

WILSON OUTPERFORMS THE COMPETITION

A first look at how the new Wilson Mini-Mobile Dual Band Wireless Amplifier delivers **21 TIMES** more power than the Wi-Ex YX230 Mobile Booster.



FCC Test Results

| | |
|--------------------|------------------------|
| Wilson Mini-Mobile | Output Power: 1,538 mW |
| Wi-Ex YX230 | Output Power: 69 mW |

Based on type acceptance data filed with the FCC using CDMA transmission to the cell tower, the Wilson Mini-

Mobile (part #801230) puts out **6 times** the power of a typical cell phone while the Wi-Ex YX230 has **less than half** the power of a cell phone.

Wilson® Cellular Amplifier

Tests¹ Show that the Wilson® Desktop Dual-Band Amplifier Has 6 Times More Power Output¹ than the Wi-Ex™ In-Building Amplifier

Wilson® Desktop Amplifier
"The Amplifier That Works!"



Wilson Electronics
Desktop In-Building Cellular/PCS
Amplifier Part# 801247

Wilson's Amplifier:

- Features **6 times more** power output¹ than Wi-Ex™
- Has 6dB or **more** receive sensitivity than Wi-Ex™
- You can receive a call up to 3 times **farther** than with Wi-Ex™³
- Oscillation detection and shutdown with auto reset
- Overload protection circuit protects carrier cell sites



¹ TIA-98-E Test 4.4.5 max CDMA RF output power
(Agilent 8924 test set with 83236 PCS interface)

² TIA-98-E standards require at least +23dBm

³ A free space model, line of site, was used for the distance calculations.

Wi-Ex™ In-Building Amplifier
"Less Power¹ than a Cell phone!"



Wi-Ex™ in-Building
Cellular/PCS Amplifier
PN: YX510-PCS-CEL

The CallCapture™ Amplifier:

- Has less than 1/6 the power output¹ of Wilson's Desktop amplifier (Part# 801247)
- Tests show the Wi-Ex™ cell phone extenders have less power than a cell phone
- Failed Telecommunications industry Association power output requirements² for cell phones (weaker than a cell phone)
- Wi-Ex™ has 4 times less receive sensitivity than Wilson's Desktop amplifier (Part# 801247)
- **In summary, a cell phone connected to just an outside antenna outperforms the Wi-Ex™ system**

If you can't receive signal, you can't communicate!

If you can't "hear" the cell site, you can't communicate. It is the winning combination of having more receiver sensitivity and power output that results in high amplifier performance and improved cellular communication.

When using a Wi-Ex™ amplifier you have less signal receiver sensitivity on several channels than if you were using a cell phone alone. Wilson amplifiers outperform the competition because of their superior engineering and have higher receiver sensitivity and transmit power!



Wilson's New Mini-Mobile Dual-Band Amplifier Kit With Cradle Plus Antenna Extends Your Cell Phone & Data Coverage

This MiniMobile kit provides the benefit of an external antenna and up to 6 times more power than your cell phone.

What are the benefits of our MiniMobile Wireless Amplifier?

Our wireless amplifier allows one or more users to benefit from an outside antenna and amplifier without a physical connection to the cell phone or cellular data card. This eliminates the need for an external antenna connection on the cell phone or cellular data card.

Does the MiniMobile Wireless Amplifier affect a carrier's cell site?

Wilson's MiniMobile Wireless Amplifier has Smart Technology™ that automatically adjusts its power based upon a cell site's requirements for reliable connection. This patented technology not only ensures that power to the cell site is within carrier specifications, but also senses if the amplifier was to operate in a manner harmful to a cell site and takes immediate corrective action. Amplifiers added to a cell system should not harm the sites, they should improve cell phone performance while remaining transparent to the cell sites' operation.

Passed all performance testing requirements

Using the CDMA Performance Standard as a testing platform, the Wilson MiniMobile Wireless Amplifier passed the TIA-98-F-1 Tx and Rx tests with a receiver sensitivity of -110.47 dBm on 800 MHz. The MiniMobile also passed both the Maximum RF Output Power test and the Minimum Controlled Output Power test.

Openings in Many Areas for Dealers – Call Today!

Unlike other manufacturers, we do not compete with you by selling direct to end users.

