



Tellabs 5500HDU DS3 Test Board TB-5500HDUDS3 Practice

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2 APPLICATION

The TAG 5500HDU DS3 Test Board (TB-5500HDUDS3) is utilized by installers and audit (acceptance) personnel. The Test Board has 440A jack access allowing metallic wiring verification and DS3 signal acceptance to the DSX-3/4. The "acceptance" test determines whether or not the card slots are properly connected through the interconnect wiring and able to Transmit and Receive a good DS3 signal.

Note: The TB-5500HDUDS3 Test Board is a temporary test board. Do not leave Test Board unattended while plugged into a Card Slot.

1 GENERAL

This practice describes Telecom Assistance Group's TB-5500HDUDS3 - Tellabs 5500HDU DS3 Test Board. The TB-5500HDUDS3 is used when installing the Tellabs 5500HDU DS3 system.

The TB-5500HDUDS3 is a temporary test card that plugs into the 5500HDU shelf. The Test Board is used to verify wiring and perform DS3 signal acceptance to the DSX-3/4. Acceptance testing determines whether or not the card slots are properly connected through the interconnect wiring and able to Transmit and Receive a good DS3 signal.

3 PROCEDURE

Acceptance Testing requires two (2) people, and 2 DS3 test sets. Tester 1 will be located at the 5500HDU DS3 with the TB-5500HDUDS3, and Tester 2 will be at the DSX-3.

Tester 1 and Tester 2 will alternate between transmitting and receiving DS3 signals to perform acceptance testing.

See Pages 3 & 4 for Step-by-Step Test Procedures.

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4 Physical Description/Wiring

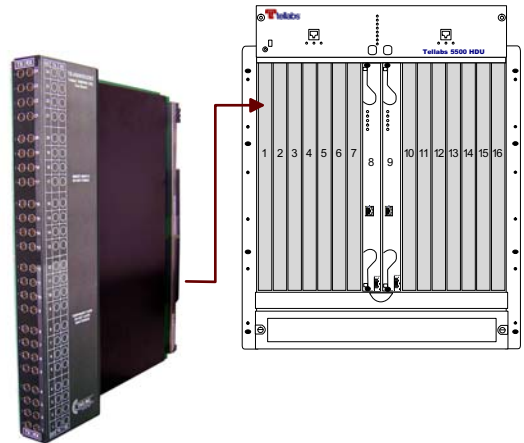
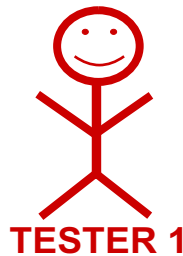


The TB-5500HDUDS3 has 440A jack access allowing metallic wiring verification and DS3 signal acceptance testing to the DSX-3/4. Tester 1 will transmit a DS3 test signal to the DSX-3/4. At the DSX-3/4, Tester 2 will verify "good" DS3 signal being received on DSX-3/4 - CKT 1 OUT jack. Tester 2 will then transmit from DSX-3/4 CKT 1 IN jack to Tester 1 at 5500HDU Slot 1 - RX1. Tester 1 will record that a "Good" DS3 signal has been transmitted and received. The wiring label on TB-5500HDUDS3 indicates the circuit designations for access to the 24 DS3 circuits.

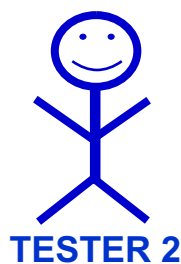
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5 Step by Step Test Procedure

When plugging the test board into the 5500HDU DS3 shelf use normal static procedures.

