

## **How important is the positioning and orientation of the sensor ?**

Our MHC instruments are designed to be primarily responsive to the 'diffuse field' of AE activity. This differs from many other high frequency systems on the market which are peak responding. The benefit of the diffuse field approach is that in general the measurement is relatively insensitive to the precise position and orientation of the sensor on the item being monitored.

This is similar to when you listen to the radio; it doesn't matter where you stand in the room, or even which way you are facing, the amplitude and information content is very similar at all positions. The exceptions are when you put your ear very close to the speaker (don't try this it may damage your hearing) and when you leave the room and these exceptions have their parallel in MHC measurements also.