

Electromagnetic field

🕒 Duration : 60min

FRENCH

ENGLISH

SPANISH

Electromagnetic fields are natural and have always been present on Earth. Our body is able to perceive them in part, since visible light and sunlight are included in the spectrum of electromagnetic frequencies. Radio frequency and low frequency fields, which constantly surround us, are what interest us more.

These waves constitute the part of the electromagnetic spectrum below visible light. However, exposed workers must be aware of their effects and take the necessary precautions if necessary.

🎯 Target audience

She is intended for all regular and casual workers as well as for all corporate executives.

☰ Teaching and evaluation methods

The learning method for this online training is based on interactivity, dynamism and self-learning. The training will be done at the pace of the learner and according to his/her availability. Your understanding and skills will be evaluated at the end of each module.

You'll need to correctly answer all the questions in the current module, which will be presented in « true or false » or « multiple choice » questions to continue your progress. If you fail, you'll have to repeat the module.



🔑 Legal notice

There are no legal notice associated with this training. No other training or experience is required.

⚖️ Intellectual integrity

Given the seriousness of the approach and the importance of the knowledge acquired through this training, the team of SSTenligne invites you to respect the integrity of the training and its questionnaires.

We suggests you answer to the best of your knowledge, that is, without help and without plagiarism.

Targeted learning


Electromagnetic fields

Module 1	Introduction
	<ul style="list-style-type: none">– Electromagnetic fields– Electric and magnetic fields– Reactive, near et far field zones
Module 2	Safety code 6
	<ul style="list-style-type: none">– Maximum exposure limits, 3 KHz to 10 MHz– Specific absorption rate limits– Near and far fields
Module 3	Effects
	<ul style="list-style-type: none">– Direct and indirect effects– Exposure to static fields– Frequencies lower than 100 KHz– Frequencies above 10 MHz– Frequencies ranging between 100 KHz and 10 MHz
Module 4	Sources
	<ul style="list-style-type: none">– Six families of electromagnetic radiation sources– Common devices as sources of radiation



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Module 5	Controlled environment	
	<ul style="list-style-type: none">– Inventory of radiation sources– Workstation analysis– Specific risks	
Module 6	Protective measures	
	<ul style="list-style-type: none">– Source reduction– Distance– Protection infrastructure– Personal protection– Signage	
Module 7	Conclusion	