



**MOTOROLA**

*Cellular Infrastructure Group*

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January 16, 2001

Federal Communications Commission  
Authorization & Evaluation Division  
7435 Oakland Mills Road  
Columbia, Maryland 21046

Re: Application for Cellular Transceiver Certification

Gentlemen:

Motorola Inc., 1475 W. Shure Drive, Arlington Heights, Illinois 60004, herein submits:  
Filing fee, Application for Equipment Authorization (FCC Form 731) and Sections, for Certification of a  
PCS Cellular Transceiver, FCC ID: IHET5AP1. Motorola is also the manufacturer of this equipment.

Motorola requests that the following Sections of the Schematics Exhibit be kept confidential:

Section A	NIU – Network Interface Unit
Section B	CEM – Channel Element Module
Section C	RFCC – Radio Frequency Control Card
Section D	ILPA – Power Amplifier
Section E	DC/DC Converter Board

The confidential portions have been identified as such on the Uploading Sections Form. The filing fee includes \$145.00, the amount for a confidential filing.



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This equipment has the capability to operate using Code Division Multiple Access (CDMA) on a spread spectrum signal operating in the cellular band. This more efficient modulation scheme can provide 3 to 10 times the number of available voice channels when compared to existing analog technologies. Technical details for this alternate cellular technology (permitted under the cellular service option provisions in section 22 Subpart H of the Commission's rules) related to certification of this equipment, are provided in the Statements of Certification Exhibit, and throughout the other exhibits.

Please contact me by telephone at (847) 632-5060, by Fax at (847) 632-5936, or by correspondence at the address herein if there are further questions or if additional information is needed concerning this filing.

Regards,

A handwritten signature in cursive script that reads "Brian L. Costello".

Brian Costello  
Engineering Manager  
Customer Integration Engineering