

Report

Measurement of return loss and NEXT for 15 patch cord samples

Performed for RUSCOM HOLDINGS LTD.

Project no.: K311426

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2001-12-13

DELTA

*Danish Electronics,
Light & Acoustics*

*Venlighedsvej 4
DK-2970 Hørsholm
Denmark*

Tel. (+45) 72 19 40 00

Fax (+45) 72 19 40 01

www.delta.dk

Title Measurement of return loss and NEXT for 15 patch cord samples.

Test object Five types of three different lengths of UTP patch cords

Project no. K311426

Test period 23-30 November 2001

Client RUSCOM HOLDING LTD.
Bågskyttegatan 3D
SE-431 43 Mölndal
Sweden

Contact person Per Strandqvist
Leif Nyström

Date 2001-12-13

Project manager

Erik Bech, Test Manager
DELTA

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1. **Procedure**

The return loss and NEXT of the patch cord samples are measured according to ANSI/TIA/EIA-568-B.2, Annex F.

During the tests, the cords are terminated with test heads “PATCH CORD TEST ADAPTER, SMP 101884 rev A”.

The near end test head is connected to the network analyzer via test baluns, while the far end test head is terminated with 100 Ω resistors for each pair.

Test instrumentation:

Network analyzer, HP 8753E

Instrument no.: 31109

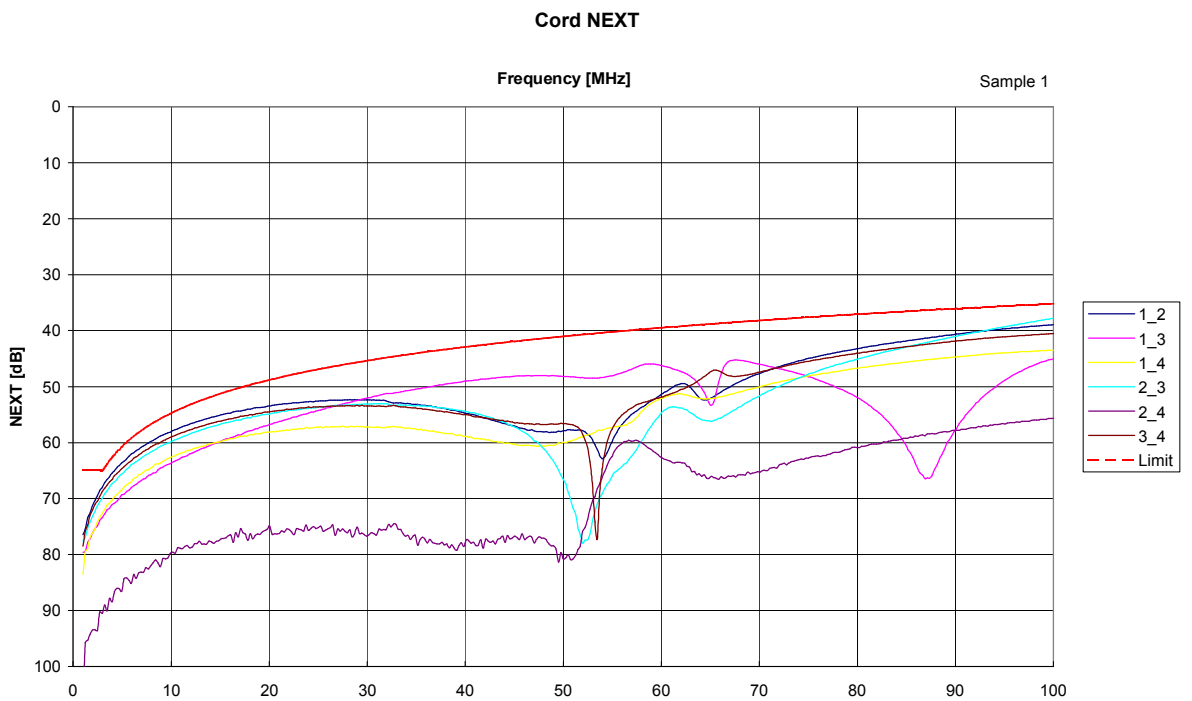
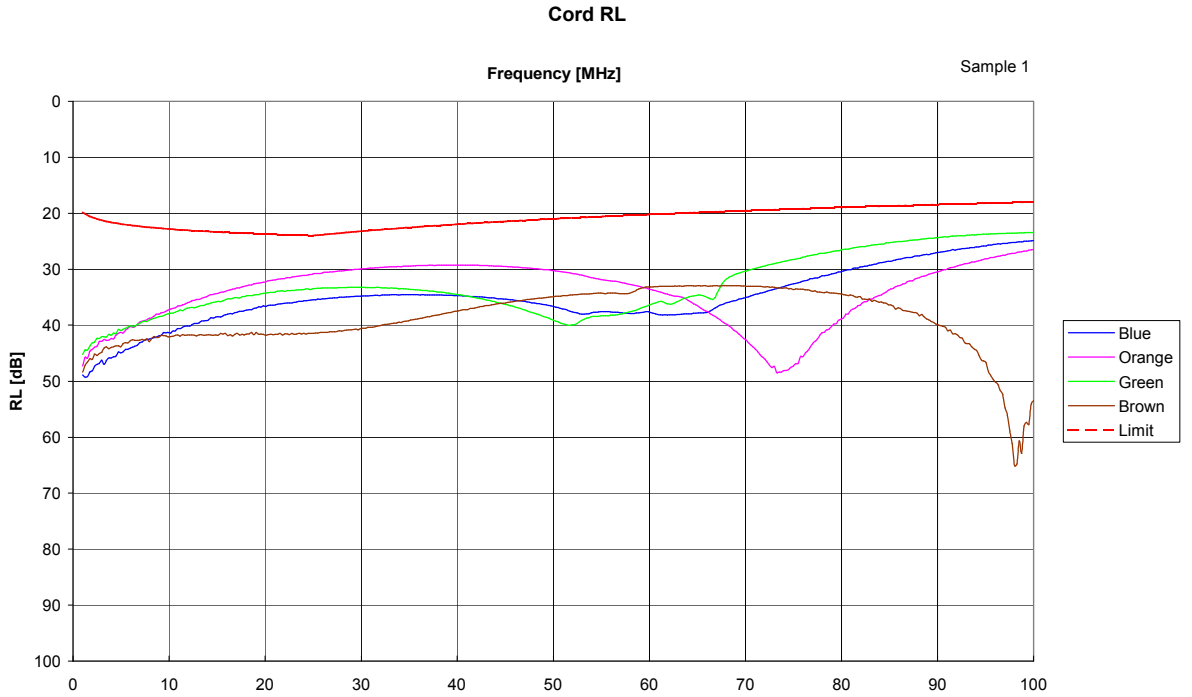
Measurement balun system, DELTA

