

## Chris Harvey

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**From:** vicky.liu [vicky.liu@tw.ccsemc.com]  
**Sent:** Sunday, July 08, 2007 10:15 PM  
**To:** charveyemc@verizon.net; charvey-tcb@ccsemc.com  
**Cc:** application@tw.ccsemc.com  
**Subject:** RE: Alpha Networks Inc., FCC ID: RRK-AWLC6080, Assessment NO.: AN07T6979, Notice#1  
**Attachments:** AWLC6080\_Test Plot(960709).pdf; AWLC6080\_SF Rev.(960709).pdf

Dear Charveyemc,

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

Q1. Please indicate whether this MIMO device operates as  
 a. A 2x3 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.

Q3. The SAR test report has photographs of a model DWA-645, which appears to be a different device. The SAR test plots include plots for the model DWA-645 WLAN and USB device. Please confirm if these are incorrect photos and plots and update the SAR test report and plots exhibits as needed.

Ans: Please find the attachment which I have already revised. In the SAR report page 19 & 20 is compares distance between phantom and EUT(DWA-645([KA2WA645B1;AN07T6680](#)) & AWLC-6080).

Vicky Liu 劉淑芳

Certification Dept.




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 Tel: 886-3-5910068 EXT: 504  
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----- 轉呈者 vicky.liu/ccsemc 於 2007/07/09 09:11 AM -----

"Chris Harvey"

<charveyemc@verizon.net>

收件人: "vicky.liu" <vicky.liu@tw.ccsemc.com>

副本抄送:

2007/07/06 05:50 PM

主旨: RE: Alpha Networks Inc., FCC ID: RRK-AWLC6080, Assessment NO.: AN07T6979, Notice#1

Vicky, thank you for the reply. I see that the manual you have attached does not have the 20cm statement. I have attached the originally submitted manual, which has the 20cm statement on page 34 of 36.

I will await your reply to all the questions.

Best regards,

Chris Harvey

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**From:** vicky.liu [mailto:vicky.liu@tw.ccsemc.com]

**Sent:** Friday, July 06, 2007 2:40 AM

**To:** charvey-tcb@ccsemc.com

**Subject:** Alpha Networks Inc., FCC ID: RRK-AWLC6080, Assessment NO.: AN07T6979, Notice#1

Dear Charvey,

Thank you for your rapidly reply. But I am confused about the Q2, I can not find the the ststatement "This equipment should be installed and operated with minimum distance 20cm between the radiator & your body." Could you tell me where can I find it on page ??

7/10/2007

PS..This device has already get FCC cert on KA2WA645B1, but changed outlook. The assemble number is AN07T6680.

2. The Users Manual contains the following RF Exposure statement:

"This equipment should be installed and operated with minimum distance 20cm between the radiator & your body."

This device is a CardBus card that is categorized as a Portable RF Exposure condition device. The 20cm separation statement is not appropriate. 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 RF Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment, and users must follow specific operating instructions for satisfying RF exposure compliance. This transmitter must not be collocated or operating in conjunction with any other transmitter or antenna. This equipment has been SAR - evaluated and is authorized for use in laptop and notebook computers.

Vicky Liu 劉淑芳

Certification Dept.



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----- 轉呈者 vicky.liu/ccsemc 於 2007/07/06 09:57 AM -----

<charvey-tcb@ccsemc.com>

收件人 : <application@tw.ccsemc.com>

2007/07/05 11:05 PM

副本抄送 : <charvey-tcb@ccsemc.com>

主旨 : Alpha Networks Inc., FCC ID: RRK-AWLC6080, Assessment NO.: AN07T6979, 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 2x3 Spatial Multiplexed MIMO
  - b. that drives each antenna incoherently
  - c. and whether the unit uses Cyclic Diversity.

7/10/2007

2. The Users Manual contains the following RF Exposure statement:

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3. The SAR test report has photographs of a model DWA-645, which appears to be a different device. The SAR test plots include plots for the model DWA-645 WLAN and USB device. Please confirm if these are incorrect photos and plots 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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