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Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56ZF1).

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1. Summary of FCC request for additional information

There was a request for additional information regarding relationship between the use of the product and the SAR test data submitted with the Report for Motorola's portable cellular phone (FCC ID IHDT56ZF1) dated March 7, 2000. The requested information may be summarized as follows:

1. Cover letter indicates this is a Class II Permissive Change for SAR compliance due to implementation of a new housing, as a result of higher SAR levels for PCS band for head only and higher body-worn SAR for both AMPS and PCS bands. SAR was tested for the original filing at a maximum conducted output of 570 mW for PCS band but SAR for the current Class II was tested at 400 mW conducted output for the same band. The reported maximum SAR is 1.31 W/kg and if allowed to operate at the maximum rating of the original grant (there is no output changes for this Class II), by scaling, it would exceed the 1.6 W/kg limit; please clarify.

2. Please identify the locations of peak SAR with respect to the phone for the body-worn conditions tested and the separation distance provided by the belt-clip. The reported maximum SAR for body-worn operating configurations is 1.58 W/kg (AMPS mode), which is substantially higher than previously reported for the original filing; please update users manual to include proper body-worn operating instructions to ensure SAR compliance (similar to those in recent filings) and upload the relevant page of the revised manual. What are the output power levels used for body-worn SAR tests (both bands)?

3. Please confirm if the reported 21 mW hand absorption is for AMPS or PCS band and if tests were performed for both frequency bands. Note: this phone has a fixed antenna but hand absorption section indicates testing with antenna extended and retracted?

2. Clarification of Output power in PCS Band used for SAR Testing

Please see attached revised Exhibit 6A for conducted output power changes.

3. Clarification of Body Worn Test Configuration

The location of peak SAR when the phone is in the supplied belt-clip for PCS band is shown in figure 1.

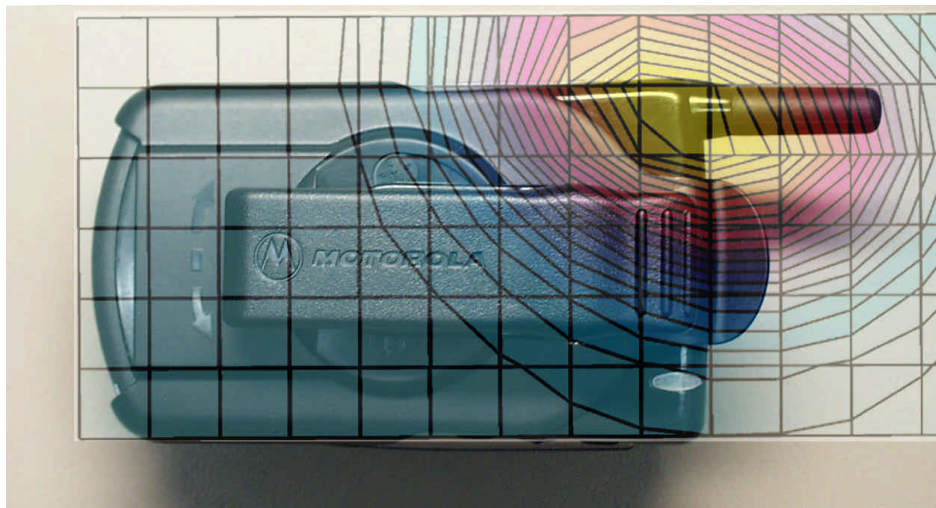


Figure 1. Contour Plot Overlaid on Back of Phone with Belt-Clip

The separation distance provided by the belt-clip between the back of the phone and the body phantom, and the closest point between the antenna and the phantom is shown in figure 2.



Figure 2. Separation Distance Provided By Belt-Clip

The output power levels used for body-worn SAR tests in both bands are listed in the table below.

Mode of Operation	Conducted
	Power (Watts)
800MHz AMPS	0.30
800MHz TDMA	0.56
1900MHz TDMA	0.40

4. Requested Information about SAR in the Hand tests

The reported 21 mW hand absorption is for the AMPS band. Testing was performed for the PCS band and resulted in hand absorption lower than that in the AMPS band. This section of the report also incorrectly stated that testing was done with the antenna extended and retracted. This product has a fixed antenna and testing was done in that configuration only.