Date: February 17, 2004

Subject: Request for additional information regarding FCC ID: IHDT56DR1 (Cellular/PCS transceiver)

Reference:
Correspondence Reference Number: 10700
Confirmation Number: TC642500
Date of Original Email: 1/20/2004

Prepared by:
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Libertyville, Illinois

Questions and responses follow:

1) Please discuss reasons behind the large change in SAR noted from the original device. Such a large change for presumably identical components is unexpected.

Response: Yes, we agree.. Further investigation into this product revealed the following:

- The two PA's utilize the same pin-out, are identical in size, and mount on the same PCB. However, the proprietary internal design varies between the two vendors.
- There are 10 component value differences in the PA support circuitry (decoupling capacitors etc.) for the two PA devices. Please refer to the following:

Reference Symbol	Original Circuitry	Modified Circuitry
C12	2113743N02 (0.75 pF)	NOT PLACED
C13	2113743N02 (0.75 pF)	NOT PLACED
C52	2113743N40 (39 pF)	2113743N16 (3.9 pF)
C53	2113743N40 (39 pF)	2113743N16 (3.9 pF)
C65	2113743L33 (4700 pF)	2113743L37 (6800 pF)
C71	NOT PLACED	2113743N50 (100 pF)
C91	2113743N20 (5.6 pF)	NOT PLACED
D91	4809948D37	NOT PLACED
L5	2409154M30 (3.3 nH)	2113743N38 (33 pF)
R91	0662057M98 (10K ohm)	NOT PLACED

2) Please confirm that conducted and radiated power and spurious emissions have been investigated and fall under Class I Permissive Change rules.

Response: Yes, we confirm. In accordance with our standard procedures, a complete EMC evaluation (including conducted power, radiated power, and spurious emissions) was conducted. No degradation of EMC characteristics is reported.