

The impulse
to your progress

Montena delivers its first HPD Simulator

Rossens, January 6th 2020: montena technology, world leader in NEMP (Nuclear Electromagnetic Pulse) test systems, has successfully completed the construction of a Horizontally Polarized Dipole simulator.



This HPD simulator is capable of conducting EMP survivability demonstration tests on large EUT. It is made up of a fast high voltage bipolar pulse generator and a 10 meter (33 ft) high biconical / elliptical antenna. The electric field pulse is generated between both arms of the antenna with a mainly horizontal field polarization in a test volume of about 10 x 5 x 5 m (L x W x H).

Main characteristics:

- Allows the simulation of a HEMP environment as described in MIL-STD 464C
- Full remote control and diagnostic capabilities, including powerful post-processing features
- Automated pulse control and field monitoring using Montena range of electric/magnetic field sensors, fibre optic links and PULSELab software application
- Set-up or teardown of the antenna and of the generator is controlled electrically and can be carried out in about 30 minutes.

About montena technology

Montena technology is a Swiss company active in the field of electromagnetic compatibility since 1978. Our product range includes high voltage fast transient pulse generators, electromagnetic field measurement systems and EMC test equipment. Montena technology is a world leader for NEMP simulators and NEMP protector test systems according to MIL-STD.



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