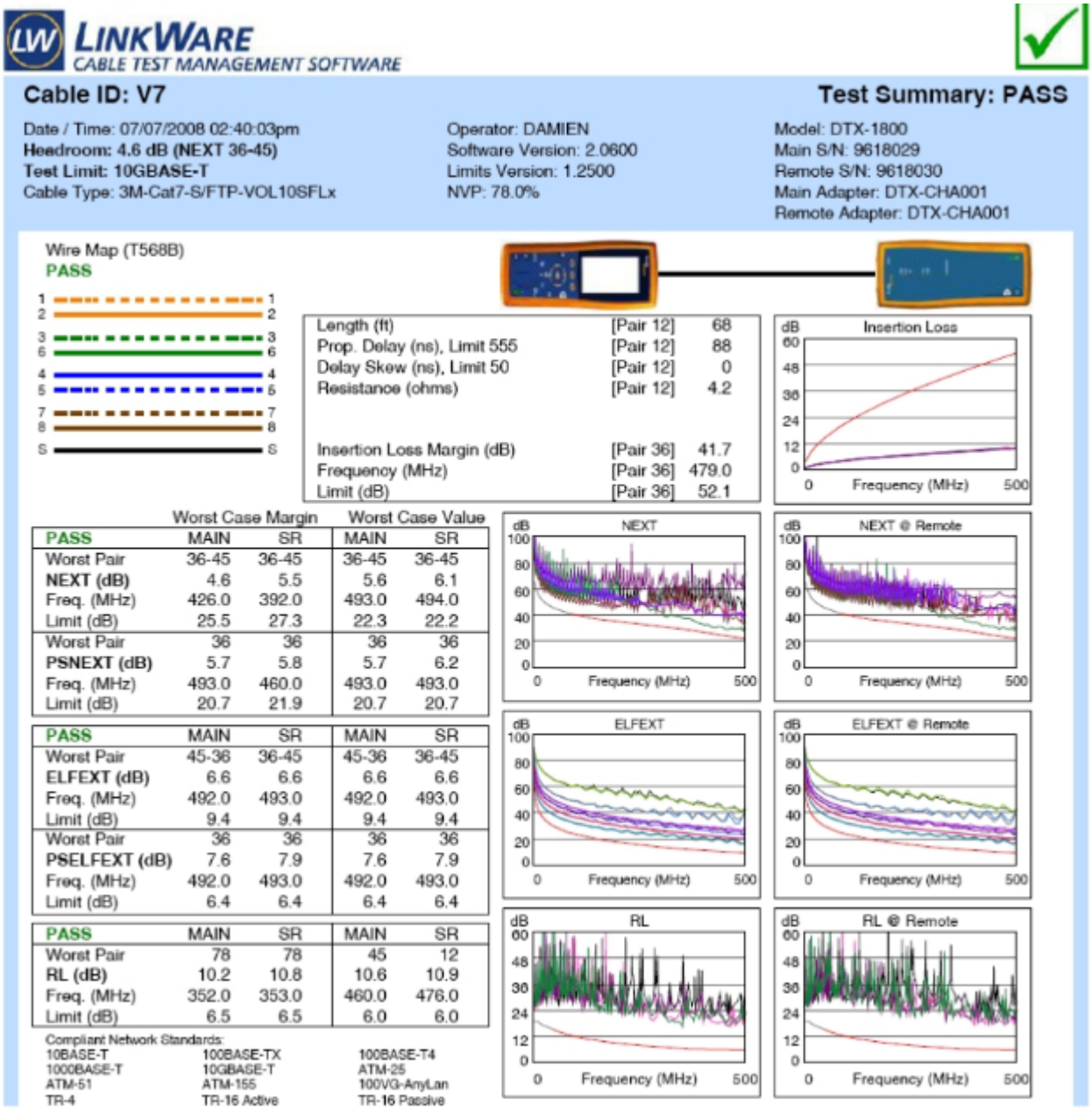
# 1. EXEMPLES DE RAPPORTS DE TESTS

## 1.1. Test câble CAT 7



LINKWARE
CABLE TEST MANAGEMENT SOFTWARE

**Cable ID: V7** — **Test Summary: PASS**

Date / Time: 07/07/2008 02:40:03pm
**Headroom: 4.6 dB (NEXT 36-45)**
**Test Limit: 10GBASE-T**
Cable Type: 3M-Cat7-S/FTP-VOL10SFLx

