



To: Kwok Chan, FCC
From: Paul Moller, Motorola, Inc.
Subject: FCC ID IHDT6ZU1 Body Worn Configuration SAR
Date: February 10, 2000

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The cellular phone (FCC ID IHDT6ZU1) can be used in a body-worn configuration using the supplied belt clip. We have performed an evaluation to show RF exposure compliance when used the supplied belt clip. Figure 1 shows the test unit as it is placed onto the phantom. The phantom was filled with a liquid having relative dielectric constant equal to 51.9 and conductivity equal to 1.1 S/m at 835MHz. The composition of the liquid mixture is as follows: 52.5% water; 45.0% sugar; 1.3% salt, 1% HEC; and 0.2% bactericide.



Figure 1. Phone In Supplied Belt Clip Against Phantom

The following table shows the SAR values for the body worn condition for using the supplied belt clip. A full data set output of the test condition with the highest SAR values from the Dasy™ measurement system is included as appendix A. The test conditions included are indicated as bold numbers in the following table. All other test conditions measured lower SAR values than those included. The location of highest SAR was the area on the phone near the antenna..

Channel	Belt Clip	
	Ant Ret	Ant Ext
991	0.20	0.56
384	0.35	0.37
799	0.36	0.32