

In my earlier comments on Docket 01-309 I discussed a vital connection necessary to make hearing aids immune to RF pickup, demodulation and amplification. This vital connection is from the shield to the hearing aid's amplifier "ground". My experiment to prove the effectiveness of such a shield entailed wrapping my aid in aluminum foil with a tab from the shield entering the battery compartment to make the essential connection. Later it was realized that the aluminum shield made electrical contact with the head and/or ear and thus provided a large sink for the RF energy and it is believed that it is these two "connections that contribute to the effectiveness of the shield which made the hearing aid immune from RF interference. With out these two connections the shielding will be ineffective. Making hearing aids immune from RF interference is necessary for the telephone manufacturers to be able to study methods to eliminate the magnetic flux generated by the telephone's battery and associated wiring and make Cellular Telephones HAC. This magnetic flux causes interference when the telecoil of a hearing aid is used. Methods to eliminate this magnetic flux is discussed in my earlier comments

Respectfully submitted.

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