

T-BERT 2003

Test Your Data Performance from Voiceband to Broadband
Fully Automated, V.34/V.90/ISDN Dial-Up, RAS, xDSL, Cable, Broadband BER Tester

Talon Test Systems T-BERT 2003 is completely automated, client/server test software, designed in Windows®, to test data integrity through various network topologies. POTS lines, ISDN lines, Remote Access Servers, xDSL systems, Cable Modem systems, Broadband Terminal Adapters (BIT), Ethernet to Ethernet and Wireless Networks can be tested for high speed asynchronous, uplink and down link data bandwidth, retransmissions, lost packets and more. The T-BERT Data Analysis system allows comprehensive investigation of T-BERT 2003 test data for system installation, qualification and continuity testing. Short-term or long-term network monitoring helps find those intermittent problems.

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Comprehensive Dial-up and Network BERT Screens.

The screenshots show the 'TEST IN PROGRESS' window with various status indicators and data. The 'BER Status' section displays metrics such as Bits Transmitted (71,2000), Characters Transmitted (89,000), and Error Free Seconds (29.95). The 'Test Pattern: ITU 1024K' window shows options for ITU Standard 511 bit pseudo random, ITU Standard 2047 bit pseudo random, and ITU Standard 1024K bit pseudo random. The 'Summary Report' window provides a detailed overview of test parameters and results.

Several Test Patterns to choose, including IT Standard patterns.

The screenshots show the 'Data Analysis' window with a 'Call Record' tab. The 'Call Record' window displays a table of call data with columns for Call Number, Test Type, Test Home, Call Start Date, Call Duration, Call Rate, Bandwidth, Configuration File, Pattern, Block Size, Test Length, Connect Message, Call Setup Time, Line Under Test, User ID, Port Blocks Rx, Port Blocks Tx, Line Rx Tx, and Total Blocks Tx. The 'Call Record' window also includes a 'Call Record' graph showing call activity over time.

View call data in graphic and in table form.

T-BERT Data Analysis provides comprehensive call reports.

T-BERT Summary Report		Originate	Terminate
LINE UNDER TEST *	5286169	5587777	
Dialed Number *	5248943	NA	NA
Connect Speed (BPS) *	45333/90/NONE	45333/90/NONE	45333/90/NONE
Call ID	SSNNGreg010	SSNNNew010	SSNNNew010
Called ID	SSNNNew010	SSNNGreg010	SSNNGreg010
Test Type	Test Home	Test Home	Test Home
First Call Time/Date	15:47:55 - 11/02/00	15:52:58 - 11/02/00	15:52:58 - 11/02/00
Last Call Time/Date	16:13:08 - 11/02/00	16:13:08 - 11/02/00	16:13:08 - 11/02/00
Results File	Skrm1102.abc	NA	NA
Notes:			
*If Enabled in Summary Criteria, this data was used to filter out calls that didn't match "last call date" average.			
Call Progress Measurements			
Call Attempts	6	NA	NA
Call Setup Time	21.5	15.7	15.7
Call Duration	00:01:02	00:01:32	00:01:32
TX Data Signal Level (dBm)	-13.0	0.0	0.0
Rx Data Signal Level (dBm)	-20.5	NA	NA
Data Signal Loss (dBm)	NA	NA	NA
Round Trip Delay (ms)	5.0	0.0	0.0
Signal to Noise Ratio (dB)	45.7	0.0	0.0
Near Echo Loss (dB)	10.0	0.0	0.0
Far Echo Loss (dB)	0.0	0.0	0.0
First Bits Rx	176988	94952	94952
First Bits Tx Errored	8	0	0
First Blocks Rx	176	92	92
First Blocks Tx Errored	1	0	0
Call Performance Measurements			
Total Bits Tx	6892872	13165960	13165960
Total Bits Rx	13220768	6877056	6877056
Total Blocks Tx	6891	13163	13163
Total Blocks Rx	13211	6875	6875
Total Seconds Tx	360	350	350
Total Seconds Rx	365	365	365
Total Bit Errors	11544	12451	12451
Percent Total Bit Errors	0.087317	0.180788	0.180788
Total Block Errors	84	61	61
Percent Total Block Errors	0.635834	0.887273	0.887273
Total Errored Seconds	41	34	34
Percent Total Errored Seconds	12.876712	9.315068	9.315068
Total Error Free Seconds	318	318	318
Percent Total Error Free Seconds	87.123288	90.684932	90.684932
Total Seconds Available	259	279	279
Total Seconds Unavailable	0	0	0
Severely Errored Seconds	20	33	33
Percent Severely Errored Seconds	5.479452	9.041096	9.041096
Total Sync Lost Seconds	9	19	19
Total Sync Lost Occurrences	0	0	0
Total Over Run Errors	0	0	0
Transport Throughput (BPS) *	36221	18869	18869
Effective Throughput (BPS) *	35319	17903	17903

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