

Exhibit B

Statements Regarding FAA Notification and Access Technique

This exhibit addresses the FAA notification requirement and the TDMA access technique to be used with the 3.7 meter earth stations.

Statement and Explanation of Exemption from FAA Notification

Pursuant to 47 C.F.R. § 17.14 (b) and 47 C.F.R. § 25.113 (c), FAA notification is required for any antenna structures that exceed 6.1 meters in height. The Spacenet 3.7 meter earth stations, which are the subject of this application, are less than 6.1 meters in height and these antennas will not significantly add to the height of the surrounding structure so as to cause a hazard to aircraft. Therefore, the 3.7 meter earth stations, which are the subject of this application, are exempt from the FAA notification described in Schedule B question E20.

Explanation of Access Technique and Maximum Power Spectral Density

As required by 47 C.F.R. § 25.130 (a)(3) & (4) and 47 C.F.R. § 25.134 (g)(1) we report that these earth stations will employ a DVB-RCS based reservation access scheme. In a DVB-RCS network carrier transmissions are synchronized to a common reference and allocated, or reserved, time and frequency slots by a master control station thereby avoiding collisions. The synchronized earth stations transmit in discrete time “slots” utilizing a time division multiple access (“TDMA”) access technique. The maximum transmitter power spectral density of a digital modulated carrier into any GSO FSS earth station antenna is defined in 47 C.F.R. § 25.134 (g)(1) as:

$$-14.0 -10\log(N) \text{ dB(W/4 kHz)}$$

The parameter “N” is defined in 47 C.F.R. § 25.134 (g) (1) to equal “1” for networks employing TDMA random access techniques. Since the value of $10\log(1)$ equals zero, the maximum transmitter power spectral density of a digital modulated carrier into any GSO FSS earth station antenna using a TDMA access scheme is equal to:

$$-14.0 \text{ dB(W/4 kHz)}$$

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All EIRP spectral density values requested herein are at or below -14 dB(W/4kHz).

Therefore, the requested authorization does not exceed the maximum transmitter power spectral density of -14.0 dB(W/4 kHz) at the input to the 3.7 meter earth station antenna as required by 47 C.F.R. § 25.134 (g)(1).

