

American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

September 2, 2002

RE: FCC ID: MQ055600-22300

Attention: Desmond Fraser / Kathy Grzovic

I have a few comments on this Application.

1 Your report references TIA603-1. This is a Part 15.247 device and the proper reference for testing is ANSI C63.4 and for FHSS - DA000705. Please correct the reference to show testing was performed properly and to the recommended FCC procedures.

Response: All references have been corrected as advised; conducted plots at band edge and across spectrum have been added. Please refer to the revised report uploaded with this response.

2 In section 3.3 of the report, you state that the average field strength is 115.7, then in the equation below the statement you use 114.8dBuV. Please explain.

Response: All references have been corrected and changed to peak values (as worst case). Please refer to the revised report uploaded with this response.

3 Please note the DA000705 states, "If antenna conducted tests cannot be performed on this device, radiated tests to show compliance with the peak output power limit specified in Section 15.247(b) and the spurious RF conducted emission limit specified in Section 15.247(c) are acceptable." This exclusion is typically used for devices with permanent non-removable antennae only. In cases where the antenna port is accessible and where the antenna can be removed to facilitate measurement, the FCC wants to see antenna terminal measurements made and plots provided. Please note that according to the photos and the technical description this device is fully capable of making antenna terminal measurements. Since it is fully capable of having antenna conducted terminal measurements performed and since it does not meet the "if antenna conducted tests CANNOT be performed" requirements, these antenna conducted terminal measurements need to be done.

Note: Even when radiated measurements are allowed for devices with permanently attached non removable antenna(s), ANTENNA SUBSTITUTION is not allowed. Instead the formula $\text{Peak Power} = (E_d)^2 / 30G$ must be used. This may also refer to the problem with the incorrect test methods mentioned in the report as stated in item 1.

Please correct your report to show compliance to the FCC rules for FHSS devices in accordance with 15.247 ANSI C63.4 and DA000705. This includes power out, radiated conducted emissions and band edge conducted compliance to 15.247c

Response: Statement for power measurement has been changed to a conducted measurement. EIRP values have been removed. Conducted plots for band edge and across spectrum have been added. Please refer to the revised report uploaded with this response.

4 During EMC and SAR testing Peak Power out must be within 5% of each other. Power listed in the SAR report and the powers listed in the EMC report and significantly different and exceed this 'defacto' FCC limit imposed on SAR reports. Please correct the reports to show the proper Power Out measurement methods and results (see item 3 above).

Response: See response for item 3.

5 The SAR report does not provide the part number or reference number for the Belt clip or other accessories. Please put these references in the SAR report.

Response: SAR Report revised to include part numbers for the belt clip and other accessories on page 1, and was uploaded with this response.

6 The manual mentioned a number of belt straps and 2 belt clips. The SAR report only shows evidence of testing one belt clip. What steps were taken to insure that this one clip was the worst case?

Response: The Talkman T2 currently has one belt clip option only. The user must utilize Vocollect's specially designed slim belt clip and customized belt (part numbers noted on page 1 of revised SAR Report uploaded). The trouser clips are no longer available. The SAR testing was done with the only belt and belt attachment method available, under the worst case scenario with the unit as close to the phantom as possible.

Please note: The user's manual uploaded with the original application is actually an Adobe Acrobat version of the applicant's on-line documentation. It includes two Vocollect products, the Talkman T2 (TT-600) and the older product, Talkman Open, which have different accessories. We have edited this hardcopy version of the on-line user documentation to eliminate much of the Talkman Open documentation, and to eliminate confusion. Please refer to the revised manual, uploaded with this response.

7 The SAR report shows only one headset was tested. The manual says there are two types -VXI lightweight headset and VXI cupped headset (for freezer use). Please provide evidence that both headsets are SAR compliant and that the tests reflect the worse case.

Response: Vocollect offers two types of headsets: a VXI lightweight headset and a VXI cupped headset. These headsets are electrically identical; the only difference in the headsets is that the VXI cupped headset is water tight. It is our opinion that the VXI lightweight headset appropriately represents both headsets from the perspective of SAR testing.

8 SAR reports must show the model or part number of accessories tested with the unit not just the generic name (belt clip – headset, etc). The SAR report provided does not indicate the model or part number of the belt clip nor the headset used during testing. Please provide an SAR report that correctly identifies these items.

Response: SAR Report revised to include part numbers for the belt clip and other accessories on page 1, and was uploaded with this response.

9 The manual states the device is a DoC FCC Part 15 B device. The manual does not contain the no-modification statement as required by 15.21. Please provide this information in the manual.

Response: Please refer to the revised manual uploaded with this response. The required statement appears on page 12, under "Talkman T2 Federal Communications Commission Compliance" section.