

Testing and certification of, consultancy and research concerning, electronic and electric appliances, systems, installations and telecommunication systems

TEST REPORT CONCERNING THE COMPLIANCE OF A 8.2 MHz EAS SYSTEM,
BRAND NEDAP, MODEL FLEUReas
WITH 47 CFR PART 15 (JULY 10, 2008).

FCC listed : 90828 Industry Canada : 2932G-1 VCCI Registered : R-1518, C-1598

R&TTE, LVD, EMC Notified Body : 1856

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Project number: 09042004.fcc01_Rev01 Page 1 of 19



scription of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap

Model: FLEUReas

FCC ID: CGDFLEUREAS

MEASUREMENT/TECHNICAL REPORT

N.V. Nederlandsche Apparatenfabriek "Nedap" Model : FLEUReas

FCC ID: CGDFLEUREAS

May 13, 2009

Original grant/certification Class 2 change Verification This report concerns: Equipment type: Anti-Pilferage Device, operating on 8.2 MHz Deferred grant requested per 47 CFR 0.457(d)(1)(ii) ? No Yes n.a. Report prepared by: : Richard van der Meer Name Company name : TÜV Rheinland EPS B.V. : Smidshornerweg 18 Address Postal code/city : 9822 TL Niekerk Mailing address : P.O. Box 15 Postal code/city : 9822 ZG Niekerk Country : The Netherlands Telephone number : + 31 594 505 005 : + 31 594 504 804 Telefax number E-mail : info@tuv-eps.com

The data taken for this test and report herein was done in accordance with 47 CFR Part 15 (july 10, 2008) and the measurement procedures of ANSI C63.4-2003. TÜV Rheinland EPS B.V. at Niekerk, The Netherlands, certifies that the data is accurate and contains a true representation of the emission profile of the Equipment Under Test (EUT) on the date of the test as noted in the test report. I have reviewed the test report and find it to be an accurate description of the test(s) performed and the EUT so tested.

Date: May 13, 2009 Signature:

O. Hoekstra

Senior Engineer Telecom TÜV Rheinland EPS B.V.

Il Hubbi

Project number : 09042004.fcc01_Rev01 Page 2 of 19



Description of EUT: Anti-Pilferage Device Manufacturer: N.V. Nederlandsche A

Ianufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

Description of test item

Test item : Anti-Pilferage Device for detection of 8.2MHz EAS labels, hard tags or

disposable paper tags.

Manufacturer N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand : Nedap
Model(s) : FLEUReas
Serial number(s) : n.a.
Revision : n.a.

Applicant information

Applicant's representative : Mr. J. Hulshof

Company : N.V. Nederlandsche Apparatenfabriek "Nedap"

Address : Parallelweg 2
Postal code : 7141 DC
City : Groenlo

 Country
 :
 The Netherlands

 Telephone number
 :
 +31 544 471 444

 Telefax number
 :
 +31 544 466 839

Test(s) performed

Location : Niekerk
Test(s) started : April 20, 2009
Test(s) completed : May 08, 2009

Purpose of test(s) : Equipment Authorization (Original grant/certification)

Test specification(s) : 47 CFR Part 15 (July 10, 2008)

Test engineer(s) : R. van der Meer

Report written by : R. van der Meer

Report date : May 13, 2009

This report is in conformity with NEN-EN-ISO/IEC 17025: 2005
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The test results relate only to the item(s) tested.

