**Compliance Insert**

5.2.1.a) *This equipment is suitable for hospitals except for near active HF SURGICAL EQUIPMENT and the RF shielded room of an ME SYSTEM*

5.2.1.c) *WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.*

5.2.1.e) *WARNING: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.*

5.2.2.1.a) EMC Technical Description:

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| **Guidance and Manufacturer’s Declaration—Electromagnetic Emissions** | | | |
| This Medical-Grade UPS is intended for use in the electromagnetic environment specified below. The customer or the user of this Medical-Grade UPS should assure that it is used in such an environment. | | | |
| Standard | Description | Test Level/Limit | Guidance |
| EN 55011:  2009+A1:2010 | Radiated Emissions | Class A Group 1,  30 - 1000 MHz | See notes 1 and 2. |
| EN 55011:  2009+A1:2010 | Conducted Emissions | Class A Group 1,  150 kHz – 30 MHz | See notes 1 and 2. |
| Notes:   1. Group 1: The Medical-Grade UPS uses RF energy only for its internal function. Therefore, its RF emissions are very low and unlikely to cause any interference in nearby electronic equipment. 2. Class A: The Medical-Grade UPS is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. | | | |
| **Guidance and Manufacturer’s Declaration—Electromagnetic Immunity** | | | |
| This Medical-Grade UPS is intended for use in the electromagnetic environment specified below. The customer or the user of this Medical-Grade UPS should assure that it is used in such an environment. | | | |
| Standard | Description | Test Level/Limit | Guidance |
| EN 61000-4-2:2009 | Electrostatic Discharge Immunity | ±15 kV Air Discharge  ±8 kV Contact Discharge,  VCP, HCP | Floors should be wood, concrete or ceramic tile. If colors are covered with synthetic material, the relative humidity should be at least 30%. |
| EN 61000-4-3: 2006 | Radiated Electromagnetic Immunity | 10V/m, 80 - 1000 Mhz  3V/m, 1 to 2.7 GHz at 80% 1kHz AM Modulation | Mains power quality should be that of a typical commercial or hospital environment. |
| Radiated Electromagnetic and Proximity Fields Immunity | RF wireless communication fields on Spot Frequencies from Table 9 at 50%, Square wave Modulation 9 to 28 V/m, |
| EN 61000-4-4:2012 | Electrical Fast Transient/Burst Immunity | ±2kV on AC Mains  ±1 kV on SIP/SOP Ports | Mains power quality should be that of a typical commercial or hospital environment. |
| EN 61000-4-5:2006 | Surge Immunity | ±0.5 kV, ±1 kV, ±2kV CM Line-Gnd  ±0.5 kV, ±1 kV, DM Line-Line  NA on SIP/SOP Ports | Mains power quality should be that of a typical commercial or hospital environment. |
| EN 61000-4-6:2013 | Conducted Immunity | 6V rms, on ISM and Amateur bands,  3V rms, 0.15 - 80 MHz, AC Mains  and SIP/SOP Ports | Mains power quality should be that of a typical commercial or hospital environment. |
| EN 61000-4-8:2010 | Power Frequency Magnetic Field Immunity | 30A/m @ 50Hz or 60Hz  3 orthogonal orientations | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |
| EN 61000-4-11:2004 | Voltage Dips, Short Interruptions and Voltage Variations Immunity | 0%, 0.5 Cycles, 0%, 1 Cycle  70%, 30 Cycles, 0%, 300 Cycles | Mains power quality should be that of a typical commercial or hospital environment. |
| EN 61000-2-2:2004 | Power Line Harmonics and Inter-Harmonics | Single sinusoidal source of 10V rms, slowly varied from 140 to 360 Hz. | Mains power quality should be that of a typical commercial or hospital environment. |