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Electromagnetic compatibility is the ability of electrical equipment and systems to function acceptably in their electromagnetic environment, by limiting the unintentional generation, propagation and reception of electromagnetic energy which may cause unwanted effects such as electromagnetic interference or even physical damage in operational equipment. The goal of EMC is the correct operation of different equipment in a common electromagnetic environment. It is also the name given to the associ

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Electromagnetic compatibility (EMC), Part 2.5: Environment - Description and classification of electromagnetic environments

## **Electromagnetic Compatibility - Standards Australia**

The Electromagnetic Interference/Electromagnetic Compatibility (EMI/EMC) Control Test and Measurement Facility supports engineering development and EMI/EMC measurements and provides EMI/EMC evaluation and certification testing of crew, flight, and ground support equipment including, but not limited to, Communication, Instrumentation, Biomedical, Guidance and Navigation, Computation, and Robotics.

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It reflects the most recent developments in the field of electromagnetic compatibility (EMC) and noise reduction, and their practical applications to the design of analog and digital circuits in computer, home entertainment, medical, telecom, industrial process control, and automotive equipment, as well as military and aerospace systems.

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## **Electromagnetic compatibility : principles and applications**

Electromagnetic compatibility, EMC is the concept of enabling different electronics devices to operate without mutual interference - Electromagnetic Interference, EMI - when they are operated in close proximity to each other.

### **What is EMC Electromagnetic Compatibility » Electronics Notes**

Electromagnetic Compatibility (EMC) is the ability of electrical and electronic systems, equipment and devices to operate in their intended electromagnetic environment within a defined safety margin, without suffering or causing unacceptable degradation as a result of electromagnetic interference (ANSI C64.14-1992).

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