

Test Report



Conformance testing of patch cords

Performed for RiT Technologies Ltd.

DANAK-19J1006

Project no.: E311590-02

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Date: 2002-08-20

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Title Conformance testing of patch cords

Product description Cat 5e patch cord

Product identification R3259xxx, xxx is length is cm from 100 to 500

Attestation of Conformity No. 2002-132

Report no. DANAK-19J1006

Project no. E311590-02

Test object received 2002-08-12

Test period August 2002

Client RiT Technologies Ltd.
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Tel-Aviv 69719
Israel

Contact Mr. Kobi Haggay

Specification ANSI/TIA/EIA-568-B.2

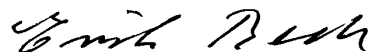
Results Compliance with specifications is verified

Prepared by Erik Bech

Reviewed by Ole Christensen

Date 2002-08-20

Responsible



Erik Bech, Test Manager
DELTA LAN Components and Systems Testing

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1. Summary

Samples of patch cords have been subjected to a conformance test for compliance with generic cabling standards.

The patch cords for this conformance test were sent to DELTA by the customer.

The conformance testing has been performed under laboratory conditions at the European Cabling group of DELTA.

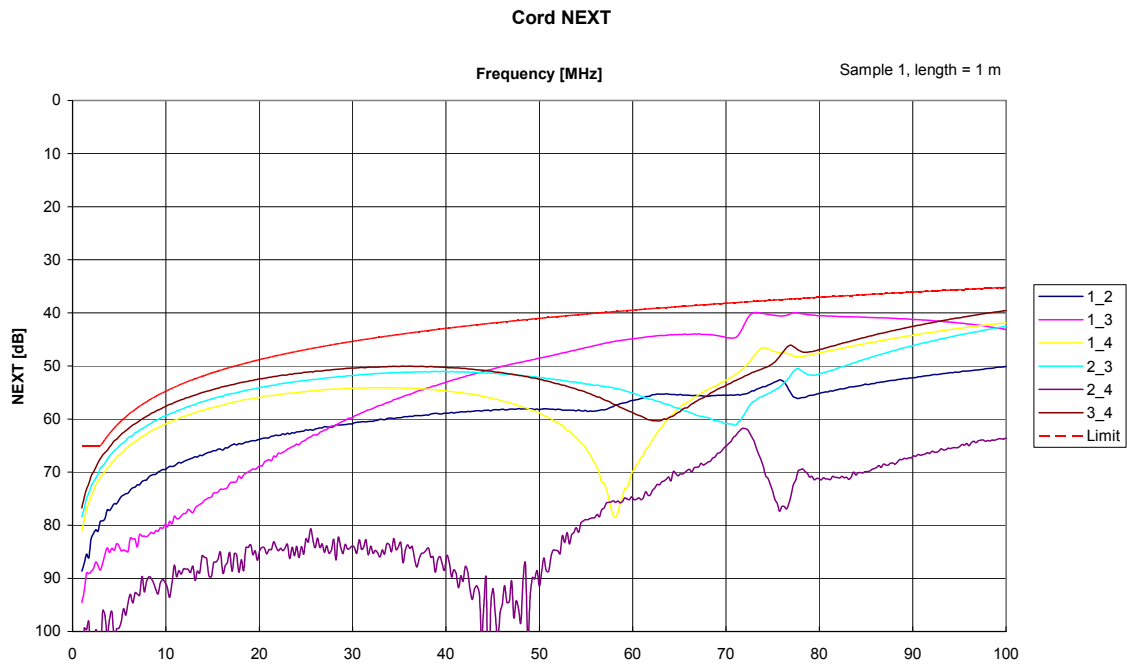
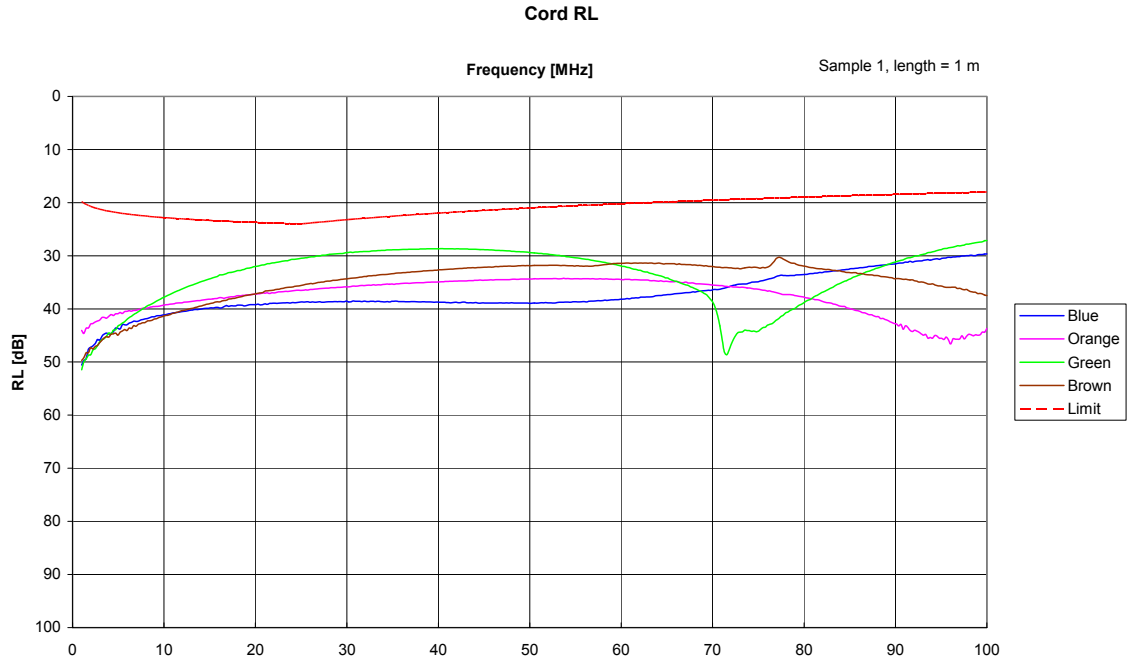
This report firstly inform on the conclusion. Then the test results are reported. The results are compared with the requirements. At last the applied standards and test procedures are listed and described.

