enter Service Code: 000000 (six zeroes). Select DEBUG SCREEN. Signal strength is on the 1st line. To exit, turn off phone.

_Samsung SYNC A707_
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, A840, A880, P207_
Enter **33284##. press OK. Enter security code 040793. Select DEBUG SCREEN and press OK. Signal strength is the 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 phone off.

_Samsung A740, A850, A930, A950 U740 (Verizon)_
Press MENU (blue center button). Scroll to SETTINGS & TOOLS (tools icon) then press the # key. Enter User Lock Code, 000000 (six zeroes). Select DEBUG SCREEN. The screen will read some similar to T-63 D089. The number after the D is the signal strength, for example -89dBm. To exit, turn power off.

_Samsung A900, A920 and A570_
Enter **#33284## or #33284 and press the blue OK button. Enter Field Service Code 040793 or 000000 (six zeroes). Choose DEBUG SCREEN or FIELD TEST and then SCREEN. Signal strength is the number after the D. (Note: the A900 appears to go right into the test screen after the 040793 is entered.)

_Samsung E105, D807, E316, E317, X426, X427, X475, 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, A412, 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, 1760 (Verizon)_
In phone mode, enter "#33284 and the Security Code 000000 (six zeroes). Choose MONITOR. The receive signal strength follows R- on the screen, 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 U520_
Press MENU (OK Button), 9, 0. User Lock Code: 000000 (six zeroes). Choose DEBUG. Signal strength is 2nd number on 2nd line (for example, T-63 DO85-5. This means -085 dBm). To exit, turn off phone.

_Samsung U540_
Press MENU. choose "Phone Settings" and press #. User Lock Code: 000000 (six zeroes). Choose Field Test Mode and then DEBUG. Signal strength is on the line that says: T-XX DXXX. To exit, turn off phone.

_Sanyo 4500 (not VM4500), 4700_
Scroll down to DISPLAY and press OK. Press 0 (zero). Will ask for Service Code – enter 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, 6150, 5300, 6200, 6400, 8100_
Enter **#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, turn off phone.

_Sanyo S400, 7300, RL2500, RL7300_
Enter **#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 from flashing in and out. Any fake number works fine).

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(800) 945 - 3294  cell-phone-boosters@wirelessguys.com
What the numbers mean:
Signal strength is a number ranging from roughly -50 to -105 (your phone may show as a positive number). Closer to zero means a better signal, i.e. -50 (roughly full signal) is better than -105 (roughly no signal.)

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. In particular, many GSM phones.
- 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 cell-phone-boosters@wirelessguys.com

What the numbers mean:
Signal strength is a number ranging from roughly -50 to -105 (your phone may show as a positive number). Closer to zero means a better signal, i.e. -50 is better than -100.