

January 5, 2005

Federal Communications Commission – International Bureau  
445 12th Street, S.W.  
Washington, D.C. 20554

Subject: Engineering Certification from SES Americom

To whom it may concern:

This letter certifies that SES Americom Inc. ("SES") is aware of the application filed by New York City Police Department ("NYPD"), a customer of SES Americom's customer, Global Communications Solutions, Inc. ("GCS"), to access the SES satellite, AMC-9 at 83 degrees W.L. licensed by the Federal Communications Commission ("FCC"), using Ku-band transmit/receive antennas that are not strictly compliant with the FCC 2-degree spacing requirements for off-axis sidelobe gain. The SES AMC-9 satellite provides coverage of the Continental United States (CONUS) from its orbital location at 83 degrees W.L. SES has provided Intelsat with a list of SES transponders currently assigned to support transmissions from this antenna and, for purposes of inter-system coordination, will promptly provide Intelsat with relevant information for any additional or different transponders provided by SES.<sup>1</sup>

SES Americom understands that NYPD will be deploying one AvL Model 960 transmit/receive transportable remote terminal with a 96cm circular aperture. The proposed antenna is not strictly compliant with the FCC part 25 rules. This antenna generally exhibits non-compliance in the region from 1.25 to 1.72 degrees off axis from maximum gain in the transmit band, due to the width of the main gain lobe. It is compliant with the side lobe pattern requirements specified in Section 25.209 of the Commission's Rules for off-axis angles starting at 1.72 degrees in the transmit band. The antenna will be operated with a nominal pointing accuracy of less than or equal to +/- 0.20 degrees and will operate at a maximum input power density at the antenna waveguide flange of -14 dBW/4 kHz, compliant with the -14.0 dBW/4 kHz FCC maximum for 2-degree compliant systems and routine licensing<sup>2</sup>.

<sup>1</sup> Intelsat agrees to keep all transponder specific information it acquires from SES confidentially and shall not disclose such information to any third parties.

<sup>2</sup> 47 CFR § 25.134