



Official MAGNETIC SHIELD CORPORATION Document

## **What is the difference between DC and AC fields?**

DC fields are non-varying, or perhaps slowly changing. A DC field might be from the Earth, a permanent magnet, or a coil carrying direct current. AC magnetic fields oscillate in direction at a frequency. The most common AC magnetic fields are 60 Hertz fields emitted by electric power equipment. These are typically referred to as EMI or electro-magnetic interference.