

Dave

I have uploaded the new test report from DELTA. The project number of the new test report is K222371-6. The new test report replaces the test report K222371-2 previously uploaded to your server. Please delete the k222371-2 report.

Hakan Lohmander

-----Original Message-----

From: David Case [mailto:dcase718@earthlink.net]
Sent: den 1 mars 2002 01:01
To: dcase@AmericanTCB.com; Vagn Sylvest
Cc: Håkan Lohmander
Subject: RE: The PBKMS010040 application - Miranda

Dear Sir

Photos look fine - will issue grant when updated report is received

Dave C

----- Original Message -----

From: Vagn Sylvest

To: dcase718@earthlink.net; dcase@AmericanTCB.com

Cc: hl@precisebiometrics.com

Sent: 2/27/2002 12:06:51 PM

Subject: The PBKMS010040 application - Miranda

Hello Dave

We have made two new tests on the BioAccess

Test set-up photos are attached

We intend to issue a new report including the new measurements

The radiated fields below 30 MHz are measured as seen on the photo. This should be in compliance with good engineering practice, when measuring magnetic fields. 30 m distance. Loop centre at 1 m elevation.

Conducted emission set-up is very close to the ANSI referenced figure. The unit is powered from an AC/AC converter. The AC low voltage wire is low impedance folded to 80 cm. Distance to vertical plane is 40 cm. Table has a height of 80 cm.

On the MIRANDA in card position is mounted a shorted loop which causes a high loading of the magnetic field. This will cause highest load on the drivers and at the same time reduce the radiated fields which might radiate back into the power wiring.

Please comment on the two measurements before we integrate them into the new report

Best regards

Vagn

Vagn Sylvest

Project Manager, EMC

DELTA

Venlighedsvej 4, DK-2970 Hørsholm

Direct tel. +45 72 19 42 06

Tel. +45 72 19 40 00, fax +45 72 19 40 01

e-mail: vs@delta.dk

Information: www.delta.dk/emc

--- David Case

--- dcase718@earthlink.net

--- EarthLink: It's your Internet.

Please note that the attached document "FCC Answer below 30 MHz.doc"

on the mail you send me could open in Word, but did not format as a word document but only as a huge amount of what appears as random letters.

I have attached the word document again to this reply

Could you please check and retransmit?

Regards

Vagn

Vagn Sylvest
Project Manager, EMC
DELTA
Venlighedsvej 4, DK-2970 Hørsholm
Direct tel. +45 72 19 42 06
Tel. +45 72 19 40 00, fax +45 72 19 40 01
e-mail: vs@delta.dk
Information: www.delta.dk/emc

>>> "David Case" <dcase718@earthlink.net> 01-03-02 01:04 >>>

Dear Sir

Please see attached

David C

----- Original Message -----

From: H?kan
Lohmander

To: dcase@AmericanTCB.com ;dcase718@earthlink.net
Cc: Vagn Sylvest \|(E-mail\|)

Sent: 2/27/2002 10:57:46 AM

Subject: The PBKMS010040 application

Dave

Our test engineer at the DELTA test lab will contact you regarding your questions below.

1) Upon reviewing the test report and set up photos, the systems appears to

have been tested with an active rod antenna below 30 MHz. This is not in

compliance with the FCC rules. Systems tested below 30 MHz require the use

of a loop antenna. Please provide data using a loop antenna.

2) One further question, on further examination of your set up photos, the

line conducted test set up appears to not be per ANSI C63.4 requirements.

Please verify that the test was set up per ANSI C 63.4 line conducted requirements.

Regards

Hakan Lohmander

Hakan Lohmander, Ph. D.

Project Manager, R D

Precise Biometrics AB

Dag Hammarskjolds vag 2

SE-224 64 Lund

Sweden

Phone: +46 - 46 31 11 37, Fax: +46 - 46 31 11 01

Homepage: <http://www.precisebiometrics.com/>

--- David Case

--- dcase718@earthlink.net

--- EarthLink: It's your Internet.

