

August 20, 2004

CONFIDENTIALITY REQUEST

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Re: CardioMEMS Inc. application for blood pressure sensor implant transmitter
FCC ID:XXX CS-A-000051

Gentlemen:

CardioMEMS Inc., 75 5th Street, NW, Room 205, Atlanta, Georgia 30308 herein submits an Application for Equipment Authorization for certification of a spread spectrum transmitter under FCC Rules Part 15 and requests, pursuant to 47CFR 0.459, post grant confidentiality for portions of the material contained in this application such that the identified material will be withheld from public inspection following the grant of this authorization. This material, as indicated by request for confidentiality of the item during the electronic submission process and further identified below, includes:

1. Theory of operation submitted as attachment "operational description".

Specifically, this exhibit contains information relating to circuit function and complexity that could be of benefit to competitors. The material contains trade secrets and confidential information that CardioMEMS does not customarily release to the public and which is otherwise not generally available to the public.

Please contact the undersigned by phone at 410-531-3439, by fax at 410-531-0807, by email at jinglis@erols.com, or by correspondence at the address below if there are any further questions or additional information needed concerning this filing.

Regards,

(signed)

Phillip Inglis
Consultant to CardioMEMS