

Chris Harvey

From: Claire Hoque [claire.hoque@ccsemc.com]
Sent: Tuesday, December 19, 2006 3:30 PM
To: Chris Harvey; Chris Harvey -TCB
Cc: Michael Heckrotte; Thu Chan; Neena Jain
Subject: answer: Proxim Wireless Corporation, FCC ID: HZB-4954R, Assessment NO.: AN06T6371, Notice#1

Attachments: CCS authorization.pdf; usi_mb42_schematic(RF).pdf; 4954R Ampifer Description(revised).pdf; BOM.zip; 06U10652-1B FCC 90Y Report.pdf; Confidentiality Letter(short and long).pdf



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4954R Ampifer
Description(revi...



BOM.zip (36 KB)



06U10652-1B FCC
90Y Report.pdf...



Confidentiality
Letter(short a...

Hi Chris,

Pls see answer below, thanks.

Claire

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

From: Chris Harvey

Sent: Monday, December 18, 2006 12:00 PM

To: Michael Heckrotte

Cc: Chris Harvey; Claire Hoque

Subject: Proxim Wireless Corporation, FCC ID: HZB-4954R, Assessment NO.: AN06T6371, Notice#1

Dear Mike Heckrotte,

You are listed as the technical contact for the above referenced composite application. The following items need to be addressed for this application:

1. The Form 731 lists 10MHz and 20MHz channel bandwidths. However the test report also includes a description of a 5MHz channel Bandwidth. The manual's do not include this operational mode in the descriptions (such as power settings and antenna selection). Please explain.
<answer>Proxim currently has no plan to market 5MHz option. That's why it's not addressed in the manual.
2. The Schematic Diagram submitted appears not to contain the RF Circuitry. Please update the schematic diagram to include the RF circuits.
<answer>attached pls find RF schematic.
3. The RF Exposure information in the test report was calculated using a maximum 9dBi antenna with a 13.96dBm RF Power of the 5MHz Channel Bandwidth. Other portions of the application indicate that antennas up to 23dBi are intended to be used with this device. Please revise the RF Exposure MPE calculation for the expected maximum antenna gain and RF Power output combination and ensure that the RF Exposure Separation statement in the manual agrees with this updated calculation.
<answer>pls see revised test report.
4. The Radiated Emissions in the Test Report are documented as being performed in accordance with ANSI C63.4, where the FCC requires relative measurements for field strength requirements of FCC 2.1053 for Licensed Devices in accordance with EIA/TIA-603. Please explain how the measurements performed meet the requirements of FCC 2.1053.
<answer>pls see revised test report.
5. The exhibit called 4954R Amplifier Description includes a description of a 2.4GHz

amplifier which seems to be for another device. Please review the exhibit submitted and update/edit it as needed.

<answer>4954R Amplifier Description is revised.

6. RF board Parts are not included in the BOM(parts list). Please get this additional information from the applicant.

<answer>attached pls find parts list, confi. letter is also revised to include BOM.

7. please provide Proxim agent auth. letter

<answer>attached.

Please note that the Grant is likely to have the following worded condition:

"Power output listed is conducted. The antennas require professional installation and must be fixed-mounted on outdoor permanent structures with a separation distance of at least XX cm from all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter except as documented in this filing. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. Directional antennas with a gain exceeding 9dBi for the 5MHz and 10MHz Channel bandwidths or 11.4dBi for the 20MHz Channel bandwidth require a corresponding reduction in dB of the Peak Power and Peak Power Spectral Density that the antenna exceeds 9dBi or 11.4dBi, respectively."

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