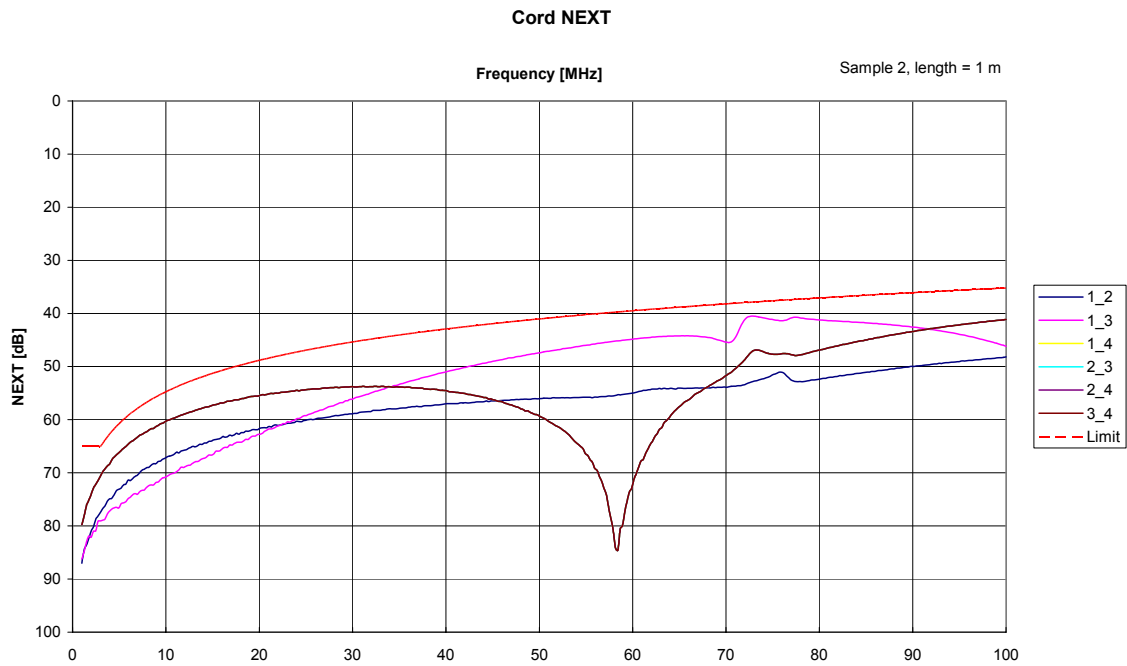
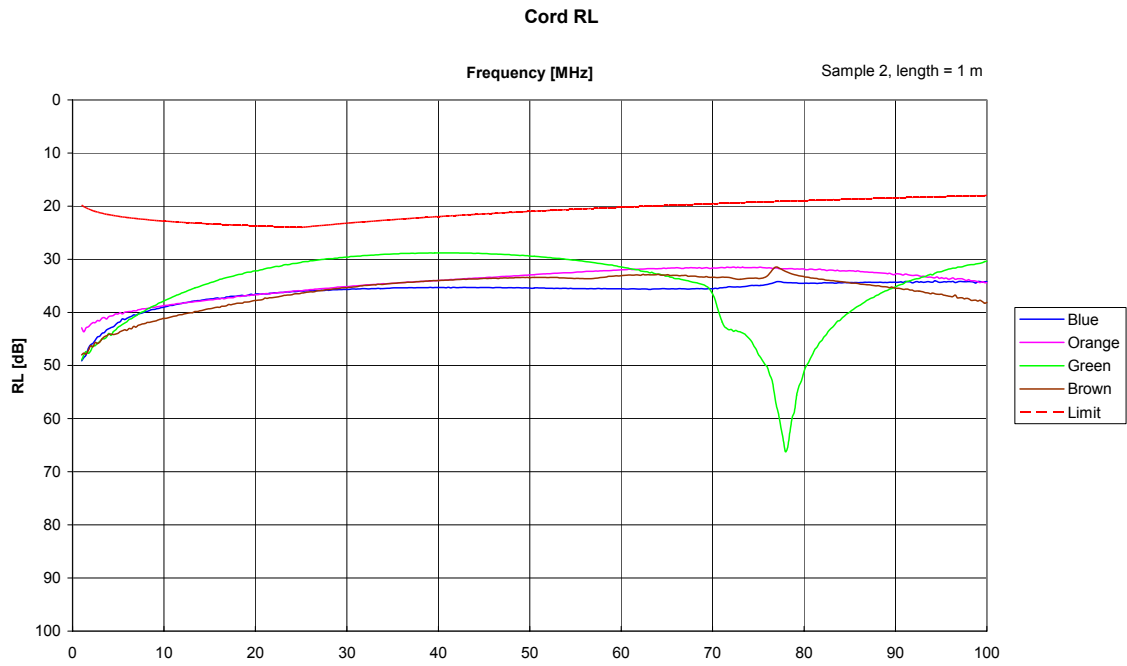
2. Conclusion

