

## MST-0426

MWA single board computer module

### Test: Temperature run

Serial number:	001
Tester:	IM
Date:	22   12   10

### Test procedure

- ✓ 1. Close up SBC module
- ✓ 2. Place in temperature chamber
- ✗ 3. Connect optical-fibre to communicate with SBC ✓ no cable available
- ✓ 4. Connect 240VAC power and power up
  - ☑ Verify function of SBC
- ✓ 5. Monitor module internal temperature via ATIM temperature monitor and by thermocouple
6. Raise temperature until internal temp reaches 60C, hold for 1 hour — went to 63°C
  - ☑ Verify SBC, IMC, ATIM and temperature monitor boards continue to function
7. Decrease temperature to -10C, hold for 1 hour
  - ☑ Verify SBC, IMC, ATIM and temperature monitor boards continue to function

### Comments

Since IMC is going to be changed this test was accepted without verifying the IMC function

Temp plug verifies ATIM LM77

- ✓ Checked DS1077 with SB0021000R02 - responds 1000 ✓
- ✓ Checked Temp board on J17 - responds OK to S948CR02 & S968CR02

Checked Temp board on J23 - no response at all  
need to check plug - was revised!

Used -10°C Ambient - internals only went to -6°C