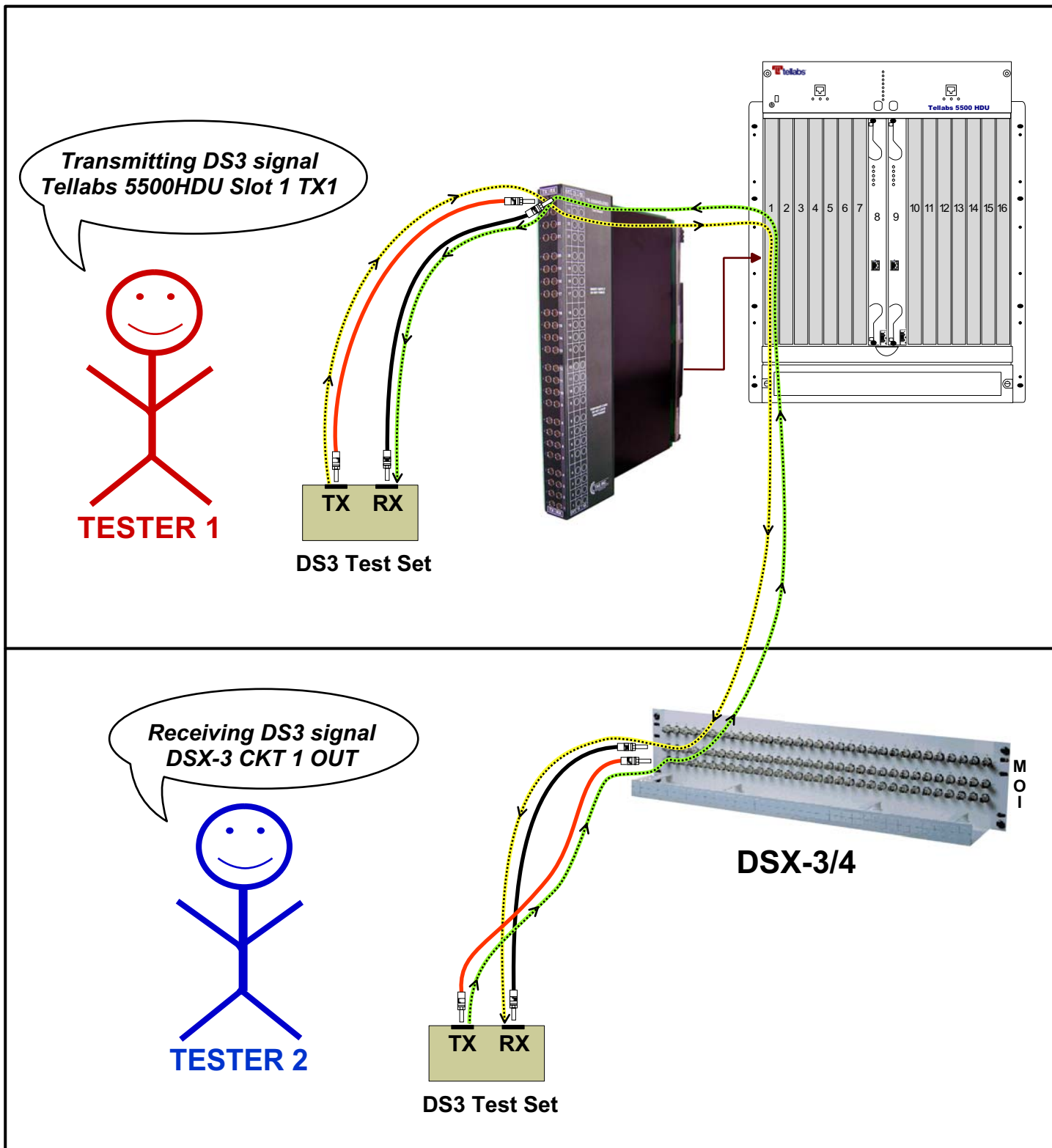


Step	Procedure
1.	Visually check connector on Streaker Card and backplane of 5500 HDU card slot for connector wear or pin obstruction.
2.	Verify proper alignment and insert TB-5500HDUDS3 into card slot .
3.	Establish communication with Tester 2 at the DSX-3/4.
4.	Tester 1 will transmit a DS3 test signal from 5500 HDU Slot 1 TX1.
5.	Tester 2 will record that a "Good" DS3 signal has been received at DSX-3/4 CKT 1 OUT.
6.	Tester 2 will transmit a DS3 test signal from DSX-3/4 IN.
7.	Tester 1 will record that a "Good" DS3 signal has been received at 5500 HDU Slot 1 RX1.
8.	The Testers will move to the next circuit and perform the same test until all the circuits have been tested and approved.
9.	Record data in Test Acceptance Data Sheet - See Pages 5-6.



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5 Step by Step Procedure Continued





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Tested by : _____ Shelf # : _____
 Rack # : _____

6 Test Acceptance Data Sheet

(P) Pass (F) Fail

Tellabs 5500HDU DS3			
Slot __ - 5500HDU	Tellabs 5500HDU	DSX-3/4	DS3 Test Result
Circuit 1	TX 1	OUT	
	RX 1	IN	
Circuit 2	TX 2	OUT	
	RX 2	IN	
Circuit 3	TX 3	OUT	
	RX 3	IN	
Circuit 4	TX 4	OUT	
	RX 4	IN	
Circuit 5	TX 5	OUT	
	RX 5	IN	
Circuit 6	TX 6	OUT	
	RX 6	IN	
Circuit 7	TX 7	OUT	
	RX 7	IN	
Circuit 8	TX 8	OUT	
	RX 8	IN	
Circuit 9	TX 9	OUT	
	RX 9	IN	
Circuit 10	TX 10	OUT	
	RX 10	IN	
Circuit 11	TX 11	OUT	
	RX 11	IN	
Circuit 12	TX 12	OUT	
	RX 12	IN	
			Pass (P) Fail (F)



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Tested by : _____ Shelf # : _____
 Rack # : _____

6 Test Acceptance Data Sheet

(P) Pass (F) Fail

Tellabs 5500HDU DS3			
Slot __ - 5500HDU	Tellabs 5500HDU	DSX-3/4	DS3 Test Result
Circuit 13	TX 13	OUT	
	RX 13	IN	
Circuit 14	TX 14	OUT	
	RX 14	IN	
Circuit 15	TX 15	OUT	
	RX 15	IN	
Circuit 16	TX 16	OUT	
	RX 16	IN	
Circuit 17	TX 17	OUT	
	RX 17	IN	
Circuit 18	TX 18	OUT	
	RX 18	IN	
Circuit 19	TX 19	OUT	
	RX 19	IN	
Circuit 20	TX 20	OUT	
	RX 20	IN	
Circuit 21	TX 21	OUT	
	RX 21	IN	
Circuit 22	TX 22	OUT	
	RX 22	IN	
Circuit 23	TX 23	OUT	
	RX 23	IN	
Circuit 24	TX 24	OUT	
	RX 24	IN	
			Pass (P) Fail (F)