

## ABNORMAL TEST RESULT

## OF MODEL PBA75F

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 : 2/18 ~ 16/18)

( Abnormal Test Result: 17/18 ~ 18/18)

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             |
| C108      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| C109      | Open  | See 17 Page.            |                    |
|           | Short | See 17 Page.            |                    |
| C110      | Open  | See 17 Page.            |                    |
|           | Short | See 17 Page.            |                    |
| C111      | Open  | Normal operation.       |                    |
|           | Short | No Hazard.              | AVR1:0             |
| C112      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| C113      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| C115      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| C118      | Open  | See 17 Page.            |                    |
|           | Short | F101 opened, No hazard. | AVR1:0             |
| C129      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |

F M E A

| Component | Mode  |              | Comment                             | Output Voltage (V) |
|-----------|-------|--------------|-------------------------------------|--------------------|
| C201      | Open  |              | Normal operation.                   |                    |
|           | Short |              | No Hazard.                          | AVR1:0             |
| C202      | Open  |              | Normal operation.                   |                    |
|           | Short |              | No Hazard.                          | AVR1:0             |
| C203      | Open  |              | No Hazard.                          | AVR1:0             |
|           | Short |              | Normal operation.                   |                    |
| C204      | Open  |              | No Hazard.                          | AVR1:0             |
|           | Short |              | No Hazard.                          | AVR1:0             |
| C205      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |
| C206      | Open  |              | Output voltage decreased.No hazard. | AVR1:decreased     |
|           | Short |              | Normal operation.                   |                    |
| C207      | Open  |              | Output voltage decreased.No hazard. | AVR1:decreased     |
|           | Short |              | Normal operation.                   |                    |
| C208      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |
| C209      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |
| C211      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |
| C212      | Open  | ONLY-3R3, -5 | Normal operation.                   |                    |
|           | Short | ONLY-3R3, -5 | Output voltage decreased.No hazard. | AVR1:decreased     |
| C501      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |

## F M E A

| Component | Mode  |              | Comment                             | Output Voltage (V) |
|-----------|-------|--------------|-------------------------------------|--------------------|
| C502      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |
| C503      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |
| C504      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |
| C505      | Open  |              | Normal operation.                   |                    |
|           | Short |              | No Hazard.                          | AVR1:0             |
| C506      | Open  | EXCEPT-24    | Normal operation.                   |                    |
|           | Short | EXCEPT-24    | No Hazard.                          | AVR1:0             |
| C508      | Open  |              | Output voltage decreased.No hazard. | AVR1:decreased     |
|           | Short |              | Output voltage decreased.No hazard. | AVR1:decreased     |
| C512      | Open  |              | Normal operation. ONLY-24, -36, -48 |                    |
|           | Short |              | Normal operation. ONLY-24, -36, -48 |                    |
| C513      | Open  | ONLY-3R3     | Normal operation.                   |                    |
|           | Short | ONLY-3R3     | Output voltage decreased.No hazard. | AVR1:decreased     |
| C514      | Open  | ONLY-48      | Normal operation.                   |                    |
|           | Short | ONLY-48      | No Hazard.                          | AVR1:0             |
| C520      | Open  |              | Normal operation.                   |                    |
|           | Short |              | No Hazard.                          | AVR1:0             |
| C551      | Open  | ONLY-3R3, -5 | See 17 Page.                        |                    |
|           | Short | ONLY-3R3, -5 | Normal operation.                   |                    |
| D101      | Open  |              | Normal operation.                   |                    |
|           | Short |              | Normal operation.                   |                    |

## F M E A

| Component | Mode  | Comment                 | Output Voltage (V) |
|-----------|-------|-------------------------|--------------------|
| D102      | Open  | F101 opened, No hazard. | AVR1:0             |
|           | Short | F101 opened, No hazard. | AVR1:0             |
| D103      | Open  | See 17 Page.            |                    |
|           | Short | See 17 Page.            |                    |
| D104      | Open  | See 17 Page.            |                    |
|           | Short | See 17 Page.            |                    |
| D105      | Open  | Normal operation.       |                    |
|           | Short | No Hazard.              | AVR1:0             |
| D106      | Open  | See 17 Page.            |                    |
|           | Short | See 17 Page.            |                    |
| D107      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| D108      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| D109      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| D110      | Open  | Normal operation.       |                    |
|           | Short | Normal operation.       |                    |
| D201      | Open  | No Hazard.              | AVR1:0             |
|           | Short | Normal operation.       |                    |
| D202      | Open  | No Hazard.              | AVR1:0             |
|           | Short | Normal operation.       |                    |
| D203      | Open  | Normal operation.       |                    |
|           | Short | No Hazard.              | AVR1:0             |