Project number : 09042004.fcc01_Rev01 Page 3 of 19



Test specification(s): FCC Part 15
Description of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap

Model: FLEUReas

FCC ID: CGDFLEUREAS

Table of contents

1	Ger	neral information	5
	1.1	Product description	5
	1.1.		
	1.2	Related submittal(s) and/or Grant(s)	5
	1.2.	1 General	5
	1.3	Tested system details	5
	1.3.	1 Description of input and output ports.	8
	1.4	Test methodology	.10
	1.5	Test facility.	.10
	1.6	Test conditions.	.10
2	Sys	tem test configuration	.11
	2.1	Justification	
	2.2	EUT mode of operation.	.11
	2.3	Special accessories	.11
	2.4	Equipment modifications.	.11
	2.5	Product Labelling	
	2.6	Block diagram of the EUT.	
	2.7	Schematics of the EUT	
	2.8	Part list of the EUT.	.11
3	Rad	diated emission data	
	3.1	Radiated field strength measurements (30 MHz – 1 GHz, E-field)	
	3.2	Radiated field strength measurements (frequency range of 0.009-30 MHz, H-field) Average values	
	3.3	Radiated field strength measurements (frequency range of 0.009-30 MHz, H-field) Peak values	
4		rier stability under special conditions	
		Frequency stability (on 8.2 MHz) in accordance with 47 CFR Part 15, section 15.31:	
		1 At 85% and 115% of rated voltage supply level	
5	Con	nducted emission data	
	5.1	Conducted emission data of the EUT	
6	List	of utilized test equipment.	.19



Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

1 General information.

1.1 Product description.

1.1.1 Introduction.

The Nedap FLEUReas system is an EAS (Electronic Article Surveillance) system for detection of 8.2MHz EAS labels, hard tags or disposable paper tags, used at the entry of shops, libraries etc. Up to 4 antennas (ports) can be used, allowing for max 3 entries. Choice of the antenna width can be either 30cm or a 45cm. The system operates in the frequency range: 7.4 MHz up to 8.8 MHz with a sweep of 600Hz.

The content of this report and measurement results have not been changed other than the way of presenting the data.

1.2 Related submittal(s) and/or Grant(s).

1.2.1 General.

This test report supports the original grant/certification in equipment authorization files under FCC ID: CGDFLEUREAS.

1.3 Tested system details.

Details and an overview of the system and all of its components, as it has been tested, may be found below.

EUT1 : EC

Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand : Nedap
Model : FLEUReas
Serial number : X114-001
Voltage input rating : 100 – 240Vac

Voltage output rating : n.a.

Current input rating : not provided

Antenna : External (AUX1-AUX2)

Remarks : --

AUX1 : Antenna 30cm

Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand : Nedap Model : FL-AS

Serial number : RX1=X122-001 RX2=X122-002

Remark : production versions will be called: FL-AS and EC30, where the EC-30 will

have metal coverparts in the lower part of the EUT instead of plastic.

AUX2 : Antenna 45cm

Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand : Nedap Model : FL-AL

Serial number : TX1=X122-002 TX2=X122-001

Remark : production versions will be called: FL-AL and EC45, where the EC-45 will

have metal coverparts in the lower part of the EUT instead of plastic.

AUX3 : Customer Counter and service RS-232 connection (option)

Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand : Nedap

Model : 9926402 (Nedap article number)

Serial number : X417A001 Remark : fitted option

Project number : 09042004.fcc01_Rev01 Page 5 of 19



Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

AUX4 : Lighting Unit (option)

Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand : Nedap

Model : 7829710 (Nedap article number)

Serial number : --

Remark : fitted option in all antenna units

AUX5 : Receiver Attenuation Switch and Buzzer (option)
Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand : Nedar

Model : 8016968 (Nedap article number)

Serial number : -

Remark : fitted option

AUX6 : PSTN (option)

Brand : Multi-Tech Systems Inc.

Model : 9922628 (Nedap article number)

Serial number : X415A001

FCC ID : AU7USA-46014-MD-E

IC ID : 125 11142A Remark : fitted option

AUX7 : GSM (option)

Brand : Multi-Tech Systems Inc.

