

**FEDERAL COMMUNICATIONS COMMISSION**  
**445 TWELFTH STREET SW**  
**WASHINGTON DC 20554**

**INTERNATIONAL BUREAU**  
**SATELLITE RADIOCOMMUNICATIONS**  
**SATELLITE ENGINEERING BRANCH**  
**HOME PAGE: WWW.FCC.GOV/IB**  
**APPLICATION STATUS: (202) 418-2222**

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February 27, 2003

Louis A. Bransford  
Esatel Communications, Inc.  
4900 Seminary Road, Suite 1120  
Alexandra, VA 22311

Re: Call Sign: E020260  
File No. SES-LIC-20020920-01635  
Esatel Communications, Inc. ("Esatel")

Dear Applicant:

We have under consideration the above-captioned application filed by Esatel. For the reasons stated below, Esatel is given a one-time opportunity to amend its application.

Inconsistent data given in the application: the 44.2 dBW EIRP/Carrier listed in Esatel's application neither match the 80.0 dBW cited in the Exhibits, nor equate to the 68.2 dBW/4kHz EIRP Density/Carrier entered in the application. As a result, it is impossible for the staff to process the application.

No information about the VSAT terminals: to file an application for VSAT network, Esatel must include information such as the number of terminals, particulars of operations, and antenna specifications for the terminals.

Additional showing: regarding to the emission with respect to the -167 dBW/sq. mtr/4 kHz power flux density criteria at the shoreline, Esatel states that approximately 55 dB additional path loss is included in obtaining the -173.5 dBW/sq. mtr/4 kHz overall PFD. In our discussion with the Navy, we found it would be helpful if Esatel would explain as how this 55 dB is attained. Accordingly, we ask Esatel to provide the following supplemental information:

- (1) A list of factors contributing to such loss (conducting fences, hills or mountains, walls, buildings, groves of trees, etc.);
- (2) For each factor, the directional loss contribution of that factor, in ten degree increments, from the direction to a nearest shoreline point, for all directions in which the shoreline is less than 100 miles distant;
- (3) A contour of the -167 dBW/sq. mtr/4kHz perimeter taking into account terrain and all other contributing factors such as conducting fences, walls, buildings, groves of trees, etc.;
- (4) A contour of the -167 dBW/sq. mtr/4 kHz perimeter taking into account only terrain.

Accordingly, Esatel must follow the above guideline to amend its application with additional information required.

Further action on the subject application will be withheld for a period of thirty days from the date of this letter to provide Esatel an opportunity to respond. Failure to respond within this time period will result in the dismissal of the application pursuant to 47 CFR §25.112(c). Please note that any major amendment must be submitted to the Commission via Mellon Bank in Pittsburgh, PA in triplicate and signed in the same manner as the original application.

Sincerely,

Hsing Liu  
Electronics Engineer