## F M E A

| Component | Mode  |     | Comment                 | Output Voltage (V) |
|-----------|-------|-----|-------------------------|--------------------|
| D205      | Open  |     | No Hazard.              | AVR1:0             |
|           | Short |     | Normal operation.       |                    |
| IC101     | Open  | 1   | No Hazard.              | AVR1:0             |
|           |       | 2   | Normal operation.       |                    |
|           |       | 3   | Normal operation.       |                    |
|           |       | 4   | Normal operation.       |                    |
|           |       | 5   | No Hazard.              | AVR1:0             |
|           |       | 6   | No Hazard.              | AVR1:0             |
|           |       | 7   | F101 opened, No hazard. | AVR1:0             |
|           |       | 8   | No Hazard.              | AVR1:0             |
|           | Short | 1-2 | No Hazard.              | AVR1:0             |
|           |       | 2-3 | No Hazard.              | AVR1:0             |
|           |       | 3-4 | Normal operation.       |                    |
|           |       | 5-6 | No Hazard.              | AVR1:0             |
|           |       | 6-7 | No Hazard.              | AVR1:0             |
|           |       | 7-8 | F101 opened, No hazard. | AVR1:0             |
| IC201     | Open  | 1   | No Hazard.              | AVR1:0             |
|           |       | 2   | No Hazard.              | AVR1:0             |
|           |       | 3   | F101 opened, No hazard. | AVR1:0             |
|           |       | 4   | Normal operation.       |                    |
|           |       | 5   | Normal operation.       |                    |
|           |       | 6   | Normal operation.       |                    |
|           |       | 7   | Normal operation.       |                    |
|           |       | 8   | Normal operation.       |                    |

F M E A

| Component | Mode  |       | Comment                             | Output Voltage (V) |
|-----------|-------|-------|-------------------------------------|--------------------|
| IC201     | Open  | 9     | Normal operation.                   |                    |
|           |       | 10    | No Hazard.                          | AVR1:0             |
|           |       | 11    | No Hazard.                          | AVR1:0             |
|           |       | 12    | No Hazard.                          | AVR1:0             |
|           |       | 13    | Output voltage decreased.No hazard. | AVR1:decreased     |
|           |       | 14    | Normal operation.                   |                    |
|           |       | 15    | Normal operation.                   |                    |
|           |       | 16    | Normal operation.                   |                    |
|           |       | 17    | No Hazard.                          | AVR1:0             |
|           |       | 18    | Output voltage decreased.No hazard. | AVR1:decreased     |
|           |       | 19    | Output voltage decreased.No hazard. | AVR1:decreased     |
|           |       | 20    | No Hazard.                          | AVR1:0             |
|           | Short | 1-2   | Normal operation.                   |                    |
|           |       | 2-3   | No Hazard.                          | AVR1:0             |
|           |       | 3-4   | Normal operation.                   |                    |
|           |       | 4-5   | Normal operation.                   |                    |
|           |       | 5-6   | Normal operation.                   |                    |
|           |       | 6-7   | Normal operation.                   |                    |
|           |       | 7-8   | Normal operation.                   |                    |
|           |       | 8-9   | Normal operation.                   |                    |
|           |       | 9-10  | No Hazard.                          | AVR1:0             |
|           |       | 11-12 | No Hazard.                          | AVR1:0             |
|           |       | 12-13 | No Hazard.                          | AVR1:0             |
|           |       | 13-14 | Normal operation.                   |                    |

