

## ABNORMAL TEST RESULT

## OF MODEL WMA150H

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 )

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 (Only -12)	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 (Only -12)	Open	Normal operation.	AVR1:*
R506 (Only -12)	Open	Normal operation.	AVR1:*
R507 (Only -12)	Open	Normal operation.	AVR1:*
R508 (Only -12)	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 (Only -12)	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 (Except -12)	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