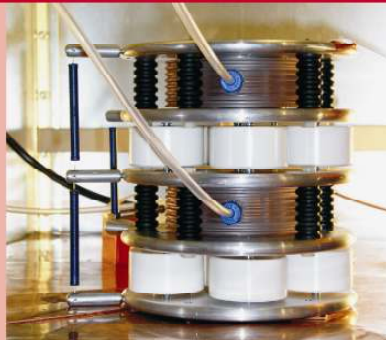


HIGH POWER / HV PULSE GENERATORS



Montena emc proposes a full range of transient generators and antennas producing electric, magnetic and electromagnetic pulses for different industries like EMC labs, medical applications, etc.

NEMP Simulators

We are world leaders in the design and manufacturing of NEMP test installation and generators for both radiated (MIL-STD-461 / RS 105) and conducted (MIL-STD-188-125) immunity tests. The pulse generators and the high voltage internal components are designed by montena emc. We manage the follow-up of the construction on site, the final installation and testing and we provide the technical training.

Marx High Voltage Generators

Our high voltage generators are specially adapted to your requirements reaching a few MV. Applications are: generation of very high voltage, helicopter ESD tests, etc.

EMC Test Generators

We propose a full range of pulse generators covering a lot of applications up to around 25 kV, typically for tests according MIL-STD-461, CS106, CS115 and CS116. Our pulse generators are delivered with test automation software especially designed to ease the test procedure, reducing the test time and the risk of human mistakes.

Very High Speed Pulse Generators

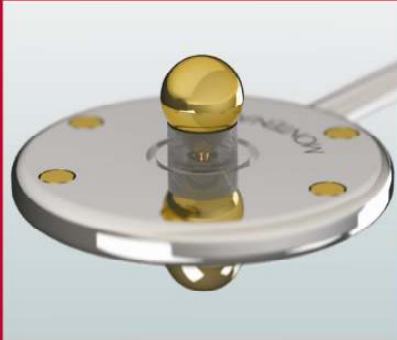
Our pulse generators are able to produce pulses with very fast rise times down to some tens of ps for high speed medical imaging, the modulation of optical laser signals, etc. These pulsers use solid state devices and exhibit low jitter and high repetition rates.

Impulse Radiating Antennas

The IRA (impulse radiating antenna) is an ultra wide-band radiating antenna with a parabolic reflector producing a very narrow beam. Our antennas are highly broadband; they can be used for HPEM tests. Complete test set-up with a full range of pulse generators is proposed to comply with your test requirements

Accessories for Pulse Generator

We design and produce ancillary test equipment like high speed voltage divider, power load, HV / RF connectors, field sensors. These devices cover the GHz and MV ranges. Coupling box, current sensors are also available for the MIL-STD-188-125 test systems.



As multidisciplinary and creative experts, our engineers develop and create high-tech equipment and components in the domain of EMC tests (electromagnetic compatibility).

Helmholtz Coils

The Helmholtz coils are designed to test the immunity of electronic equipment to magnetic fields, for instance according to European standards (CE) or to MIL-STD. Different dimensions are available. We propose a complete set-up for the test of watches according to ISO 764.

Striplines

The striplines are designed for immunity tests on automotive devices according to ISO 11452-5 and CISPR 25. Our striplines are fixed on a metallic frame and are easy to move. The table can be sloped vertically to ease the storage. The frequency range covers DC to 1 GHz.

TEM Cells

Our TEM cells are well suited for the immunity testing of small objects according to European (CE) and automotive standards (SAE J1113-25). Different dimensions are available. The applications are for instance the immunity testing of watches and PCB's or the calibration of field probes.

Parallel Plate Antennas

The parallel plate lines are designed for immunity tests on small and medium-sized devices. They can be used for tests according to the MIL-STD, for immunity tests on automotive devices according to the European directive 2004/104/EC and on broadcast receivers.

Electromagnetic Field Sensors

Our derivative electromagnetic field sensors are designed for the measurement of fast pulsed fields. Different models are available: electric field (D-dot), magnetic fields (B-dot), ground and free field sensors. We develop and manufacture corresponding high speed passive integrators and propose fibre optic links for the free field sensors.

Complete Test Installations

Thanks to our wide expertise in the EMC measurements and tests, montena emc is an ideal partner to design and assemble turn-key test installations.