Operator: DAMIEN
Software Version: 2.0600
Limits Version: 1.2500
NVP: 78.0%

Model: DTX-1800
Main S/N: 9618029
Remote S/N: 9618030
Main Adapter: DTX-CHA001
Remote Adapter: DTX-CHA001

Wire Map (T568B)
PASS

| | | |
|---|---|---|
| Length (ft) | [Pair 12] | 68 |
| Prop. Delay (ns), Limit 555 | [Pair 12] | 88 |
| Delay Skew (ns), Limit 50 | [Pair 12] | 0 |
| Resistance (ohms) | [Pair 12] | 4.2 |
| Insertion Loss Margin (dB) | [Pair 36] | 41.7 |
| Frequency (MHz) | [Pair 36] | 479.0 |
| Limit (dB) | [Pair 36] | 52.1 |

| | Worst Case Margin | | Worst Case Value | |
|---|---|---|---|---|
| **PASS** | MAIN | SR | MAIN | SR |
| Worst Pair | 36-45 | 36-45 | 36-45 | 36-45 |
| **NEXT (dB)** | 4.6 | 5.5 | 5.6 | 6.1 |
| Freq. (MHz) | 426.0 | 392.0 | 493.0 | 494.0 |
| Limit (dB) | 25.5 | 27.3 | 22.3 | 22.2 |
| Worst Pair | 36 | 36 | 36 | 36 |
| **PSNEXT (dB)** | 5.7 | 5.8 | 5.7 | 6.2 |
| Freq. (MHz) | 493.0 | 460.0 | 493.0 | 493.0 |
| Limit (dB) | 20.7 | 21.9 | 20.7 | 20.7 |

| **PASS** | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Worst Pair | 45-36 | 36-45 | 45-36 | 36-45 |
| **ELFEXT (dB)** | 6.6 | 6.6 | 6.6 | 6.6 |
| Freq. (MHz) | 492.0 | 493.0 | 492.0 | 493.0 |
| Limit (dB) | 9.4 | 9.4 | 9.4 | 9.4 |
| Worst Pair | 36 | 36 | 36 | 36 |
| **PSELFEXT (dB)** | 7.6 | 7.9 | 7.6 | 7.9 |
| Freq. (MHz) | 492.0 | 493.0 | 492.0 | 493.0 |
| Limit (dB) | 6.4 | 6.4 | 6.4 | 6.4 |

| **PASS** | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Worst Pair | 78 | 78 | 45 | 12 |
| **RL (dB)** | 10.2 | 10.8 | 10.6 | 10.9 |
| Freq. (MHz) | 352.0 | 353.0 | 460.0 | 476.0 |
| Limit (dB) | 6.5 | 6.5 | 6.0 | 6.0 |

Compliant Network Standards:
10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T, ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive



## 1.2. Tests effectués en Juillet 2008 à UER de Lettres et Sciences Humaines de l'Université de Limoges

*Alain Lemasson*

Opérateur: SEB
Version des normes: 5.17 Version du logiciel: 3.925
NVP: 74.0% Seuil de détection d'erreur: 15%
Test de blindage/écran: Activer

**Résumé de test: CORRECT**
**ID Câble: ROCADE 1 BC0-BC3**
Marge de Sécurité: 6.5 dB (NEXT Distant 12-36)
Site: FAC LETTRES VANTEAUX
Date / Heure: 17/07/2008 14:50:46
Norme de test: ISO11801 Channel Class E
Type de Câble: ScTP 100 Ohm Cat 6
FLUKE DSP-4000 Num. Sér.: 7660016 LIA013
FLUKE DSP-4000SR Num. Sér.: 7660016 LIA012

