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Cosel Co., Ltd.  
US Design Dept.

EMI/EMS Test Result

Model Name : LHA300F series

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

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

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#	Subject	Reference standard	Test Condition	Criteria *1	Result
1	EMI		EN55011, EN55032 Class B	-	Pass
			CISPR 32 Class B		
			FCC Part15 Class B		
2	EMI		EN55011, EN55032 Class B	-	Pass
			CISPR 32 Class B		
			FCC Part15 Class B		
3		IEC61000-3-2	Class A	-	Pass
4	EMS	IEC61000-4-2	Contact Discharge : Level 4 (8kV) Air Discharge : Level 4 (15kV)	A	Pass
5		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		IEC61000-4-4	Level 4 (4kV) Repetition Rate : 5kHz and 100kHz	A	Pass
7		IEC61000-4-5	Line to Line : Level 3 (2kV) Line to Earth : Level 4 (4kV)	A	Pass
8		IEC61000-4-6	Voltage Level (e.m.f.) : Level 3 (10Vrms)	A	Pass
9		IEC61000-4-8	Magnetic Field Strength : Level 4 (30A/m)	A	Pass
10			IEC61000-4-11	(1) >95% dip for 20ms	A
	(2) 60% dip for 200ms			B	Pass
	(3) 30% dip for 500ms			A	Pass
	(4) 95% dip for 5 seconds (short interruption)			B	Pass

\*1 Definition of Criteria

Criteria A : (1) No output voltage drop with control circuit failure.  
(2) No protection circuit and other circuit malfunction.

Criteria B : (1) The output voltage is temporary degradation of performance.  
It recovers its normal performance without operator intervention.  
(2) No protection circuit and other circuit failure.

<Notes>

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