Instrument no.: 31099

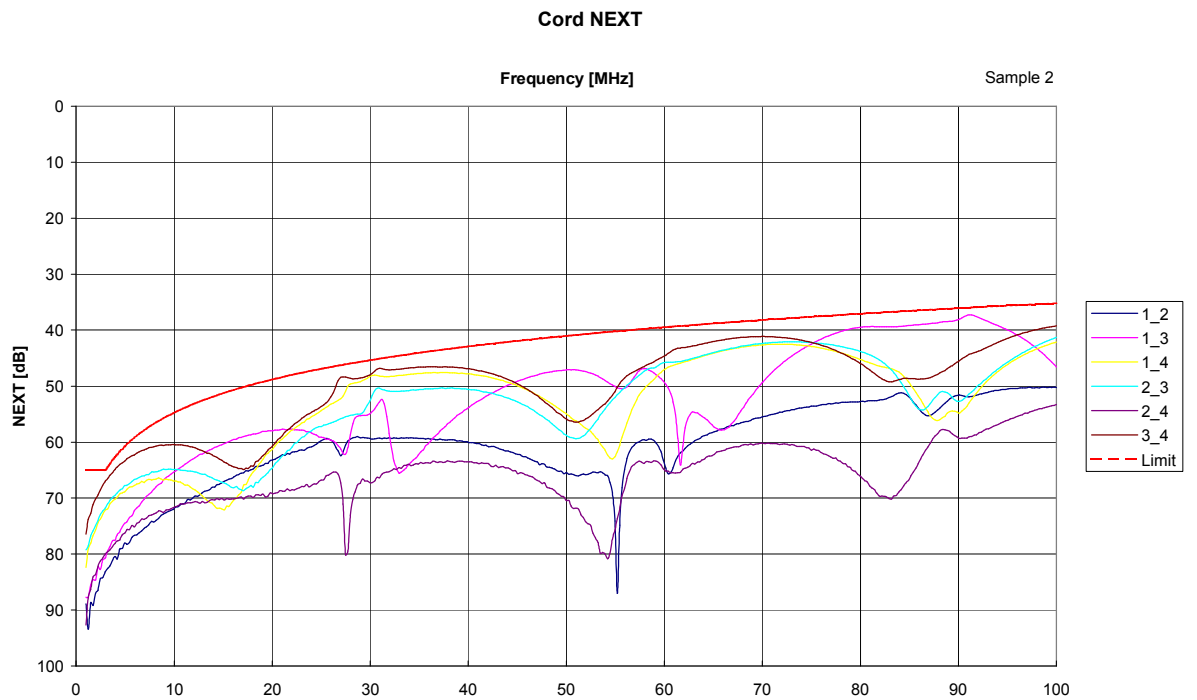
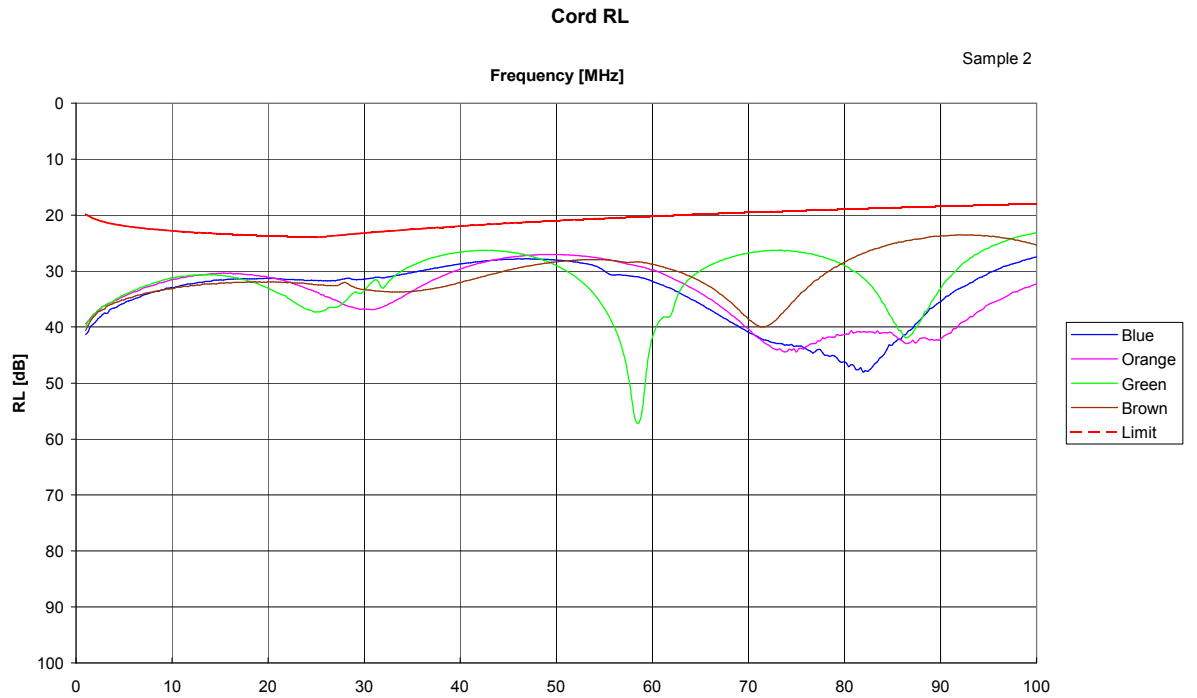
Test software:

Program, Cablingtotal version 3.84 dated 2001-11-12.

