

**Intermec Technologies Corporation**  
6001 36th Avenue West  
P.O. Box 4280  
Everett, WA 98203-9280  
425.348.2600 tel  
425.355.9551 fax  
[www.intermec.com](http://www.intermec.com)

March 11, 1999

FCC Authorization & Evaluation Laboratories  
7435 Oakland Mills Rd.  
Columbia, MD 21046

Attention: Joe Dichoso

Re: Application with FCC ID: IMKRL26307M

Dear Mr. Dichoso,

Since the application mentioned above was a combined effort between Proxim Inc. and Intermec Technologies Corp. (their transceiver module in our host devices), Proxim has forwarded your questions to me. I will try to respond to them.

First I would like to apologize for the confusion in the application between the antennas and the host devices. As you correctly guessed, there are 9 host devices using a total of 6 antennas (some antennas are used by more than one host device). All antennas have unique connectors which prevent users from attaching higher gain off-the-shelf antennas to the host devices. Even though we declared in one of the documents submitted in the application that the power level would be 500 mW in some hosts, Intermec has made the decision to restrict the output power level of all 9 host devices to 100 mW. As Proxim explained, the output power of the Tx module can be SW set to high (500 mW) or low (100 mW) level. This setting is only factory settable and the user does not have access to this parameter. We made the decision to limit the output power due to host device battery life concerns and concerns about overlapping issues in existing installations where site surveys have been performed with 100 mW devices in the past.

The attached table describes the host devices and their antennas along with antenna gains. As you can see the highest antenna gain is 1.5 dBi (the cable between the Tx and the antenna has at least 0.5 dB loss, effectively making the antenna gain 1.0 dBi).

We had discussed the RF Exposure requirements for such devices with 100 mW output and low antenna gain, previously with Mr. Kwok of the FCC, and he has told us that incorporating a warning in our User Documentation telling the users "not to touch the antenna, while the transceiver is in use" would be adequate. Samples of user documents with the mentioned statement have been submitted in the application package.

With this letter, we are also enclosing pictures of the host devices and antenna drawings with antenna gains.

Please feel free to contact us, if you have any questions regarding these products.

Best regards,

Kursat Eroglu, MSEE  
Sr. EMC Engineer  
Intermec Technologies Corp.



<b>Model Number</b>	<b>Description</b>	<b>Output Power</b>	<b>Antenna File / Part #</b>	<b>Antenna Gain</b>	<b>RF Safety Distance</b>
<b>5900</b>	Mobile mount terminal	100 mW	Antenna 1 / CAF28771	1.0 dBi	0 cm (antenna not to be touched)
<b>1100</b>	Handheld terminal	"	Antenna 2 / 650-277	0.0 dBi	"
<b>1700</b>	Handheld terminal	"	Antenna 2 / 650-277	0.0 dBi	"
<b>JG2010</b>	Handheld data collection computer	"	Antenna 3 / 060750	1.0 dBi	"
<b>JG2020</b>	Handheld data collection computer	"	Antenna 3 / 060750	1.0 dBi	"
<b>JG2050</b>	Vehicle mount data collection computer	"	Antenna 4 / 060751	1.0 dBi	"
<b>T2455</b>	Vehicle mount terminal	"	Antenna 5 / 066147	1.0 dBi	"
<b>T2485/T2486</b>	Stationary terminal	"	Antenna 5 / 066147	1.0 dBi	"
<b>T2425</b>	Handheld terminal	"	Antenna 6 / 063825	1.5 dBi	"