

GTEMCELL – 50 Ohm STRIP LINE

READ WARNINGS BEFORE USING!

HANDLE CAREFULLY

The GTemcell STRIP-LINE is a professional test equipment intended for EMC emissions and immunity test purposes operated by trained personnel.

Some care are necessary:

- To move the table don't push or pull from the aluminum line, don't force the apex, operate only from the trolley frame.
- Before moving: if installed, un-lock the brakes of the wheels, when finished lock it again.
- When connect coaxial cables Insert always straight the N 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

Due to the capacity of generate high field the users has to be trained of the risks and personnel injury:

Personnel should not be exposed to the direct RF energy which may radiate from this device: All RF, inputs or output, connections when energized are under voltage!.

The device was studied to be placed in shielded chamber to avoid interference with other service according the rules of the country.

For yours safety reduce the exposition time at the minimum (remember that the suggested max field for 24/hour exposition is 6V/m and we are playing up to 300V/m!), Never look inside or leave doors open when this device is energized!. Don't touch the surface of line: It may cause severe burn and electric shock! Personnel with pace-maker or auditive device implanted are strictly forbidden to stay near the device!

ELECTROMAGNETIC FIELD

Strong RF levels may cause de-magnetization and interference to others services. Operate always with the door closed and keep the strip-line far from sensitive devices.

SHOCK HAZARD

Accidental SHORT CIRCUITS, ARCS or LEACKAGE CURRENT may occurs during the tests. Supply the unit through LISN (Line impedance stabilization network) and power lines throu magneto-thermal differential switches. A 16sqmm. Ground permanent connection for ESD and Earth is required, also with generator or receiver disconnected.

ELECTROSTATIC DISCHARGE

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

DANGER

Risk of injury of cuts at the hands around the metallic surfaces, burning, voltage shock, leakage current may occurs. Place the strip-line in an restricted free area from obstacles.

MAINTENANCE

Verify periodically:

- the status I/O connectors integrity.
- Lubricate the wheels of the trolley and the table plane with a cloth wet of Vaseline Oil.

Keep Clean the surface of the table from un usefull objects.

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: 300W max (continuous service), 2500W peak 5nSec. Pulse.

Risk of fault of insulation in the N input connector)

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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