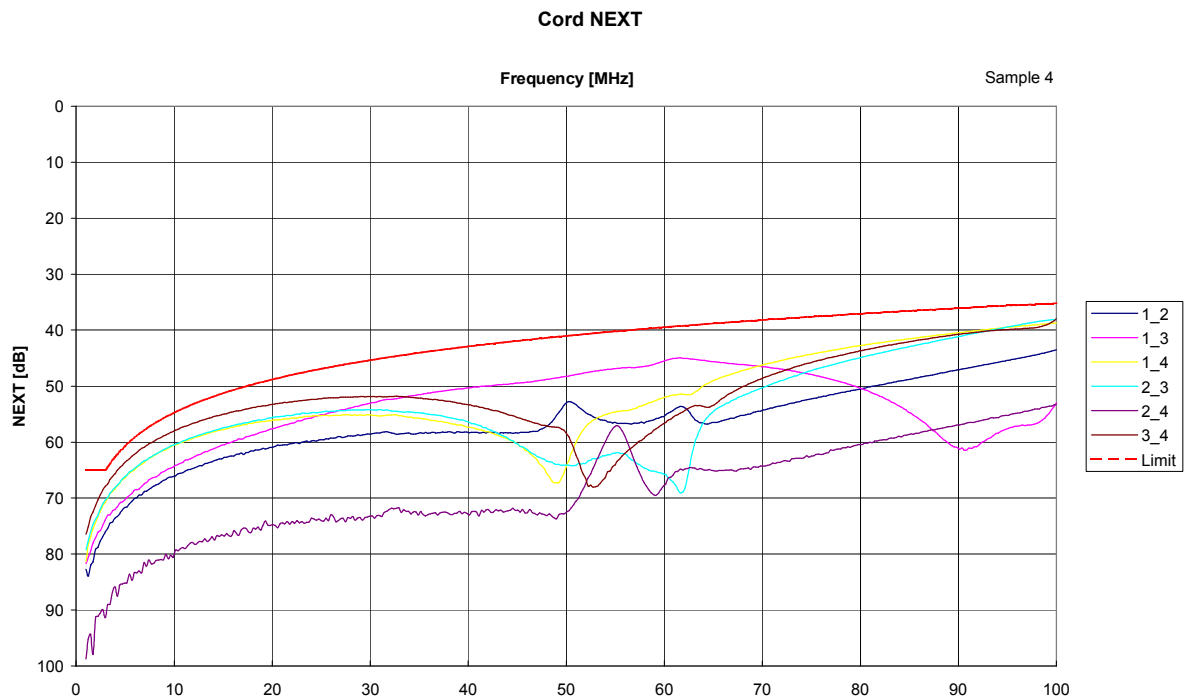
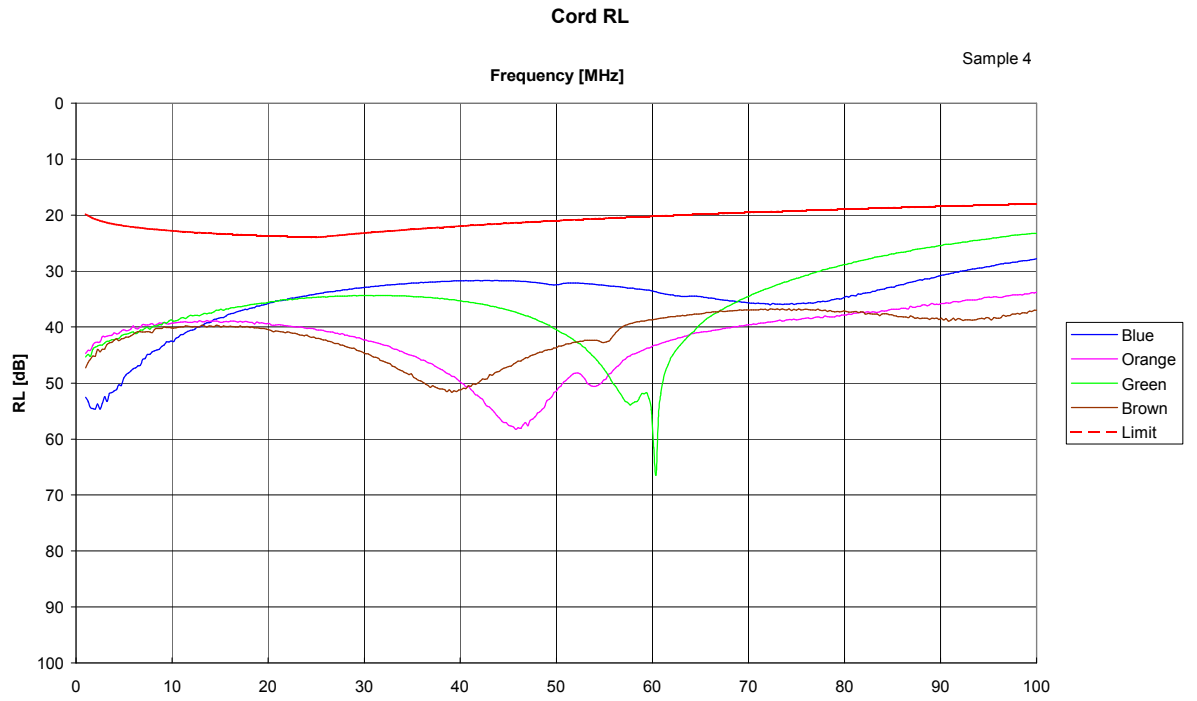
2. Test results



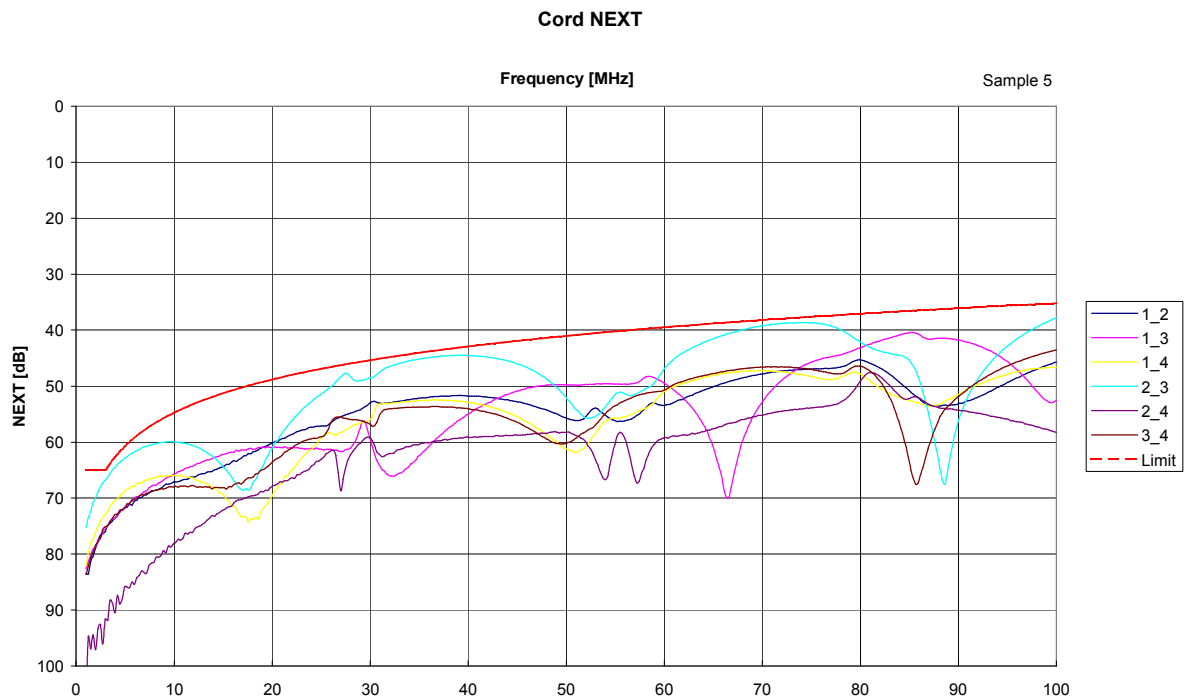
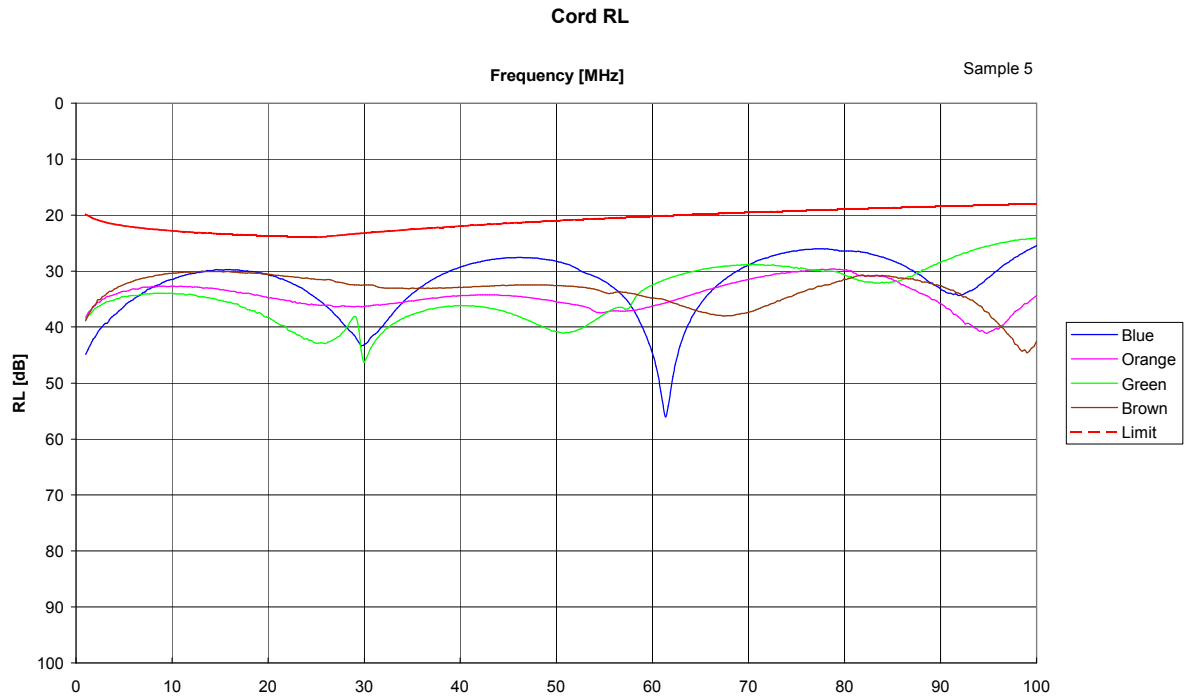
PCnet cable, SUN plug, length 1 m.



