

ABNORMAL TEST RESULT

OF MODEL MGS/MGFS3024/48 (3R3/05/12/15)

1. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown?

No.

4. Other Results?

See the following pages .

(FMEA : 2/20 ~ 19/20)

(Abnormal Test Result: 20/20 ~ 20/20)

There was no emission of flame, molten metal, ignition of cheesecloth, dielectric breakdown, opening of the ground fuse, other indication of a shock or fire hazard.

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|-------------------------|--------------------|
| C101 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C102 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C103 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C104 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C105 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C106 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C107 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C108 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C111 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C121 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C122 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C131 | Open | Normal operation. | |
| | Short | Normal operation. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|---|--------------------|
| C141 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C151 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C152 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| C153 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | No Hazard. | AVR1:0 |
| C161 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C162 | Open | No Hazard. | AVR1:0 |
| | Short | No Hazard. | AVR1:0 |
| C171 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C181 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C191 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | No Hazard. | AVR1:0 |
| C192 | Open | Normal operation. | |
| | Short | F101 opened, No hazard. | AVR1:0 |
| C201 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C202 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|---|--------------------|
| C203 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C204 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C205 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C206 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C207 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C211 | Open | See 20 Page. | |
| | Short | Normal operation. | |
| C213 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| C214 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| C215 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| C221 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| C231 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C232 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|---|--------------------|
| C233 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| C234 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| C235 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| D101 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D141 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D151 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D171 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D172 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| D181 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D182 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D183 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased |
| D211 | Open | Normal operation. | |
| | Short | See 20 Page. | |



F M E A

| Component | Mode | Comment | Output Voltage (V) | |
|-----------|-------|---|---|----------------|
| D212 | Open | See 20 Page. | | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased | |
| D221 | Open | Output voltage decreased. No hazard. | AVR1:decreased | |
| | Short | Normal operation. | | |
| F101 | Open | No Hazard. | AVR1:0 | |
| | Short | Normal operation. | | |
| IC121 | Open | 1 | Normal operation. | |
| | | 2 | No Hazard. | AVR1:0 |
| | | 3 | Normal operation. | |
| | | 4 | Normal operation. | |
| | | 5 | Normal operation. | |
| | | 6 | Normal operation. | |
| | | 7 | Normal operation. | |
| | | 8 | No Hazard. | AVR1:0 |
| | Short | 1-2 | Normal operation. | |
| | | 2-3 | No Hazard. | AVR1:0 |
| | | 3-4 | Normal operation. | |
| | | 5-6 | Normal operation. | |
| | | 6-7 | Normal operation. | |
| | | 7-8 | Output voltage decreased. No hazard. | AVR1:decreased |
| IC161 | Open | 1 | No Hazard. | AVR1:0 |
| | | 2 | No Hazard. | AVR1:0 |
| | | 3 | F101 opened, No hazard. | AVR1:0 |
| | | 4 | No Hazard. | AVR1:0 |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|------|---|--------------------|
| IC161 | Open | 5 | No Hazard. | AVR1:0 |
| | | 6 | No Hazard. | AVR1:0 |
| | | 7 | No Hazard. | AVR1:0 |
| | | 8 | No Hazard. | AVR1:0 |
| | Short | 1-2 | No Hazard. | AVR1:0 |
| | | 2-3 | F101 opened, No hazard. | AVR1:0 |
| | | 3-4 | No Hazard. | AVR1:0 |
| | | 5-6 | See 20 Page. | |
| | | 6-7 | F101 opened, No hazard. | AVR1:0 |
| | | 7-8 | Normal operation. | |
| IC231 | Open | K | No Hazard. | AVR1:0 |
| | | A | No Hazard. | AVR1:0 |
| | | R | No Hazard. | AVR1:0 |
| | Short | A-K | Output voltage decreased. No hazard. | AVR1:decreased |
| | | K-R | Output voltage decreased. No hazard. | AVR1:decreased |
| | | R-A | No Hazard. | AVR1:0 |
| L101 | Open | | No Hazard. | AVR1:0 |
| | Short | | Normal operation. | |
| L181 | Open | | See 20 Page. | |
| | Short | | See 20 Page. | |
| L201 | Open | | F101 opened, No hazard. | AVR1:0 |
| | Short | | Output voltage decreased. No hazard. | AVR1:decreased |
| PC141 | Open | A, K | Normal operation. | |
| | | C, E | Normal operation. | |



