

December 18, 2000

Federal Communications Commission
Equipment Authorization Division
Applications Processing Branch
7435 Oakland Mills Road
Columbia, Maryland 21046

To: Errol Chang echang@fcc.gov
From: Jay Sarkar j.sarkar@aprel.com

Subject: Information requested

RE: FCC ID KBCIX250RIM802

Applicant: Itronix Corporation

Correspondence 17383

731 Confirmation No.EA98870

Date of Original e-mail: December 13,2000 1:40 PM

Dear Mr. Chang:

Pursuant to your e-mail to me, dated December 13, 2000, I am forwarding to you our response. The relevant portion of the e-mail from FCC follows with our response inserted in the appropriate place.

1. The latest submitted manual info indicates there are vehicle-mount antenna configurations. This device operates with a Part 90 SMR radio and has indicated in the filing that the radio module will be limited to operate with a maximum duty factor of 25%. At 2 W conducted output, this provides an average output of 500 mW. In order for this transmitter to qualify for the categorical exclusion requirements of 2.1091, the antenna gain must be limited to satisfy a maximum averaged output of 1.5 W ERP; otherwise routine MPE evaluation is required. Please clarify and either provide the necessary information for users to satisfy MPE categorical exclusion requirements or provide MPE evaluation on specific antennas (if cannot qualify for exclusion). Note: you may also want to review the grant conditions on the RIM module to determine if any antenna RIM had tested may be used for this filing.

Proposed Grant Conditions - Output is ERP. Device must operate with a duty factor not exceeding 25%, to be controlled by factory firmware. Device may operate with vehicle-mounted antennas that satisfy categorical exclusion requirements of 2.1091. Users and installers must be provided with the appropriate operating instructions, including vehicle-mount configurations, for satisfying RF exposure compliance. The highest report SAR value is 1.3 W/kg.

Response: *We have elected to provide you with MPE evaluation report on specific antenna: Vehicle-rooftop mounted unity gain ARDIS/CDPD antenna (See MPE report page 9). The MPE evaluation report is being uploaded with this response.*

Equipment Class: Licensed Non-Broadcast Station Transmitter.

Notes: Rugged Laptop PC with RIM 802 DataTAC Radio Modem.

I trust that the above will answer your inquiry. If not, feel free to contact the undersigned. Thanking you in advance for your kind cooperation.

Best regards,

Jayanta (Jay) K. Sarkar
Technical Director, Standards and Certification