

To: Frank Coperich
FCC Application Processing Branch

From: Darrin Walraven
1-817-245-7181
QDW005@email.mot.com
Lead RF Engineer
Motorola Fixed Wireless Terminals

Re: FCC ID IHET5ZA1

Dear Mr. Coperich;

I am replying to your e-mail dated 4/16/1999 concerning our FCC filing reference number 7247. You have requested additional information concerning our product's transmitted power output, antenna gain, effective radiated power and clarification of physical description.

Question 1: "Your maximum measured conducted power output was .213 W. However, elsewhere in your report, you cite a + 27 dBm rating."

The lowest specified maximum rating for our product is +23 dBm and although the final amplifier is capable of generating +27 dBm, the product as manufactured and sold is controlled to less than +24.5 dBm. We manufacture our product to be consistent with IS-95A standards for a Class III device which calls for final output power from +23 dBm to +30 dBm. In the product description included in our filing to which you referenced, we listed +27 dBm as our absolute maximum conducted output power to allow for manufacturing and tuning variances.

Question 2: "The antenna specification you have provided indicate a - 2 dBd gain. Yet elsewhere in your report, you cite a 1.5 W ERP capability."

The product typically generates less than +24.5 dBm and with the standard dipole antenna which we install on the product (-2 dBd min, 0dBd max), our maximum EIRP would be less than 26.6 dBm, and lowest maximum EIRP would be approximately 23 dBm. Isotropic gain of a dipole is assumed to be 2.14 dB, maximum power 24.5 dBm, lowest maximum 23.0 dBm. The 1.5 Watt ERP statement is an error.

Question 3: Please provide ERP measurements for this unit with the specified antenna.

Attached, please find ERP data of a typical unit as manufactured.

Question 4: "FYI, in the future, please provide SAR measurements taken with the same three frequency span."

Noted.

Question 5: "Some your uploaded data, particularly that sent 4/12/99, is hardly readable from this end. Please do not scanned FAX copies for submission. Please re-send the 4/12/99 material."

And to address your final issue, also attached are scans of original data showing SAR findings instead of the previous FAX copies. If you desire a hard copy of the data, I will be pleased to forward it to you.

If you have any further questions, please do not hesitate to contact me.

Regards,

Darrin Walraven