



SAE Option for GTEM and TEM Cells

*** Applicable to any: GTEM 250-400-500-750-1000-1500 models.
for Emissions and Immunity Testing, version for SAE**

<p>- Test cell with special opening to test integrated circuits on approx. 45 mm septum height</p>	
<ul style="list-style-type: none"> - Meets IEC/EN 61000-4-20, SAE J1752/3, IEC 62132-2 and IEC 61967-2 	
<ul style="list-style-type: none"> - For 100 Watts input power 	
<ul style="list-style-type: none"> - Excellent VSWR up to 18 GHz 	

The GTEM cell is, in principle, a tapered coaxial line (offset septum plate), which is terminated by a hybrid combination of discrete resistors and RF absorbers to achieve a 50 Ohm broadband match. It is applied for Measuring of Emission, Radiated, radio frequency field-immunity test.

Model GTEMCELL xxx SAE to test integrated circuits includes a special opening, dimensions: 80 mm x 80 mm on Approx. 45 mm septum height, closed from a removable panel where are placed the IC under testing.

The standards SAE J1752/3 and IEC 61967-2 defines a method for measuring the electromagnetic radiation from an integrated circuit (IC). The IC itself is mounted on a test board on a panel that is clamped in the upper face close to the top of the GTEM cell. The test board becomes a part of the cell wall.

A receiver or spectrum analyzer measures the RF emissions emanating from the integrated circuit and impressed onto the septum of the cell. The standard IEC 62132-2 defines the immunity test set-up on integrated circuits tested with a GTEM.

Required input power for field strength of 10 V/m (Y axis, typical values)

