

## Mosquito & the modern hearing aid

16<sup>th</sup> May 2006

During the month of May, CSS Ltd. have had several enquiries from various market sectors asking if there is any likelihood of detrimental effects from the use of the Mosquito to users of hearing aids.

As with all other questions we have been asked since launching the Mosquito, we have taken this question very seriously and have made a point of researching the area and speaking with various manufacturers of digital hearing devices also.

The following findings will be added to in the near future, however, this should be sufficient to allay any qualms you or your customers may have in this area.

The primary function of most contemporary hearing aids is to enhance speech signals. As speech does not extend above 8 kHz, neither does the frequency response of hearing aids to any significant degree.

Below is a typical frequency response from a market leading model hearing aid. The response starts to fall at about 6 kHz.

The Mosquito operates at 17.8 KHz which is more than double the frequency. In short, there will be no amplification of the sound output of the Mosquito by contemporary digital hearing aids.

### Basic Acoustic Response

IEC 118-0/A1

