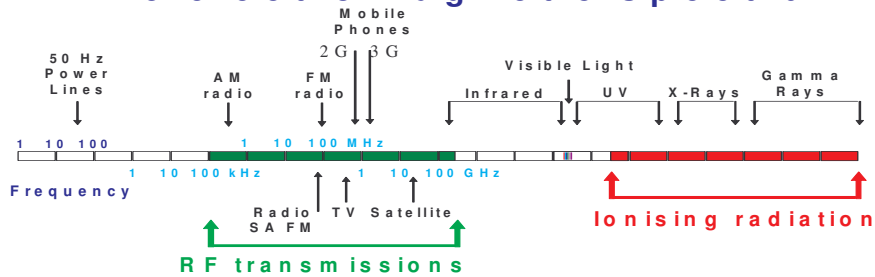


The electromagnetic spectrum



The electromagnetic spectrum and non-ionising radiation

The electromagnetic spectrum covers an enormous range of frequencies. The electromagnetic waves specific to mobile technology, are known as “non-ionising radiation”. This means they are not capable penetrating the skin and of breaking chemical bonds in biological structures (such as humans) or removing electrons (ionisation). In this respect they are very different, and should not be confused with, ionising radiation produced by x-rays and gamma rays produced by nuclear processes.