

Lucy Tsai

From:
Sent: Sunday, December 16, 2007 9:31 PM
To: Lucy Tsai
Cc:
Subject: RE: U-ways (RFID Smart Device) , FCC ID: VHFNARU-RFID-0001, Assessment NO.: AN07T7408, Notice#1
Attachments: photo of ANT#2.JPG; photo of ANT#3.JPG; photo of ANT#1.JPG; Naru_rfid_0001 Test Report_Rev.3.pdf
Importance: High

Dear Lucy,

I'm sorry for making you get into trouble.
I must have misunderstood type of antenna. The type of antenna isn't BNC but special type.
Pls. refer to the attached file(p. And I revised the test report on page 39.

Best regards

도근억

Wireless Division

From: Lucy Tsai [mailto:lucy.tsai@ccsemc.com]
Sent: Monday, December 17, 2007 1:04 PM
To:
Cc:
Subject: RE: U-ways (RFID Smart Device) , FCC ID: VHFNARU-RFID-0001, Assessment NO.: AN07T7408, Notice#1

Dear Geoffrey,

Sorry that I think I don't state the question of RF cable very clearly that causing the client to re-do the measurement.
As you know that the antenna and RF cable are detachable and the antenna connector type is standard BNC connector, and per FCC 15.203, the cable loss of the RF cable shall be controlled.
So please just check the client for the value of cable loss, thank you.

Best Regards,

Lucy

From:
Sent: Sunday, December 16, 2007 6:36 PM
To: Lucy Tsai
Cc:
Subject: RE: U-ways (RFID Smart Device) , FCC ID: VHFNARU-RFID-0001, Assessment NO.: AN07T7408, Notice#1
Importance: High

Dear Lucy,

Thanks for your reply.
Replies are embedded below your question.

Best Regards

도근억

Wireless Division

From: Lucy Tsai [mailto:lucy.tsai@ccsemc.com]
Sent: Wednesday, December 12, 2007 2:56 PM
To:
Cc:
Subject: RE: U-ways (RFID Smart Device) , FCC ID: VHFNARU-RFID-0001, Assessment NO.: AN07T7408, Notice#1

Dear Geoffrey,

Thank you for reply but regarding Q#3 and Q#4, there still has some questions need to be addressed.
Regarding Q#3, the cable loss I asked is the RF cable shown in page 8 of user manual and in the test setup photos. It's about 3m long.

Since the antenna connector is BNC standard type antenna that to comply with 15.203, the cable loss of this RF cable shall be clearly specified.

So please check the customer again and if possible, please specify it into the page 8 of user manual.

[Geoffrey]

1. Manufacture measure the antenna gain again at your request and the antenna gain is included for cable loss of RF ANT.
Therefore, The antenna value has been changed. Pls. refer to the following table

	Before	After
ANT Gain	5.57 dBi	5.23 dBi

2. RF cable is 3m long. As you know, manufacture is used several ferrite cores on the antenna cable. And the antenna cable length seems to be a little too short.

3. I revised test report on page 3, 39 & 41

For Q#4, the RF exposure information are not enough. Per 2.1091, 20cm save distance from antenna to the user must be maintained. Please revise again.

[Geoffrey]

I revised manual on page 4. pls. check.

Best Regards,
Lucy

From:
Sent: Tuesday, December 11, 2007 7:01 PM
To: Lucy Tsai
Cc:
Subject: RE: U-ways (RFID Smart Device) , FCC ID: VHFNARU-RFID-0001, Assessment NO.: AN07T7408, Notice#1
Importance: High

Dear Lucy,

Thanks for your reply.
Replies are embedded below your question.

Best Regards

도근억

Wireless Division

From: Lucy Tsai [mailto:lucy.tsai@ccsemc.com]
Sent: Friday, December 07, 2007 4:24 AM

To:
Subject: FW: U-ways (RFID Smart Device) , FCC ID: VHFNARU-RFID-0001, Assessment NO.: AN07T7408, Notice#1

Dear Geoffrey,

Please address following issues.

Q#1: Per Part2.926, the equipment product code assigned by the grantee shall consist of a series of Arabic numerals, capital letters or a combination thereof, and may include the dash or hyphen (-). The total of Arabic numerals, including grantee code, capital letters and dashes or hyphens shall not exceed 17. However, per the label format and other exhibits, the total Arabic numerals are 18 and small letter are also used. Please have a check and revise all related exhibits.

[Geoffrey] I have a mistake. Let's make a summary.

1. FCC ID is **VUF-NARU-RFID0001**. "VHFNARU-RFID-0001" is wrong FCC ID. Pls. check.
2. I'll upload several documents via ccs website. Because I wrote down the wrong FCC ID

Upload several documents after 10 minute.

- 1) test report
- 2) setup photo
- 3) RF Exposure
- 4) Internal photo
- 5) FCC ID label
- 6) External photo
- 7) Confidentiality letter.
- 8) ANT Specification
- 9) Manual
- 10) Confirm E-mail(add core)

Q#2: Please remove the FCC DOC logo from the label if this device is classified as Class A device. Besides, page 16 of the user manual has illustrated another FCC ID label which is different from the label format exhibit Please consist with each other.

[Geoffrey] same as No.1

Q#3: Please provide antenna specification and the cable loss of RF cable.

[Geoffrey] same as No.1

Q#4: Per Part 2.1091 RF exposure requirement, the proper RF exposure warning statement is required to be indicated in the user manual. Please address.

[Geoffrey] same as No.1

Q#5: Per the test setup photo and EUT internal photos, several ferrite cores are added for suppressing the emission. Please confirm these modifications have been approved by the applicant and revise page 3 of test report as well.

[Geoffrey] same as No.1

Q#6: Please go over page 15-16 of test report and make sure the limit used agrees with measured mode. For example, the limit shown for 2707.80 MHz in average detected mode is 54dBuV/m.

[Geoffrey] same as No.1.

Best Regards,
Lucy