

MWA TEST INDEX

The following list defines the testing to be performed on the MWA prototype receiver. Test documents can be found in individual files; the names of the files consist of the MST-xxxx number followed by the “nn. Description” field, eg “MST-0417 01. Initial Photographs.doc”

There are some “one-off” characterisation tests that will not be performed during production runs; these are highlighted in [BLUE](#)

MST-0417 MWA 550_ATIM_I&C PCB

01. Initial Photographs.doc
02. Resistance Check.doc
03. Electrical.doc
04. I2C Verification.doc
05. CPLD.doc

MST-0418 MWA 540_ATIM_Transition PCB

01. Continuity and shorts.doc
02. Photographs.doc

MST-0420 MWA Air Conditioner Control Box

01. Electrical Safety.doc

MST-0421 MWA 100_ASC PCB

01. Initial Photographs.doc
02. Resistance Check.doc
03. Electrical.doc
04. RF Gain and Frequency Response.doc
05. I2C Verification.doc
06. Final Photographs.doc

MST-0422 MWA Analogue Signal Conditioning Module

01. Current Draw.doc
- [02. Temperature Run.doc](#)
03. I2C Test.doc
- [04. Characterisation test](#)

MST-0423 MWA Digital Rack

01. Photographs.doc
02. No Shorts.doc

MST-0424 MWA Air Conditioner Unit

01. Operational Test.doc

MST-0425 MWA Clock Unit

01. Photographs.doc
02. Shorts.doc

MST-0426 MWA Single Board Computer Module

01. Mains Testing.doc
02. Power Test.doc
03. Temperature Run.doc

MST-0429 MWA Power Supply Module

01. Mains Testing.doc
02. Voltage Test 1.doc
03. Load test.doc
04. ADC Load Test.doc
05. Photographs.doc

MST-0431 MWA Dual Octal Temperature Sensor ADC PCB Assembly

01. Initial Photographs.doc
02. Electrical.doc
03. I2C2PC.doc
04. Final Photographs.doc

MST-0432 MWA Receiver Node Enclosure

01. [MWA Air Conditioner Performance.doc](#)
02. [MWA Air Conditioner Performance \(Extended Range #1\).doc](#)
03. [MWA Air Conditioner Performance \(Extended Range #2\).doc](#)

MST-0448 MWA Internal Rack

01. SBC Control Alarms.doc
02. SBC ASC Control.doc
03. SBC Digital Crate Clock.doc
04. SBC Antennae.doc

MST-0419 MWA 820_PwrDis PCB

01. Resistance.doc

MWA JIG INDEX

The following jigs are required to perform the MWA tests. PSI will construct these jigs which will become the property of MWA except for the Megger & Appliance Testers which PSI already; these are included in this list for completeness only.

- MWA JIG-001 - MWA Air Conditioner Control Box.doc
- MWA JIG-002 - MWA PSU.doc
- MWA JIG-003 - Megger Tester.doc
- MWA JIG-004 - I2C to USB Adapter.doc
- MWA JIG-005 - PSU Switching Board.doc
- MWA JIG-006 - MWA PSU Loading Jig.doc
- MWA JIG-007 - MWA Voltage and Current Draw Jig.doc
- MWA JIG-008 - MWA Continuity and Short Test Jig.doc
- MWA JIG-009 - Appliance Tester.doc
- MWA JIG-010 - ASC Control.doc