

October 6, 1998

RE: Form 731 Confirmation Number: EA89999

FCC ID: IHDT5YA1

Frank,

From discussion during the processing of another recent application, we now understand that the Lab has determined that ERP referenced to a Dipole should be used for 800 MHz Cellular products under Rule Part 22(H), when the product is provided with an integral antenna and without a 'standard' RF connector.

The stated ERP of 0.7 Watts for this product was measured in Analog mode and was based on a conducted output power setting of 0.55 Watts. In addition, this ERP measurement was with reference to an Isotropic radiator.

The nominal conducted output power setting for this product, as it ships, will be 0.5 Watts (and this was the setting used in the SAR evaluations).

Adjusting from 0.55 Watts to 0.5 Watts (i.e. dividing by 1.1) and further adjusting for the difference in 'gain' between a dipole and 'isotropic' (i.e. dividing by 1.64), the RATED ERP (with respect to a dipole) for this product should be 0.39 Watts (for the Analog mode Emission Designators, 40K0F1D and 40K0F8W).

The 'in the burst' power for the TDMA mode (Emission Designator 30K0DXW) uses the same power control settings as for the Analog modes. This yields an 'in the burst' conducted power output of 0.5 Watts and, therefore, is also requested to be listed as 0.39 Watts.

We also request that the Grant Form identify that the Output Powers listed are 'Effective Radiated Power.'

I trust that the additional submitted reports and this correspondence will satisfy all further questions regarding SAR measurement and allow the GRANT of this Equipment Authorization.

Regards,
John Kalenowsky