4. An analysis of the potential for AMS(R)S airborne terminal overload similar to that contained in Table 2.2.3.2.A in Appendix C2 of the ATC Order using the proposed values of EIRP and antenna gain changes.

5. In evaluating your waiver request for section 25.253(a)(2), we reviewed the relevant GSM specifications, and it appears that the specified burst duration is the same for both the full-rate and half-rate vocoders. It would appear based on this information that the additional 0.5 dB reduction in average power would not apply to this situation. Please clarify how you intend to achieve this reduction in average power, assuming you intend to maintain the same transmitter power and GSM burst duration. In addition, your analysis only addresses a TDMA system. Provide a similar analysis showing how the vocoder factor would be applied to a CDMA system.

Please provide this information before COB February 4, 2003, with hand-delivered or electronic courtesy copies to William Bell, William.Bell@fcc.gov, and Kathryn Medley, Kathryn.Medley@fcc.gov. If you fail to provide the information within this time period the captioned applications may be dismissed pursuant to Sections 25.112(c) and 25.152(b) of the Commission's rules.

Sincerely,

/Thomas S. Tycz

Thomas S. Tycz
Chief, Satellite Division
International Bureau

cc: Lon C. Levin
Vice President
Mobile Satellite Ventures Subsidiary LLC
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Reston, VA 20191