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## Bibliography of EMC-Related Videos

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This bibliography lists a number of videos available from the IEEE EMC Society and is periodically updated. It is advisable to check with the IEEE EMC society website for the latest revision of this bibliography.

- [1] Title: Electromagnetic Interference - A Global Engineering Challenge.
- Source: This video is presented in the public interest by the Electromagnetic Compatibility Society of the IEEE.
- IEEE Service Center  
445 Hoes Lane  
P.O. Box 1331  
Piscataway, NJ 08855-1331  
USA
- Duration: 14:09 minutes
- Summary: This video introduces the audience to the every day aspects of the electromagnetic world, including its benefits and dangers. It describes the roles and responsibilities of the electromagnetic compatibility (EMC) professional in response to society's ever-increasingly demands on an already complex electromagnetic environment. Four different professionals are briefly interviewed for their perspective on the EMC profession: an analyst, a test engineer, a field engineer, and a technician. The video concludes by describing the functions, roles, and benefits of the IEEE EMC Society to the EMC professional and to society at large.
- [2] Title: EMI: The Silent Threat.
- Source: This video is produced by R & B Enterprises, Inc. for Navy Contract Number N00039-86-C-0309.
- Duration: 13:00 minutes
- Summary: This video presents the threat of EMI to systems in a naval environment. Historical footage demonstrates several dramatic and graphic examples of the potentially lethal consequences of the EMI threat, natural and man-made, to these systems in a naval environment. The necessity for proper foresight, planning, design, and testing to mitigate EMI problems is emphasized. The video acknowledges that EMI is indeed a threat to Navy operations, but like many threats it can be planned for and controlled. The video encourages the first step in controlling the threat of EMI by making the audience realize EMI's potential for harm.
- [3] Title: Eye to Eye with Connie Chung, "Haywire"
- Source: This video is produced by Joan Martelli of the American Broadcasting Company (ABC).
- Duration: 10:00 minutes

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Summary: This video is a “person-on-the-street” perspective on electromagnetic interference (EMI) based on anecdotal accounts. The feature is introduced with the familiar announcement that airline passengers hear at the beginning of a flight about restrictions on operating cellular phones and electronic devices. The reasons for these restrictions are examined. The impact of EMI from cell phones and hand-held radios on medical devices such as ventilators, defibrillators, and wheelchairs is then examined. The video ends with a disappointing and misleading platitude stating; “There is so much that’s not known about electromagnetic interference, except that our greater reliance on electronic devices almost guarantees more problems.”

[4] Title: IBM Standards - The System Works

Source: This video is produced by IBM.

Duration: 10:00 minutes

Summary: This video provides a focus on how the application of standards, EMC and others, can be folded into the design process. The video is a fictionalized account of the design of a power supply for a workstation product. The emphasis is that consultation with standards experts early in the design phase can go a long way toward minimizing any problems, i.e. nonconformances, and eliminating unnecessary design work. Although, the account is told with an IBM-bias, the lessons learned can be generalized for wider use.