

## Mike Kuo

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**From:** Claire Hoque  
**Sent:** November19日2003年Wednesday 2:08 PM  
**To:** Mike Kuo  
**Cc:** Michael Heckrotte  
**Subject:** RE: CISCO System FCC ID:LDK102051, AN03T3393 ( UNII )

Hi Mike,

Pls see the answers as follows.

Question #1: Page 1-3 of user manual indicates the antenna gain for this device is 2 dBi gain which does not agree with EMC test report and antenna specification sheet. Please explain and make necessary correction.

<Ambit>Please the attached user's manual for LDK102051 modified.

Please note that P159 mentioned:

"The above range numbers assume that the client adapter is being used with a Cisco Aironet 1200 Series Access Point with a 2.2-dBi antenna. Different range characteristics are likely when using the client adapter with a non-Cisco access point or a Cisco Aironet 1200 Series Access Point with a different antenna."

Due to that only mentioned the range test data is done at this condition, and it did mentioned different antenna may has different result.

So we cannot change this part.

Hope this time this user's manual can be acceptable.



User  
\\manual(updated).pd

Question #2: Per the information provided in the user manual, the antenna will be permanently affixed on the PCI card. Please provide detail description on the mounting mechanism to ensure the antenna and its cable will not be removed by the user and to comply with section 15.407(d) integral antenna requirement in 5.15-5.25GHz band.

<Ambit>The male MMCX connector with the antenna cable is snapped on to the female MMCX connector of PCI card and there is a metal cover permentantly soldered on top of the MMCX connector set and the cable goes through the hole of this cover. Please refer to the attached drawing.

(See attached file: ANT\_PCI-02-0521.pdf)



ANT\_PCI-02-0521.  
pdf

Question #3: Please provide technical information to address section 15.407(C).

<Ambit/Atheros> pls see the attached technical info. sheet to address 15.407(C),  
PCI is very similar to Cardbus, we use same chipset for PCI and Cardbus,  
the only different thing is the physical interface, form factor and  
antenna. The operation technology of the major protocol are totally identical.  
Since CB32 is the one we used for KittyHawk Cardbus co-submission,  
so this document of CB32 should be able to apply on the PCI as well.



CB32 updated Tech  
Descr.pdf

Thanks,

Claire