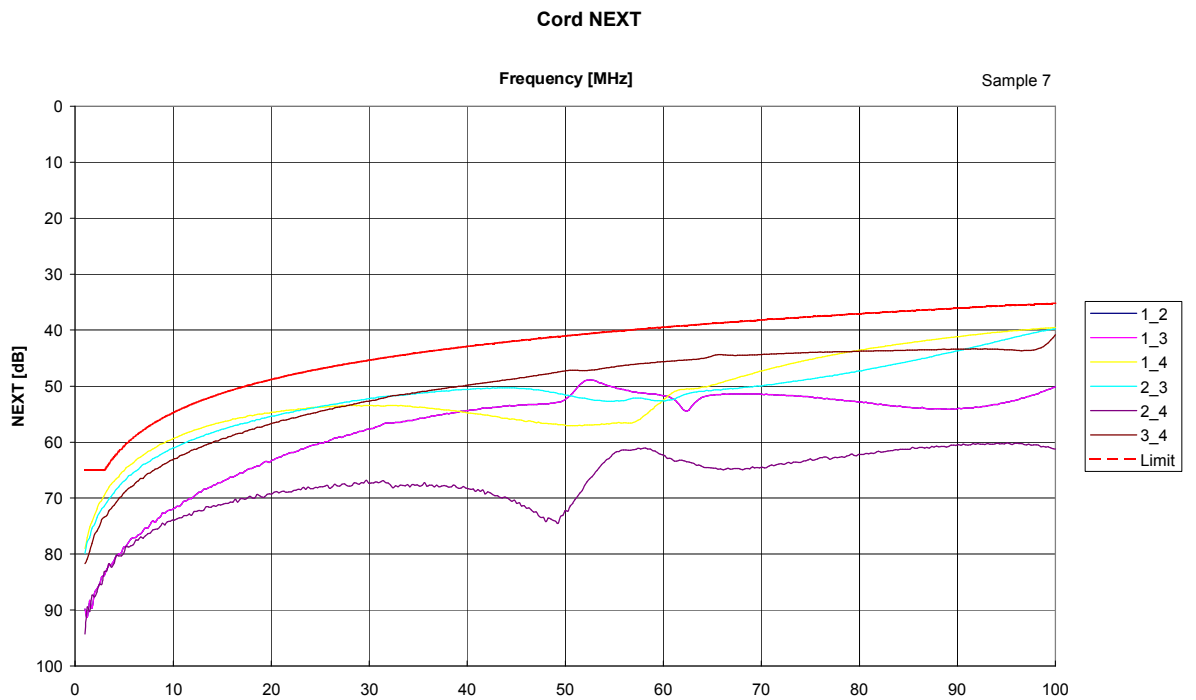
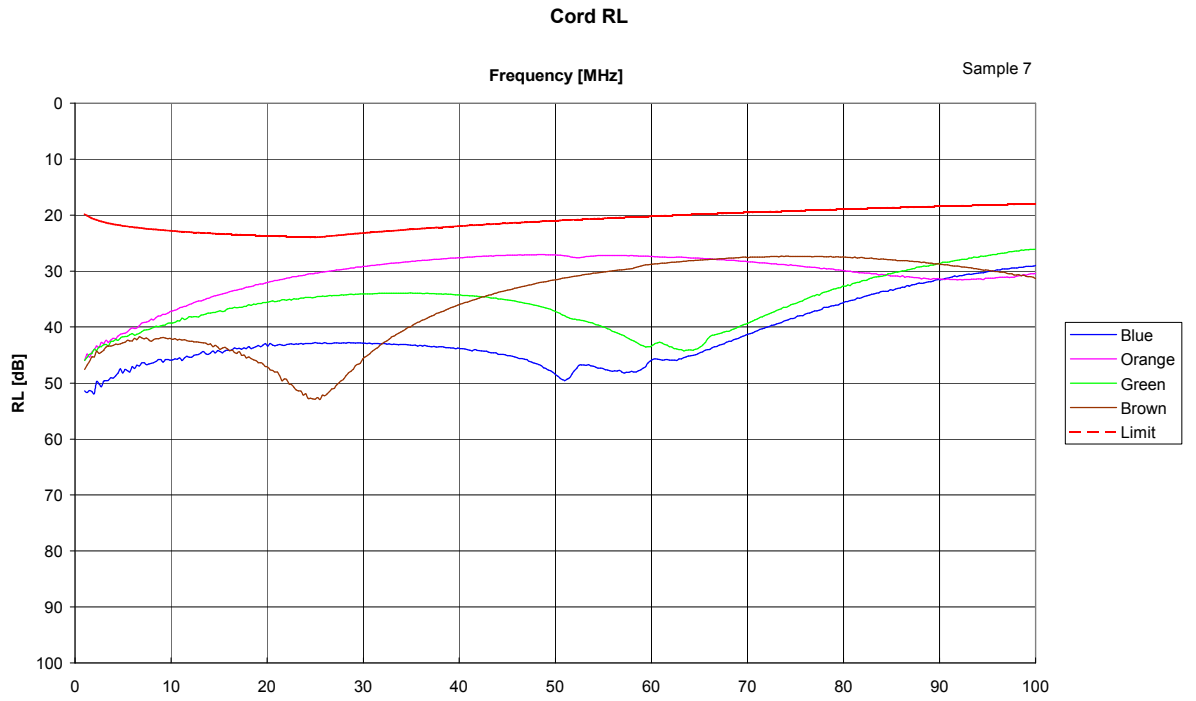
PCnet cable, SUN plug, length 3 m.



