

HNS Licensee Sub, LLC
Modification Application
Call Sign WE2XEW
June 2017

MODIFICATION APPLICATION TO ADD POINT OF COMMUNICATION

By this application, HNS License Sub, LLC (“Hughes”), hereby requests a modification of its license for experimental Call Sign WE2XEW, File No. 0229-EX-CR-2017, to add the Intelsat 29e space station at 50° W.L. (Call Sign S2913) and the Sky-B1 space station at 43.15° W.L. (Call Sign S2922) as additional points of communication in the Ku-band fixed-satellite service frequencies (14.0-14.5 GHz). The addition of Intelsat 29e and Sky-B1 as points of communication would provide two valuable new satellite platforms that will enable Hughes to continue its domestic testing, demonstration and training operations of mobile terminals in the continental United States. Further, the addition of these points of communication will increase Hughes’ ability to find suitable satellite capacity that will ensure its ability to satisfy its obligation not to cause harmful interference through the terminals it is authorized to use. Having the flexibility to look to multiple satellites for the space segment component ensures the minimization of the potential for undesired interference resulting from the ongoing experimentation program.

This modification application proposes no change whatsoever to the technical characteristics of the license for Call Sign WE2XEW as authorized in its May 15, 2017 renewal grant. All technical operations with the Intelsat 29e and Sky-B1 satellites will be consistent with the terms of the existing authorization. Prior to commencement of operations using Intelsat 29e

or Sky-B1, Hughes will coordinate its use of antennas authorized under Call Sign WE2XEW with Intelsat, LLC (the operator of both satellites) and other nearby co-frequency satellites.

In view of the benefits outlined above and the absence of a need for detailed technical review, Hughes respectfully requests the expeditious consideration and grant of this application.