



MOTOROLA

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Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56EF1)

Prepared by:

Steven Hauswirth

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 SAR Test Report for Motorola portable cellular phone (FCC ID IHDT6DT1). The requested information is addressed below in the same numbering sequence received.

2) User manual body worn statement suggests a SAR body worn measurement was made at a 2.5 cm gap. Such data could not be located. Please provide.

RESPONSE: The Body-Worn Operation statement in the user manual is; "If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch from your body when transmitting." The DUT was tested with a leather case (SYN9766A) & belt clip (SYN8631A), neither of which contain any metal. This leather case and belt clip combination provides some separation between the phone's antenna and the SAR measurement phantom. This combination provides 22mm of separation with the DUT's antenna retracted and 26mm of separation with the DUT's antenna extended. Additionally, OET Bulletin 65 Supplement C 01-01 states:

Body-worn accessories may not always be supplied or available as options for some devices that are intended to be authorized for body-worn use. A separation distance of 1.5 cm between the back of the device and a flat phantom is recommended for testing body-worn SAR compliance under such circumstances. Other separation distances may be used, but they should not exceed 2.5 cm. In these cases, *the device may use body-worn accessories that provide a separation distance greater than that tested for the device provided however that the accessory contains no metallic components..*

Since the carry case/belt clip combination provides less than 25 mm of separation, with the antenna retracted, SAR measurements in the body worn configuration specified in the user manual are not required.

f (MHz)	Description	Conducted Output Power (dBm)	Body Worn with SYN9766A Case and SYN8631A Clip							
			Ant Extended				Ant Retracted			
			Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Simulate Temp (°C)	Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Simulate Temp (°C)
Digital 800MHz	Channel 1013	24.99								
	Channel 384	24.93	0.396	0.12	0.40	19.3	0.369	0.09	0.37	19.3
	Channel 777	24.99								
Digital 1900MHz	Channel 25	25.00								
	Channel 600	25.06	0.689	-0.04	0.70	19.0	0.694	-0.07	0.71	19.0
	Channel 1175	25.01								

Table 7: SAR measurement results for the portable cellular telephone FCC ID IHDT56EF1 at highest possible output power. Measured against the body.