

**Date: 27 July 2017**

**Ref: *Ex Parte* Letter**

IBFS File Number: SAT-LOA-20170508-00071

Marlene H. Dortch  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

Dear Ms. Dortch:

By this letter, Astro Digital U.S., Inc. (“Astro Digital”) supplements the above-referenced application in response to a request from the International Bureau (“Bureau”) regarding: 1) the National Oceanic and Atmospheric Administration (“NOAA”) earth imaging license issued to Astro Digital; and 2) an analysis of the impact to the Iridium constellation from the use of Globalstar modems for inter-satellite service (“ISS”).

As part of the NOAA application process, Astro Digital submitted end-of-life (“EOL”) disposal plans for its Landmapper constellation (both BC and HD components). NOAA approved the applications, and Astro Digital currently holds a NOAA licenses for its Landmapper constellation (both BC and HD components). Accordingly, FCC review and approval of Astro Digital’s EOL disposal plan for the Landmapper constellation (both BC and HD components) is not necessary.<sup>1</sup>

Astro Digital has discussed with Globalstar the matter of potential interference to the Iridium system as a result of the use of Globalstar modems for ISS. Globalstar uses the 950 kHz of spectrum shared with Iridium, i.e., channel 7, at various places around the world. In short, Astro Digital has agreed not to transmit on the shared GlobalStar/Iridium Channel 7 band for our ISS operations.

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<sup>1</sup> See *Mitigation of Orbital Debris*, 19 FCC Rcd 1157, 11610 (2004).



Astro Digital Inc.  
340 Cody Rd, Moffett Field CA 94035

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Best Regards,

DocuSigned by:

Chris Biddy

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Chris Biddy  
Chief Executive Officer  
Astro Digital US, Inc.

s/\_\_\_\_\_

Jan A. King  
Chief Technical Officer  
Astro Digital US, Inc.

cc: Sankar Persaud  
Alyssa Roberts