Model : MTSMC-G-F4 (9922636= Nedap article number)

Serial number : X417A001

FCC ID : AU792U07A31817

IC ID : 125A-0027 Remark : fitted option

AUX8 : LAN (option) Brand : Lantronix

Model : XPORT-03 (9922644= Nedap article number)

Serial number : X417A001 Remark : fitted option

AUX9 : Mains Power Supply Adapter
Brand : Power-Win Technology Corp.
Model : PWY-065A-1Y30F1(G) 10M

Serial number : 3766905

Voltage input rating : 100 – 240Vac~2A, 50/60Hz

Voltage output rating : 30Vdc / 1.5A 45W Remark : FCC approved

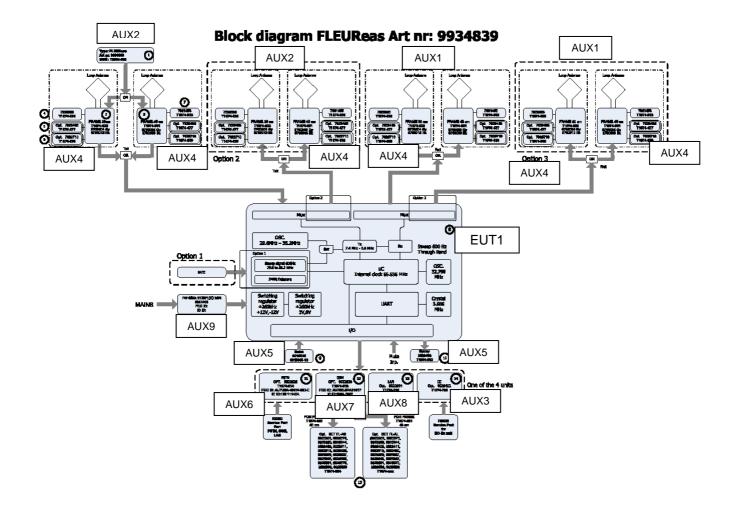
Project number : 09042004.fcc01_Rev01 Page 6 of 19



Description of EUT: Manufacturer:

Anti-Pilferage Device N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap Model: **FLEU**Reas FCC ID: **CGDFLEUREAS**



Project number: 09042004.fcc01_Rev01 Page 7 of 19



Description of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

1.3.1 Description of input and output ports.

Number	Terminal	From	То	Remarks
1	Mains	Mains	Power supply	Shielded cable
2	TX1	EC	Antenna 45cm	Shielded cable
3	TX2	EC	Antenna 45cm	Shielded cable
4	RX1	EC	Antenna 30cm	Shielded cable
5	RX2	EC	Antenna 30cm	Shielded cable
6	6 EC		Option	Shielded cable

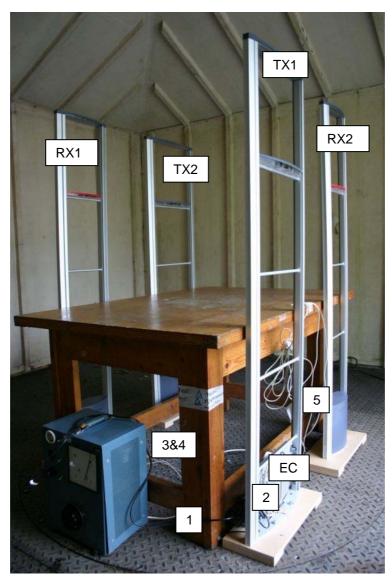


Photo 1: Basic testsetup and connections

Project number : 09042004.fcc01_Rev01 Page 8 of 19



Description of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap

Model: FLEUReas

FCC ID: CGDFLEUREAS

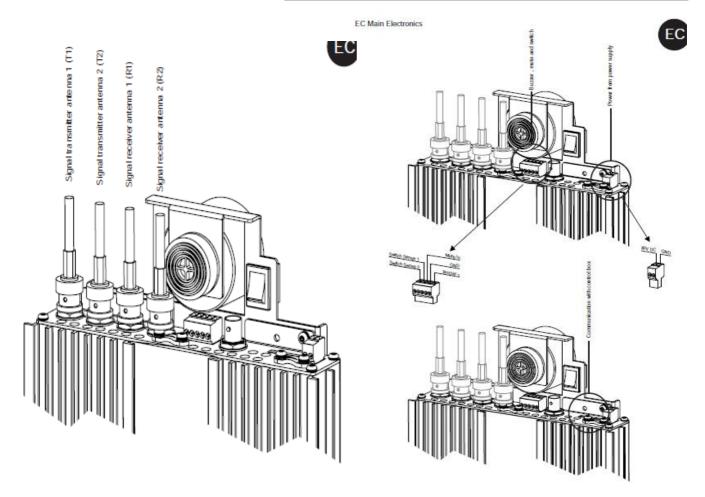


Figure 1. Connections of the EC unit (EUT1)

