



MOTOROLA

Date: July 11, 2003

Subject: Request for additional information (FCC ID IHDT56CG1)

Reference:

Correspondence Reference Number:	8808
Confirmation Number:	TC683638
Date of Original Email:	6/27/03

Prepared by:

Steven Hauswirth
Motorola Personal Communications Sector Product Safety Laboratory
Harvard, Illinois

Andrew Bachler, Principal Staff Engineer
Motorola Personal Communications Sector
Libertyville, Illinois



MOTOROLA

July 9, 2003

Supplement to Class II Permissive Change – Exhibit 11: SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56CG1) Dated 5-June-2003

Prepared by:

Steven Hauswirth, Principal Staff Engineer

Motorola Personal Communications Sector Product Safety Laboratory

Libertyville, Illinois

Summary of FCC request for additional information

There was a request for additional information regarding Motorola's Class II Permissive Change SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56CG1) dated 5-Jun-2003:

Please provide full justification for configurations that were not tested for SAR. Please provide details in respect to Public Notice DA 02-1438.

Alternatively, please provide the additional SAR data.

With battery 5595b

Analog, left cheek, ant retracted, ch 384

Digital800, Right cheek, ant retracted, ch 384

Digital800, Right cheek, ant extended, ch 1013

With battery 5588a

Digital 1900, right cheek, ant extend, ch1175

Digital 1900, left cheek, ant retract, ch25

Response: Motorola PCS's internal procedures for testing alternate batteries are to retest in the configuration that resulted in the highest measured SAR, for each Tx band. Different modes or antenna configurations (extended vs. retracted) within a band are not individually looked at because it is expected that the impact of the battery (caused by change of impedance, change of physical size, change of cell geometry or density, change of cell substrate material, etc..) would be the same for each mode/antenna configuration. Different Tx bands are looked at because the impedance of the battery can change by frequency. Public Notice DA 02-1438 does not give any requirements or recommendations addressing accessories or alternate batteries.