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**From:** Ilarina, Alvin  
**Sent:** Wednesday, December 10, 2008 7:12 PM  
**To:** PCTEST TCB  
**Subject:** RE: Questions Regarding FCC ID: AL8-WO1  
Hi Greg,

The responses are below.

Please let me know if you need anything else.

Thanks,

Alvin Ilarina  
Compliance Engineer  
Plantronics  
Office: (831) 458-7599

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[www.plantronics.com/handsfree](http://www.plantronics.com/handsfree)

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**From:** PCTEST TCB  
**Sent:** Friday, November 14, 2008 1:53 PM  
**To:** Ilarina, Alvin  
**Subject:** Questions Regarding FCC ID: AL8-WO1

To: Mr. Alvin Ilarina / Plantronics  
From: Mr. Gregory Czumak / PCTEST TCB

RE: FCC ID: AL8-WO1

Applicant: Plantronics

Correspondence Reference Number: AL881051  
Confirmation Number: 811031051  
Date of Original Email: November 14, 2008

Subject: Request for additional information

In regards to your recent TCB application referenced above, we kindly request that you provide the following additional information.

1. The EUT is also a pc peripheral. Is this portion to be authorized under Certification, or DoC (I note there is no DoC logo on the label)? If it is considered a Class A digital device (subject to Verification), please submit justification for this rating (in other words, show that it will not be marketed for, nor used in a residential environment).

This portion is authorized under DoC. Please find attached revised label exhibit: "3r2\_base Label and Location.pdf."

2. Please address Section 15.203.

The equipment has an integral antenna that is printed on the PCB.

3. Page 11 and 25 of the EMC report lists FCC ID: AL8-WH101 for the Theo headset (Lo TX)- is this a typo? Please correct.

Support equipment authorized under DoC. Please see attached "R72895 Rev 2.pdf" for corrections.

4. The laptop pc and monitor listed as support equipment on pages 12 and 27 of the EMC report do not show FCC ID numbers. Please provide these, or else indicate if they were authorized under DoC.

Support equipment authorized under DoC. Please see attached "R72895 Rev 2.pdf" for corrections.

5. Please provide a block diagram of the test set ups used for EMC testing, showing the various connections between the EUT and support equipment. The test configurations are unclear.

Block diagrams have been incorporated in the attached "R72895 Rev 2.pdf" Appendix C.

6. The FCC permits a variance in output power of up to 0.5 dB between units tested for EMC and SAR. The reported power level in the SAR report (20.2 dBm) exceeds the level reported in the RF conducted EMC report (17.69 dBm) by more than 0.5 dB. Please address.

A new report "11r2\_Base WO1 Certif Testing Record Final\_2008DEC01.pdf" has been submitted with an output power of 19.46 dBm. This power is more representative of this type than the 17.69 dBm. The MPE exhibit "13\_AL8-WO1\_MPE Calculation.pdf" has been attached to satisfy RF exposure.

7. Please provide detailed justification (timing plots, etc.) for the 4% source-based time averaged crest factor used in the SAR testing.

The MPE exhibit "13\_AL8-WO1\_MPE Calculation.pdf" has been attached to satisfy RF exposure.

8. The FCC requires that the SAR values measured in the SAR System Verification test be within 10% of the manufacturer calibrated dipole SAR values. Please provide this value, and recalculate the System Verification results using it.

The MPE exhibit "13\_AL8-WO1\_MPE Calculation.pdf" has been attached to satisfy RF exposure.

9. Please justify the SAR Report uncertainty components for boundary effect. They appear lower than the system manufacturer specified value.

The MPE exhibit "13\_AL8-WO1\_MPE Calculation.pdf" has been attached to satisfy RF exposure.

10. "Device Positioning" and "Device Holder Uncertainty" in the SAR Report shows that it is site specific, but the uncertainty values are identical to that of the SPEAG test site. Please clarify.

The MPE exhibit "13\_AL8-WO1\_MPE Calculation.pdf" has been attached to satisfy RF exposure.

The items indicated above must be submitted before processing can continue on the above referenced application.

Sincerely,

Gregory Czumak  
Senior Certification Engineer  
Quality Manager

PCTEST Engineering Laboratory, Inc.  
6660-B Dobbin Road  
Columbia, MD 21045  
410-290-6652  
410-290-6654 (Fax)  
[gregory@pctestlab.com](mailto:gregory@pctestlab.com)

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