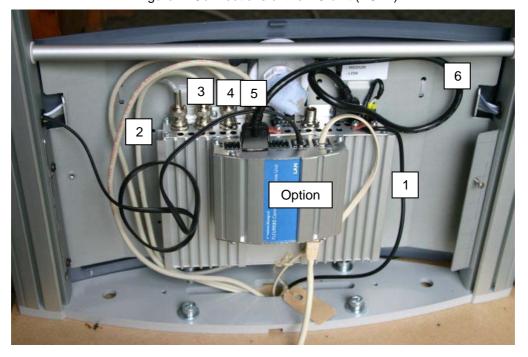


Photo 2: Input & Output ports connections

Project number : 09042004.fcc01_Rev01 Page 9 of 19



Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

1.4 Test methodology.

The test methodology used is based on the requirements of 47 CFR Part 15 (july 10, 2008), sections 15.31, 15.207 and 15.209.

The test methods, which have been used, are based on ANSI C63.4: 2003.

Radiated emission tests above 30 MHz were performed at a measurement distance of 3 meters.

Radiated emission tests below 30 MHz were performed at a measurement distance of 3 meters and 10 meters. To calculate the field strength level from these results to the appropriate distance at which the limit is specified, the calculation on Appendix 1 is used.

The receivers are switching automatically to the right bandwidth in accordance with CISPR 16. This is implemented in the receiver. The antenna factors are programmed in the test receiver. The receiver automatically calculates the appropriate correction factor for the utilized antenna and also the appropriate antenna factor for the cable loss. The total correction is automatically added to the measured value.

1.5 Test facility.

The Federal Communications Commission and Industry Canada has reviewed the technical characteristics of the test facilities at TÜV Rheinland EPS B.V., located in Niekerk, 9822 TL Smidshornerweg 18, The Netherlands, and has found these test facilities to be in compliance with the requirements of 47 CFR Part 15, section 2.948, per October 23, 2000.

The description of the test facilities has been filed at the Office of the Federal Communications Commission under registration number 90828. The facility has been added to the list of laboratories performing these test services for the public on a fee basis.

The description of the test facilities has been filed to Industry Canada under registration number 2932G-1. The facility has been added to the list of laboratories performing these test services for the public on a fee basis.

1.6 Test conditions.

Normal test conditions:

Temperature (*) : +15°C to +35°C Relative humidity(*) : 20 % to 75 %

Supply voltage : 115VAC/60Hz to the AC/DC Power Supply – the DC output was varied across the voltage range

specified by the manufacturer

Air pressure : 950 – 1050 hPa

When is was impracticable to carry out the tests under these conditions, a note to this effect stating the ambient temperature and relative humidity during the tests are stated separately.

Project number : 09042004.fcc01_Rev01 Page 10 of 19



Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

2 System test configuration.

2.1 Justification.

The system was configured for testing in a typical fashion (as a customer would normally use it).

The justification and manipulation of cables and equipment in order to simulate a worst-case behavior of the test setup has been carried out as prescribed in ANSI C63.4: 2003.

2.2 EUT mode of operation.

The EUT has been tested in active mode, i.e. the EUT is ready to detect a tag. To assess the behavior of the EUT while reading the tag, the EUT is tested with a tag presented such that it continuously reads the tag. The intentional radiator tests (47 CFR Part 15 sections, 15.207 and 15.209) have been performed with a complete functioning EUT and interconnections.

2.3 Special accessories.

No special accessories are used and/or needed to achieve compliance.

