

Attachment A

Mobile Satellite Ventures Subsidiary LLC ("MSV") hereby seeks a two-year experimental license to test and demonstrate twelve (12) prototype dual-band (cellular/L-band) Code Division Multiple Access ("CDMA") cellular handsets that will be capable of providing voice and data services over L-band MSS satellites when attached to an external companion device.

MSV holds an FCC license to operate a Mobile Satellite Service ("MSS") satellite (AMSC-1) at 100.95°W using frequencies in the L-band (1525-1559 MHz (downlink) and 1626.5-1660.5 MHz (uplink)) that have been coordinated for its system through the international L-band frequency coordination process. MSV also holds FCC blanket mobile terminal licenses to operate with AMSC-1. In addition, MSV holds FCC blanket mobile terminal licenses to operate with MSAT-1, the Canadian L-band MSS satellite at 106.5°W licensed by Industry Canada to Mobile Satellite Ventures (Canada) Inc.

For purposes of testing and demonstrating the dual-band handsets proposed herein, MSV's satellite (AMSC-1) and the companions will transmit on frequencies that have been coordinated for AMSC-1 by the FCC through the international L-band frequency coordination process as well as on frequencies that have been coordinated for the Canadian-licensed MSAT-1 satellite by Industry Canada. As indicated in the attached statement, MSV Canada consents to the use of certain segments of its coordinated spectrum on AMSC-1 for testing and demonstration of these handsets.

MSV seeks to test and demonstrate prototype dual-band handsets that are capable of being operated as fully functional cellular CDMA handsets or, when attached to an external companion device, capable of providing voice and data services over the AMSC-1 and MSAT-1 satellites. The handsets will be derived from a cellular CDMA phone, but will be redesigned internally to operate not only on commercial cellular frequencies but on L-band frequencies as well. The companion will be attached to the handset via a cable or other direct electrical connection, and will be detachable for use as a cellular CDMA handset.

When the handset/companion pair is operated in satellite mode, the forward link (space-to-Earth direction) L-band signal from MSV's satellite will be received by the companion, which will amplify the signal, and then pass the signal via a small coaxial cable to the handset for demodulation. In the return (Earth-to-space) direction, the companion will accept the transmitted signal (already at L-band) from the handset, amplify the signal, and then transmit the signal to the satellite. When the companion is operated in cellular mode (companion detached) the handset will operate as a standard cellular CDMA handset.

MSV's current satellite and mobile terminal licenses authorize it to transmit a single-carrier-per-frequency Frequency Division Multiple Access ("FDMA") signal. For this experiment, MSV's satellite and the companions will instead transmit a 1.25 MHz-wide CDMA signal. Minimal modifications (*e.g.*, protocol timers) will be made to the CDMA2000 air-interface to enable operation over the satellite link. The companion and handset combination

will fully comply with power, out-of-band emission, and other technical limits applicable to MSV's licensed L-band METs.

Early testing and demonstration will take place in Reston, Virginia. However, by design, the test hardware will support demonstrations throughout the footprint of all beams of the AMSC-1 satellite. Therefore, in order to have the ability to test and demonstrate the handsets to prospective business partners throughout the country, MSV requests a nationwide experimental license for these handsets. Because there will be a maximum of twelve handsets, testing and demonstration will take place from at most twelve locations at a time.

Should these tests and demonstrations prove successful, MSV will seek a modification of its blanket mobile terminal license in order to obtain permanent authority and will seek equipment certification, as needed.

CERTIFICATION

Mobile Satellite Ventures (Canada) Inc. ("MSV Canada") hereby states that, subject to the concurrence of Industry Canada, it grants Mobile Satellite Ventures Subsidiary LLC ("MSV") the right to operate its AMSC-1 satellite on certain frequencies that have been coordinated for the Canadian-licensed MSAT-1 satellite by Industry Canada for purposes of conducting the experimental operations discussed herein.



Robert Power
Vice President, Regulatory Matters
Mobile Satellite Ventures (Canada) Inc.
1601 Telesat Court
Ottawa, Ontario K1B 5P4

Dated: January 21, 2005

CERTIFICATION

I, William Chapman, of Mobile Satellite Ventures Subsidiary LLC ("MSV"), certify under penalty of perjury that:

I am the technically qualified person with overall responsibility for preparation of the information contained in the foregoing. I am familiar with the requirements of the Commission's rules, and the information contained in the foregoing is true and correct.

Executed on January 21, 2005


Dr. William Chapman
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