| Schéma de câblage | 1 2 3 4 5 6 7 8 B |
|---|---|
| CORRECT | \| \| \| \| \| \| \| \| \| |
| | 1 2 3 4 5 6 7 8 B |

| | |
|---|---|
| Longueur (m), Lim. 100.0 [Paire 36] | 52.4 |
| Délai de prop. (ns), Lim. 555 [Paire 12] | 245 |
| Ecart entre paires (ns), Lim. 50 [Paire 12] | 9 |
| Résistance (ohms), Lim. 25.0 [Paire 78] | 9.7 |
| Impédance (ohms) | |
| Anomalie (m) | |
| Atténuation (dB) [Paire 12] | 17.4 |
| Fréquence (MHz) | 250.0 |
| Limite (dB) | 36.0 |

| | Pire marge | | Pire valeur | |
|---|---|---|---|---|
| CORRECT | MAIN | SR | MAIN | SR |
| Pire paire | 36-78 | 12-36 | 36-78 | 12-36 |
| **NEXT (dB)** | 47.7 | 46.1 | 43.0 | 40.3 |
| Fréq. (MHz) | 116.0 | 104.5 | 227.5 | 242.5 |
| Limite (dB) | 38.9 | 39.6 | 33.9 | 33.4 |
| Pire paire | 78 | 12 | 78 | 36 |
| **PSNEXT (dB)** | 46.2 | 45.2 | 41.9 | 39.0 |
| Fréq. (MHz) | 116.0 | 104.5 | 227.5 | 241.5 |
| Limite (dB) | 36.0 | 36.8 | 30.9 | 30.4 |

| CORRECT | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Pire paire | 78-36 | 78-36 | 78-36 | 78-36 |
| **ELFEXT (dB)** | 26.9 | 27.1 | 26.9 | 27.1 |
| Fréq. (MHz) | 234.5 | 234.5 | 234.5 | 234.5 |
| Limite (dB) | 15.9 | 15.9 | 15.9 | 15.9 |
| Pire paire | 36 | 36 | 36 | 36 |
| **PSELFEXT (dB)** | 71.7 | 71.7 | 25.7 | 25.5 |
| Fréq. (MHz) | 1.0 | 1.0 | 245.5 | 244.5 |
| Limite (dB) | 60.3 | 60.3 | 12.5 | 12.5 |

| CORRECT | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Pire paire | 45-78 | 45-78 | 36-78 | 12-36 |
| **ACR (dB)** | 74.2 | 62.3 | 28.4 | 25.1 |
| Fréq. (MHz) | 3.1 | 9.7 | 227.5 | 242.5 |
| Limite (dB) | 60.8 | 50.3 | -0.3 | -2.1 |
| Pire paire | 45 | 45 | 12 | 12 |
| **PSACR (dB)** | 71.8 | 61.6 | 26.9 | 22.1 |
| Fréq. (MHz) | 3.4 | 9.8 | 238.0 | 249.0 |
| Limite (dB) | 57.7 | 47.6 | -4.4 | -5.6 |

| CORRECT | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Pire paire | 36 | 36 | 45 | 12 |
| **RL (dB)** | 21.7 | 22.9 | 15.1 | 15.8 |
| Fréq. (MHz) | 13.4 | 17.2 | 126.5 | 220.5 |
| Limite (dB) | 18.4 | 17.8 | 11.0 | 8.6 |

Conforme aux normes de réseaux:

| | | |
|---|---|---|
| 10BASE-T | 100BASE-TX | 100BASE-T4 |
| 1000BASE-T | ATM-25 | ATM-51 |
| ATM-155 | 100VG-AnyLan | TR-4 |
| TR-16 Active | TR-16 Passive | |

FLUKE networks

*Alain Lemasson*

**Résumé de test: CORRECT**
**ID Câble: BC3-28**
Marge de Sécurité: 9.1 dB (NEXT Distant 12-36)
Site: FAC LETTRES VANTEAUX
Date / Heure: 10/07/2008 09:09:54
Norme de test: ISO11801 Ch Class D-2002
Type de Câble: ScTP 100 Ohm Cat 5
FLUKE DSP-4000 Num. Sér.: 7660016 LIA013
FLUKE DSP-4000SR Num. Sér.: 7660016 LIA012

