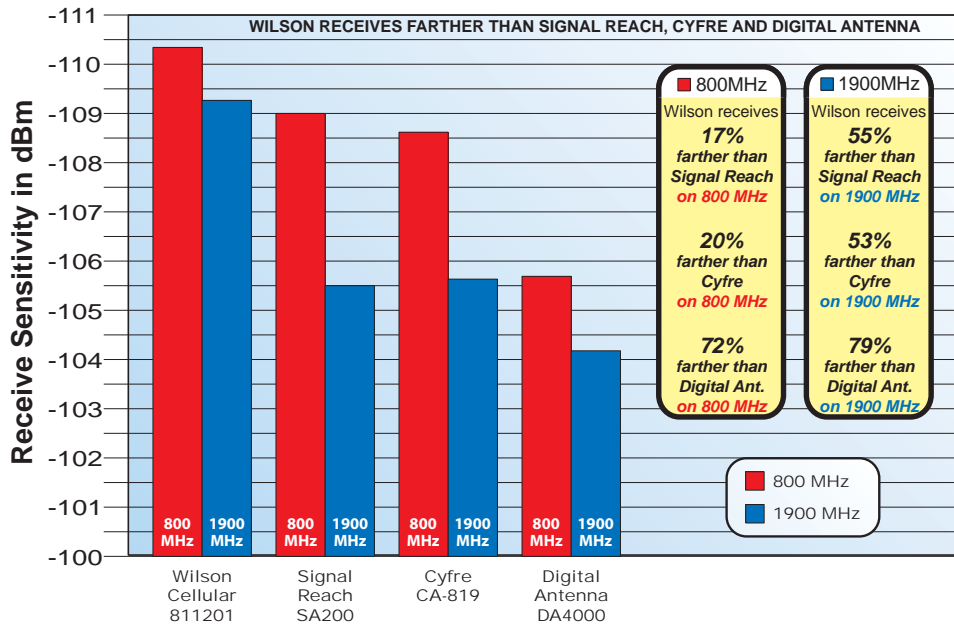


Tests Show *Wilson Cellular*[®] Amplifiers Outperform *Signal Reach*[®], *Cyfre*[®] and *Digital Antenna*[®]

Tests by WTS Laboratories¹ Show the Wilson[®] Dual Band Direct Connection Amplifier has More Receiver Sensitivity than others Tested



Tests by WTS laboratories show that Wilson Cellular Amplifiers have more sensitive receivers than Signal Reach, Cyfre and Digital Antenna. The Wilson Amplifier can receive signals up to 23% farther in the 800 MHz Band and 53% farther in the 1900 MHz Band than Cyfre's model CA-819.³

WTS also performed the significant CDMA IS-98 transmit tests and found that both the Wilson Single Band Direct Connection 800 MHz and the Wilson Dual Band Direct Connection 800/1900 MHz amplifiers passed. Wilson has also received carrier approval for use on CDMA systems.

“If you can’t receive signal, you can’t communicate”

The Wilson Cellular Amplifier has a better receiver than your cellphone or cellular data card. Its advanced electronics are very sensitive and able to receive weak signals that would go undetected by most cellphones. It also has a better transmitter (up to 3 Watts), which is much more powerful than the transmitter in your cellphone. This allows your cellphone to communicate with distant cell sites, increasing coverage up to 50 miles or more.

What is Receiver Sensitivity?

Receiver Sensitivity measures the lowest amount of receive signal that allows communication based on a frame error rate that does not exceed IS-98 standards.² A more sensitive amplifier receiver can detect a weaker signal, which allows the cell site to communicate with the cellphone at a greater distance. For example, the Wilson Cellular amplifier has a receive sensitivity of -109.3 dBm in the 1900 MHz band and the Digital Antenna amplifier has a sensitivity of only -104.2 dBm. The Wilson amplifier can receive a signal that is 5.1 dBm weaker than the Digital Antenna amplifier. This means with a Wilson amplifier you can receive a signal from the cell site up to 79% farther than with Digital Antenna's amplifier.³



More More Often

¹WTS Laboratories performs cellphone certification tests for Telus Mobility, Nokia, Motorola, Samsung, and others.

²TIA/EIA-98-E Test 3.5.1, Receiver Sensitivity and Dynamic Range measures the RF sensitivity of a cellphone with each amplifier by determining the minimum received power necessary to assure that the frame error rate (FER) does not exceed a specified value. On each frequency tested, 3 tests were made using different test parameters (e.g. data rates). The sensitivity for each manufacturer's amplifier is calculated separately for AMPS and PCS on channel 384 and 600 respectively, and is the average of all the measurements made in that band.

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