



Test report : 120762/2
Item tested: KAB-ANT145-010 / KAB-ANT146-010
Type of equipment: Galvanic isolator
Client: Bleken Data AS

**Tested according to
VEILEDNING – KABEL-TV NETT**

27th January 2009

Authorized by : 
Geir Antonsen
Technical Verificator

The results detailed in this test report are valid only for the particular sample(s) tested and with configuration(s) as implemented during testing.

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1 GENERAL INFORMATION

1.1 Testhouse Info

Name : Nemko A/S
Address : Nemko Comlab
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N-2027 Kjeller, NORWAY
Telephone : +47 64 84 57 00
Fax : +47 64 84 57 05
E-mail: comlab@nemko.com
Number of Pages: 9

1.2 Client Information

Name : Bleken Data AS
Address : Postboks 94
N-3161 Stokke
Telephone : +47 33305020

Contact:

Name : Magnus Bleken
Phone : +47 96505020

1.3 Manufacturer (if other than client)

2 TEST INFORMATION

2.1 Tested Item

Name :	Galvanic isolator
Model/version :	KAB-ANT145-010 (sort), KAB-ANT146-010 (hvit)
Serial number :	/
Type of Power Supply :	Passive equipment
Ports :	75 ohm IEC connector on both ends.

Description of Tested Device(s)

The EUT is a Cable isolator for Cable TV equipment.

2.2 Test Environment

Normal test condition

Temperature:	20 – 24 °C
Relative humidity:	20 – 40 %
Normal test voltage:	230 V AC

The values are the limit registered during the test period.

2.3 Test Period

Item received date : 20.01.2009
Test period : 23.01.2009

2.4 Test Engineer(s)

Tore Løvlien and Thanh Tran

3 TEST REPORT SUMMARY

3.1 Standards and Regulations

Veiledning – Kabel-TV nett

3.2 Additional information

3.2.1 Reference standards

FOR-2005-09-27-1094 Forskrift om elsikkerhet i elektronisk kommunikasjonett

3.2.2 Test method

Given in each test set up according to reference standard.



**THIS TEST REPORT APPLIES ONLY TO THE ITEM(S) AND CONFIGURATIONS TESTED.
Deviations from, additions to, or exclusions from the test specifications are
described in "Summary of Test Data".**

TESTED BY : Tore Størlin DATE: 23.01 2009
Test Engineer

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4 TEST REPORT SUMMARY

4.1 Abbreviations

- P** Passed, the equipment fulfils the requirement
F Failed, the equipment does not fulfil the requirement
I Inconclusive, the test does not give a conclusive verdict
NA Not applicable, the requirement is not applicable
NT Not tested, the test is not performed even though the requirement is relevant

4.2 List of measurements

Standards	Port	Measurement	Result (Pass/Fail)
Veiledning kabel TV nett	Cable	Leakage current @ 230 V RMS <8mA	P
Veiledning kabel TV nett	Cable	Isolation breakdown @ 2120V DC <0,7mA	P

4.3 Conclusion

One from each model (black and white) was tested, and they both complied with the requirements of the listed standard.

5 LEAKAGE CURRENT AT 230 V RMS

TEST SETUP

The leakage current was measured for 15, 30, 45 and 60 minutes in the setup diagram shown below. Photo of setup is shown in the end of the report.

The test was carried out only according to the description in NPT: VEILEDNING – KABEL - TV NETT

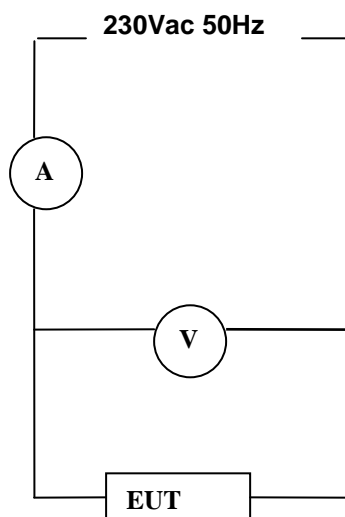
PERFORMANCE CHECK

Before and after the exposures, the units were inserted in a coaxial test setup to verify that the parameters had not changed

TEST RESULT

All units had similar leakage current slightly below 1 mA

The units comply with the limit of 8 mA, stated in the test description.



Instrument used: Fluke 8060A Multimeter (LT5347 and LT5348)

6 ISOLATION BREAKDOWN AT 2120 V DC

TEST SETUP

The leakage current was measured for 1, 5 and 15 minutes in the setup diagram shown below.
Photo of setup is shown in the end of the report.

The test was carried out only according to the description in NPT: VEILEDNING – KABEL - TV NETT

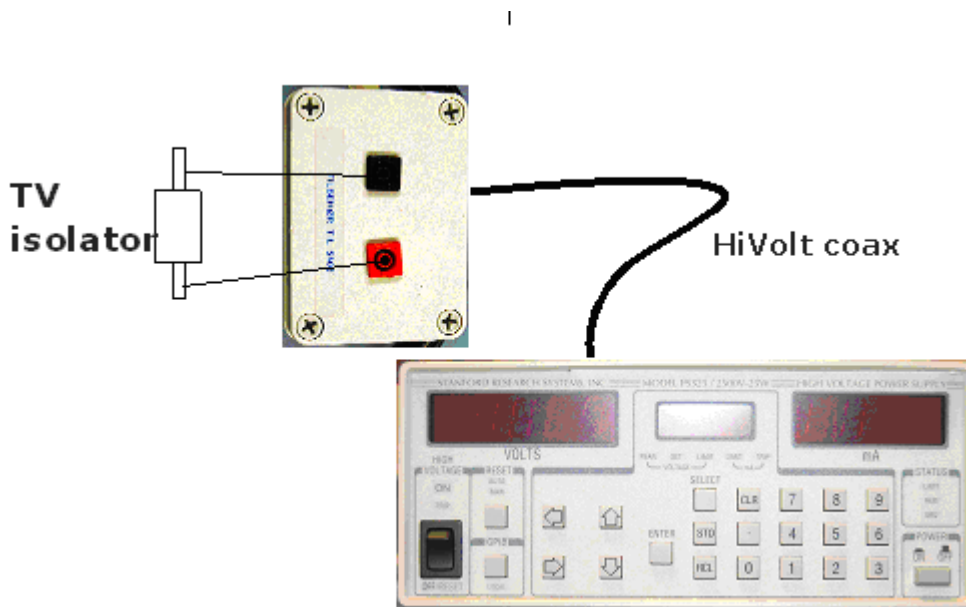
PERFORMANCE CHECK

Before and after the exposures, the units were inserted in a coaxial test setup to verify that the parameters had not changed

TEST RESULT

The units had no noticeable leakage current or isolation breakdown.

The units comply with the limit of 0,7 mA ,stated in the test description.



Instrument used: Stanford Research Systems INC High Voltage Dc supply type PS-325 (LT5408)

7 PHOTOS DURING HIGH VOLTAGE TESTING