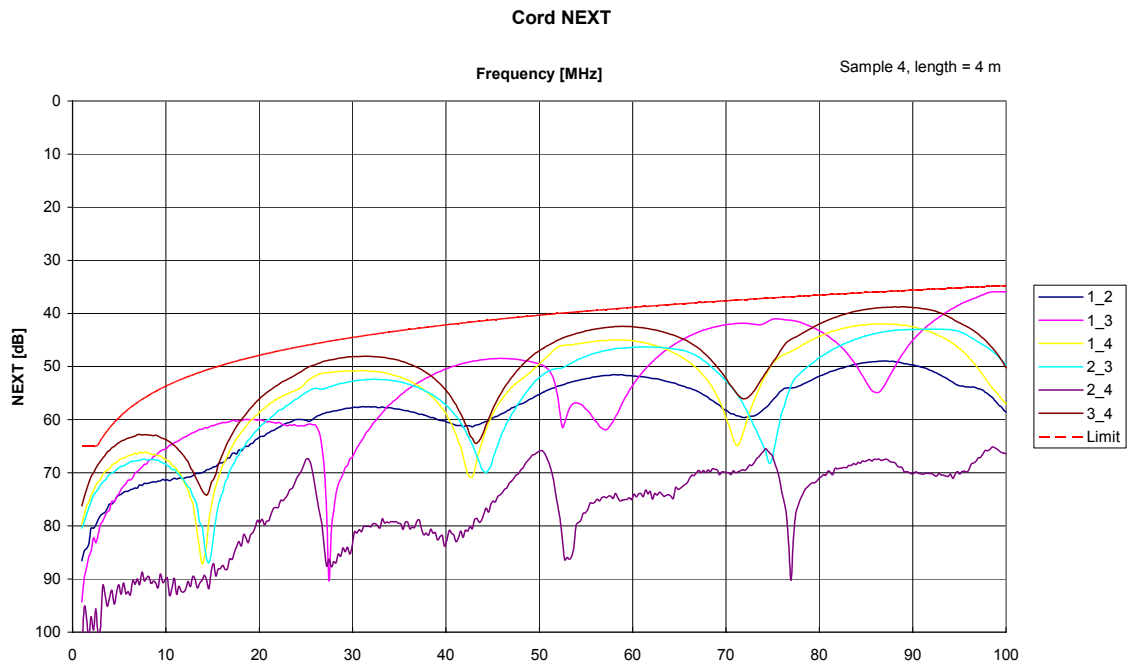
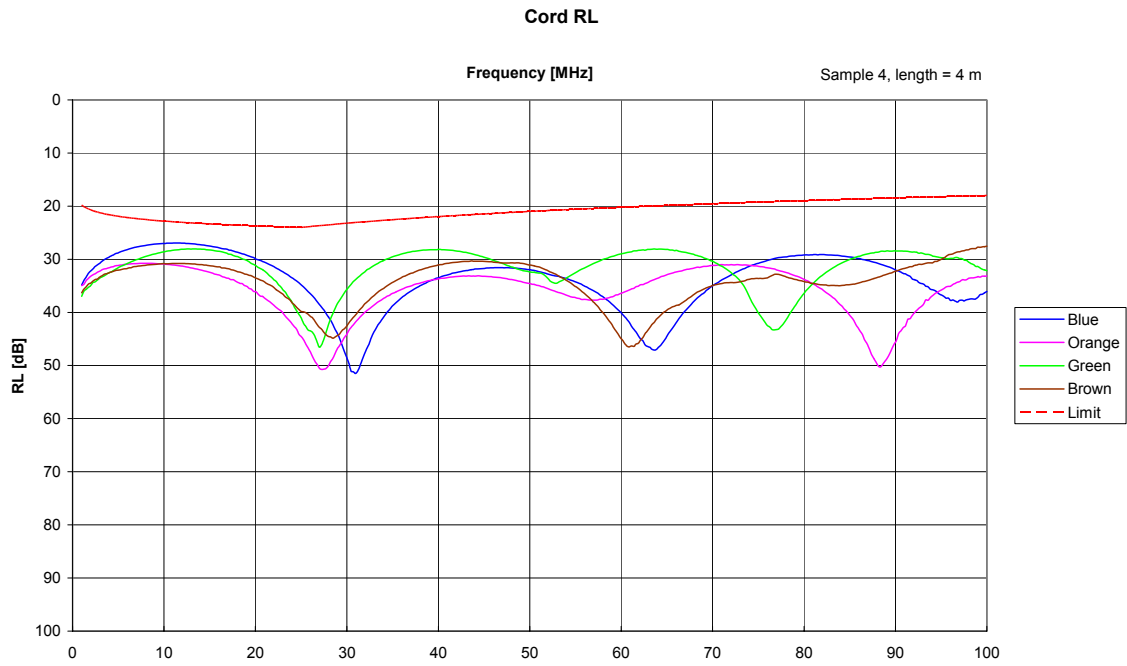
The measurements have shown that the patch cord samples comply with the applied standard.

