**Description**

GTEMCELL EMCTEST’s model EMC SHB-50 is an ideal solution when space is a limitation, it can be used for pre-compliance electromagnetic compatibility measurements, as well as telecommunications and biomedical applications. The EMC SHB 50 is built on a moveable cart trolley. The box can be equipped with antennas for measurements over wireless, mobile handset device measurements may be used for prototyping, pre-certification testing, performance measurements and production sampling with a good correlation to measurements made in larger fully compliant chambers.
Key Features
- Ruggedized fully hot galvanized steel construction (INOX steel optional)
- Door with 3 rows of gaskets and 200mm. Diam. shielded window.
- Room with 10cm. lining absorber, useful internal volume: 415x250x350mm
- Unique compact design: Optimized for EMI and EMC.
- Broadband up to 18Ghz. High effective shielding
- 2 poles + ground 230Vac 50Hz 6A EMI standard line filter, SCHUCO inlet.
- Excellent quality at Low cost

Applications
- Total radiated Power (TRP)
- Effective Isotropic Radiated Power (EIRP)
- Total Isotropic sensitivity (TIS)
- Effective Isotropic Sensitivity (EIS)
- Test ambient for Microwave in the frequency range 700MHz-20GHz
- Radiation and susceptibility test * (options required).
- Biomedical and dosimetrical applications
- Isotropic sensors calibration
- Receiver sensitivity test
- Shielding effectiveness characterization test

Specifications
- Shielding: better than 60dB up to 100dB
- Absorbers: 100 mm anechoic foam
- Outer cell dimension: (L)62x(W)57x(H)104,5cm (trolley included)
- Weight: About 80 Kgs.
- Door Size clearance: 40 x 40 cm,
- Shielded inspection window: Diam.200 polycarbonate glass
- Construction: Fully Hot galvanized steel 10/10 and 20/10 thickness

Options *

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Antenna</td>
<td>frequency range: 800MHz-18GHz</td>
</tr>
<tr>
<td>Log Antenna</td>
<td>2-12GHz (20W max power)</td>
</tr>
<tr>
<td>Patch antenna</td>
<td>2,4-2,5GHz</td>
</tr>
<tr>
<td>Patch antenna</td>
<td>5-6GHz</td>
</tr>
<tr>
<td>Field strength Isotropic sensor measure</td>
<td>100KHz-9GHz</td>
</tr>
<tr>
<td>Polarization</td>
<td>Vertical / Horizontal switchable</td>
</tr>
<tr>
<td>feed-thru fibre optic penetration</td>
<td>3 or 6 couples.</td>
</tr>
<tr>
<td>Revestment</td>
<td>TDK 6mm. ferrite tiles</td>
</tr>
<tr>
<td>I/O filters</td>
<td>DB-9, DB-25, and customized</td>
</tr>
<tr>
<td>* I/O filters</td>
<td>USB,</td>
</tr>
</tbody>
</table>

Customized with:

- N.2 USB filter

- N.1 Waveguide 20mm. Diam. rigid or flexible guide in metal Cu-Cr-Ni tissue.