

To: Steve Dayhoff
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FCC Equipment Authorization Branch

From: Stephen Crompton, Tait Electronics Ltd
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Date of Original E-Mail: 3/19/2003

Subject: Applicant: **Tait Electronics Ltd**
FCC ID: **CASTEL0062**
Correspondence Reference Number: **24970**
731 Confirmation Number: **EA182170**

Dear Steve,

1) User guide states device complies with general public limits - SAR results show otherwise. Please submit label for device restricting to occupational use, and revised user guide and occupational use training info.

The User Guide is a document common to our whole range of hand portables and markets, which cover frequencies from the 66-88 MHz band up to 800 and 900 MHz. The User Guide warning only applies to 800 and 900 MHz band equipment as noted above the warning "box" on page 24. Please see attached label and User Guide Training Supplement.

2) FYI operator manual pg 24 says hold radio 15cm from face - may need correction
This manual has now been made obsolete.

3) operator manual pg 6 has two belt clips - which was used in SAR test? How will SAR results for one clip account for use of other clip?

The belt clip used was the plastic clip TOPA-CA-005. The approved accessories are listed on <http://www.taitworld.com/orca> and the other clip is not on the list.

4) Head SAR appears to use body probe cal. factor. Please estimate change in probe factor and change in SAR for max. SAR configurations if testing had been done with head probe factor in head liquid; include all steps in calculation. Alternatively, repeat max. SAR configurations with correct probe factor.

Please refer to attached calibration document for head tissue which confirms correct factor was used.

Test Lab response: "I have attached the cal sheets for our calibration @ 450Mhz (head tissue) this will explain to the FCC why the factors are identical."

5) FYI SAR compliance for occupational limits is typically evaluated based on 50% duty factor.

Test lab response: "Refer to our report M030131 P19, Table 8 Column 7: SAR compliance can be given for both 50% and 20% duty cycles (occupational/controlled only). Compliance was obtained with a 20% duty cycle because the production unit device is limited to a transmit time of 1 minute for any 5 minute period (Tx 1 min, Rx 4 min)."

6) Please submit photos of accessories tested.
Attached.

7) "Getting Started" guide shows belt-loop and carry-case body-worn options. Per Suppl C all body-worn accessories need SAR testing. *The approved accessories are listed on*

<http://www.taitworld.com/orca> and it does not include the belt-loop and carry-case body-worn options.

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

Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee pursuant to Section 1.1108 The items indicated above must be submitted before processing can continue on the above referenced application.

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