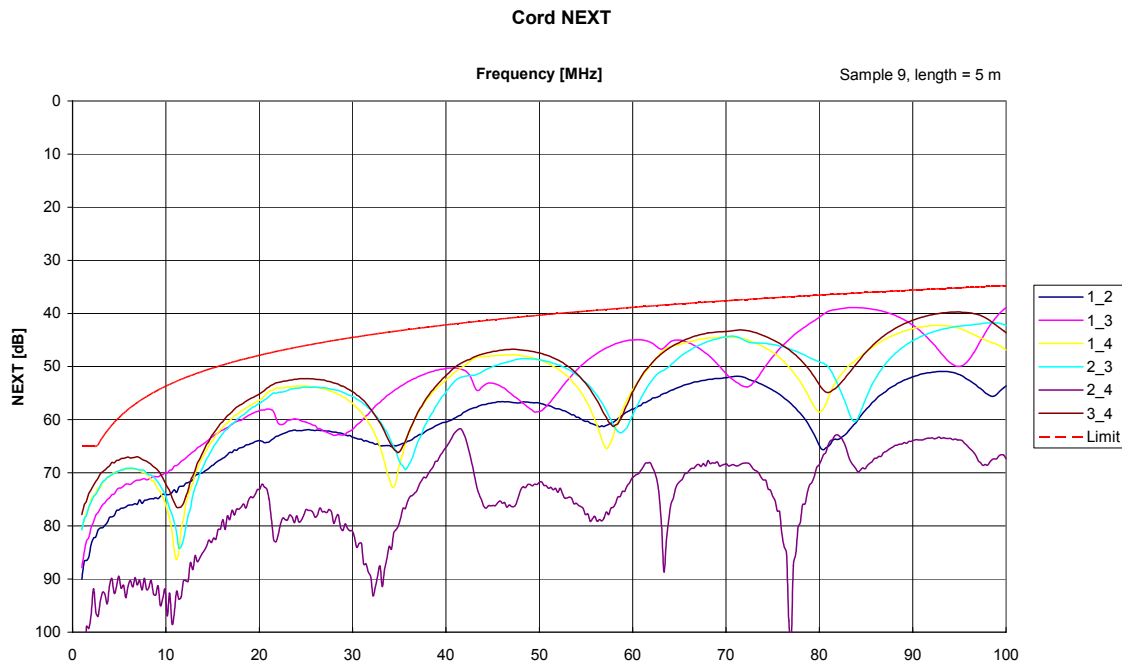
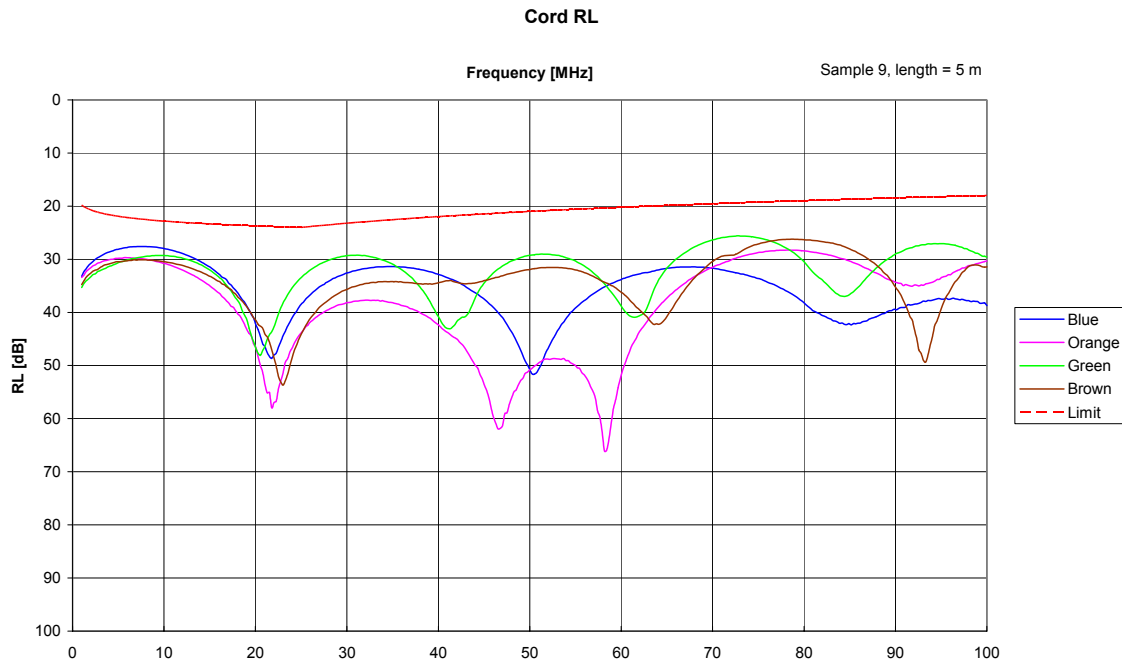
The test results are only applicable for the tested samples.