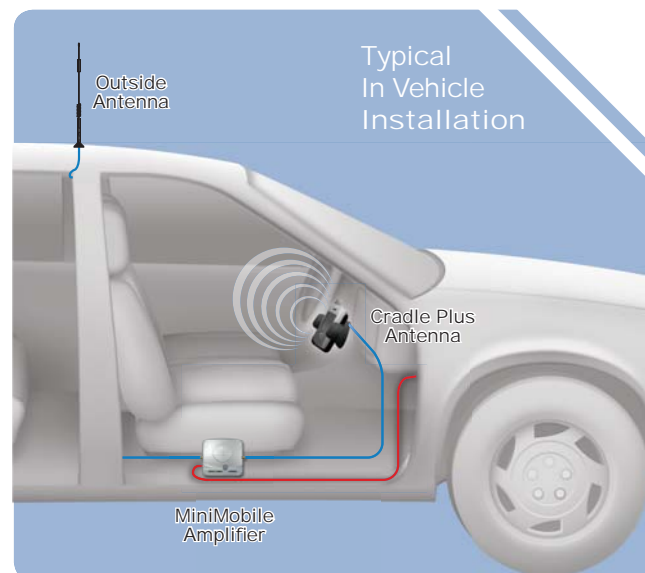
800-204-4104 – www.wilsonelectronics.com

email: sales@wilsonelectronics.com

Export inquiries: export@wilsonelectronics.com

Features

- Kit includes a SignalBoost™ MiniMobile Wireless Amplifier, a Phone Cradle Plus with a built-in antenna, a 12" magnet-mount outside antenna, cigarette lighter adapter, mounting brackets for the cradle, and a detailed installation guide.
- Complete oscillation and overload protection (protects carrier cell sites from interference).
- Works with all Cellular and PCS carriers.
- Improves signals for both voice and data.
- Wireless operation – no physical connection to the cell phone or data card.
- Amplifies phone signal to and from cell tower
- Free technical and installation support.
- Made in the USA.



*Based on an 18 dB improvement over the phone alone in the vehicle.

For more information contact *Wilson Electronics* at 1-866-839-9344 www.wilsonelectronics.com



Test Comparison Report
Wilson 60 dB 800 MHz In-Building Amplifier
and Cellphone-Mate CM800 65 dB Universal Building Repeater ^{*(Note 1)}



Wilson 60 dB 800 MHz Building
 Serial #801106B2051088254
 FCC ID# PWO8011SB



Cellphone-Mate CM800
 Serial #CM080118-04022
 FCC ID# RSNCM800-55-60-65

| | Wilson 60 dB 800 MHz Building Amplifier | Cellphone-Mate CM800 65 dB Universal Building Repeater |
|--|--|---|
| Power Output to Cell Site | 1.7 watts max power output Actual max power measured | 1/2 watt max power output Actual max power measured 1/3 the power of Wilson |
| Gain | 65 dB average across 800 MHz band | 59.1 dB average across 800 MHz band |
| Maximum Power Allowed by FCC ^{** (Note 2)} | 1.7 watts | 1/2 watt |
| Oscillation Protection Shutdown | Yes - Complete protection Instant shut down Protects cell site from interference | NO protection Oscillates at full power when antennas get too close together jamming cell sites |
| Automatic Gain Control | Yes - Self-adjusting gain setting, lowering gain if oscillation occurs Always provides maximum gain possible | Manual gain control using dip switches |
| Receiver Sensitivity | -110 Average Over Band Wilson will receive signals 40% farther than CM800 | -107 average over band Lower ability to receive weak signals than Wilson |

^{*Note 1:} Tests were conducted with Agilent cell site test sets and network analyzers, by two electrical engineers. Test data available upon request.

^{**Note 2:} FCC certifies units for maximum power allowed to be transmitted in to the antenna. FCC certification certificates are available on the FCC website.

Test Comparison Report
Wilson 60 dB 1900 MHz In-Building Amplifier
and Cellphone-Mate CM1900 65 dB Universal Building Repeater ^{*(Note 1)}



Wilson 60 dB 1900 MHz Building
 Serial #80130671041019246
 FCC ID# PWO8013SB ^{*(Note 2)}