F M E A

| Component | Mode  |       | Comment                                    | Output Voltage (V) |
|-----------|-------|-------|--|--------------------|
| IC201     | Short | 14-15 | Normal operation.                          |                    |
|           |       | 15-16 | Normal operation.                          |                    |
|           |       | 16-17 | Normal operation.                          |                    |
|           |       | 17-18 | Normal operation.                          |                    |
|           |       | 18-19 | Normal operation.                          |                    |
|           |       | 19-20 | No Hazard.                                 | AVR1:0             |
| IC501     | 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             |
| J201      | Open  |       | Normal operation.                          |                    |
| J501      | Open  |       | Normal operation. EXCEPT-15, -24, -36, -48 |                    |
| J502      | Open  |       | No Hazard. EXCEPT-36, -48                  | AVR1:0             |
| L101      | Open  |       | No Hazard.                                 | AVR1:0             |
|           | Short |       | Normal operation.                          |                    |
| L102      | Open  |       | No Hazard.                                 | AVR1:0             |
|           | Short |       | Normal operation.                          |                    |
| L103      | Open  | 1, 4  | No Hazard.                                 | AVR1:0             |
|           |       | 7, 8  | See 17 Page.                               |                    |
|           |       | 6, 8  | No Hazard.                                 | AVR1:0             |
|           | Short | 1-4   | F101 opened, No hazard.                    | AVR1:0             |
|           |       | 7-8   | F101 opened, No hazard.                    | AVR1:0             |



F M E A

| Component | Mode  |             | Comment                                | Output Voltage (V) |
|-----------|-------|-------------|--|--------------------|
| L103      | Short | 6-8         | F101 opened, No hazard.                | AVR1:0             |
| L104      | Open  |             | No Hazard.                             | AVR1:0             |
|           | Short |             | Normal operation.                      |                    |
| L507      | Open  |             | F101 opened, No hazard.                | AVR1:0             |
|           | Short |             | No Hazard.                             | AVR1:0             |
| LED501    | Open  |             | Normal operation.                      |                    |
|           | Short |             | Normal operation.                      |                    |
| PC201     | Open  | A, K        | No Hazard.                             | AVR1:0             |
|           |       | C, E        | No Hazard.                             | AVR1:0             |
|           | Short | A-K         | No Hazard.                             | AVR1:0             |
|           |       | C-E         | No Hazard.                             | AVR1:0             |
| PC202     | Open  | A, K        | Normal operation.                      |                    |
|           |       | C, E        | Normal operation.                      |                    |
|           | Short | A-K         | Normal operation.                      |                    |
|           |       | C-E         | No Hazard.                             | AVR1:0             |
| SK101     | Open  |             | Normal operation.                      |                    |
|           | Short |             | F101 opened, No hazard.                | AVR1:0             |
| SS101     | Open  |             | No Hazard.                             | AVR1:0             |
|           | Short |             | F101 opened, No hazard.                | AVR1:0             |
| SS501     | Open  | Cathode     | F101 opened, No hazard. EXCEPT-5, -3R3 | AVR1:0             |
|           |       | Alternative | See 17 Page. EXCEPT-3R3, -5            |                    |
|           | Short |             | No Hazard. EXCEPT-3R3, -5              | AVR1:0             |
| SS502     | Open  | Cathode     | F101 opened, No hazard.                | AVR1:0             |
|           |       | Alternative | See 17 Page. EXCEPT-3R3, -5            |                    |

F M E A

| Component | Mode  |            | Comment                   | Output Voltage (V) |
|-----------|-------|------------|---------------------------|--------------------|
| SS502     | Short |            | No Hazard. EXCEPT-3R3, -5 | AVR1:0             |
| T201      | Open  | 10, 12     | No Hazard.                | AVR1:0             |
|           |       | 7, 9       | No Hazard.                | AVR1:0             |
|           |       | 2, 3, 4, 5 | F101 opened, No hazard.   | AVR1:0             |
|           |       | 1, 6       | See 17 Page. ONLY-3R3, -5 |                    |
|           | Short | 10-12      | F101 opened, No hazard.   | AVR1:0             |
|           |       | 7-9        | F101 opened, No hazard.   | AVR1:0             |
|           |       | 2, 3-4, 5  | F101 opened, No hazard.   | AVR1:0             |
|           |       | 1-6        | F101 opened, No hazard.   | AVR1:0             |
| TH101     | Open  |            | No Hazard.                | AVR1:0             |
|           | Short |            | Normal operation.         |                    |
| TR101     | Open  | D          | Normal operation.         |                    |
|           |       | S          | Normal operation.         |                    |
|           |       | G          | Normal operation.         |                    |
|           | Short | D-S        | No Hazard.                | AVR1:0             |
|           |       | S-G        | Normal operation.         |                    |
|           |       | G-D        | No Hazard.                | AVR1:0             |
| TR102     | Open  | D          | See 17 Page.              |                    |
|           |       | S          | See 17 Page.              |                    |
|           |       | G          | See 17 Page.              |                    |
|           | Short | D-S        | See 17 Page.              |                    |
|           |       | S-G        | See 17 Page.              |                    |
|           |       | G-D        | See 17 Page.              |                    |
| TR103     | Open  | C          | Normal operation.         |                    |

