

To: Joe Dichoso
From: Jim Sponsler
Date: 2-24-00

Re: FCC ID AXATR-395-A2
Applicant: Ericsson Inc
Correspondence Reference Number: 12195
731 Confirmation Number: EA96056
Date of Original E-Mail: 02/16/2000

Good day Joe,

Below is the request for information along with our response concerning our EA96056 submittal. If you have any questions, feel free to contact me.

1) Please clarify the output power. Measurements of 32.3 dBm, 32 dBm and 31.6 dBm were measured. Indicate whether this represents ERP or EIRP measurements. Provide a sample calculation of the above data showing the appropriate generator level.

[The values reported and noted above are EIRP values.](#)

[Sample description method and calculation:](#)

[Using a spectrum analyzer and varying the antenna polarity, height and turn-table position, a peak reading is taken for a given frequency. The mobile is then replaced by a RF source. The source is tuned to the frequency and output power varied till it equals the power measured with the device on the table. A power meter is then connected to the transmit antenna input of the RF source. Transmit antenna factor \(dBi\) is added to the power meter reading to determine the equivalent EIRP reading we report.](#)

<u>Power meter reading (dBm)</u>	<u>(+)Transmit antenna factor (dBi)</u>	<u>Equivalent EIRP (dBm)</u>	<u>Frequency (MHz)</u>
<u>24.6</u>	<u>7.4</u>	<u>32.0</u>	<u>1880</u>

*** The RF safety exhibits are under review and will be forwarded as soon as possible.