Cellphone-Mate CM1900 65 dB
 Serial # CM071204-03116
 FCC ID# RSNCM1900-5560-65

| | Wilson 60 dB 1900 MHz Building Amplifier | Cellphone-Mate CM1900 65 dB Universal Building Repeater |
|--|--|---|
| Power Output to Cell Site | 1 watt max power output on 1900 | .495 watt max power output on 1900 MHz 1/2 the power of Wilson |
| Gain | Measured 60 dB average across band | Measured 55.2 dB average across band |
| Maximum Power Allowed by FCC ^{** (Note 2)} | 1 watt | 1/2 watt |
| Oscillation Protection Shutdown | Yes - Complete protection Instant shut down Protects cell site from interference | NO protection Oscillates at full power when antennas get too close together, jamming cell sites |
| Automatic Gain Control | Yes - Self-adjusting gain setting, lowering gain if oscillation occurs Always provides maximum gain possible | Manual gain control using dip switches |
| Receiver Sensitivity | -110 Average over band Wilson will receive signals 70% farther than CM1900 65 dB Amplifier | -105 average over band Lower ability to receive weak signals than Wilson |

^{*Note 1:} Tests were conducted with Agilent cell site test sets and network analyzers, by two electrical engineers. Test data available upon request.

^{**Note 2:} FCC certifies units for maximum power allowed to be transmitted in to the antenna. FCC certification certificates are available on the FCC website.

Test Comparison Report
Wilson Dual-Band Mobile Wireless Amplifier
and Cellphone-Mate CM2000-WL Dual Band Wireless Amplifier ^{*(Note 1)}



Wilson Dual-Band Mobile Wireless
 Serial #801201C3041073324
 FCC ID# PWO812ASM



Cellphone-Mate CM2000-WL 40 dB
 Serial #090807083101013
 FCC ID# RSNCM2000

| | Wilson 50 dB Dual-Band Mobile Wireless Amplifier | Cellphone-Mate CM2000-WL 40 dB Dual Band Wireless Amplifier |
|--|---|---|
| Power Output to Cell Site | 2.6 watts max power output on 800 1.5 watts max power output on 1900 | 1.3 watts max power output on 800 1/2 watt max power output on 1900 |
| Maximum Power Allowed by FCC ^{** (Note 2)} | 800 MHz – 2.95 watts 1900 MHz – 2 watts | 800 MHz – 1.38 watts 1900 MHz - 1/2 watt |
| Gain | Measured gain 800 - 41 dB 1900 - 45 dB | Measured gain 800 – 42.1 dB 1900 – 40.7 dB |
| Oscillation Protection Shutdown | Yes - Complete protection Instant shut down Protects cell site from interference | NO protection Oscillates at full power when antennas get too close together, jamming cell sites |
| Receiver Sensitivity | -109 average sensitivity over 800 & 1900 bands. Wilson will receive signals 70% or more farther than CM2000-WL | -104 average over 800 band -102 average over 1900 band Less sensitive than a normal cell phone |

^{*Note 1:} Tests were conducted with Agilent cell site test sets and network analyzers, by two electrical engineers. Test data available upon request.

^{**Note 2:} FCC certifies units for maximum power allowed to be transmitted in to the antenna. FCC certification certificates are available on the FCC website.

Test Comparison Report
Wilson Mini Dual-Band Mobile Wireless Amplifier
and Cellphone-Mate CM2000-WL Dual Band Wireless Amplifier ^{*(Note 1)}



Wilson Mini Dual-Band
 Serial #801230E201148055
 FCC ID# PW271230SA



Cellphone-Mate CM2000-WL
 Serial #090807083101013
 FCC ID# RSNCM2000

| | Wilson 45 dB Mini Dual-Band Mobile Wireless Amplifier | Cellphone-Mate CM2000-WL 40 dB Dual Band Wireless Amplifier |
|--|--|---|
| Measured Power Output to Cell Site | 1.7 watts max power output on 800 1.2 watts max power output on 1900 | 1.3 watts max power output on 800 1/2 watt max power output on 1900 |
| Maximum Power Allowed by FCC ^{** (Note 2)} | 800 MHz – 1.7 watts 1900 MHz – 1.5 watts | 800 MHz – 1.38 watts 1900 MHz - 1/2 watt |
| Gain | Measured gain 800 - 41 dB 1900 - 45 dB | Measured gain 800 - 42.1 dB 1900 - 40.7 dB |
| Oscillation Protection Shutdown | Yes - Complete protection Instant shut down Protects cell site from interference | NO protection Oscillates at full power when antennas get too close together, jamming cell sites |
| Receiver Sensitivity | -109 average sensitivity over 800 & 1900 bands Wilson will receive signals 70% or more farther than CM2000-WL | -104 average over 800 band -102 average over 1900 band Less sensitive than a normal cell phone |

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