

Electromagnetic field site surveys

Impartial measurements and advice from York EMC Services Ltd

Introduction

Hardly a week seems to go by without press speculation warning of the risks to health posed by magnetic fields from electricity pylons or radiation from mobile phones and their base station masts.

Whether we like it or not, we are constantly exposed to electromagnetic fields, either intentionally or unintentionally transmitted. The radio spectrum has become much more congested in recent years with services such as radio, TV and mobile phones all competing for frequencies on which to transmit. Mobile phone network operators have rapidly expanded their networks to cope with demand, resulting in the proliferation of masts and antennas.

Electromagnetic fields from overhead powerlines are not intentionally generated but are a “by-product” of transporting the power from one place to another. The frequency of the field produced is much lower than for mobile phones but there has also been concern over the potential health risks.

Locally generated magnetic fields from cabling within buildings can also be problematic. There are an increasing number of instances where companies have moved into new offices or new equipment has been installed only to find that their computer monitors have been affected. Magnetic fields can cause computer monitor displays to “wobble” or “shimmer” causing potential eye strain to the user or rendering the computer station unusable in extreme cases.



York EMC Services - independent and impartial



Given the press speculation, the incomplete nature of the scientific studies and the arguments of those with vested interests, it is often difficult to find a source of independent and impartial advice.

York EMC Services Ltd has built a reputation as one of the leading providers of electromagnetic measurement and consultancy services over a period of more than 15 years. We operate UKAS accredited EMC test laboratories in Castleford, West Yorkshire and Donibristle, Fife as well as providing measurement services at customers' premises.

How can we help?

The controversy surrounding the possible risk to human health from electromagnetic fields is set to continue for some time and so, now more than ever, there is a need to establish the electromagnetic fields present in the working environment. To address this requirement York EMC Services Ltd is able to offer site surveys, diagnostic testing, consultancy and problem solving.

▶ Site surveys

Undertaking a site survey provides information for builders, property developers and their potential tenants on the electromagnetic fields present. A site survey will be particularly appropriate where the property is located close to overhead powerlines, mobile phone masts or other transmitters and will indicate whether published guidelines are being met. Prospective tenants wishing to operate sensitive equipment will need to establish that their equipment will operate as intended within the proposed environment.



▶ Diagnostic testing, consultancy and problem solving

Often interference problems will arise within existing premises where new equipment has been installed or existing equipment moved.

York EMC Services Ltd can provide a flexible diagnostic testing service to track down the source of the interference and then provide advice on how the fields can be reduced or the effects minimised. We can summarise our findings in a test report to meet the clients requirements including a list of recommendations.

Who can we help?

- ▶ Organisations located close to powerlines or substations
- ▶ Organisations located close to transmitters
- ▶ Property agents
- ▶ Potential property purchasers
- ▶ Companies using equipment sensitive to electromagnetic fields
- ▶ Builders and developers
- ▶ Manufacturing industry
- ▶ Facilities Managers tasked with establishing H&S related risks

For more details on electromagnetic surveys, please contact:

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