F M E A

| Component | Mode  |     | Comment                   | Output Voltage (V) |
|-----------|-------|-----|---------------------------|--------------------|
| TR103     | Open  | E   | Normal operation.         |                    |
|           |       | B   | Normal operation.         |                    |
|           | Short | C-E | Normal operation.         |                    |
|           |       | E-B | Normal operation.         |                    |
|           |       | B-C | Normal operation.         |                    |
| TR105     | Open  | C   | No Hazard.                | AVR1:0             |
|           |       | E   | No Hazard.                | AVR1:0             |
|           |       | B   | No Hazard.                | AVR1:0             |
|           | Short | C-E | Normal operation.         |                    |
|           |       | E-B | Normal operation.         |                    |
|           |       | B-C | Normal operation.         |                    |
| TR201     | Open  | D   | See 18 Page.              |                    |
|           |       | S   | See 18 Page.              |                    |
|           |       | G   | See 18 Page.              |                    |
|           | Short | D-S | See 18 Page.              |                    |
|           |       | S-G | See 18 Page.              |                    |
|           |       | G-D | See 18 Page.              |                    |
| TR501     | Open  | D   | No Hazard. ONLY-3R3, -5   | AVR1:0             |
|           |       | S   | No Hazard. ONLY-3R3, -5   | AVR1:0             |
|           |       | G   | See 18 Page. ONLY-3R3, -5 |                    |
|           | Short | D-S | No Hazard. ONLY-3R3, -5   | AVR1:0             |
|           |       | S-G | See 18 Page. ONLY-3R3, -5 |                    |
|           |       | G-D | See 18 Page. ONLY-3R3, -5 |                    |
| TR502     | Open  | D   | No Hazard. ONLY-3R3, -5   | AVR1:0             |

## F M E A

| Component | Mode  |              | Comment                                  | Output Voltage (V) |
|-----------|-------|--------------|--|--------------------|
| TR502     | Open  | S            | No Hazard. ONLY-3R3, -5                  | AVR1:0             |
|           |       | G            | See 18 Page. ONLY-3R3, -5                |                    |
|           | Short | D-S          | No Hazard. ONLY-3R3, -5                  | AVR1:0             |
|           |       | S-G          | See 18 Page. ONLY-3R3, -5                |                    |
|           |       | G-D          | See 18 Page. ONLY-3R3, -5                |                    |
| VR501     | Open  | brush        | Output voltage decreased.No hazard.      | AVR1:decreased     |
|           |       |              | Output voltage decreased.No hazard.      | AVR1:decreased     |
|           | Short |              | No Hazard.                               | AVR1:0             |
| ZD121     | Open  |              | Normal operation.                        |                    |
|           | Short |              | Normal operation.                        |                    |
| ZD123     | Open  |              | Normal operation.                        |                    |
|           | Short |              | Normal operation.                        |                    |
| ZD501     | Open  |              | Normal operation.                        |                    |
|           | Short |              | No Hazard.                               | AVR1:0             |
| ZD502     | Open  |              | Normal operation. ONLY-15, -24, -36, -48 |                    |
|           | Short |              | No Hazard. ONLY-15, -24, -36, -48        | AVR1:0             |
| ZD503     | Open  | ONLY-36, -48 | No Hazard.                               | AVR1:0             |
|           | Short | ONLY-36, -48 | Normal operation.                        |                    |
| ZD551     | Open  | ONLY-3R3, -5 | See 18 Page.                             |                    |
|           | Short | ONLY-3R3, -5 | See 18 Page.                             |                    |
| R101      | Open  |              | Normal operation.                        |                    |
| R102      | Open  |              | Normal operation.                        |                    |
| R103      | Open  |              | Normal operation.                        |                    |
| R104      | Open  |              | Normal operation.                        |                    |