F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|------|---|--------------------|
| PC141 | Short | A-K | Normal operation. | |
| | | C-E | No Hazard. | AVR1:0 |
| PC151 | Open | A, K | No Hazard. | AVR1:0 |
| | | C, E | No Hazard. | AVR1:0 |
| | Short | A-K | Output voltage decreased. No hazard. | AVR1:decreased |
| | | C-E | No Hazard. | AVR1:0 |
| T101 | Open | 1 | See 20 Page. | |
| | | 2 | Normal operation. | |
| | | 3 | Normal operation. | |
| | | 4 | Normal operation. | |
| | | 5 | Normal operation. | |
| | | 6 | See 20 Page. | |
| | | 7 | See 20 Page. | |
| | | 8 | Normal operation. | |
| | | 9 | Normal operation. | |
| | | 10 | Normal operation. | |
| | | 11 | Normal operation. | |
| | | 12 | See 20 Page. | |
| | Short | 1-2 | No Hazard. | AVR1:0 |
| | | 2-3 | Normal operation. | |
| | | 3-4 | F101 opened, No hazard. | AVR1:0 |
| | | 4-5 | Normal operation. | |
| | | 5-6 | See 20 Page. | |
| | | 7-8 | No Hazard. | AVR1:0 |



F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-------|---|--------------------|
| T101 | Short | 8-9 | Normal operation. | |
| | | 9-10 | No Hazard. | AVR1:0 |
| | | 10-11 | Normal operation. | |
| | | 11-12 | Output voltage decreased. No hazard. | AVR1:decreased |
| T171 | Open | 1 | No Hazard. | AVR1:0 |
| | | 2 | No Hazard. | AVR1:0 |
| | | 3 | Normal operation. | |
| | | 4 | Normal operation. | |
| | Short | 1-2 | Normal operation. | |
| | | 2-3 | No Hazard. | AVR1:0 |
| | | 3-4 | Normal operation. | |
| | | 1-4 | F101 opened, No hazard. | AVR1:0 |
| T191 | Open | 1 | Output voltage decreased. No hazard. | AVR1:decreased |
| | | 2 | Output voltage decreased. No hazard. | AVR1:decreased |
| | | 3 | Output voltage decreased. No hazard. | AVR1:decreased |
| | | 4 | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | 1-2 | Output voltage decreased. No hazard. | AVR1:decreased |
| | | 2-3 | Output voltage decreased. No hazard. | AVR1:decreased |
| | | 3-4 | Output voltage decreased. No hazard. | AVR1:decreased |
| | | 1-4 | Normal operation. | |
| TH141 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| TR101 | Open | D | See 20 Page. | |
| | | S | See 20 Page. | |



F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|-------------------------|--------------------|
| TR101 | Open | G | See 20 Page. | |
| | Short | D-S | See 20 Page. | |
| | | S-G | See 20 Page. | |
| | | G-D | See 20 Page. | |
| TR102 | Open | C | Normal operation. | |
| | | E | No Hazard. | AVR1:0 |
| | | B | No Hazard. | AVR1:0 |
| | Short | C-E | See 20 Page. | |
| | | E-B | Normal operation. | |
| | | B-C | F101 opened, No hazard. | AVR1:0 |
| TR103 | Open | C | See 20 Page. | |
| | | E | F101 opened, No hazard. | AVR1:0 |
| | | B | F101 opened, No hazard. | AVR1:0 |
| | Short | C-E | No Hazard. | AVR1:0 |
| | | E-B | See 20 Page. | |
| | | B-C | No Hazard. | AVR1:0 |
| TR111 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | F101 opened, No hazard. | AVR1:0 |
| | | E-B | Normal operation. | |
| | | B-C | F101 opened, No hazard. | AVR1:0 |
| TR112 | Open | C | F101 opened, No hazard. | AVR1:0 |
| | | E | F101 opened, No hazard. | AVR1:0 |



