



EMI/EMS Test Result

Model Name : STMGFS80 series

Approved : Hironobu Shimizu

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

Input Voltage : Rated Voltage
Output Current : Rated Current
Ambient Temperature : 25°C ± 10°C

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#	Subject	Reference standard	Test Condition	Criteria *1	Result	
1	EMI		Conducted Emission	EN55011, EN55032 Class A CISPR11,CISPR32 Class A FCC Part15 Class A VCCI Class A	-	Pass
			Radiated Emission	EN55011, EN55032 Class A CISPR 32 Class A FCC Part15 Class A VCCI Class A	-	Pass
3	EMS	IEC61000-4-2	Electrostatic discharge immunity test	Contact Discharge : Level 4 (8kV) Applied to Chassis, Input, Output and FG terminal	A	Pass
4		IEC61000-4-3	Radiated, radio-frequency, electromagnetic field immunity test	10V/m : (80MHz~2.7GHz) 3V/m : (1.4 ~ 2.0GHz) 1V/m : (2.0 ~ 2.7GHz) 80% Amplitude modulated	A	Pass
5		IEC61000-4-4	Electrical fast transient / Burst immunity test	Level 4 (4kV) Repetition Rate : 5kHz and 100kHz	A	Pass
6		IEC61000-4-5	Surge immunity test	Line to Line : Level 1 (0.5kV) Line to Earth : Level 3 (2kV)	B	Pass

***1 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.

<Notes>

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.