

AMENDMENT EXHIBIT REGARDING TWO-DEGREE
SPACING REQUIREMENT AND ANTENNA PATTERNS

I. Introduction

Skynet Satellite Corporation (“Skynet”) hereby amends its application for new transmit/receive earth station authorization (SES-LIC-20090623-00784) by providing the following information regarding its proposed antenna operations.

Skynet is seeking authority to operate a Prodelin 2.4-m antenna, which does not strictly comply with Section 25.209 of the Commission’s Rules. However, pursuant to Section 25.218 of the Commission’s Rules, an applicant may request routine processing of an application if it can provide documentation indicating that the proposed antenna operations would meet the applicable off-axis EIRP envelope.

Pursuant to the Part 25 Earth Station *Fifth Report and Order*, the International Bureau maintains a list of approved non-conforming earth station antennas. Earth station applicants proposing to use an antenna on this list no longer need to attach antenna radiation plots as an exhibit to their applications, as required by section 25.132(b)(3) of the Commission’s Rules, 47 C.F.R. § 25.132(b)(3). Rather, applicants need only provide an attachment to their applications citing the particular antenna they plan to use, and an application file number and call sign of a license in which that type of antenna has been approved. Barring any countervailing considerations, the Bureau will consider granting the application for the non-conforming antenna, providing the applicant proposes the same kinds of services as the operator of the previously authorized antennas under the same or substantially similar operating conditions.

In the current case, Skynet is relying upon two previous applications in which authority was sought and granted to operate a 2.4-m antenna with similar parameters as its proposed earth station. *See first*, SES-LIC-20080717-00949, Call Sign E080170, license issued to Intelsat LLC; and subsequently, SES-LIC-20091110-01440, Call Sign E090201, license issued to AST Telecom, LLC. The Intelsat license appears on the Bureau’s list of approved non-routine earth station antennas. The AST Telecom application, recently granted, has not yet been added to that list. However, because the AST Telecom application also included the table information required under Section 25.218 of the Commission’s Rules, Skynet is also referencing it so that the documentation it is referencing includes both the antenna patterns and corresponding tables in order to satisfy the reporting requirements outlined in Section 25.218.

II. Summary and Certifications

The antenna pattern submitted with the instant amendment exceeds the sidelobe specification established in Section 25.209.

It is shown in this amendment that the proposed antenna operations would meet the applicable off-axis EIRP envelope specified in Section 25.218.

Skynet certifies that it will limit its pointing error to 0.5°.

Skynet acknowledges that its proposed antenna will be protected from radio interference caused by other space stations only to the degree to which harmful interference would not be expected to be caused to an earth station employing an antenna conforming to the referenced patterns defined in Section 25.209.

For the foregoing reasons, Skynet respectfully requests that the instant amendment and the underlying application for new station authority to which it applies be granted.