

STMGFS15/STMGFW15 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 |