

Chris Harvey

From: Claire Hoque [claire.hoque@ccsemc.com]
Sent: Tuesday, October 28, 2008 8:14 PM
To: Chris Harvey -TCB; Chris Harvey
Cc: Chi Tsou
Subject: answer: Proxim Wireless Corporation, FCC ID: HZB-MESHMAXMP11R, Assessment NO.: AN08T8417, Notice#1

Attachments: AP-4000_Block Diagram.pdf; MeshMAX11_Block-diagram.pdf; 08U11852-1 FCC IC DTS WLAN Report for AP.pdf; 08U11852-2 FCC IC DTS WLAN Report for Subscriber.pdf; revised 9201 label.pdf; revised 9200 label.pdf; Additional Internal Photos.pdf



AP-4000_Block Diagram.pdf (21 ...



MeshMAX11_Block-Diagram.pdf (1...



08U11852-1 FCC IC DTS WLAN Rep...



08U11852-2 FCC IC DTS WLAN Rep...



revised 9201 label.pdf (15 KB)...



revised 9200 label.pdf (10 KB)...



Additional Internal Photos.pdf...

Hi

Chris,

Pls see answer below.

1. The External Photo Exhibit has a different FCC ID number than is listed in the rest of the application. Please confirm that these are the correct External (and Internal) photos and the correct the exhibit(s). Additionally, please provide additional internal photos showing both sides of all PC Boards.

<answer>pls see additional internal photos attached.

2. The label requirements of FCC 15.19 have not been documented in this application. Please provide the label exhibit that complies with the Certification requirements of FCC 15.19.

<answer>pls see revised labels.

3. Separate antenna specification exhibits have been provided for a 5.8GHz 10dBi monopole, 5.8 GHz 30dBi panel type, and 5.8 GHz 33.5dBi Parabolic Dish (for Client device per Client report). The Recommended Antennas exhibit includes 2.4GHz Sector Antennas and Panel antennas and

5 GHz Sector antennas which are not included in the measurement data.

The measurement reports have 10dBi monopole 2.4GHz, 10dBi monopole in 5.8GHz, 30dBi Panel antenna in 5.8 GHz, and 33.4 dBi dish in 5.8GHz band. Please clarify how the installers are made aware of the antenna selections that are compliant and the power levels allowed for the non-Point-to-Point operation.

<answer>The installation manual clearly states that this is a product that must be professionally installed. In addition we provide the list of certified and recommended antennas in addition to the user manual.

Professional installers are capable and we also help them in the user manual how to calculate the allowed EIRP for the regulatory domain where the radio is installed, with the selected antenna gain and cable attenuation.

4. The Users Manual documents capabilities of this device in bands other than the 2.4 GHz and the 5.8 GHz bands. Please confirm that this device as marketed will not contain bands other than those approved in this application.

<answer>The US variant has a license key that will only "unlock" the FCC approved frequencies and will not allow selection of other optional frequencies which are available only in other country variants.

5. The Block diagram does not contain details of the RF Circuitry. It also contains an antenna connector called 'TMP' which is not explained.

Please provide a more detailed block diagram <answer>Block diagrams are attached.

TMP is short for Tsunami MultiPoint, this is our product line that also uses the same Wi-Fi radio as used by the AP only is configured in software to operate as a backhaul. The radio hardware and drivers are identical to the AP4000 but only one radio is populated on

the PCB.

6. The Operational description exhibit indicates that the 2.4GHz and 5GHz can operate simultaneously, but this simultaneous operation has not been addressed in the RF report or MPE calculations. Please confirm if simultaneous operation is possible and update the exhibits as needed.

<answer> Yes, one Radio is 2.4GHz only the others are 5GHz (one Master- disabled DFS bands, other slave). Remember the device is outdoor with external antennas and all antennas will have mandatory more than 20cm. distance between them. Please refer to the updated reports.

Thanks,

Claire Hoque

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

From: Chris Harvey

Sent: Tuesday, September 30, 2008 11:50 AM

To: Thu Chan

Cc: Chris Harvey; Claire Hoque

Subject: Proxim Wireless Corporation, FCC ID: HZB-MESHMAXMP11R, Assessment NO.: AN08T8417, Notice#1

Dear Thu Chan and Claire Hoque,

You are listed as the Technical Contacts for the above referenced TCB application. The following items need to be resolved before the review can be continued:

1. The External Photo Exhibit has a different FCC ID number than is listed in the rest of the application. Please confirm that these are the correct External (and Internal) photos and the correct the exhibit(s). Additionally, please provide additional internal photos showing both sides of all PC Boards.

2. The label requirements of FCC 15.19 have not been documented in this application. Please provide the label exhibit that complies with the Certification requirements of FCC 15.19.

3. Separate antenna specification exhibits have been provided for a 5.8GHz 10dBi mono-pole, 5.8 GHz 30dBi panel type, and 5.8 GHz 33.5dBi Parabolic Dish (for Client device per Client report). The Recommended Antennas exhibit includes 2.4GHz Sector Antennas and Panel antennas and 5 GHz Sector antennas which are not included in the measurement data. The measurement reports have 10dBi monopole 2.4GHz, 10dBi monopole in 5.8GHz, 30dBi Panel antenna in 5.8 GHz, and 33.4 dBi dish in 5.8GHz band. Please clarify how the installers are made aware of the antenna selections that are compliant and the power levels allowed for the non-Point-to-Point operation.

4. The Users Manual documents capabilities of this device in bands other than the 2.4 GHz and the 5.8 GHz bands. Please confirm that this device as marketed will not contain bands other than those approved in this application.

5. The Block diagram does not contain details of the RF Circuitry. It also contains an antenna connector called 'TMP' which is not explained. Please provide a more detailed block diagram

6. The Operational description exhibit indicates that the 2.4GHz and 5GHz can operate simultaneously, but this simultaneous operation has not been addressed in the RF report or MPE calculations. Please confirm if simultaneous operation is possible and update the 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