

P. G. Electronics
800 Arrow Road, Unit 8
Toronto, Ontario M9M 2Z8
Canada

Mar. 18, 2004

Federal Communications Commission
7435 Oakland Mills Road
Columbia, Maryland 21046

Ref.: P6T804CL4

Re:
FCC ID P6T804, 731 Confirmation Number EA233421
Correspondence Reference number: 26513
RF Exposure Information

Response:

Note: Please refer to the revised manual exhibit TM0054RB sent concurrently with this letter.

The device will be connected to both indoor and outdoor fixed antennas. The device is used with an outdoor antenna with a gain of 7.5 dBd. Please refer to Section 3.2 of TM0054RB. The output power of the device is +19 dBm. This results in an ERP of +26.5 dBm (0.45W). Table 1 of 1.1307 shows that evaluation is not required for this ERP. Thus the device meets RF exposure requirements for outdoor configuration.

The exposure limit as specified in Appendix A Table 1(B) of Bulletin 65 is $f/1500$ mw/cm². This limit is therefore 0.59 mw/cm² for the downlink cellular A band (midband at 880MHz). The ceiling mounted indoor antenna will have a maximum gain of 3 dBi (gain of 2.0 over isotropic). Please refer to Section 3.2 of TM0054RB. The device output power is +19 dBm (80mW). Using equation 3 in Section 2 of Bulletin 65, the minimum safe distance is calculated to be 4.7 cm. To be extra conservative, the minimum safe distance has been specified as 20 cm in TM0054RB Section 3.2.

The device will be used in fixed installations only and will not be used in mobile operating configurations.

We hope this addresses the requirement. If any further detailed information is required, P. G. Electronics will provide this information as soon as possible.

Sincerely.

Gerry Graham
P. G. Electronics