3. Test results









Equipment:

Network Analyser Hewlett Packard, type 8753D
Relay box DELTA

instrument no.: 31109
Instrument no.: 31099

4. Reference to applicable standards and documents

Test of the cords under test is performed with reference to the following standard:

4.1 Generic cabling standard

ANSI/TIA/EIA-568-B.2

Commercial Building Telecommunications Cabling Standard, Category 5e (2001)

Part 2: Balanced Twisted-Pair Cabling Components

(This standard covers Category 5e cables, patch cords, connecting hardware, and cabling).

4.2 Special requirements for EC VERIFIED

DQP231006 Terms and conditions for use of the EC VERIFIED marking on generic cabling products, dated 2002-02-12.

5. ***Test procedures and equipment***

The tests carried out on the cable under test are performed according to test procedures worked out by DELTA and approved by DANAK. These procedures are as far as possible in compliance with the standardised procedures that are referred in the standards for cables and cabling. For those test methods that are still for further study, DELTA has chosen appropriate tests, which are proposed by the working groups in the standardisation committees. DELTA is actively participating in many of these groups. Information on the detailed procedures is given upon request. In this section the procedures are described briefly and the applied equipment for the tests are listed.

5.1 ***Patch cord testing***

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.

5.2 ***Test software***

Test software according to information in the table below is used for the conducted tests.

Software name	Function	File name	Version	Date
Cable test programme	Electrical cable tests	Cabltot.vee	3.85	021122
Report programme	Report	Report.exe	1.3	020626
Report programme	Report	Rapgen.xls	1.10	000918