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BUSINESS UNIT Electrification – Smart Power
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ABB MegaFlex UL UPS seismic rating and certification

To whom it may concern,

The ABB UPS were subjected to Seismic Certification testing at Environmental Testing Laboratory in compliance with ICC Evaluation Service Document AC156 “Acceptance Criteria for Seismic Certification by Shake-Table Testing of Nonstructural Components and Systems”, Effective November 1, 2010. The following tables provide a brief summary of the tests and their results. This test was performed in three orthogonal axes. The waveform calculation was based on the worst-case scenario of the A_{FLX} and A_{RIG} values provided in the seismic parameters tables. The Test Response Spectrum (TRS) was calculated using 5% damping and 1/6 octave spacing.

The MegaFlex UL UPS was tested and passed under the following parameters:

Test performed	SDS	Z/H	Ip	Horizontal		Vertical	
				A_{FLX}	A_{RIG}	A_{FLX}	A_{RIG}
AC-156	2.0	1.0	1.25	3.2	2.4	1.34	0.54

Sincerely,

John Goosseff
Global Product Manager, UL
Uninterruptable Power Supplies