

MST-0429

MWA power supply module

Test: Load Test

Serial number: 001
Tester: C. Coleman
Date: 15/11/10

Jig details

Detailed wiring diagrams and jig layout can be found in the following document:

- MWA JIG-005 - PSU Switching Jig
- MWA JIG-006 - MWA PSU Loading Jig

Test procedure

Note: conduct at room temperature

1. Turn all DIP switches off (JIG-005).
2. Plug DB25 connector of JIG-005 into J1 of Cosel Unit.
3. Connect +5V/GND to JIG-005.
 Verify all LEDs are off.
4. Plug JIG-006 - MWA PSU Loading Jig into the completed Cosel Unit, use:
 - a. P9 for +5V / +12V
 - b. P15 for +48V
5. Configure the Loading Jig Switches as follows:

Switch Number	+5v / +12v Loading Jig	+48v Loading Jig
SW 1A	ON	ON
SW 1B	ON	ON
SW 1C	OFF	ON
SW 1D	-	ON
SW 2A	ON	ON
SW 2B	ON	OFF
SW 2C	OFF	-

6. Connect 240VAC to Cosel unit.
7. Turn DIP switch #1 ON.
 Verify +5V ±5% across test points (+5V → GND) on Load Jig.
8. Turn DIP switch #1 OFF.

9. Turn DIP switch #2 ON.

☑ *Verify +12V \pm 5% across test points (+12V \rightarrow GND) on Load Jig.*

10. Turn DIP switch #2 OFF.

11. Simultaneously Turn ON DIP switches #3, #4 & #5.

☑ *Verify +48V \pm 5% across test points (+48V \rightarrow GND) on Load Jig.*

12. Turn ON all DIP switches.

☑ *Verify 5V, 12V & 48V lines are within \pm 5% at test points on Load Jig*

13. Turn all DIP switches OFF, and unplug Cosel Unit.

Comments