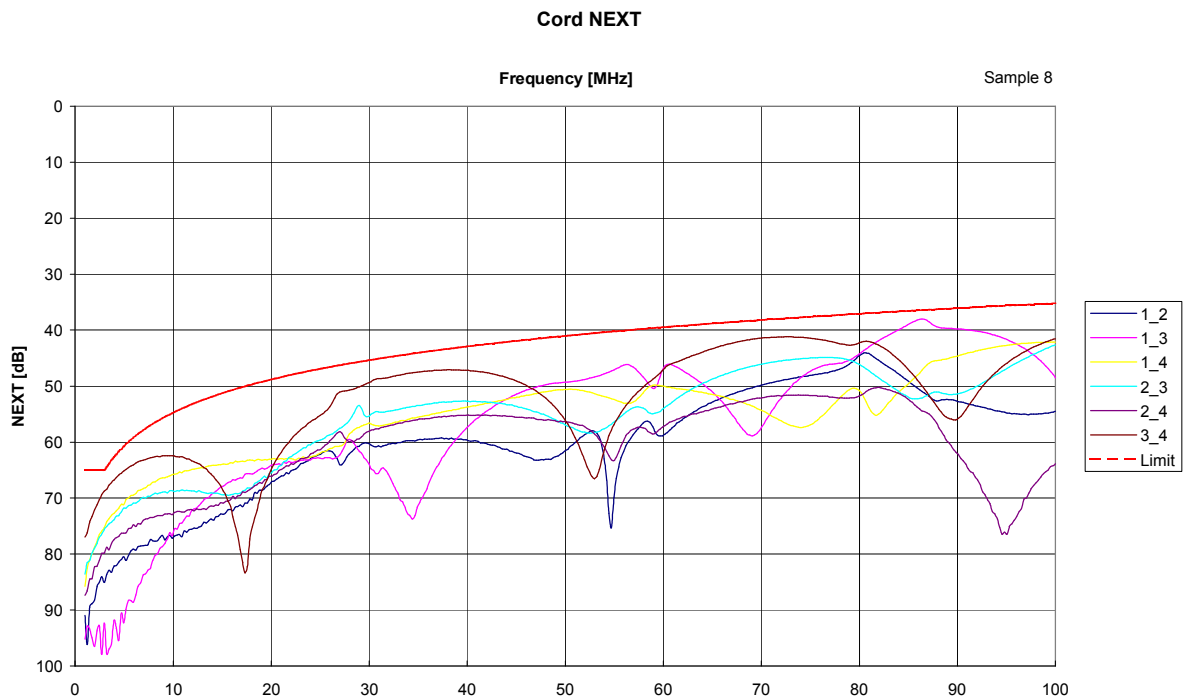
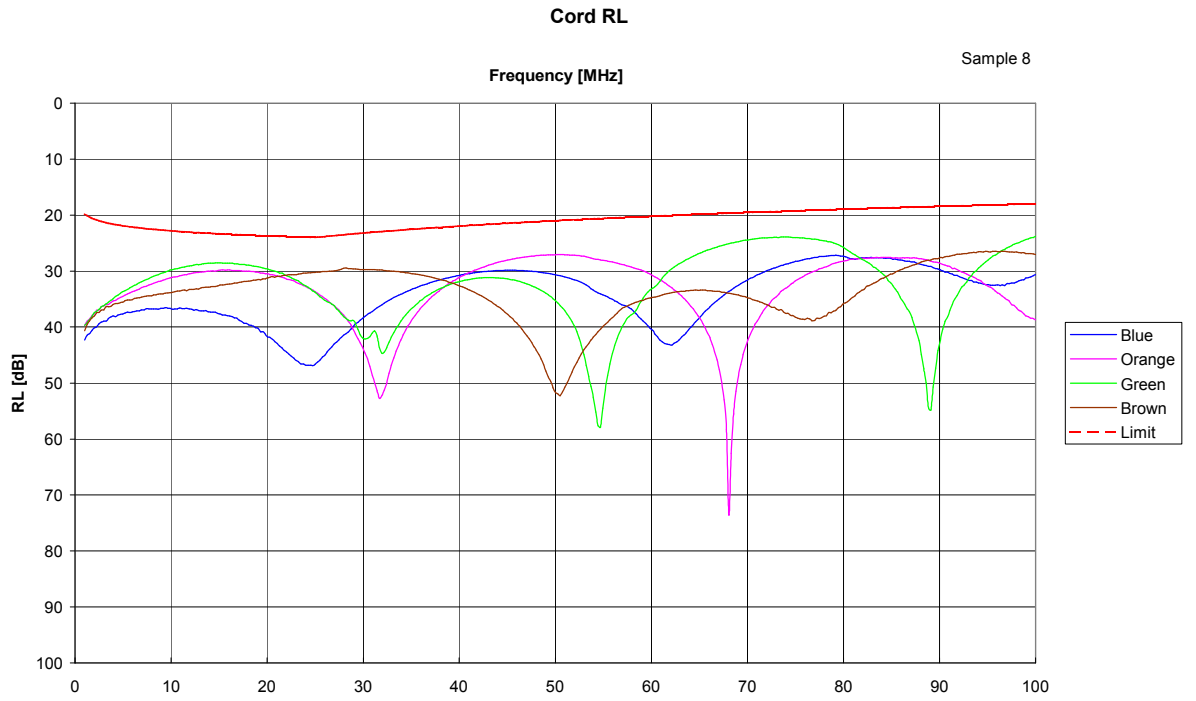
NEXANS cable, SUN plug, length 1 m