F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|------|-------------------------|--------------------|
| TR112 | Open | B | F101 opened, No hazard. | AVR1:0 |
| | Short | C-E | Normal operation. | |
| | | E-B | Normal operation. | |
| | | B-C | Normal operation. | |
| TR113 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | F101 opened, No hazard. | AVR1:0 |
| | | E-B | Normal operation. | |
| | | B-C | F101 opened, No hazard. | AVR1:0 |
| TR131 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | AVR1:0 |
| | | E-B | Normal operation. | |
| | | B-C | No Hazard. | AVR1:0 |
| TR132 | Open | C | No Hazard. | AVR1:0 |
| | | E | No Hazard. | AVR1:0 |
| | | B | No Hazard. | AVR1:0 |
| | Short | C-E | Normal operation. | |
| | | E-B | No Hazard. | AVR1:0 |
| | | B-C | Normal operation. | |
| TR133 | Open | C(6) | Normal operation. | |
| | | E(1) | Normal operation. | |

F M E A

| Component | Mode | | Comment | Output Voltage (V) | |
|-----------|-----------|-----------|---|--------------------|--------|
| TR133 | Open | B(2) | Normal operation. | | |
| | | Short | C(6)-E(1) | No Hazard. | AVR1:0 |
| | | | E(1)-B(2) | Normal operation. | |
| | B(2)-C(6) | | Normal operation. | | |
| | Open | C(3) | Normal operation. | | |
| | | E(4) | Normal operation. | | |
| | | B(5) | Normal operation. | | |
| | Short | C(3)-E(4) | Normal operation. | | |
| | | E(4)-B(5) | Normal operation. | | |
| | | B(5)-C(3) | Normal operation. | | |
| | TR141 | Open | C(6) | Normal operation. | |
| | | | E(1) | Normal operation. | |
| B(2) | | | Normal operation. | | |
| Short | | C(6)-E(1) | No Hazard. | AVR1:0 | |
| | | E(1)-B(2) | Normal operation. | | |
| | | B(2)-C(6) | No Hazard. | AVR1:0 | |
| Open | | C(3) | Normal operation. | | |
| | | E(4) | Normal operation. | | |
| | | B(5) | Normal operation. | | |
| Short | | C(3)-E(4) | No Hazard. | AVR1:0 | |
| | | E(4)-B(5) | Normal operation. | | |
| | | B(5)-C(3) | No Hazard. | AVR1:0 | |
| TR151 | Open | C(6) | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | E(1) | Output voltage decreased. No hazard. | AVR1:decreased | |



F M E A

| Component | Mode | | Comment | Output Voltage (V) | |
|-----------|-----------|-----------|---|---|----------------|
| TR151 | Open | B(2) | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | Short | C(6)-E(1) | Normal operation. | |
| | | | E(1)-B(2) | Output voltage decreased. No hazard. | AVR1:decreased |
| | B(2)-C(6) | | Normal operation. | | |
| | Open | C(3) | Normal operation. | | |
| | | E(4) | Normal operation. | | |
| | | B(5) | Normal operation. | | |
| | Short | C(3)-E(4) | No Hazard. | AVR1:0 | |
| | | E(4)-B(5) | Normal operation. | | |
| | | B(5)-C(3) | No Hazard. | AVR1:0 | |
| | TR171 | Open | C(6) | Normal operation. | |
| | | | E(1) | Normal operation. | |
| B(2) | | | No Hazard. | AVR1:0 | |
| Short | | C(6)-E(1) | No Hazard. | AVR1:0 | |
| | | E(1)-B(2) | Normal operation. | | |
| | | B(2)-C(6) | No Hazard. | AVR1:0 | |
| Open | | C(3) | Normal operation. | | |
| | | E(4) | No Hazard. | AVR1:0 | |
| | | B(5) | Normal operation. | | |
| Short | | C(3)-E(4) | Normal operation. | | |
| | | E(4)-B(5) | Normal operation. | | |
| | | B(5)-C(3) | No Hazard. | AVR1:0 | |
| TR172 | Open | C(6) | Normal operation. | | |
| | | E(1) | Normal operation. | | |

