

April 6, 2012

Subject: LifeWave Matrix (iPhone 4/4S); SGS Report

This summary report is in reference to SGS Test Report Number 2681815EMC01, Rev 1; the product being tested is LifeWave Matrix (Cell Phone Shield); the testing procedure utilized in this report is SAR Comparison.

SAR Testing (Specific Absorption Rate) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a wireless device such as a cell phone. The SAR value is typically expressed in the units milliwatts per gram (mW/g). The exposure limits of this type of energy are expressed in the terms of SAR, which is a measure of the electric and magnetic field strength and power density for transmitters operating at frequencies from 300 kHz to 100 GHz (the microwave range).

The accepted method for measuring SAR values is the direct method SAR test. This method utilizes a model called a “phantom” to simulate the human head and a “flat phantom” to simulate the human body. With this method, wireless devices are tested at the highest certified power level in laboratory conditions utilizing a SAR test system with a robot. An orthogonal probe is mounted on the robot arm to measure the RF fields transmitted into a calibrated tissue simulant.

Utilizing this method, and making reference to Page 4, section 2.1 of the SGS Report, please note that for the LifeWave Matrix device tested with the iPhone 4S, and using the GSM850 operating band, there was a **62.89%** drop in radiation with the Matrix device installed. **This is reduction in radiation coming off the front of the phone.**

As another example, using Band V, there was a **83.98%** drop in radiation with the Matrix device installed. **This is a reduction in radiation coming off the front of the phone.**

As another example, using Band V, there was a **94.65%** drop in radiation with the Matrix device installed. **This is a reduction in radiation coming off the back of the phone.**

As another example, using Band II, there was a **95.32%** drop in radiation with the Matrix device installed. **This is a reduction in radiation coming off the back of the phone.**

This independent testing by SGS shows dramatic reductions in radiation off both the front and back of the iPhone. This provides LifeWave with a significant point of difference in the marketplace, and provides our customers with the benefits of less radiation exposure.