



PFR-197 Title: PSK Modulator on RF EGSE Rack #1 not working

Assembly : EGSE	SubAssembly : RF Rack #1	
Component :	Units Affected:	Units fixed:
Originator: Ellen Taylor	- - - - -	- - - - -
Organization: Swales/UCB	Date: 6/13/06	
Phone: (510) 643-4054	Email : ertaylor@ssl.berkeley.edu	

Failure Occurred During (Check one ✓)

☐ Functional test ☐ Qualification test ☐ S/C Integration ☐ Launch operations ☒ Other (Flight Assy)

Environment when failure occurred:

✓ Ambient ☐ Vibration ☐ Shock ☐ Acoustic
☐ Thermal ☐ Vacuum ☐ Thermal-Vacuum ☐ EMI/EMC

Problem Description

During final CPTs on the Probes at UCB, the RF Rack on EGSE #1 stopped working. replaced, it did not work at all.

Analyses Performed to Determine Cause

This particular receiver unit had been intermittently working since initial delivery from Swales. (See previous PFRs on the unit). In an attempt to fix the problem, the unit was removed from the rack and disassembled. When

Corrective Action/ Resolution

The unit was removed from the rack again and disassembled. Some connections were cleaned up and it was put back into the rack.

Acceptance:

MAM: Ron Jackson _____; MSE: Ellen Taylor _____

PM: Peter Harvey _____; Cognizant Engineer _____

Date of Closure _____