F M E A

| Component | Mode | | Comment | Output Voltage (V) | |
|-----------|-----------|-----------|---|--------------------|--|
| TR172 | Open | B(2) | Normal operation. | | |
| | | Short | C(6)-E(1) | Normal operation. | |
| | | | E(1)-B(2) | Normal operation. | |
| | B(2)-C(6) | | Normal operation. | | |
| | Open | C(3) | Normal operation. | | |
| | | E(4) | Normal operation. | | |
| | | B(5) | Normal operation. | | |
| | Short | C(3)-E(4) | Normal operation. | | |
| | | E(4)-B(5) | Normal operation. | | |
| | | B(5)-C(3) | Normal operation. | | |
| TR191 | Open | C | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | E | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | B | Output voltage decreased. No hazard. | AVR1:decreased | |
| | Short | C-E | F101 opened, No hazard. | AVR1:0 | |
| | | E-B | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | B-C | Output voltage decreased. No hazard. | AVR1:decreased | |
| TR211 | Open | D | No Hazard. | AVR1:0 | |
| | | S | No Hazard. | AVR1:0 | |
| | | G | Output voltage decreased. No hazard. | AVR1:decreased | |
| | Short | D-S | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | S-G | See 20 Page. | | |
| | | G-D | Output voltage decreased. No hazard. | AVR1:decreased | |
| TR212 | Open | D(6) | Normal operation. | | |
| | | S(1) | Normal operation. | | |

F M E A

| Component | Mode | | Comment | Output Voltage (V) | |
|-----------|-----------|-----------|---|---|----------------|
| TR212 | Open | G(2) | See 20 Page. | | |
| | | Short | D(6)-S(1) | Normal operation. | |
| | | | S(1)-G(2) | Output voltage decreased. No hazard. | AVR1:decreased |
| | G(2)-D(6) | | Output voltage decreased. No hazard. | AVR1:decreased | |
| | Open | D(3) | Normal operation. | | |
| | | S(4) | Normal operation. | | |
| | | G(5) | Normal operation. | | |
| | Short | D(3)-S(4) | Normal operation. | | |
| | | S(4)-G(5) | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | G(5)-D(3) | Output voltage decreased. No hazard. | AVR1:decreased | |
| | TR221 | Open | D | Output voltage decreased. No hazard. | AVR1:decreased |
| | | | S | Output voltage decreased. No hazard. | AVR1:decreased |
| G | | | Normal operation. | | |
| Short | | D-S | No Hazard. | AVR1:0 | |
| | | S-G | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | G-D | Output voltage decreased. No hazard. | AVR1:decreased | |
| TR222 | Open | D(6) | Normal operation. | | |
| | | S(1) | Normal operation. | | |
| | | G(2) | Normal operation. | | |
| | Short | D(6)-S(1) | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | S(1)-G(2) | Output voltage decreased. No hazard. | AVR1:decreased | |
| | | G(2)-D(6) | Output voltage decreased. No hazard. | AVR1:decreased | |
| | Open | D(3) | Normal operation. | | |
| | | S(4) | Normal operation. | | |



