Test Results Tables

This appendix contains tables and checklists to use during the turn-up and test of a Cisco ONS 15530.

Table B-1 Test Results for the Cisco ONS 15530

Test or Procedure Section	Expected Result (After Power-up)	Notes
"Performing Fiber Plant Characterization" section on page 1-7	Tested fiber meets the specifications listed in that section.	
"DLP-13 Install the Transponder Line Cards" section on page 2-17	All LEDs on the modules are off (default).	
"DLP-34 Verify the Power Up" task on page 2-78	The Status LED is green. The Active LED on the primary processor and the Standby LED on the standby processor are both green. The alarm LEDs are off.	
"NTP-8 Verify Installation of Hardware" procedure on page 2-79	All modules in the chassis are reported in the proper slot by Cisco IOS software. The modules have the correct hardware version and software version.	
"NTP-15 Verify the Interface Status" procedure on page 4-2	Confirm that the interfaces are administratively up.	
"NTP-16 Verify the Optical Patch Configuration" procedure on page 4-19	Confirm that the patch connections are correctly configured.	
"DLP-52 Verify the Power Levels at the DWDM Trunk Interfaces" task on page 4-25	Tx optical power and wavelengths are in line with figures in the power specification tables.	
"DLP-52 Verify the Power Levels at the DWDM Trunk Interfaces" task on page 4-25	Measured power matches the specifications provided.	
"NTP-18 Verify the Transponder Line Card Laser Frequency" procedure on page 4-21	The laser frequency (channel number) is configured to the proper wavelength.	
"NTP-20 Test the Optical Transmission Quality" procedure on page 4-28	The test runs error free for 15 minutes.	

Table B-1 Test Results for the Cisco ONS 15530

Test or Procedure Section	Expected Result (After Power-up)	Notes
"NTP-21 Check the Alarms" procedure on page 4-30	Alarms are generated for the listed fault conditions.	
"NTP-23 Verify the Optical Power Budget Between Nodes" procedure on page 5-2	Expected results (from network design), measured results, and results as seen by Cisco IOS software match.	
"NTP-24 Verify the Connectivity Between OSC Modules" procedure on page 5-3	Active is displayed under the Status field. 2way is displayed under the OSCP St. field.	
"NTP-26 Verify the Power Levels" procedure on page 5-4	Channel count, power, power equalization, and OSNR meet the network design requirements.	
"NTP-27 Test the Optical Transmission Quality" procedure on page 5-5	The test runs error free for 15 minutes.	