Hi Dave

I would like to add the following statement to our manual to explain exactly which FCC rules we have been certified to:

"This device has been certified to the Class B digital device requirements as specified in the FCC rules and regulations (CFR47 Part 15 Subpart B). This device has also been certified to the FCC rules and regulations (CFR47 Part 15 Subpart C) for the low power transmitter contained within it."

Any comments on this?

Regards
Hakan Lohamander

-----Original Message-----

From: David Case [mailto:dcase718@earthlink.net]

Sent: den 23 februari 2002 01:15

To: Håkan Lohamander

Subject: RE: FCC Statements for the Precise Miranda Transceiver

The FCC statements that you have listed in the email below meet the requirements

----- Original Message -----

From: [Hakan Lohmander](mailto:Hakan.Lohmander@precisebiometrics.com)

To: dcase718@earthlink.net

Cc: [Bill Graff](mailto:Bill.Graff@precisebiometrics.com) \(\langle\)E-mail\rangle

Sent: 2/22/2002 4:42:02 AM

Subject: RE: FCC Statements for the Precise Miranda Transceiver

David

I have forwarded your question regarding the line conducted test to the test laboratory performing the test.

Regarding the questions about the FCC statements earlier in this e-mail correspondence (see below), could you please advice me how I should go about.

Regards
Hakan

Hakan Lohmander, Ph. D.
Project Manager, R&D
Precise Biometrics AB
Dag Hammarskjölds väg 2
SE-224 64 Lund
Sweden

Phone: +46 - 46 31 11 37, Fax: +46 - 46 31 11 01
Homepage: <http://www.precisebiometrics.com/>

-----Original Message-----

From: David Case [mailto:dcase718@earthlink.net]

Sent: den 22 februari 2002 03:58

To: Håkan Lohmander

Cc: Bill Graff

Subject: RE: FCC Statements for the Precise Miranda Transceiver

Dear Sir,

One further question, on further examination of your set up photos , the line conducted test set up appears to not be per ANSI C63.4 requirements. Please verify that the test was set up per ANSI C 63.4 line conducted requirements

Regards

David Case NCE

----- Original Message -----

From: [H?kan Lohmander](mailto:H?kan.Lohmander)

To: dcase@AmericanTCB.com

Sent: 2/21/2002 12:52:21 PM

Subject: FCC Statements for the Precise Miranda Transceiver

Hello David,

I have a question concerning the FCC statements. I have studied the PART 15

rules now and found three statements (Please let me know if there is any FCC statement I have missed):

- 1) The Warning statement
- 2) The Unauthorized modification statement, paragraph 15.21 (Will be added)
- 3) The paragraph 15.105(b) statement (Will be added)

The paragraph 15.105(b) statement is very long. Is it possible to put all

the FCC statements in a separate leaflet (or similar) that is delivered together with the product in addition to the User Instructions?

Best Regards

Hakan

Håkan Lohmander, Ph. D.

Project Manager, R&D

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SE-224 64 Lund

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Phone: +46 - 46 31 11 37, Fax: +46 - 46 31 11 01

Homepage: <http://www.precisebiometrics.com/>

--- David Case

--- dcase718@earthlink.net

--- EarthLink: It's your Internet.

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David

I have uploaded an official reply to your comment regarding the FCC statements included in the manual. File name on your site is "Additional FCC Statements Miranda.pdf".

Regards
Hakan

-----Original Message-----

From: David Case [mailto:dcase718@earthlink.net]

Sent: den 23 februari 2002 01:15

To: Håkan Lohmander

Subject: RE: FCC Statements for the Precise Miranda Transceiver

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----- Original Message -----

From: Hakan.Lohmander@precisebiometrics.com

To: dcase718@earthlink.net

Cc: Bill.Graff\@E-mail

Sent: 2/22/2002 4:42:02 AM

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