## F M E A

| Component | Mode | Comment                 | Output Voltage (V) |
|-----------|------|-------------------------|--------------------|
| R105      | Open | Normal operation.       |                    |
| R106      | Open | Normal operation.       |                    |
| R107      | Open | Normal operation.       |                    |
| R108      | Open | Normal operation.       |                    |
| R109      | Open | Normal operation.       |                    |
| R110      | Open | Normal operation.       |                    |
| R111      | Open | Normal operation.       |                    |
| R112      | Open | Normal operation.       |                    |
| R113      | Open | Normal operation.       |                    |
| R114      | Open | Normal operation.       |                    |
| R115      | Open | Normal operation.       |                    |
| R116      | Open | Normal operation.       |                    |
| R117      | Open | See 18 Page.            |                    |
| R119      | Open | F101 opened, No hazard. | AVR1:0             |
| R120      | Open | No Hazard.              | AVR1:0             |
| R121      | Open | Normal operation.       |                    |
| R123      | Open | Normal operation.       |                    |
| R124      | Open | No Hazard.              | AVR1:0             |
| R125      | Open | No Hazard.              | AVR1:0             |
| R126      | Open | No Hazard.              | AVR1:0             |
| R127      | Open | No Hazard.              | AVR1:0             |
| R128      | Open | No Hazard.              | AVR1:0             |
| R129      | Open | No Hazard.              | AVR1:0             |
| R130      | Open | No Hazard.              | AVR1:0             |

F M E A

| Component | Mode | Comment                             | Output Voltage (V) |
|-----------|------|-------------------------------------|--------------------|
| R131      | Open | Normal operation.                   |                    |
| R132      | Open | Normal operation.                   |                    |
| R133      | Open | Normal operation.                   |                    |
| R136      | Open | Normal operation.                   |                    |
| R137      | Open | Normal operation.                   |                    |
| R139      | Open | Normal operation.                   |                    |
| R151      | Open | Normal operation.                   |                    |
| R152      | Open | No Hazard.                          | AVR1:0             |
| R153      | Open | Normal operation.                   |                    |
| R201      | Open | Normal operation.                   |                    |
| R202      | Open | Normal operation.                   |                    |
| R203      | Open | Normal operation.                   |                    |
| R204      | Open | Normal operation.                   |                    |
| R205      | Open | No Hazard.                          | AVR1:0             |
| R206      | Open | Normal operation.                   |                    |
| R207      | Open | No Hazard.                          | AVR1:0             |
| R208      | Open | Output voltage decreased.No hazard. | AVR1:decreased     |
| R209      | Open | No Hazard.                          | AVR1:0             |
| R210      | Open | F101 opened, No hazard.             | AVR1:0             |
| R211      | Open | Normal operation.                   |                    |
| R212      | Open | Normal operation.                   |                    |
| R213      | Open | No Hazard.                          | AVR1:0             |
| R214      | Open | Normal operation.                   |                    |
| R216      | Open | Output voltage decreased.No hazard. | AVR1:decreased     |

## F M E A

| Component | Mode |              | Comment                             | Output Voltage (V) |
|-----------|------|--------------|-------------------------------------|--------------------|
| R218      | Open |              | Normal operation.                   |                    |
| R220      | Open |              | No Hazard.                          | AVR1:0             |
| R221      | Open | ONLY-3R3, -5 | Normal operation.                   |                    |
| R501      | Open |              | Normal operation.                   |                    |
| R502      | Open |              | Normal operation.                   |                    |
| R503      | Open |              | No Hazard.                          | AVR1:0             |
| R504      | Open |              | Normal operation.                   |                    |
| R505      | Open |              | Output voltage decreased.No hazard. | AVR1:decreased     |
| R506      | Open |              | No Hazard.                          | AVR1:0             |
| R507      | Open |              | Output voltage decreased.No hazard. | AVR1:decreased     |
| R508      | Open | ONLY-9, -36  | No Hazard.                          | AVR1:0             |
| R509      | Open |              | No Hazard.                          | AVR1:0             |
| R510      | Open |              | Normal operation.                   |                    |
| R511      | Open |              | Normal operation.                   |                    |
| R512      | Open |              | Normal operation.                   |                    |
| R513      | Open |              | Normal operation.                   |                    |
| R514      | Open | ONLY-24, -48 | Normal operation.                   |                    |
| R515      | Open | ONLY-24, -48 | Normal operation.                   |                    |
| R517      | Open |              | Normal operation.                   |                    |
| R518      | Open | ONLY-36, -48 | Normal operation.                   |                    |
| R521      | Open |              | Normal operation.                   |                    |
| R522      | Open |              | Normal operation.                   |                    |
| R523      | Open |              | Normal operation.                   |                    |
| R524      | Open |              | Normal operation.                   |                    |