F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----------|---|--------------------|
| TR222 | Open | G(5) | Normal operation. | |
| | Short | D(3)-S(4) | Output voltage decreased. No hazard. | AVR1:decreased |
| | | S(4)-G(5) | Output voltage decreased. No hazard. | AVR1:decreased |
| | | G(5)-D(3) | Output voltage decreased. No hazard. | AVR1:decreased |
| ZD111 | Open | | F101 opened, No hazard. | AVR1:0 |
| | Short | | Normal operation. | |
| ZD112 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| ZD211 | Open | | See 20 Page. | |
| | Short | | See 20 Page. | |
| ZD223 | Open | | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | | Output voltage decreased. No hazard. | AVR1:decreased |
| ZD231 | Open | | No Hazard. | AVR1:0 |
| | Short | | Normal operation. | |
| ZD251 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| R101 | Open | | No Hazard. | AVR1:0 |
| R102 | Open | | F101 opened, No hazard. | AVR1:0 |
| R103 | Open | | Normal operation. | |
| R104 | Open | | No Hazard. | AVR1:0 |
| R105 | Open | | Normal operation. | |
| R106 | Open | | Normal operation. | |
| R107 | Open | | Normal operation. | |
| R108 | Open | | Normal operation. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|------|-------------------|--------------------|
| R111 | Open | Normal operation. | |
| R112 | Open | Normal operation. | |
| R121 | Open | No Hazard. | AVR1:0 |
| R122 | Open | No Hazard. | AVR1:0 |
| R123 | Open | Normal operation. | |
| R124 | Open | Normal operation. | |
| R125 | Open | Normal operation. | |
| R131 | Open | Normal operation. | |
| R132 | Open | Normal operation. | |
| R133 | Open | Normal operation. | |
| R134 | Open | No Hazard. | AVR1:0 |
| R135 | Open | Normal operation. | |
| R136 | Open | Normal operation. | |
| R137 | Open | Normal operation. | |
| R138 | Open | Normal operation. | |
| R139 | Open | Normal operation. | |
| R141 | Open | Normal operation. | |
| R142 | Open | Normal operation. | |
| R143 | Open | Normal operation. | |
| R144 | Open | No Hazard. | AVR1:0 |
| R151 | Open | Normal operation. | |
| R152 | Open | Normal operation. | |
| R153 | Open | Normal operation. | |
| R154 | Open | Normal operation. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|------|---|--------------------|
| R155 | Open | Normal operation. | |
| R156 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R161 | Open | No Hazard. | AVR1:0 |
| R162 | Open | No Hazard. | AVR1:0 |
| R170 | Open | Normal operation. | |
| R171 | Open | Normal operation. | |
| R172 | Open | Normal operation. | |
| R173 | Open | Normal operation. | |
| R174 | Open | Normal operation. | |
| R175 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R176 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R177 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R178 | Open | Normal operation. | |
| R181 | Open | F101 opened, No hazard. | AVR1:0 |
| R182 | Open | Normal operation. | |
| R191 | Open | Normal operation. | |
| R211 | Open | Normal operation. | |
| R212 | Open | Normal operation. | |
| R213 | Open | Normal operation. | |
| R221 | Open | Normal operation. | |
| R222 | Open | Normal operation. | |
| R223 | Open | Normal operation. | |
| R224 | Open | Normal operation. | |
| R225 | Open | Normal operation. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|------|---|--------------------|
| R226 | Open | Normal operation. | |
| R227 | Open | Normal operation. | |
| R228 | Open | Normal operation. | |
| R229 | Open | Normal operation. | |
| R230 | Open | Normal operation. | |
| R231 | Open | No Hazard. | AVR1:0 |
| R232 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R233 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R234 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R235 | Open | No Hazard. | AVR1:0 |
| R236 | Open | No Hazard. | AVR1:0 |
| R237 | Open | No Hazard. | AVR1:0 |
| R239 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R240 | Open | Normal operation. | |
| R241 | Open | Output voltage decreased. No hazard. | AVR1:decreased |
| R251 | Open | Normal operation. | |
| R252 | Open | Normal operation. | |
| R261 | Open | Normal operation. | |

ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|------|---|--------------------|
| C211 | Open | | Normal operation. | |
| D211 | Short | | Normal operation. | |
| D212 | Open | | Normal operation. | |
| IC161 | Short | 5-6 | Output voltage decreased. No hazard. | AVR1:decreased |
| L181 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| T101 | Open | 1 | Normal operation. | |
| | | 6 | Normal operation. | |
| | | 7 | Normal operation. | |
| | | 12 | Normal operation. | |
| | Short | 5-6 | F101 opened, No hazard. | AVR1:0 |
| TR101 | Open | D | No Hazard. | AVR1:0 |
| | | S | No Hazard. | AVR1:0 |
| | | G | F101 opened, No hazard. | AVR1:0 |
| | Short | D-S | F101 opened, No hazard. | AVR1:0 |
| | | S-G | No Hazard. | AVR1:0 |
| | | G-D | F101 opened, No hazard. | AVR1:0 |
| TR102 | Short | C-E | No Hazard. | AVR1:0 |
| TR103 | Open | C | Normal operation. | |
| | Short | E-B | Normal operation. | |
| TR211 | Short | S-G | Normal operation. | |
| TR212 | Open | G(2) | Normal operation. | |
| ZD211 | Open | | Normal operation. | |
| | Short | | Normal operation. | |