



***Global Telecom Solutions Sector***

November 2, 2004

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

Re: Application for Cellular Transceiver Certification

Gentlemen:

Motorola Inc., 5555 North Beach Street, Fort Worth, Texas 76137, herein submits:  
Application for Equipment Authorization (FCC Form 731) and Sections, for Certification of a PCS  
Cellular Transceiver, FCC ID: IHET6EQ1. Motorola is also the manufacturer of this equipment.

Motorola requests that the Internal Photos, Parts List, and all Sections of the Schematics Exhibit (noted below) be kept confidential. These exhibits contain technical trade secret information and should be guarded from competitors as stated under the Code of Federal Regulations Title 47 Section 0.457 and 0.459.

- HP BBX1X- Hi Power Broadband Transceiver Card
- CCD - CDMA Clock Distribution Card
- CIO - Combiner Input/Output Card
- CSM1 - Clock Synchronization Module w/GPS
- CSM2- Clock Synchronization Module w/GPS
- GLI2 - Group Line Interface Card
- GLI3 – Group Line Interface Card
- HSO - High Stability Oscillator
- LFR – Low Frequency Receiver (Special Vendor Note)
- CLPA – Linear Power Amplifier
- MCC1X - Multi Channel CDMA Card
- MCC1X-DO - Multi Channel CDMA Card
- MPC3 - Multicoupler Preselector Card
- RGD – Remote GPS Distribution Card
- PAC – Power Alarm Card
- PSM – Power Supply Module
- SITE I/O – Site Input Output
- SPAN I/O – Spanline Input Output
- HP SW – Hi Power Switchboard



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The confidential portions have been identified as such in the subject heading of the exhibits. The filing fee includes \$145.00, the amount for a confidential filing.

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 24 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 (817) 245-7076, by Fax at (817) 245-6248, 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 black ink, followed by the date '11-3-04' written in the same ink.

Jim Morrison  
Engineering Manager  
Integration, Test and Certification