2.4 Equipment modifications.

No modifications have been made to the equipment in order to achieve compliance.

2.5 Product Labelling

The product labeling information is available in the technical documentation package.

2.6 Block diagram of the EUT.

The block diagram is available in the technical documentation package.

2.7 Schematics of the EUT.

The schematics are available in the technical documentation package.

2.8 Part list of the EUT.

The part list is available in the technical documentation package.

Project number : 09042004.fcc01_Rev01 Page 11 of 19



ription of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

3 Radiated emission data.

3.1 Radiated field strength measurements (30 MHz – 1 GHz, E-field)

Frequency (MHz)	Measurement results @3m Vertical (dBuV/m)	Measurement results @3m Horizontal (dBuV/m)	Limits @3m (dBuV/m)	Pass/Fail
30 – 88	<20	<20	40.0	pass
88 – 216	<23	<23	43.5	pass
216 – 960	<26	<26	46.0	pass
960 - 1000	<34	<34	54.0	pass

Table 1

Radiated emissions of the EUT. The results of the radiated emission tests, carried out in accordance with 47 CFR Part 15 section 15.209 with the EUT operating in active mode while detecting a tag are depicted in table 1. The system is tested as in whole, being the worst case situation. So with all equipment as shown in Figure.1 in place and functioning but with only one of the options (PSTN,LAN,CC,GSM) installed at the time since the system can only be fitted with one of these options.

Notes:

- 1. Field strength values of radiated emissions at frequencies not listed in the table above are more than 20 dB below the applicable limit.
- 2. Measurement uncertainty is ±5.0dB
- 3. The reported field strength values are the worst case values at the indicated frequency. The receiving antenna was varied in horizontal and vertical orientations and also in height (between 1m and 4m).
- 4. A Quasi-peak and Peak detector was used with a resolution bandwidth of 120 kHz.
- 5. Values noted are from the Peak detector which already are within limits for Quasi-peak.

Test engineer

Signature

Name : Richard van der Meer

Date : May 05, 2009

Project number : 09042004.fcc01_Rev01 Page 12 of 19



Description of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche A

Ianufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap

Model: FLEUReas
FCC ID: CGDFLEUREAS

3.2 Radiated field strength measurements (frequency range of 0.009-30 MHz, H-field) Average values.

Frequency (MHz)	Measurem (dB		Detector	Antenna factor	Cable loss	Measurement results (calculated)	Limits
	3 meters	10 meters		dB	dB	dB(μV)/m	dB(μV)/m
0.009 - 0.490	<20	n.m.	Av	20.1	1	n.i	48.5 down to 13.8 @300m
0.490 - 1.705	<20	n.m.	Qp	19.7	1	n.i	33.8 down to 22.9 @30m
1.705 – 10.0 Except:	<30	n.m.	Av	19.5	1	<10.5	40 @30m
6.0006	42	8.0	Av	19.5	1	22.5	40 @30m
7.42 – 7.48	50	n.m.	Av	19.5	1	30.5	40 @30m
7.48 – 8.74	55	n.m.	Av	19.5	1	35.5	40 @30m
10 -30	<20	n.m.	Qp	20.0	1	<20	29.5 @30m

Table 2a

Radiated emissions of the EUT. The results of the radiated emission tests, carried out in accordance with 47 CFR Part 15 section 15.209 and 15.223 with the EUT operating in continuous transmit mode on 8.2 MHz, are depicted in table 2a.

