

Date: April 20, 1999
From: Wes Mays
Amtech Systems Division - Intermech Technologies Corporation
To: Greg Czumak
FCC Application Processing Branch
Re: FCC ID FIH11010533401
Correspondence Reference Number: 7271
731 Confirmation Number: EA92585

Dear Sirs:

We made a mistake in the calculation for ERP. The correct formula should be $P(w) = (Ed)^2 / (49.2)$

This would make the original report have the ERP as 2.3 Watts (not the 0.66 W as reported in the original report). We re-tuned the unit by hand, in our engineering laboratory, and "tweaked" the power to the maximum amount that we were able. This unit was subsequently measured with an ERP of 5.4 W, not the 0.99 W as reported in amendment dated April 9, 1999.

We feel that the 5.4 W power level will never be realistically achieved in a production environment; furthermore, the original 2.3 W appears to be realistic and does support the engineering development testing during product development. However, since we have been able to demonstrate 5.4 W, Amtech agrees with the Commissions' email requests (Correspondence Reference Number 7271) that the grant be issued listing the maximum ERP of 5.4 Watts.

We apologize for the inaccuracies in our reports and thank you for your diligence.

Sincerely yours,

Wes Mays
Manger, Microwave Design