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Text or Talk; A Comparison of the Electromagnetic Fields Produced by Cell Phones When Calling and Text Messaging

The purpose of this experiment was to determine if text messaging on a cell phone releases more electromagnetic fields (EMF) than calling on a cell phone. This was tested by using an electromagnetic field meter and various cell phones. The EMF meter was placed on the front of each cell phone while a text message was sent from the phone and recorded. Then using the same set up, a call was sent from the test phone and the EMF's recorded. The hypothesis, calling on a cell phone would produce more EMF than sending a text message from a cell phone, was supported by the data collected. A cell phone on standby produces 0.2 milligauss. The average text message produced 1.08 milligauss while the average call produced 1.56 milligauss. Therefore, a cell phone user is exposed to less EMF by text messaging rather than calling. Due to lack of research on electromagnetic fields, they are not proven to be harmful to human health. On the contrary, they aren't proven to be completely safe either. As a result, no definite conclusion concerning the risk factors of electromagnetic fields can be made. It would be wise to exert caution when using cell phones until it is proven that electromagnetic fields are safe.