The Fluke 83V, 87V, and 88V was tested to the following standard at the EMC laboratories of Fluke Corporation.

EN 61326-1 :2006
Class B Emissions and Immunity

The Fluke 83V, 87V and 88V pass test requirements for equipment used for:

[ ] Industrial Locations  [ ] Controlled EM Environments  [ ] Portable Equipment
[ ] Non-Domestic Use (Class A) [ ] Domestic Use (Class B)

Class B equipment is equipment suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

Prepared by:
Thomas Smith ___________________________ Date: Nov 3, 2008
Test Engineer Sr.

Approved by:
[ ] Product Evaluation Manager
[ ] Division Engineering Manager
I. Test Results

The Fluke 87-V Digital Multimeter was tested to the following Electromagnetic Compatibility (EMC) requirements:

Adapted from CISPR 11 Table 2b

### Emissions Limits for Class B Equipment

<table>
<thead>
<tr>
<th>Port</th>
<th>Frequency</th>
<th>Limits</th>
<th>Standard</th>
<th>Pass/Fail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td>30 to 230</td>
<td>30dB (uV/m) quasi peak, measured at 10 meters.</td>
<td>CISPR 11</td>
<td>Pass¹</td>
</tr>
<tr>
<td></td>
<td>230 to 1000</td>
<td>37dB (uV/m) quasi peak, measured at 10 meters.</td>
<td></td>
<td>Pass¹</td>
</tr>
<tr>
<td></td>
<td>0 to 0.002</td>
<td>As specified in 61000-3-2 and 61000-3-3.</td>
<td>61000-3-2</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>0.15 to 0.5</td>
<td>66dB (uV/m) to 56dB (uV/m) quasi peak. Limits decrease linearly with log. of frequency.</td>
<td>61000-3-3</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>0.5 to 5.0</td>
<td>56dB (uV/m) quasi peak, 46dB (uV/m) average.</td>
<td>CISPR 11</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>5 to 30</td>
<td>60dB (uV/m) quasi peak, 50dB (uV/m) average.</td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

1. Initial Report: 87V_EMCTestReport.doc

Portable test & measurement equipment that is not capable of operating while being charged is tested to the following immunity requirements:

Adapted from IEC 61326-1:2005 Table A.1

### Immunity test requirements for portable test and measurement equipment

<table>
<thead>
<tr>
<th>Port</th>
<th>Phenomenon</th>
<th>Basic standard</th>
<th>Test value</th>
<th>Criteria</th>
<th>Pass/Fail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td>ESD</td>
<td>IEC 61000-4-2</td>
<td>4 kV/8 kV contact/air</td>
<td>B</td>
<td>Pass²</td>
</tr>
<tr>
<td></td>
<td>EM Field</td>
<td>IEC 61000-4-3</td>
<td>3 V/m (80 MHz to 1 GHz)</td>
<td>A¹</td>
<td>Pass²</td>
</tr>
<tr>
<td></td>
<td>EM Field</td>
<td>IEC 61000-4-3</td>
<td>3 V/m (1,4 GHz to 2 GHz)</td>
<td>A¹</td>
<td>Pass</td>
</tr>
<tr>
<td></td>
<td>EM Field</td>
<td>IEC 61000-4-3</td>
<td>1 V/m (2,0 GHz to 2,7 GHz)</td>
<td>A¹</td>
<td>Pass</td>
</tr>
</tbody>
</table>

1. See performance criteria definitions on following page.
2. Initial Report: 87V_EMCTestReport.doc