

## Mike Kuo

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**From:** S. S. Liou ]  
**Sent:** November 17 日 2003 年 Monday 9:50 PM  
**To:** Mike Kuo  
**Subject:** Re: K-Best Technology Inc., FCC ID:QZGKBW2458-001, AN03T3213



Revised Users  
Manual.pdf



Theory of  
Operation.PDF



Schematics of  
AP.pdf



Internal photos of  
AP.pdf



Users Manual of  
AP.pdf



Exhibit-A-Block\_Dia  
gram\_revise...



Exhibit-C-Test\_Rep  
ort\_revised....

Hi Mike,

Ans. #1: please refer to revised user manual page 13.  
Ans. #2: please refer to revised user manual page 3.  
Ans. #3: please refer to theory of operation and revised block diagram.  
Ans. #4: female N type connector.  
Ans. #5: please refer to schematic diagram, internal photo and user manual of AP.  
Ans. #6: TDD technology used. Please refer to revised user manual page 5.  
Ans. #7: data rate is the same as input 2.4GHz signal. Output power is 200mW max.  
Ans. #8: please refer to revised user manual, the inadequate description is removed.  
Ans. #9: the input power from AP is 13dBm. The acceptable input power ranges from 3 to 13 dBm. Please refer to revised user manual page 7.  
Ans. #10 - 12: please refer to revised test report. There are some typing mistakes in the former test report.  
Ans. #13: please refer to revised user manual page 3.

Best regards,

=====  
S. S. Liou  
Engineer / EMC Dep. II  
ETC

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

From: "Mike Kuo" <MKUO@CCSEMC.com>  
To: "Will Yauo (E-mail)" "ETC/Iris (E-mail)"  
<>  
Sent: Wednesday, September 24, 2003 3:28 PM  
Subject: FW: K-Best Technology Inc., FCC ID:QZGKBW2458-001, AN03T3213

> Hi Will: Another K-Best application AN03T3214 has same type of questions.  
> Please consider the questions posted for AN03T3213 apply to AN03T3214  
>  
> -----Original Message-----  
> From: CERTADM  
> Sent: Wednesday, September 17, 2003 12:15 PM  
> To: 'mkuo@ccsemc.com'  
> Subject: K-Best Technology Inc., FCC ID:QZGKBW2458-001, AN03T3213  
>  
>  
> Notice\_content  
> -----  
> Question #1: Please provide antenna specification for all the antennas  
> that  
> are intended to be used with this device. Information shall include but  
> not limit to : Manufacturer name, model no/name, type of antenna ( dipole  
> ,  
> panel etc. ), type of operation ( PTP or PTM ), antenna gain, and the  
> cable  
> length requirements.  
>

> Question #2: Per section 15.204(a) of FCC rules, external radio frequency power amplifier can not be sold as stand alone unit to be used with unlicensed transmitter. 15.204(b) indicates that external radio frequency power amplifier can only be sold as complete system. As indicated in the test report, this device was tested with FCC ID:IOU0660S02 access point. This is the only information which disclose the type of access point will be used with this device. In the user manual, there is no place indicate how the applicant can comply 15.204(b) requirement. Please provide marketing statement, revise user manual to provide additional information to address 15.204(b) requirements.

>

> Question #3: The information contains in the operational description do not provide any technical information to explain how the output power of device will be limited to 200mW and the frequency conversion process. Please provide detail theory of operation to explain the entire system.

>

> Question #4: Please provide the antenna connector type used on the device.

>

> Question #5: Please provide schematic diagram, internal photo and theory of operation of Access point.

>

> Question #6: What type of modulation during 5GHz operation ?

>

> Question #7: What is the data rate during 5GHz operation and the high output power in each data rate.

>

> Question #8: As indicate in page 4 of user manual, this converter can be used for Wireless Local Loop, WLAN and Wireless Internet Access as well. Please provide technical information to explain the type of device will be connected to this converter for all above services.

>

> Question #9: What is the input power from Access Point to the convert during the RF conducted and Radiated emission tests ?

>

> Question #10: Page 20 - 22 radiated emission tests in restricted band: there are many identical frequency with identical field strength with different antenna. Please explain why the antenna gain and pattern are different but measured with nearly identical field strength .

>

> Question #11: Page 23-25 radiated data below 1GHz demonstrated same questions as Question #10. Please explain.

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> Question #12: RF conducted spurious emission was measured with RBW=1MHz. Per FCC guideline in measuring DTS device, RF conducted spurious emission shall be measured with RBW=100kHz. Please redo the measurement and provide additional test data.

>

> Question #13: User Manual does not include RF exposure information. Please provide revised user manual.

>

> Best Regards

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> Mike Kuo

> 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.

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> Any questions about the content of this correspondence should be

> directed to the e-mail address listed below the name of the sender.