Notes:

- 1. Calculated measurement results are obtained by using the 40dB/decade factor (antenna factor and cable loss is included). i.e at 7.48 8.74 MHz: 55dBuv + 19.5dB + 1dB 40dB= 35.5 dBuV/m.
- 2. except in a. and b. below a detector was used during testing as noted in table 2a.
 - a. 9- 90 kHz Average detector used during measurements
 - b. 110-490 kHz Average detector used during measurements
- 3. A resolution bandwidth of 9kHz was used during testing
- 4. n.i. Indicates that no field strength values could be measured on the listed frequencies or in the listed frequency range. N.m. means not measured.
- 5. Field strength values of radiated emissions at frequencies not listed in table 2a are more than 20 dB below the applicable limit
- 6. The loop antenna was varied in horizontal and vertical orientations and also around it's axis. The reported value is the worst case found at the reported frequency.
- 7. The EUT was tested in both normal mode (i.e. without a tag in its proximity) and in activated mode (i.e. with a tag in its proximity).
- 8. The EUT was tested with all options installed but with only one communication option at the time, so or a LAN or a GSM or a PSTN unit installed. Hardly any change in values noted between the options, worst case noted.
- 9. Measurement uncertainty is ±5.0dB

Test engineer

Signature :

Name : R. van der Meer Date : May 05, 2009

Project number : 09042004.fcc01_Rev01 Page 13 of 19



ription of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche A

rer: N.V. Nederlandsche Apparatenfabriek "Nedap" ark: Nedap

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

3.3 Radiated field strength measurements (frequency range of 0.009-30 MHz, H-field) Peak values.

Frequency (MHz)	equency (Detector	Antenna factor	Cable loss	Measurement results (calculated)	Limits Part 15.209/223
	3 meters	10 meters		dB	dB	dB(μV)/m	dB(μV)/m
0.009 - 0.490	<20	n.m.	Peak	20.1	1	n.i	68.5 – 33.8 (300 m)
0.490 - 1.705	<20	n.m.	Peak	19.7	1	n.i	53.8 - 42.9 (30 m)
1.705 – 10.0 Except:	<30	n.m.	Peak	19.5	1	<10.5	60 (30 m)
6.0006	45	9.5	Peak	19.5	1	25.5	60 (30 m)
7.42 – 7.48	55	n.m.	Peak	19.5	1	35.5	60 (30 m)
7.48 – 8.74	57.9	n.m.	Peak	19.5	1	38.4	60 (30 m)
10 -30	<20	n.m.	Peak	20.0	1	<20	49.5 (30m)

Table 2b

Radiated emissions of the EUT. The results of the radiated emission tests, carried out in accordance with 47 CFR Part 15 section 15.209 and 15.223 with the EUT operating in continuous transmit mode on 8.2 MHz, are depicted in table 2b.

Notes:

- 1. Calculated measurement results are obtained by using the 40dB/decade factor (antenna factor and cable loss is included). i.e at 7.48 8.74 MHz: 57.9dBuv + 19.5dB + 1dB 40dB= 38.4 dBuV/m.
- 2. A Peak detector was used during testing.
- 3. A resolution bandwidth of 9kHz was used during testing
- 4. n.i. Indicates that no field strength values could be measured on the listed frequencies or in the listed frequency range. N.m. means not measured.
- 5. Field strength values of radiated emissions at frequencies not listed in table 2b are more than 20 dB below the applicable limit
- 6. The loop antenna was varied in horizontal and vertical orientations and also around it's axis. The reported value is the worst case found at the reported frequency.
- 7. The EUT was tested in both normal mode (i.e. without a tag in its proximity) and in activated mode (i.e. with a tag in its proximity).
- 8. The EUT was tested with all options installed but with only one communication option at the time, so or a LAN or a GSM or a PSTN unit installed. Hardly any change in values noted between the options, worst case noted.
- 9. Measurement uncertainty is $\pm 5.0 dB$

Test engineer

Signature

Name : R. van der Meer Date : May 05, 2009

Project number : 09042004.fcc01_Rev01 Page 14 of 19



scription of EÙT: Anti-Pilferage Device Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

4 Carrier stability under special conditions.

4.1 Frequency stability (on 8.2 MHz) in accordance with 47 CFR Part 15, section 15.31:

- 1) The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency over a temperature variation of -20 °C to +50 °C at normal supply voltage (see table 3).
- 2) Variation in temperature is not a requirement, tested for information only.
- 3) EUT generates a swept frequency of which the 20dB bandwidth is given in the tables below and the plot showing the emission is given in Plot 1 on the next page.

