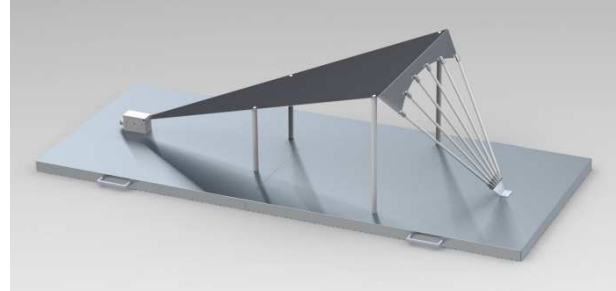




NEMP radiated susceptibility test setup



This test set-up can be used for the susceptibility testing of small pieces of equipment such as printed boards, small subsystems, etc., according to MIL-STD-461 / RS105 (NEMP: nuclear electromagnetic pulse). Associated with the generator EMP25K-2-23, the minimum field under the line RL50-50 is 50 kV/m at full output. Even higher fields can be achieved for smaller objects placed close to the beginning of the line. The line can also be used for other pulse or CW tests.

The antenna is fixed on a stable and solid table which can be moved easily. The generator can be controlled by a computer through RS232 and USB interface. We also provide all the necessary accessories like electromagnetic field sensors, interconnecting cables, voltage dividers for the measurement of the output of the generator, etc.

SPECIFICATIONS - Generator

Type	EMP25K-2-23
Standard	MIL-STD461-E / F, paragraph RS105
Peak voltage	typically $\leq +0.2$ kV to $\geq +25$ kV
Impedance	100 ohm
Rise time (10 – 90 %)	2.3 ns \pm 0.5 ns
Pulse length on 100 ohm (50 – 50 %)	23 ns \pm 5 ns
Output connector	HVM50K
Power rating	85 - 264 V _{ac} / 50 - 60 Hz / 150 VA
Dimensions	56 x 19 x 45 cm (L x H x W)
Weight	15 kg

SPECIFICATIONS - Line

Type	RL50-50
Structure	bounded wave line / TEM mode
Impedance	100 ohm
Maximum height of the EUT	17 cm (according to MIL-STD461 / RS105)
Input connector	HVM50K
Dimensions	200 x 55 x 80 cm (L x H x W)
Weight	25 kg