

Helen Zhao

Subject: FW: Bluebird Soft Inc., FCC ID: SS4BIP5X00, Assessment NO.: AN05T5232, Notice#2



WLAN_ANT.xls



OP_WLAN
Module.pdf

From: Y.G. Gwon
Sent: Tuesday, November 1, 2005 3:53 AM
To: Helen Zhao
Subject: Re: Bluebird Soft Inc., FCC ID: SS4BIP5X00, Assessment NO.: AN05T5232, Notice#2

Dear Helen,

This mail is covering your kind comments for WLAN portion of above subject project and I would like to answer your questions as following.

1. The correct antenna gain is -0.74dBi. Enclosed please find a file for antenna specification.
2. Enclosed please find a file for operational description.
3. Regarding your questions number, #3, #4, #5, #6, #7. and #8, attached please find a file, which was I already sent to you my previous email for clearing your comments for DSS portion.
4. Regarding your questions #6, The device does not operate at the body-worn condition.
5. Regarding your questions #9, please refer to the market statement.

Best regards,
Y. G. Gwon

> -----Original Message-----

> From: Compliance Certification Services [mailto:helen.zhao@ccsemc.com]
> Sent: Thursday, October 20, 2005 4:38 PM
> Subject: Bluebird Soft Inc., FCC ID: SS4BIP50X0, Assessment NO.:
> AN05T5232, Notice#2

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> This application is for WLAN portion under equipment class of DTS:
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> Question #1: Please submit Antenna Specification for -4dBi antenna.
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> Question #2: Please provide Operational Description for WLAN.
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> Question #3: Test report - Please check calibration date, a lot of equipment past due of calibration when the test was done. For example, on page 20, it shows equipment is due on June 10, 2005, and test was performed on July 7, 2005.
>
> Question #4: Test Report Section 7.3.6.1.1 & Section 10.6.1 Restrict bandedge test - Please note 2398.75 does not fall into restrict band: 2310-2390MHz. For restricted bandedge testing, in future, please provide plots instead of tabular data.
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> Question #5: Test Report Section 7.3.6.1.2 & Section 10.6.2 Spurious &

harmonic test - Please check if 4284.05MHz is a typo, is it 4824.05MHz instead?

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> Question #6: Test Report Section 9 RF exposure - If you look at the power of WLAN, it's 47.86mW, which is over 24.62mW, the low threshold on TCB exclusion list. However SAR is not required since devices limited to handheld operation only is not subject to SAR testing, as hand SAR limit is much higher. The user manual indicates leather case is on accessory list, which may enable body-worn operation. If this is the case, SAR test is required. Please confirm.

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> Question #7: Test Report Section 11- Radiated emission test - Please note based on 15.209, all the transmitter devices need to meet 15.209, regardless the host device is a Class A or Class B device. If you look at the limit specified in 15.209, it's the same as 15.109 Class B limit. So please update the report.

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> Question #8: Test Report Section 12- Conducted emission test - Please note based on 15.207, all the transmitter devices need to meet 15.207, regardless the host device is a Class A or Class B device. If you look at the limit specified in 15.207, it's the same as 15.107 Class B limit. So please update the report.

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> Question #9: Both Block Diagram and schematics show this device is using CDMA technology for voice communication. CDMA and WLAN share the same antenna. If it is true, the CDMA portion needs to be evaluated under the same FCC ID.

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> Best Regards,

> Helen Zhao

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> 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.