Stability under special conditions Temperature (°C)	Measured frequency (MHz)	Frequency deviation (limit: N.A.) (%)	PASS/FAIL
20.0	7.414 – 8.818 (reference)	N.A.	N.A.
-20.0	7.414 – 8.818	0.00	N.A.
50.0	7.414 – 8.818	0.00	N.A.

Table 3.

4.1.1 At 85% and 115% of rated voltage supply level

The frequency tolerance of the carrier signal shall be maintained within \pm 0.01% of the operating frequency at 85% and at 115% of the rated power supply voltage at \pm 20 °C environmental temperature. The results are stated in Table 4.

Stability under special conditions % variation U	Measured frequency (MHz)	Frequency deviation (limit <u>+</u> 0.01%) (%)	PASS/FAIL
100.0	7.414 – 8.818	N.A.	N.A.
	(reference)		
85.0	7.414 – 8.818	0.00	PASS
115.0	7.414 – 8.818	0.00	PASS

Table 4

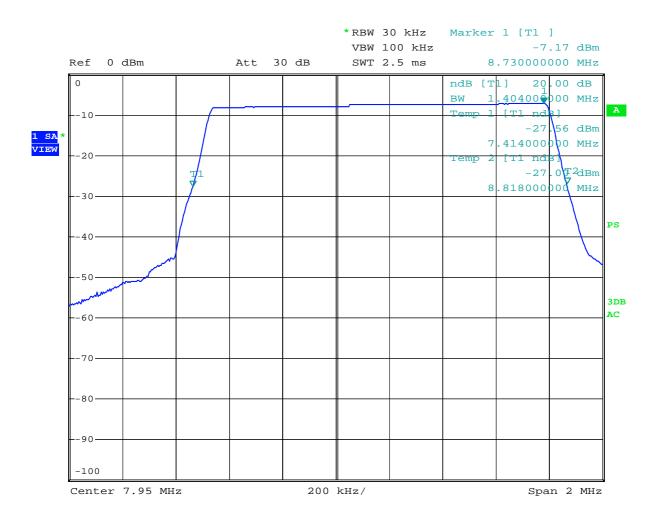
Project number : 09042004.fcc01_Rev01 Page 15 of 19



Test specification(s): FCC Part 15 Description of EUT:

Anti-Pilferage Device Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap Model: **FLEU**Reas FCC ID: **CGDFLEUREAS**



Date: 7.MAY.2009 13:53:19

Plot 1: 20 dB Bandwidth of the EUT

Project number: 09042004.fcc01_Rev01 Page 16 of 19



Test specification(s): FCC Part 15 Description of EUT:

Anti-Pilferage Device Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap Model: **FLEU**Reas

FCC ID: **CGDFLEUREAS**

Conducted emission data. 5

5.1 Conducted emission data of the EUT

Frequency (MHz)	Measurement results Measurement results $dB(\mu V)$ $dB(\mu V)$ D		Limits dB(μV)		Result		
(QP	AV	QP	AV	QP	AV	
0.202	48	37	48	37	63.6	53.6	PASS
0.338	33	26	35	24	59.2	49.2	PASS
4.45	33	30	31	28	56	46	PASS
5.53	35	32	35	32	60	50	PASS
8.56	44	33	46	34	60	50	PASS
9.846	50	45	50	45	60	50	PASS
10.182	52	46	52	45	60	50	PASS
10.45	50	44	50	44	60	50	PASS

Table 5 Conducted emission measurements.

The results of the conducted emission tests in the range of 150 kHz up to 30 MHz, carried out in accordance with 47 CFR Part 15 section 15.207, at the 115 Volts AC mains connection terminals of the AC/DC power supply which was connected to the EUT, are depicted in table 5. The EUT was tested in both passive and active mode (while detecting a card). Maximum values recorded. The system is tested as in whole, so with all equipment as shown in Figure.1 in place and functioning. Being the worst case situation.

