

GTEMCELL-GTEM READ WARNINGS BEFORE USING!

HANDLE CAREFULLY

The GTem cell is a professional test equipment intended for EMC emissions and immunity test purposes operated by trained personnel. Some care are necessary:

- To move the cell don't push or pull from the apex, do only from the trolley frame, before moving: un-lock the brakes of the wheels, when finished lock it again.
- Open or close the door handling softly.
- Insert always straight the N or SMA connectors, don't tight too much, it is not necessary!.
- To protect the Apex: one N type corner adaptor connector is supplied; please don't remove it. In case of break replace it.

RADIO FREQUENCY RADIATION

Personnel should not be exposed to the microwave energy which may radiate from this device. All inputs or output RF connection gaskets must be leak proof.

Never look inside or leave doors open when this device is energized!.

ELECTROMAGNETIC FIELD

Strong RF levels may cause de-magnetization and interference to others services.

Operate always with the door closed and keep the cell far from sensitive devices.

SHOCK HAZARD

Accidental SHORT CIRCUITS or LEACKAGE CURRENT from EMI filters may occurs:

Supply the unit through magneto-thermal differential switches lines. Keep always the GTem cell grounded, also with power supply disconnected. During normal tests operation connect energy only with the door closed.

ELECTROSTATIC DISCHARGE

To avoid ESD keep always the GTem cell grounded fitted with a permanent earth 16sqmm. Conductor connected to a low resistance earthed point.

DANGER

Risk of injury of cuts at the hands and hit of the head around the metallic surfaces of the chamber may occurs. Place the cell in an free area from obstacles.

MAINTENANCE

Verify periodically:

- the status of the door gasket,
- I/O connectors integrity.
- Lubricate the wheels of the trolley and the door hinges with Vaseline Oil.

Clean inside the chamber excess of dust with a vacuum cleaner.

Protect metallic surfaces against corrosion, cleaning with a soft cloth wet of Vaseline, or Paraffine oils.

Avoid any cleaner product water based or chlorine contents!

APPLICATION LIMITS

RF POWER INPUT: At low frequencies 800W max (discontinuous service) , 500W continuous, 5KW peak 5nSec. pulse . (The values decrease with the increasing of the frequency: 200W max power at 20GHz.. Risk of fault of insulation in the N input connector)

LINE FILTERS

The unit is equipped with standard : 2 port AC DC filtered 6 Amps max 230V
2 port AC 50Hz 25 Amps filter 230V

A magneto-thermal switch 16A or 25A controls the over-currents. A 16sqmm. Ground permanent connection for ESD and Earth is required.

ASSISTANT and WARRANTY

The unit is covered with 2 year warranty against defects. For assistance contact gtem.cell@gmail.com

www.GtemCell.com

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