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July 22, 2015

Jennifer D. Hindin
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VIA ELECTRONIC FILING

Marlene H. Dortch, Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Re: Withdrawal of Request for Confidential Treatment
Iridium Constellation LLC; Application for Modification of Non-
Geostationary Mobile Satellite Service System Authorization (S2110) To
Launch and Operate Replacement Satellites; Call Sign S2110;
File No. SAT-MOD-20131227-00148

Dear Ms. Dortch:

On October 31, 2014, Iridium Constellation LLC (“Iridium”), by counsel, filed a letter in this proceeding with information provided by Harris Corporation (“Harris”) in response to Federal Communications Commission questions regarding the Harris payload that will be hosted on Iridium NEXT.¹ At that time, upon request of Harris, Iridium sought confidential treatment for portions of the letter discussing the frequencies to be used on the hosted payload, which Harris and its partners had taken steps to keep confidential.

Since the filing of that letter, Harris has completed testing of the hosted payload and has made public the service and frequencies that it will support. Specifically, the Harris hosted payload will provide a satellite-based Automatic Identification System (AIS) service. The Harris Corporation hosted payload has the capability to receive throughout the 156.0125-162.0375 MHz frequency range (marine VHF band). Operation of the hosted payload will consist of the reception of signals within the marine VHF band including but not limited to channels designated for Automatic Identification System (“AIS”) signals at 161.9625-161.9875 MHz and 162.0125-162.0375 MHz. The Harris Corporation hosted payload does not transmit. In addition, frequency protection is not requested for any channel in which the hosted payload operates (*i.e.*, receive only).

¹ See Letter from Jennifer D. Hindin, Counsel to Iridium, to Marlene H. Dortch, Secretary, Federal Communications Commission, IBFS File No. SAT-MOD-20131227-00148 (filed Oct. 31, 2014).



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Accordingly, Iridium hereby withdraws its request for confidential treatment of the October 31, 2014 letter. Attached to this letter is an unredacted version of the October 31, 2014 letter, for inclusion in the public record.

Please contact the undersigned with any questions regarding this letter

Respectfully Submitted,

/s/ Jennifer D. Hindin
Jennifer D. Hindin
Counsel for Iridium Constellation, LLC

Attachment

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CERTIFICATE OF SERVICE

I, Virginia Pommerening, do hereby certify that on this 22nd day of July 2015, I caused copies of the foregoing Letter to be delivered to the following via First Class U.S. mail:

Daryl T. Hunter
Senior Director, Regulatory Affairs
Chris Hofer
Director, Regulatory Affairs
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/s/
Virginia Pommerening

ATTACHMENT

UNREDACTED VERSION OF OCTOBER 31, 2015 LETTER



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October 31, 2014

Jennifer D. Hindin
Partner
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VIA IBFS

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Iridium Constellation LLC; Application for Modification of Non-Geostationary Mobile Satellite Service System Authorization (S2110) To Launch and Operate Replacement Satellites; Call Sign S2110; File No. SAT-MOD-20131227-00148

Dear Ms. Dortch:

Iridium Constellation LLC (“Iridium”), by its counsel, files this letter with information provided by Harris Corporation in response to FCC questions regarding the Harris Corporation hosted payload for inclusion in the record of the above-referenced application to modify Iridium’s space station authorization for its Non-Geostationary Satellite Orbit (“NGSO”) Mobile Satellite Service (“MSS”) constellation (call sign S2110) to include the Iridium NEXT second-generation satellites.

The Harris Corporation hosted payload has the capability to receive throughout the 156-162 MHz band (marine VHF band), which includes the Automatic Identification System (“AIS”) signals at 161.9625-161.9875 MHz and 162.0125-162.0375 MHz. The Harris Corporation hosted payload does not transmit in any frequency band. Harris Corporation will seek a separate license to operate this hosted payload only if future modifications are made that add RF transmit capability.

The Harris Corporation hosted payload will be connected to Iridium Ka-band feeder links (29.1-29.3 GHz and 19.4-19.6 GHz) and inter-satellite cross links (22.18-22.38 GHz) in the same manner as the separate Aireon LLC hosted payload.² Specifically, the Harris Corporation hosted payload will receive

² The Iridium NEXT satellite system also has an Aireon LLC hosted payload that receives information on 1090 MHz for Automatic Dependent Surveillance – Broadcast (“ADS-B”) services. See Legal Narrative, at 3. The Aireon LLC ADS-B receiver is planned to be authorized by another administration. *Id.* The Aireon LLC hosted payload is connected to Iridium feederlinks and inter-



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information, create a message containing the information, and place it on the data interface to the Iridium NEXT satellite. The Iridium NEXT satellite will then embed the hosted payload data with other Iridium NEXT data packets and send it to the ground via the Ka-band feeder link. Similarly, command and control data for the hosted payload is integrated into Iridium NEXT telemetry, command, and control (“TT&C”) data on the ground for transmission via the satellite Ka-band uplink.

Best regards,

/s/ Jennifer D. Hindin

Jennifer D. Hindin
Counsel for Iridium Constellation LLC

(Continued . . .)

satellite links. Opposition of Iridium Constellation LLC, IBFS File No. SAT-MOD-20131227-00148 (filed Apr. 15, 2014).

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CERTIFICATE OF SERVICE

I, Jackie Martin, do hereby certify that on this 30th day of October 2014, I caused copies of the foregoing Letter to be delivered to the following via First Class U.S. mail:

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/s/
Jackie Martin