Notes:

- 1. Measurement uncertainty is ±3.5dB
- 2. The resolution bandwidth used was 9 kHz.
- 3. Values of conducted emissions at frequencies not listed in table 5 are more than 20 dB below the applicable limit.
- 4. The EUT was tested with all options installed but with only one communication option at the time, so or a LAN or a GSM or a PSTN unit installed. Hardly any change in values noted between the options, worst case noted.

Test engineer

Signature

Name : R. van der Meer

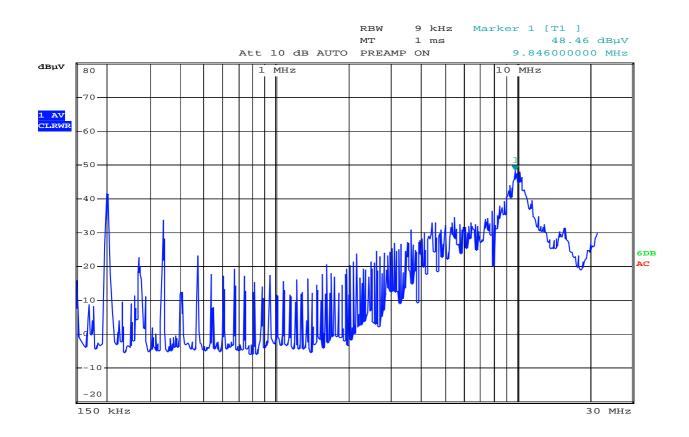
Date : May 08, 2009

Project number: 09042004.fcc01_Rev01 Page 17 of 19



N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap Model: **FLEU**Reas FCC ID: **CGDFLEUREAS**



Date: 8.MAY.2009 14:59:16

Plot 2: Graphical presentation of the conducted emissions

Project number: 09042004.fcc01_Rev01 Page 18 of 19



Description of EUT: Anti-Pilferage Device
Manufacturer: N.V. Nederlandsche Apparatenfabriek "Nedap"

Brand mark: Nedap
Model: FLEUReas
FCC ID: CGDFLEUREAS

6 List of utilized test equipment.

Inventory number	Description	Brand	Model	Last cal.	Next cal.
12503	LISN	R&S	ESH2-Z5	01/2008	01/2010
12512	LISN	EMCO	3625/2	01/2008	01/2010
12640	Temperature chamber	Heraeus	VEM03/500	01/2009	01/2010
15633	Biconilog Testantenna	Chase	CBL 6111B	02/2009	02/2010
99069	Coax 5m RG213 OATS	NMi Certin B.V.	KABEL 5M OATS	11/2008	11/2009
99070	Coax 15m RG213 OATS	NMi Certin B.V.	KABEL 15M OATS	11/2008	11/2009
99071	Coax OATS ground	NMi Certin B.V.	KABEL GROND OATS	11/2008	11/2009
99092	Cable Spurious Setup AR		Cable A	10/2008	10/2009
99107	Controller OATS	Heinrich Deisel	4630-100	NA	NA
99161	Variac 250V 6A	RFT	LTS006	NA	NA
99318	Digital multimeter	HP	34401A	10/2008	10/2009
99547	Temperature-Humiditymeter	Europe supplies	WS-7082	10/2008	10/2009
99580	OATS	Comtest	FCC listed: 90828	08/2008	08/2011
99608	Controller (OATS)	EMCS	DOC202	NA	NA
99609	Antenna mast	EMCS	AP-4702C	NA	NA
99613	Temperature-Humiditymeter	Europe supplies	WS-7082	10/2008	10/2009
99651	Variac	NA	Vast Activa: 08-9510	NA	NA
99667	Laptop	DELL	Latitude	NA	NA
99683	Loop antenna, 6cm	NA	7405-901	9/2008	9/2009
99699	Measuring receiver	R&S	ESCI	11/2008	11/2009

NA= Not Applicable

Project number : 09042004.fcc01_Rev01 Page 19 of 19