

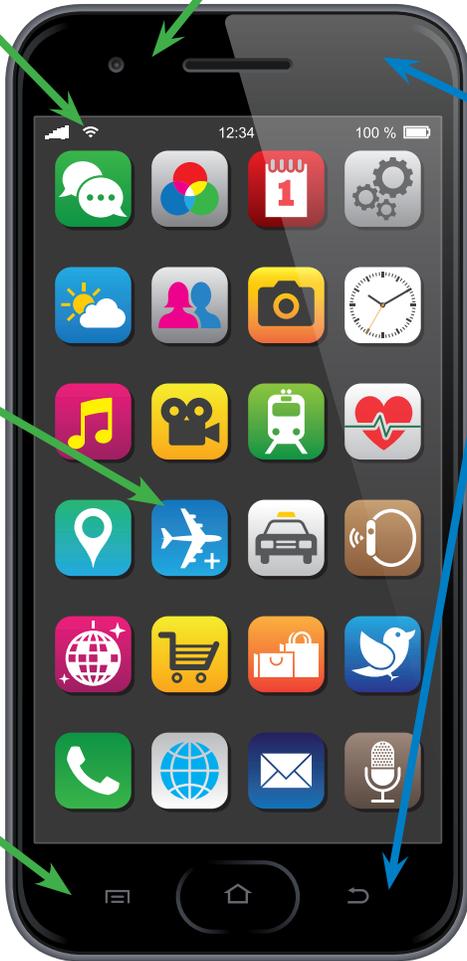
Automatic Wi-Fi Calling
Using nearby Wi-Fi requires only a tiny fraction of the power needed to reach a cell tower thus reducing emissions.

Body Sensor
Infrared sensor turns off emissions automatically when near the body.

Special Materials
Redirect radiation away from the body without affecting phone communications. Phones often have antennas in more than one place to accommodate Wi-Fi and Bluetooth functions, for example.

Airplane Mode as Default
Automatically puts your phone into Airplane Mode when not in use. "+" shows that cellular antenna, Bluetooth and Wi-Fi are off.

Reduce "Handshakes"
Reduces routine handshakes from cell towers to determine location. Handshakes are not needed when your phone is stationary, for example, when you are sleeping.



Limit Call Times
Less time on the phone means less radiation. An application can keep track of your cumulative exposure and help you reduce call times by setting an exposure budget to protect yourself. Cumulative exposure is highly correlated with long-term health effects.

Software Fix

Hardware Fix

Six simple engineering fixes can reduce cellphone radiation