F M E A

| Component | Mode |              | Comment                               | Output Voltage (V) |
|-----------|------|--------------|---------------------------------------|--------------------|
| R525      | Open |              | Normal operation.                     |                    |
| R526      | Open | EXCEPT-5     | Normal operation.                     |                    |
| R527      | Open |              | Normal operation. EXCEPT-3R3, -5      |                    |
| R528      | Open |              | Normal operation. EXCEPT-3R3, -5, -15 |                    |
| R529      | Open |              | Normal operation. ONLY-9, -12, -36    |                    |
| R530      | Open | ONLY-12      | Normal operation.                     |                    |
| R531      | Open | ONLY-12      | Normal operation.                     |                    |
| R551      | Open | ONLY-3R3, -5 | See 18 Page.                          |                    |
| R552      | Open | ONLY-3R3, -5 | Normal operation.                     |                    |
| R554      | Open | ONLY-3R3, -5 | Normal operation.                     |                    |
| R555      | Open | ONLY-3R3, -5 | Normal operation.                     |                    |



ABNORMAL TEST RESULT

| Component | Mode  |              | Comment                          | Output Voltage (V) |
|-----------|-------|--------------|----------------------------------|--------------------|
| C109      | Open  |              | Normal operation.                |                    |
|           | Short |              | Normal operation.                |                    |
| C110      | Open  |              | Normal operation.                |                    |
|           | Short |              | Normal operation.                |                    |
| C118      | Open  |              | F101 opened, No hazard.          | AVR1:0             |
| C551      | Open  | ONLY-3R3, -5 | Normal operation.                |                    |
| D103      | Open  |              | Normal operation.                |                    |
|           | Short |              | Normal operation.                |                    |
| D104      | Open  |              | Normal operation.                |                    |
|           | Short |              | Normal operation.                |                    |
| D106      | Open  |              | Normal operation.                |                    |
|           | Short |              | Normal operation.                |                    |
| L103      | Open  | 7, 8         | F101 opened, No hazard.          | AVR1:0             |
| SS501     | Open  | Alternative  | Normal operation. EXCEPT-3R3, -5 |                    |
| SS502     | Open  | Alternative  | Normal operation. EXCEPT-3R3, -5 |                    |
| T201      | Open  | 1, 6         | Normal operation.                |                    |
| TR102     | Open  | D            | No Hazard.                       | AVR1:0             |
|           |       | S            | No Hazard.                       | AVR1:0             |
|           |       | G            | 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             |
| TR201     | Open  | D            | No Hazard.                       | AVR1:0             |
|           |       | S            | No Hazard.                       | AVR1:0             |

ABNORMAL TEST RESULT

| Component | Mode  |              | Comment                        | Output Voltage (V) |
|-----------|-------|--------------|--------------------------------|--------------------|
| TR201     | Open  | G            | 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             |
| TR501     | Open  | G            | Normal operation. ONLY-3R3, -5 |                    |
|           | Short | S-G          | Normal operation. ONLY-3R3, -5 |                    |
|           |       | G-D          | No Hazard. ONLY-3R3, -5        | AVR1:0             |
| TR502     | Open  | G            | Normal operation. ONLY-3R3, -5 |                    |
|           | Short | S-G          | Normal operation. ONLY-3R3, -5 |                    |
|           |       | G-D          | No Hazard. ONLY-3R3, -5        | AVR1:0             |
| ZD551     | Open  | ONLY-3R3, -5 | Normal operation.              |                    |
|           | Short | ONLY-3R3, -5 | Normal operation.              |                    |
| R117      | Open  |              | Normal operation.              |                    |
| R551      | Open  | ONLY-3R3, -5 | Normal operation.              |                    |