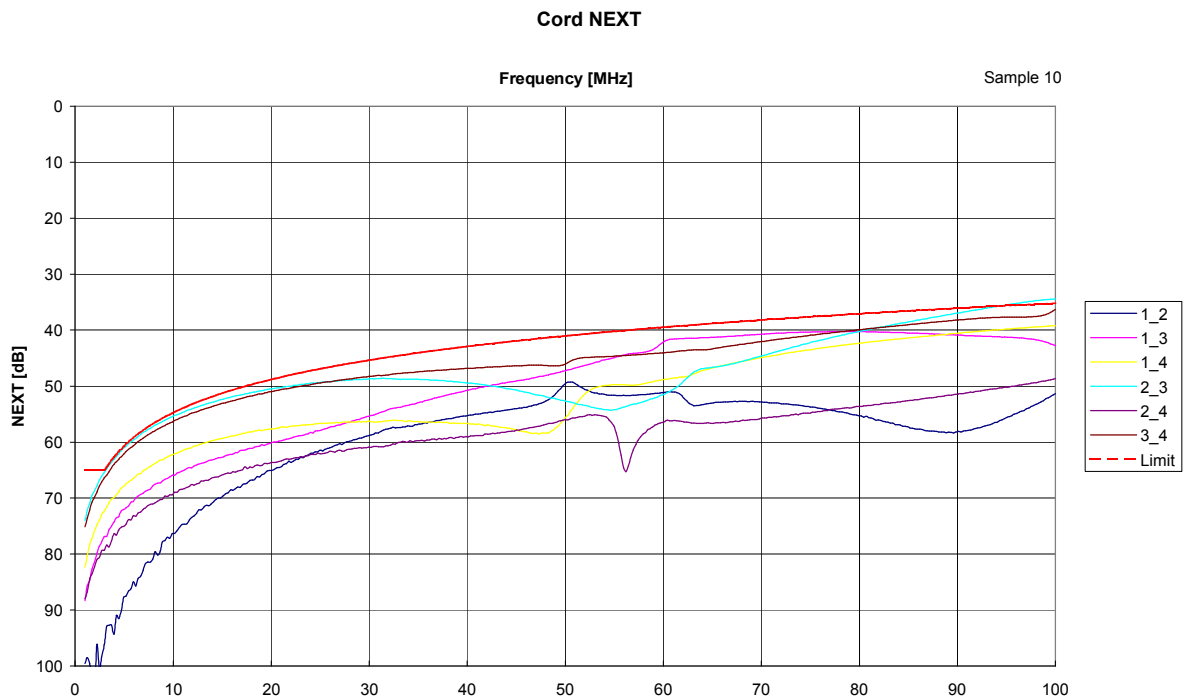
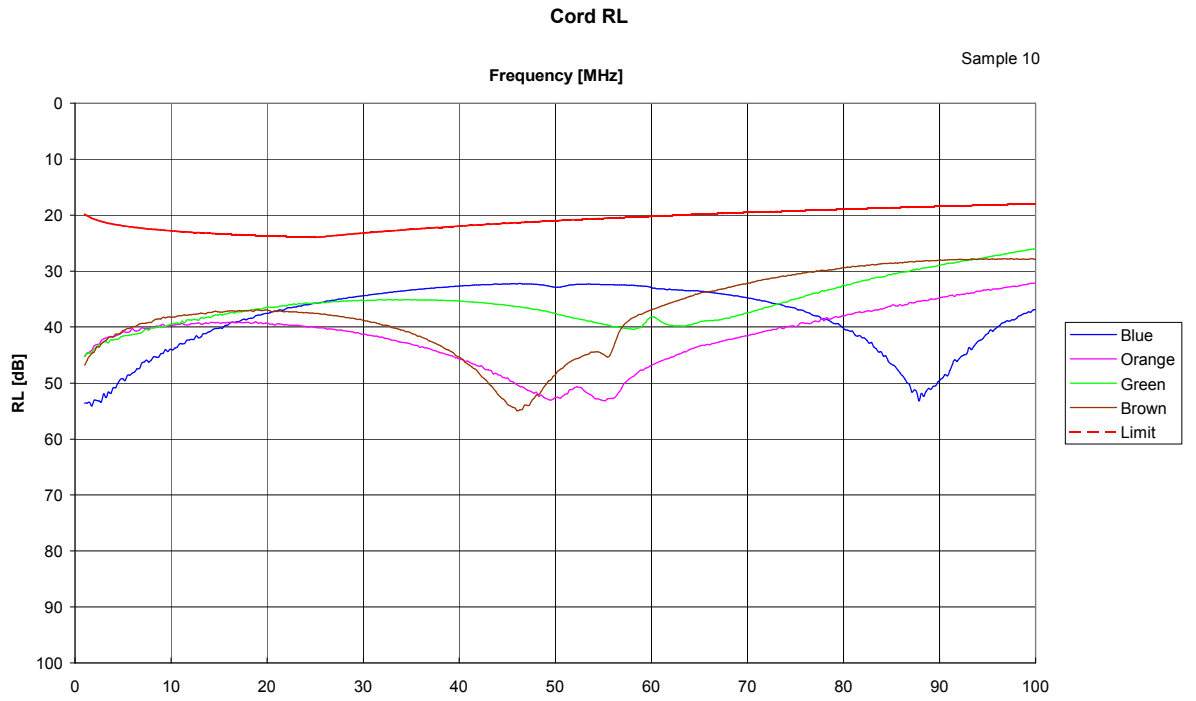
NEXANS cable, SUN plug, length 3 m.



