

May 5, 2004

## Class II Permissive Change For FCC ID: IHDT56ER1

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

Re: Application for Cellular/PCS Transceiver Certification  
(Class II Permissive Change)

### Application:

Motorola, Inc., Personal Communications Sector, 600 N. U.S. Highway 45, Libertyville, Illinois 60048-1286 herein submits items for Class II Permissive Change Certification of Cellular Transceiver, FCC ID: IHDT56ER1. Motorola is the manufacturer of this equipment.

### Description of Change:

#### Audio Buzz Reduction

- Capacitors C903 and C913 were changed from 10pF to 1.5pF
- Inductors L806 and L809 were changed from 39nH to 27nH
- Inductors L812 and L813 were changed from 39nH to 0-ohm resistors
- Two 4.7nH inductors were added (L814 and L815), requiring a minor PCB change

#### Antenna Match Refinement

- C104 is changed from 2.7pF to 2.2pF
- L103 is changed from 2.2nH to 2.7nH
- No board layout change was required and no EMC degradation was measured

#### Second Source Parts

- Alternate vendors are now available for ten electrical parts
- Three mechanical parts are now available from a second source

A new SAR report is submitted to report the updated SAR values. No characteristics originally reported in the test report (exhibit 6) degraded.

Please contact me by telephone at (847) 523-6167, or by e-mail ([A.Bachler@motorola.com](mailto:A.Bachler@motorola.com)), if there are questions or additional information needed concerning this filing.

Regards,

Andrew J. Bachler  
FCC Liaison  
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