

**FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554**

July 1, 2003

In Reply Refer To:
File No.: SES-LIC-20030602-00727
SES-STA-2003061800862
Call Sign: E030130

Mr. JOHN W. WHETSTONE
JW Communications
P.O. Box 671
Ellsworth ME 04605

Re: AvL Technologies' application (SES-LIC-20030602-00727) and Special Temporary Authority (SES-STA-2003061800862) to operate a 1.0-meter, 0.96-meter, and 0.75-meter Ku-band antennas via ALSAT.

Dear Mr. WHETSTONE:

Upon examination of the above-referenced application, we find that additional information is necessary before processing may continue. We request that AvL Technologies provide the following information:

1. The answers to question B8, page 5, Schedule B, FCC 312 for the 1.0-meter, 0.96-meter, and 0.75-meter Ku-band antennas are "NO", please provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.
2. Please provide the "antenna gain patterns" including co-polarization and cross-polarization for the proposed 1.0-meter, 0.96-meter, and 0.75-meter Ku-band antennas. We would like to obtain the manufacturer's range test plots of the antenna performance for three frequencies (14000 MHz, 14250 MHz and 14500 MHz for transmit and 11700 MHz, 11950 MHz and 12200 MHz for receive). These plots should provide details between 0 to 9 degrees. Additionally, the plots should indicate the envelope defined under Section 25.209.
3. The proposed 1.0-meter, 0.96-meter, and 0.75-meter Ku-band antennas do not comply with Section 25.209 of the Commission's rules. The operation of the proposed earth stations may cause potential for harmful interference into the adjacent satellites as far as six degrees away from ALSAT. ALSAT satellite operator shall coordinate AvL Technologies' proposed earth station operations with all potentially affected adjacent satellite operators. After the completion of frequency coordination, please submit affidavits from all affected adjacent satellite operators. In addition, the point of communication should not be ALSAT; it should only specify the particular satellite for which the satellite operator has completed the coordination with the adjacent satellites.

Please feel free to contact me on any questions you may have at (202) 418-0742. The requested information must be submitted as an amendment to this application with applicant's signature. If the Commission within 30 days of this letter does not receive the amendment, the application will be dismissed without prejudice as defective and the filing fees will be forfeited.

Sincerely,

Sylvia T. Lam
Engineer, Systems Analysis Branch
Satellite Division
International Bureau