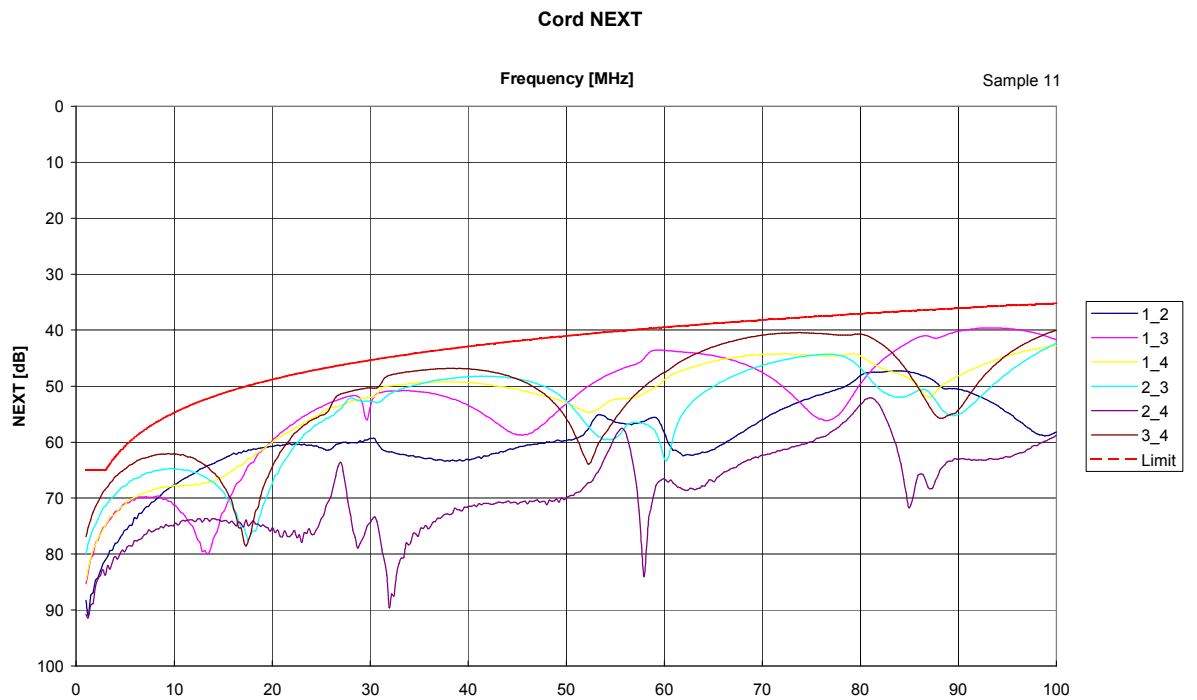
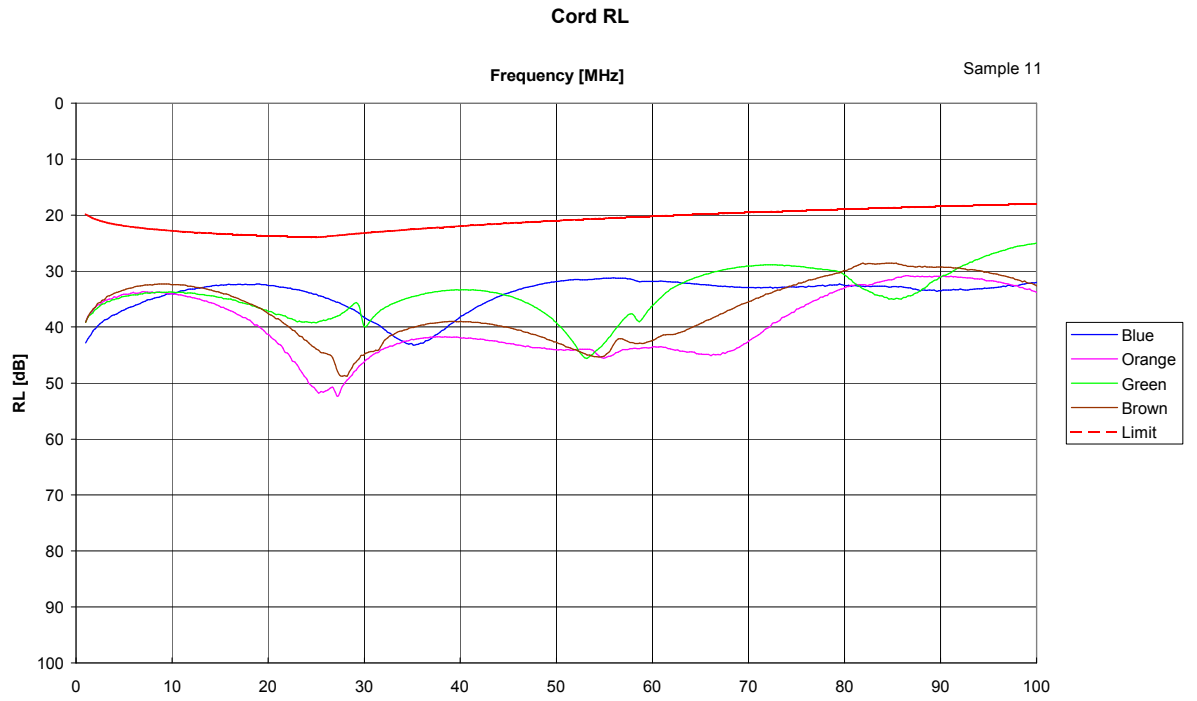
PCnet cable, AMP plug, length 1 m.



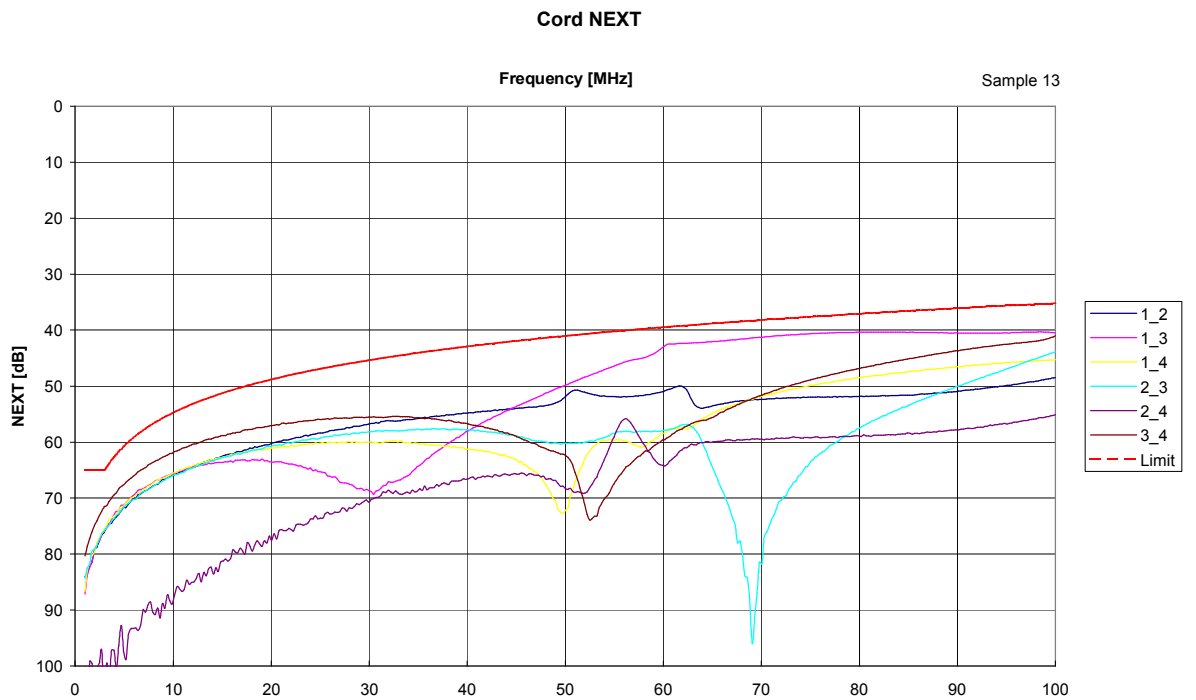
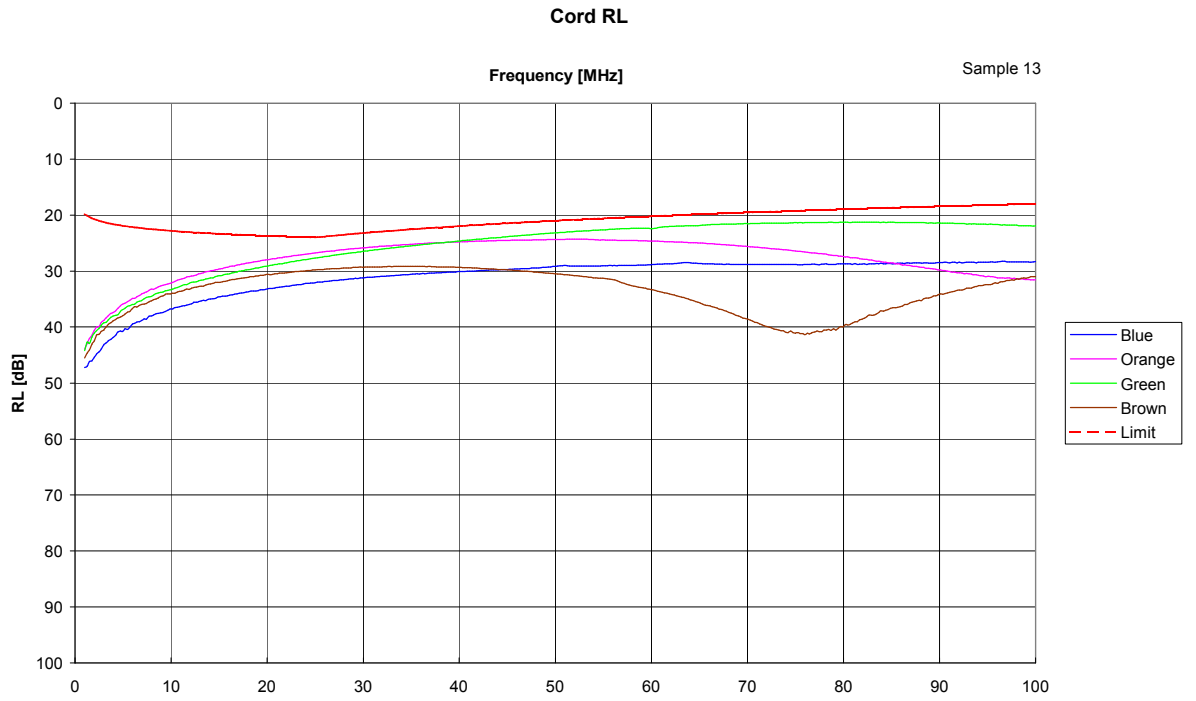
PCnet cable, AMP plug, length 3 m



