



## EMI/EMS Test Result

Model Name : AEA800F series

Approved : Jun Uchida

The EUT is operated with following condition during EMI/EMS test.

 Input Voltage : 230VAC / 50Hz  
 Output Current : Rated Current \*1  
 Ambient Temperature : 25°C ± 10°C

Prepared : Yuto Takahashi

#	Subject	Reference standard	Test Condition	Criteria *2	Result
1	EMI	Conducted Emission	EN55011, EN55032 Class B CISPR11, CISPR32 Class B FCC Part15 Class B VCCI Class B	-	Pass
2		Radiated Emission	EN55011, EN55032 Class B CISPR 32 Class B FCC Part15 Class B VCCI Class B	-	Pass
3		Harmonic Current	IEC61000-3-2 Class A	-	Pass
4	EMS	Electrostatic discharge immunity test	IEC61000-4-2 Contact Discharge : Level 4 (8kV) Air Discharge : Level 4 (15kV) Applied to Chassis, Input, Output and FG terminal	A	Pass
5		Radiated, radio-frequency, electromagnetic field immunity test	IEC61000-4-3 10V/m : (80MHz~2.7GHz) 80% Amplitude modulated	A	Pass
6		Electrical fast transient / Burst immunity test	IEC61000-4-4 Level 4 (4kV) Repetition Rate : 5kHz and 100kHz	A	Pass
7		Surge immunity test	IEC61000-4-5 Line to Line : Level 4 (2kV) Line to Earth : Level 4 (4kV)	A	Pass
8		Immunity to conducted disturbances, induced by radio-frequency fields	IEC61000-4-6 Voltage Level (e.m.f.) : Level 3 (10Vrms)	A	Pass
9		Power frequency magnetic field Immunity test	IEC61000-4-8 Magnetic Field Strength : Level 4 (30A/m)	A	Pass
10		Voltage dips, short interruptions and voltage variations immunity test	IEC61000-4-11 (1) 100% dip for 10ms, 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° (2) 100% dip for 20ms, 0° (3) 60% dip for 100ms, 0° (4) 30% dip for 500ms, 0° (5) 100% dip for 5 seconds (short interruption)	A A A A B	Pass Pass Pass Pass Pass

\*1 Output power under convection cooling

\*2 Definition of Criteria

Criteria A : (1) Output voltage fluctuation is less than the following.

- 5% of rated voltage (Rated output voltage : 5V or less)
- 10% of rated voltage (Rated output voltage : More than 5V)

(2) No circuit malfunctions.

Criteria B : (1) The power supply is not failed.

(2) The output voltage recovers automatically, even if it drops temporarily.

&lt;Notes&gt;

Power supply shall not determine the final equipment performance against EMS test. Therefore, only output voltage was checked. EMS test should be performed as a final product.