

## Chris Harvey

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**From:** vicky.liu [vicky.liu@tw.ccsemc.com]  
**Sent:** Tuesday, July 10, 2007 10:01 PM  
**To:** charvey-tcb@ccsemc.com  
**Cc:** application@tw.ccsemc.com  
**Subject:** Alpha Networks Inc., FCC ID: RRK-AWLL6080, Assessment NO.: AN07T6983, Notice#1  
**Attachments:** AWLL6080\_User Manual(960711).pdf; AWLL6080\_Test Plots(960711).pdf

Dear Charvey,

Thank you for your reply and my answer is as belowing.

1. Please indicate whether this MIMO device operates as

- a. A 2x2 Spatial Multiplexed MIMO
- b. that drives each antenna incoherently
- c. and whether the unit uses Cyclic Diversity.

Ans: a. You can find that the Ralink is a 2T3R device in page 1 of 2860 datasheet. The device supports 2 spatial streams .

- b. Yes
- c. Ralink chipset doesn't support Cyclic Diversity in 11b&g .

The answer is the same the AR680W ([RRK-AR680W;AN07T6875](#))which you have already reviewed before.

2. The Users Manual does not contain any RF Exposure statements required by FCC 15.247. This device is a USB Dongle that is categorized as a Portable RF Exposure condition device. Please provide a revised Users Manual RF exposure statement to address the portable nature of this device.

The following is a possible example of another approved CardBus MIMO Users Manual RF Exposure statement:

"FCC Statement:

This device has been tested for compliance with FCC RF Exposure (SAR) limits in the typical laptop computer configuration and this device can be used in desktop or laptop computers with side mounted USB ports which can provide 2 cm separation distance from the antenna to the body of the user or a nearby person. This device cannot be used with handheld PDAs (personal digital assistants). This device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter."

Ans: Please find the attachment which is the user manual.

3. The SAR test report has photographs of a model DWA-140, which appears to be a different device. The SAR test photos and test plots are for the model DWA-140 USB device. Please confirm if these are incorrect photos and plots (and data) and update the SAR test report and plots exhibits as needed.

Ans: Please find the attachment which is the test plot.

**Vicky Liu 劉淑芳**

**Certification Dept.**



**Compliance Certification Services Inc.**  
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----- 轉呈者 vicky.liu/ccsemc 於 2007/07/06 09:57 AM -----

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收件人 : <application@tw.ccsemc.com>

2007/07/06 02:20 AM

副本抄送 : <charvey-tcb@ccsemc.com>

主旨 : Alpha Networks Inc., FCC ID: RRK-AWLL6080, Assessment NO.: AN07T6983, Notice#1

Dear Vicky Liu,

You are listed as the Technical Contact for the above referenced TCB application. The following item(s) need(s) to be resolved before the review can be continued:

1. Please indicate whether this MIMO device operates as
  - a. A 2x2 Spatial Multiplexed MIMO
  - b. that drives each antenna incoherently
  - c. and whether the unit uses Cyclic Diversity.
2. The Users Manual does not contain any RF Exposure statements required by FCC 15.247. This device is a USB Dongle that is categorized as a Portable RF Exposure condition device. Please provide a revised Users Manual RF exposure statement to address the portable nature of this device.

The following is a possible example of another approved CardBus MIMO Users Manual RF Exposure statement:

"FCC Statement:

This device has been tested for compliance with FCC RF Exposure (SAR) limits in the typical laptop computer configuration and this device can be used in desktop or laptop computers with side mounted USB ports which can provide 2 cm separation distance from the antenna to the body of the user or a nearby person. This device cannot be used with handheld PDAs (personal digital assistants). This device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter."

3. The SAR test report has photographs of a model DWA-140, which appears to be a different device. The SAR test photos and test plots are for the model DWA-140 USB device. Please confirm if these are incorrect photos and plots (and data) and update the SAR test report and plots exhibits as needed.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

Best regards,

Chris Harvey  
Charvey-tcb@ccsemc.com

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