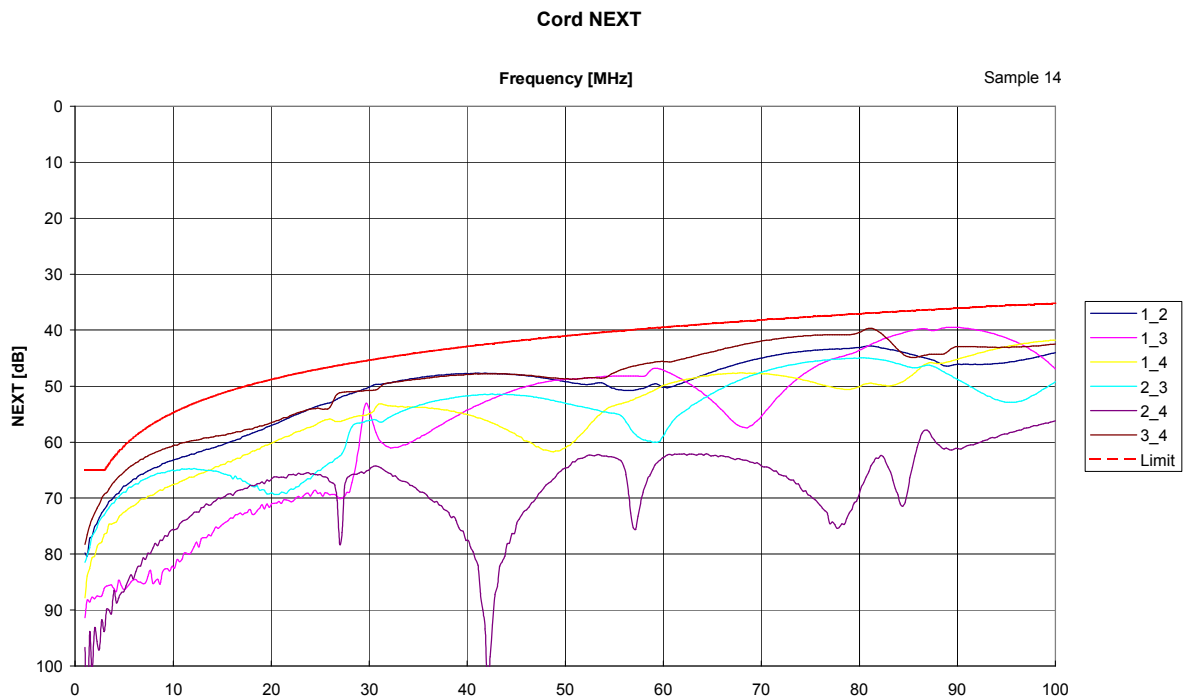
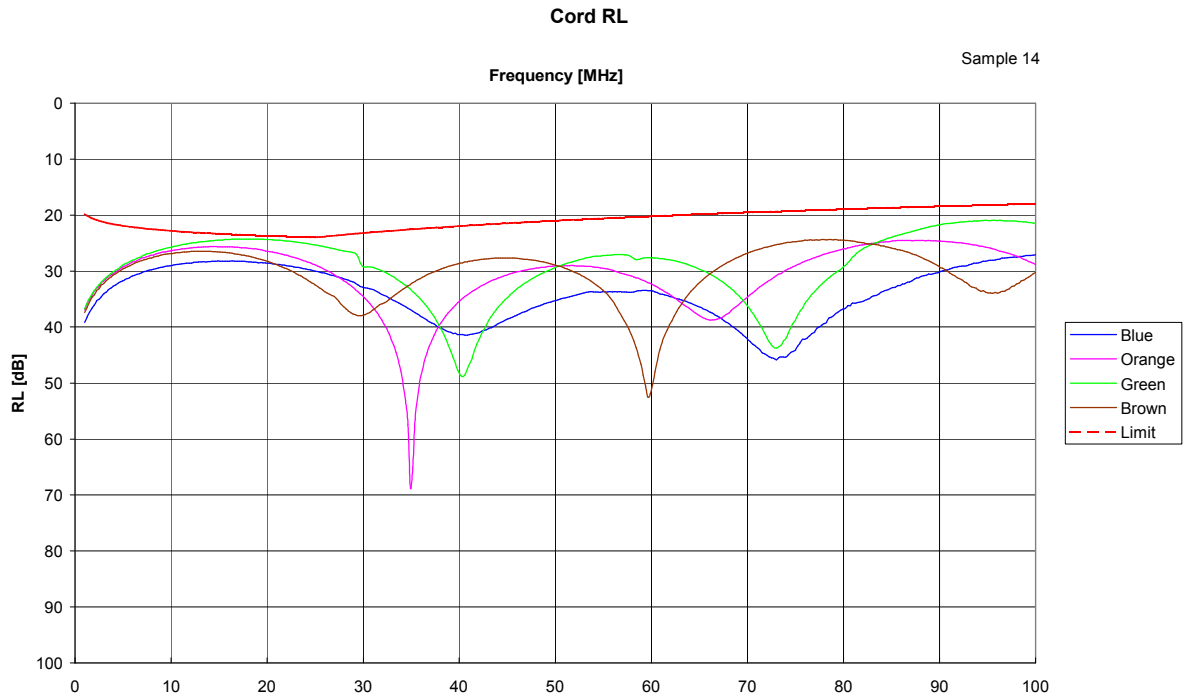
NEXANS cable, AMP plug, length 1 m.



NEXANS cable, AMP plug, length 3 m.



NEK/CDT cable, AMP plug, length 1 m.



NEK/CDT cable, AMP plug, length 3 m.