This includes the use of wireless phones (http://www.fda.gov), under “C” in the subject index, select Cell Phones > Measurement. The exposure limit takes into consideration the body’s ability to remove RF energy. The measurement is made using a standardized test procedure with the phone transmitting at its highest certified power level in all tested frequency bands. This limit is set well below levels known to cause harmful effects.

9. What about wireless phone interference with medical equipment?

Under the law, the FDA does not review the safety of radiation-emitting consumer and medical devices. If you have any questions about whether a particular device is approved, you should contact the manufacturer. To expedite your inquiry, you should ask for the FDA clearance number listed on the device. If you have any questions about the safety of a device, you should contact the FDA’s Consumer Safety Officer at 800-332-1088, Ext. 2551. The Health Industry Manufacturers Association recommends that a minimum separation distance of six (6) inches be maintained between a handheld wireless phone and a pacemaker to prevent potential interference with the pacemaker’s operation. Patients with pacemakers are advised not to carry the phone in a breast pocket. When a handheld wireless phone is carried in a breast pocket, the phone should be placed such that the magnetic strip is on the side of the body opposite the pacemaker, if possible. Patients should also consult their physicians and pacemaker manufacturers for more advice.

10. What is SAR and how is it measured?

The SAR is expressed in units of watts per kilogram (1.6 W/kg). SAR information on this model phone is on file with the FCC and can be found under the phone’s Equipment Authorization. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels below the FCC RF exposure guidelines. SAR values can vary depending on many factors, including the distance of the phone from the ear or body, phone design, and manufacturing tolerances. SAR testing is performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC. The SAR value reported for this phone when tested at the ear is 1.015 W/kg and when worn on the body, at the peak SAR level, is 1.35 W/kg. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels below the FCC RF exposure guidelines.

11. What about wireless phone interference with medical equipment?

Wireless communications systems, including wireless phones, may interact with some medical devices. If you use any medical device, consult with your healthcare provider or device manufacturer to determine if it is adequately shielded from external RF energy or if you have any questions about using the wireless phone with the medical device.

12. What are SAR levels?

SAR stands for Specific Absorption Rate. This is a measurement of the rate at which energy is absorbed by the head during telephone use. SAR for a model phone is usually determined at the highest power level available for that model phone. The SAR value can vary, depending on many factors, including the distance of the phone from the body or ear during use, the type of tests performed, and other legal requirements. For this reason, the FCC believes that establishing a single, absolute limit for all wireless phones would be impracticable. The SAR limit set by the FCC is 1.6 W/kg. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels below the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the phone’s Equipment Authorization. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels below the FCC RF exposure guidelines.

13. What about the use of wireless phones while flying?

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. In areas where you are not sure of the risk, turn the phone off and do not use it in a way that could cause sparks.

14. What about using a wireless phone near unshielded pacemakers or hearing aids?

The use of wireless phones near unshielded pacemakers or hearing aids is discouraged. If you are near a pacemaker or hearing aid, and the two are within a distance that could affect the pacemaker or hearing aid (see question 10), turn your phone off and move it away from the pacemaker or hearing aid.

15. What about using a wireless phone near medical devices?

The use of wireless phones near medical devices is discouraged. If you are near a medical device, and the two are within a distance that could affect the medical device (see question 10), turn your phone off and move it away from the medical device.

16. What about using a wireless phone near credit cards or other magnetic cards?

Wireless phones can damage credit cards or other magnetic cards. If your phone has a magnetic strip, it should be used only with the phone’s magnetic strip access features. If you are concerned about avoiding even potential risks, you can use measures like those described in question 11. If you let your phone come into contact with a magnetic card, the magnetic strip on the card will be destroyed.

17. What about using a wireless phone near other electronic devices?

Wireless phones can damage other electronic devices. If your phone has a magnetic strip, it should be used only with the phone’s magnetic strip access features. If you are concerned about avoiding even potential risks, you can use measures like those described in question 11. If you let your phone come into contact with another electronic device, the device may be damaged.

18. What about using a wireless phone near other electronic devices?

Wireless phones can damage other electronic devices. If your phone has a magnetic strip, it should be used only with the phone’s magnetic strip access features. If you are concerned about avoiding even potential risks, you can use measures like those described in question 11. If you let your phone come into contact with another electronic device, the device may be damaged.

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