For Reference

COSEL

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Cosel Co., Ltd.
New Product Development Dept.1

EMI/EMS Test Result

Model Name : PDA75F

Approved : Yoshiaki Shimizu

The EUT was operated under the following conditions during the EMI/EMS tests.

Input Voltage : 230 VAC / 50 Hz
Output Current : Rated Current
Ambient Temperature : 25 ºC ± 10 ºC

Prepared : Masashi Maki

#	Subject		Reference standard	Test Condition	Criteria *1	Result
1	EMI	Conducted Emission		EN55011, EN55032 Class B CISPR11, CISPR32 Class B FCC Part15, FCC Part18 Class B VCCI Class B	-	Pass
2		Radiated Emission		EN55011, EN55032 Class B CISPR11, CISPR32 Class B FCC Part15, FCC Part18 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)	A	Pass
5		Radiated, radio-frequency, electromagnetic field immunity test	IEC61000-4-3	10V/m : (80MHz~1.0GHz) 3V/m : (1.4 ~ 2.0GHz) 1V/m : (2.0 ~ 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 20ms (2) 60% dip for 200ms (3) 30% dip for 500ms	A B A	Pass Pass Pass
				(4) 100% dip for 5 seconds (short interruption)	B	Pass

*1 Definition of Criteria

Criteria A : (1) No output voltage drop or control circuit malfunction.
(2) No failure of the protection circuit or any other circuit.

Criteria B : (1) The output voltage may temporarily degrade,
but recovers to normal without operator intervention.
(2) No failure of the protection circuit or any other circuit.

<Notes>
The power supply alone does not determine the final equipment's EMS performance. Therefore, only the output-voltage performance was evaluated. EMS testing should be performed on the final product.