



## ABNORMAL TEST RESULT

OF MODEL WBA150B

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 : 2/12 ~ 11/12)

( Abnormal Test Result: 12/12 ~ 12/12)

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.	AVR1:*
	Short	Fuse opened, No hazard.	AVR1:0
C102	Open	Normal operation.	AVR1:*
	Short	Fuse opened, No hazard.	AVR1:0
C104	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C105	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C106	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C109	Open	Normal operation.	AVR1:*
	Short	C110 opened, No hazard.	AVR1:decreased
C110	Open	Normal operation.	AVR1:*
	Short	C109 opened, No hazard.	AVR1:decreased
C111	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C112	Open	Normal operation.	AVR1:*
	Short	Fuse opened, No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	Fuse opened, No hazard.	AVR1:0
C201	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C202	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

## F M E A

Component	Mode	Comment	Output Voltage (V)
C203	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C204	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C205	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C207	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C210	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C501	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C502	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C503	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C504 (Except:-48)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C505	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C506 (Except:-48)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased

## F M E A

Component	Mode	Comment	Output Voltage (V)
C507	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C508 (Except:-48)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C509 (Only -12)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C510 (Only -12)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C511 (Only -12)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C512	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C515	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C601	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C603	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D101	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D201	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:decreased
D202	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased

## F M E A

Component	Mode		Comment	Output Voltage (V)
D203	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D205	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
IC201	Open	1	No hazard.	AVR1:decreased
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:decreased
		7	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:decreased
		2-3	No hazard.	AVR1:decreased
		3-4	No hazard.	AVR1:decreased
		5-6	Fuse opened, No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Short	2-3	No hazard.	AVR1:0
		4-5	No hazard.	AVR1:0
L101	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	Fuse opened, No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
L501	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
LED501	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
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.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No hazard.	AVR1:decreased
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R104	Open	Normal operation.	AVR1:*
R105	Open	Normal operation.	AVR1:*
R110	Open	Normal operation.	AVR1:*
R111	Open	Normal operation.	AVR1:*
R112	Open	Normal operation.	AVR1:*
R113	Open	Normal operation.	AVR1:*
R114	Open	Normal operation.	AVR1:*
R115	Open	Normal operation.	AVR1:*
R116	Open	No hazard.	AVR1:0
R117	Open	No hazard.	AVR1:0
R120	Open	Normal operation.	AVR1:*
R121	Open	Normal operation.	AVR1:*
R122	Open	Normal operation.	AVR1:*
R123	Open	Normal operation.	AVR1:*
R124	Open	Normal operation.	AVR1:*
R125	Open	Normal operation.	AVR1:*
R201	Open	No hazard.	AVR1:decreased
R202	Open	No hazard.	AVR1:decreased
R203	Open	No hazard.	AVR1:0
R205	Open	No hazard.	AVR1:decreased
R208	Open	No hazard.	AVR1:0
R209	Open	No hazard.	AVR1:0
R210	Open	Normal operation.	AVR1:*
R212	Open	No hazard.	AVR1:0

## F M E A

Component	Mode	Comment	Output Voltage (V)
R213	Open	No hazard.	AVR1:decreased
R214	Open	No hazard.	AVR1:decreased
R215	Open	No hazard.	AVR1:decreased
R216	Open	No hazard.	AVR1:decreased
R232	Open	Normal operation.	AVR1:*
R233	Open	Normal operation.	AVR1:*
R234	Open	Normal operation.	AVR1:*
R501	Open	Normal operation.	AVR1:*
R502	Open	Normal operation.	AVR1:*
R503	Open	Normal operation.	AVR1:*
R504	Open	Normal operation.	AVR1:*
R505 (Except:-48)	Open	Normal operation.	AVR1:*
R506 (Except:-48)	Open	Normal operation.	AVR1:*
R507 (Except:-48)	Open	Normal operation.	AVR1:*
R508 (Except:-48)	Open	Normal operation.	AVR1:*
R509	Open	Normal operation.	AVR1:*
R510	Open	Normal operation.	AVR1:*
R511	Open	Normal operation.	AVR1:*
R513	Open	Normal operation.	AVR1:*
R514 (Only -48)	Open	Normal operation.	AVR1:*
R521	Open	Normal operation.	AVR1:*
R522	Open	Normal operation.	AVR1:*
R601	Open	Normal operation.	AVR1:*
R602	Open	Normal operation.	AVR1:*



## F M E A

Component	Mode		Comment	Output Voltage (V)
R603	Open		Normal operation.	AVR1:*
R604	Open		Normal operation.	AVR1:*
R605	Open		No hazard.	AVR1:0
R606	Open		No hazard.	AVR1:0
R607	Open		No hazard.	AVR1:decreased
SS101	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	Fuse opened, No hazard.	AVR1:0
		2-3	Fuse opened, No hazard.	AVR1:0
		3-4	Fuse opened, No hazard.	AVR1:0
SS501	Open		See page 12.	
	Short		No hazard.	AVR1:decreased
SS502 (Except:-48)	Open		See page 12.	
	Short		No hazard.	AVR1:decreased
T201	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		6	No hazard.	AVR1:0
		8	See page 12.	
		9	See page 12.	
		10	See page 12.	
		11	See page 12.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
T201	Short	1-2	No hazard.	AVR1:0
		8-9	Normal operation.	AVR1:*
		9-10	Fuse opened, No hazard.	AVR1:0
		10-11	Normal operation.	AVR1:*
TH101	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TH102	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR201	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	See page 12.	
		S-G	No hazard.	AVR1:0
		G-D	See page 12.	
TR202	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No hazard.	AVR1:0
VR601	Open	brush	No hazard.	AVR1:decreased
			No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
ZD521	Open		Normal operation.	AVR1:*



## F M E A

Component	Mode	Comment	Output Voltage (V)
ZD521	Short	No hazard.	AVR1:0
ZD522 (Only -48)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
ZD601 (Only -48)	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*



## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
SS501	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
SS502	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
T201	Open	8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
TR201	Short	D-S	Fuse opened, No hazard.	AVR1:0
		G-D	Fuse opened, No hazard.	AVR1:0