

RE: Intel
FCC ID: J3OWSAP5000

1) Please provide clearer top & bottom photographs of the TX board and Antenna board assemblies.

Response: Uploaded as requested.

2) The internal photographs do not clearly show the positioning of the antenna assembly in the product. Please provide an additional photographs showing this.

Response: Uploaded as requested.

3) Please provide an exhibit as part of your RF exposure information that compares the worse-case measured MPE to the calculated MPE based upon the information given in the test report (power & antenna gain).

Response: Uploaded as requested.

4) The product documentation refers to this as a Dual Port Access Point and the theory of operation discussed 2 different radio solutions. Please confirm that this unit being submitted will only contain the card that uses the Atheros chipset.

Response: According to the Intel the AP for this submission will only be marketed with only one card. In the future the Unit's motherboard will be tested with two radios MINI PCI cards, but for now only one was tested.

5) It is not easily discernible to the end user (assumed to be non-technical) what distance should be maintained from the antenna during use. The information provided is formultiple devices and the 20 cm distance required for classification as a mobile device is mentioned only in tandem with dipole antennas. Also, does the end user realize where the antenna of this device is located?
Please make the regulatory information more precise to be inclusive of this device. It is recommended that pages 9/10 of the manual include a warning statement (especially for the desk or table top configuration) regarding the 20 cm separation distance, since this is more conspicuous to the user or installer of the device than the regulatory information page which may not be looked (since this is provided only in the electronic versions of the documentation).

Response: Warning statements have been place after pages 9 and 11 of the manual.

6) The theory of operation states that the "indoor use" only statements will be included in the manual, however these were not found in the manual provided. Please comment.

Response: This statement was been place next to the warning statements also.

7) Parts lists were uploaded for the Hardware and MiniPCI Radio without request of confidentiality. Please confirm if confidentiality is requested for these items and update the letter of confidentiality if necessary

Response: Customer does not want confidentiality.

8) The Radiated fundamental field strength appears to be higher for the omni antenna than the half-round (which is considered to be higher gain) for both normal and turbo modes. Please explain.

Response: Data label properly. It seems that the data for the OMNI was place under the Half-round spreadsheet. Data has been revised.

9) The relatively high 2805, 2813, & 8431 MHz antenna conducted spurious for Normal Mode emissions falling in restricted bands do not appear to be measured radiated. Also 2805, 2813, 2815, 2902, 8419, & 8433 MHz for Turbo Mode. Please comment.

Response: Emission were measured, but none were detected. Notes have been placed in the data columns to show this.

10) The power spectral density on the summary page (page 5 of 20, page 5 of 69) for 5.15 to 5.25 & 5.25 to 5.35 Band does not match test report data for Normal Mode (see page 9 of 69). The bandwidth (page 5 of 20) for the 5.15 to 5.25 Band does not match the worse case data from the test report for Normal Mode (see page 11 of 69). The power output (page 6 of 20, page 36 of 69) for the 5.25 to 5.35 Band does not match the test report for Turbo Mode (see page 36 of 69). Several measurements in dBm on page 48 f 69 are also missing negative signs. Please correct these errors to ensure consistency in the report.

Response: Report has been revised and uploaded.