Opérateur: SEB
Version des normes: 5.17 Version du logiciel: 3.925
NVP: 69.0% Seuil de détection d'erreur: 15%
Test de blindage/écran: Activer

| Schéma de câblage | 1 2 3 4 5 6 7 8 B |
|---|---|
| CORRECT | \| \| \| \| \| \| \| \| \| |
| | 1 2 3 4 5 6 7 8 B |

| | |
|---|---|
| Longueur (m), Lim. 100.0 [Paire 36] | 23.6 |
| Délai de prop. (ns), Lim. 555 [Paire 12] | 118 |
| Ecart entre paires (ns), Lim. 50 [Paire 12] | 4 |
| Résistance (ohms), Lim. 25.0 [Paire 78] | 5.6 |
| Impédance (ohms) | |
| Anomalie (m) | |
| Atténuation (dB) [Paire 45] | 6.0 |
| Fréquence (MHz) | 100.0 |
| Limite (dB) | 24.0 |

| | Pire marge | | Pire valeur | |
|---|---|---|---|---|
| CORRECT | MAIN | SR | MAIN | SR |
| Pire paire | 36-45 | 12-36 | 36-78 | 12-36 |
| **NEXT (dB)** | 44.1 | 40.2 | 43.3 | 40.0 |
| Fréq. (MHz) | 83.4 | 87.8 | 95.6 | 99.2 |
| Limite (dB) | 31.5 | 31.1 | 30.4 | 30.1 |
| Pire paire | 36 | 12 | 36 | 12 |
| **PSNEXT (dB)** | 45.4 | 39.1 | 41.6 | 39.1 |
| Fréq. (MHz) | 51.2 | 88.6 | 95.6 | 88.6 |
| Limite (dB) | 32.1 | 28.0 | 27.4 | 28.0 |

| CORRECT | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Pire paire | 12-45 | 45-12 | 12-45 | 45-12 |
| **ELFEXT (dB)** | 64.2 | 57.3 | 36.1 | 36.1 |
| Fréq. (MHz) | 2.7 | 6.0 | 99.2 | 98.4 |
| Limite (dB) | 48.8 | 41.9 | 17.5 | 17.5 |
| Pire paire | 45 | 45 | 45 | 45 |
| **PSELFEXT (dB)** | 70.0 | 69.2 | 34.0 | 33.9 |
| Fréq. (MHz) | 1.0 | 1.1 | 98.6 | 98.4 |
| Limite (dB) | 54.4 | 53.6 | 14.5 | 14.5 |

| CORRECT | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Pire paire | 36-78 | 36-78 | 36-78 | 12-36 |
| **ACR (dB)** | 68.8 | 69.2 | 37.4 | 34.4 |
| Fréq. (MHz) | 3.1 | 3.2 | 95.6 | 99.2 |
| Limite (dB) | 51.2 | 50.9 | 6.9 | 6.2 |
| Pire paire | 36 | 36 | 36 | 12 |
| **PSACR (dB)** | 65.3 | 67.3 | 36.0 | 33.5 |
| Fréq. (MHz) | 3.7 | 3.3 | 95.6 | 99.8 |
| Limite (dB) | 46.7 | 47.7 | 3.9 | 3.1 |

| CORRECT | MAIN | SR | MAIN | SR |
|---|---|---|---|---|
| Pire paire | 12 | 45 | 36 | 78 |
| **RL (dB)** | 22.4 | 21.8 | 21.7 | 19.1 |
| Fréq. (MHz) | 46.0 | 46.4 | 86.2 | 100.0 |
| Limite (dB) | 13.4 | 13.4 | 10.7 | 10.0 |

Conforme aux normes de réseaux:

| | | |
|---|---|---|
| 10BASE-T | 100BASE-TX | 100BASE-T4 |
| 1000BASE-T | ATM-25 | ATM-51 |
| ATM-155 | 100VG-AnyLan | TR-4 |
| TR-16 Active | TR-16 Passive | |

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