

DESCRIPTION OF MODIFICATION APPLICATION

Skynet Satellite Corporation (“Skynet”) seeks authority to modify its authorization for Telstar 12 by specifying beam Configuration 2 instead of beam Configuration 1.

In Exhibit A of its application to relocate Telstar 12 to 109.2° W.L., Skynet described two possible spot-beam configurations: Configuration 1 and Configuration 2.¹ The International Bureau requested that Skynet specify which beam configuration Telstar 12 would operate in initially at 109.2° W.L.² Skynet selected Configuration 1,³ and Skynet’s relocation application was granted on that basis.

Skynet’s customers, however, now are seeking coverage based on Configuration 2. Skynet, therefore, is requesting modification of its FCC license for Telstar 12 to specify Configuration 2.

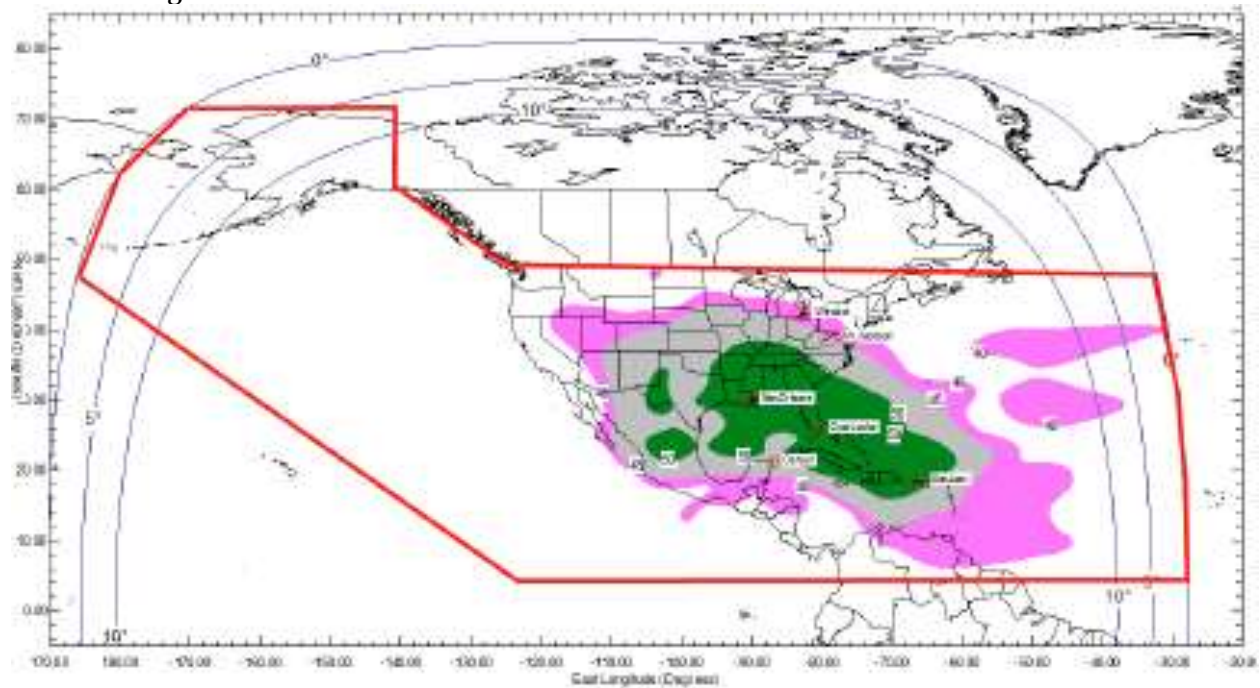
The figure below depicts Configuration 2. Beam B is shown in its nominal position over the United States and the Caribbean. Beams A and C are turned off. The extent of the Beam B steerable range requested is indicated by the red bounding box. Beam B has 12 usable transponders with bandwidths of 54 MHz each. The uplink frequencies fall within both Standard and Extended-Ku (respectively, 14.0-14.5 and 13.75-14 GHz), while the downlink frequencies fall entirely within Extended-Ku band (10.95-11.2 and 11.45-11.7 GHz). All 12 transponders operate in loop-back.

¹ Skynet Satellite Corporation, Application on FCC Form 312 for modification of call sign 2462, File No. SAT-MOD-20160513-00050, Exhibit A.

² See Letter from Jose Albuquerque to Joseph Godles requesting additional information in FCC File No. SAT-MOD-20160513-00050 (June 29, 2016).

³ See letter from Joseph Godles to Jose Albuquerque responding to request for additional information (July 1, 2016).

T12 Coverage Configuration 2: only Beam B is active. The red rectangle indicates the extent of its steerable range.



Skynet's operations in the Extended-Ku band (10.95-11.2 and 11.45-11.7 GHz) using Configuration 2 will be limited to: (1) international links; and (2) ESV, VMES, and ESAA links that are operated in accordance with footnote NG52 of the Table of Frequency Allocations. Skynet, therefore, is not seeking a waiver of footnote NG52.

Grant of Skynet's modification application is in the public interest because it will enable Skynet to tailor its operations to the needs of the public. Accordingly, Skynet respectfully requests that the modification application be granted.