

**Correspondence reference information**

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

From: [oetech@fccsun34w.fcc.gov](mailto:oetech@fccsun34w.fcc.gov) [mailto:[oetech@fccsun34w.fcc.gov](mailto:oetech@fccsun34w.fcc.gov)]

Sent: Thursday, December 19, 2002 4:07 PM

To: [hotline@americanccb.com](mailto:hotline@americanccb.com)

Subject: audit

To: William Graff

From: Tim Harrington [tharring@fcc.gov](mailto:tharring@fcc.gov)

FCC Equipment Authorization Branch

Re: FCC ID: QGZ-B1000

Applicant: Vocera Communications

6242

Correspondence Reference Number:

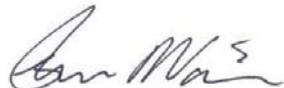
731 Confirmation Number:

Date of Original Email: 12/19/2002

To: Tim Harrington,  
FCC Equipment Authorization Branch  
From: Vocera Communications  
Re: Above referenced FCC request for additional information.  
Date: 5 Jan 2003

Replies to your recent inquiries are below. If I can be of any further assistance, or if additional clarification is required, please let me know.

On behalf of Vocera Communications,



David Waitt  
Independent Consultant

**FCC:** Please list conducted power on Form 731 line item. EIRP may remain in grant notes.

**Vocera:** Several units were measured for conducted power on the low, mid and high channel using a Agilent power meter (Model E4418B and a E9301A power detector, calibration due on 5 May 03) in order to obtain a statistically valid sample. The typical conducted power measured was 17 dBm +/- .25 dB across all channels, the maximum measured conducted power was 18.5 dBm. Based on these measurements, the maximum transmit power is 18.5 dBm.

**FCC:** Filing has 2 users manual exhibits. Nov19 posting has SAR level from previous application under this FCC ID. Please submit complete final manual if available with correct SAR value if appropriate.

**Vocera:** The final version of the users manual has been uploaded to the TCB site.

**FCC:** Please confirm whether or not device could normally be used in a held to ear position.

**Vocera:** The device is intended to be worn as shown in the users manual, (on a lanyard, clipped to a shirt pocket, etc.) The typical audio level is set appropriately to provide adequate audio level when used at these distances from the ear. The audio level is such that a typical user would not, under normal operation, comfortably use the device held to the ear. Given this audio level, it is not appropriate, and may be uncomfortable for the user, to hold the device to the ear during normal operation. The user is cautioned against using the device in this manner in the user manual.

Additionally, under normal operation, the device would not need to be held to the ear. Much engineering effort has been put into optimizing the audio performance of the speaker and the microphone when the device is worn as prescribed in the user manual. Given the quality of the audio, it would not be necessary, under normal operation, to hold the device to the ear. If the user wishes to have privacy when using the product, a headset is available. The user manual informs the user that the headset should be used privacy is desired.