

STMGFS30/STMGFW30 Series EMI/EMS Test resultsApproved : *Takahiro Yoneda*

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No.	Test item	Conditions	Conditions of Acceptability	Result
1	Line conduction	(1) Rated input (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$	(1) Meets the undermentioned standard. FCC Part15 classA, VCCI classA CISPR11 classA, EN55011-A	OK
2	Radiated emission	(1) Rated input (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$	(1) Meets the under mentioned standard. FCC Part15 classA, VCCI classA CISPR11 classA, EN55011-A	OK
3	Static electricity immunity test (EN61000-4-2)	(1) Rated input (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Contact discharge voltage 8[kV] (EN61000-4-2 Level 4)	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK
4	Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)	(1) Rated input (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Testing field strength 10[V/m] (EN61000-4-3 Level 3)	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK
5	Electrical fast transient/ burst immunity test (EN61000-4-4)	(1) Rated input (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Test peak voltage 4[kV] (IEC61000-4-4 Level 4)	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK
6	Surge immunity test (EN61000-4-5)	(1) Rated input (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Test voltage Line to line 0.5[kV] (Level 1) Line to earth 2[kV] (Level 3)	(1) The power supply is not stop. (2) Circuit does not malfunction. (3) No abnormality of the insulation destruction etc. (4) Parts are no damaged.	OK