



# Further development of the NEMP field simulator

## Improvement from seven to two nanoseconds

The VEPES open-field simulator in Spiez for simulating nuclear electromagnetic pulses (NEMP) has undergone continuous further development over the last few years so that the required conditions in accordance with the current MIL and IEC standards can be verified.

The aim is to generate a very short electromagnetic pulse in the test volume so that objects of all kinds can be tested for their immunity to interference. Pulse duration is influenced by numerous environmental factors, such as the nature of the ground or nearby buildings.

The required pulse duration has now been attained throughout the test volume. The next challenge will be to permanently improve the conductivity of the floor plate so that heavy vehicles can also be tested.



First-time testing of an object, with the operator standing under the antenna support

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