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IMPLEMENTING EUROPEAN METHODOLOGIES TO ASSESS ENVIRONMENTAL ELECTROMAGNETIC FIELD LEVELS: SOME DIFFICULTIES AND SOLUTIONS

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Abstract

During the last decade, European methodologies on electromagnetic field measurement and human exposure assessment have been extensively developed and improved. At present, there is a large number of complex technical standards dedicated to various exposure situations. The implementation of the new methodology in the national practice might be difficult, expensive and time consuming. Taking into account the methodological change, we analyzed some practical difficulties that might occur and we emphasised some other limitations that might alter the quality of measurements. In this paper the authors propose a strategy based on a specific methodological approach and administrative measures to reduce implementation difficulties and to improve the quality of electromagnetic field measurements. Some simplified methods for checking compliance of complex electromagnetic environments with the requirements of exposure standards are proposed and the opportunity of using alternative methods is discussed.

Key words: electromagnetic fields, field level measurement, methodology

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