



June 20, 2016

Terrestar Solutions Inc.  
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Suzanne Lambert  
Director  
Spectrum Engineering and Planning Directorate  
Engineering, Planning and Standards Branch  
Spectrum, Information Technologies and Telecommunications Sector  
Innovation Science and Economic Development  
235 Queen St.  
Ottawa ON  
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Dear Ms. Lambert:

This letter is to respond to paragraph 79 of the department's AWS-4 decision: *Decision on a Policy, Technical and Licensing Framework for Mobile Satellite Service and Advanced Wireless Service (AWS-4) in the Bands 2000-2020 MHz and 2180-2200 MHz*, released in December 2014.

In paragraph 79 of that decision, the department stated that "Industry Canada will allow the ATC licensee to decide if the terrestrial use of the band 2000-2020 MHz will be for uplink or downlink operations. The licensee must notify Industry Canada by May 20, 2016. The decision for uplink or downlink operations will apply to all of Canada for the rest of the licence term." This date was subsequently changed to June 27th, 2016 via a letter from the department to Terrestar Solutions (Terrestar) dated May 12, 2016.

As you are aware, Terrestar's decisions on the use of its spectrum is very much impacted by international handset ecosystem developments. For this band of particular, the importance of the work of the AWS-4 and MSS licensee in the United States, Dish Networks (Dish), and one of our shareholders, must be taken into account as they are very much driving the 3GPP standards setting process for this frequency range. Terrestar intends to bring the benefits of use of the AWS-4 spectrum to Canadians by leveraging the ecosystem developed by Dish, and allowing Canadians to use standard mobile telephony equipment and to enhance the capacity for mobile high speed internet services to Canadians.

On June 1<sup>st</sup> 2016, Dish elected to use the 2000 – 2020 MHz frequency band in the downlink direction (letter attached). They are working with the 3GPP to pair this band with the 1695 – 1710 MHz uplink

band and the 1995 – 2000 MHz band (formerly the H block downlink), all of which they are currently licensed for in the US. This new band, called Band 70, was recently defined at 3GPP and working items and testing are already in progress to eventually make the new band ecosystem a reality. Terrestar is very supportive of this strategy and intends to use the same pairing which will no doubt be incorporated into at least North American mobile handsets once the 3GPP process has concluded.

Terrestar is therefore electing to use the 2000 – 2020 MHz band in the downlink direction for its AWS-4 service. As MSS service is a critical component of its business plan, Terrestar also wants to assure the department that it will take all steps necessary to ensure that this election will not impact MSS services which Terrestar plans to offer nationally to Canadians in rural and remote areas of the Canada.

Terrestar encourages the department to take the necessary steps to ensure that when the 3GPP process concludes, and decisions are made by equipment manufacturers to produce handsets for the North American market, that this frequency band can be put to use for the benefit of Canadians. Terrestar is prepared to assist the department in whatever way it deems helpful in achieving this goal.

Should you have any questions on the request contained in this letter or wish to follow-up with us, please do not hesitate to contact the undersigned.

Yours truly,

*Jan Skora*

Jan Skora  
Vice President  
Regulatory Affairs



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June 1, 2016

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

Re: Election of Terrestrial Downlink Operations in the Lower AWS-4 Band (2000-2020 MHz), WT Docket No. 13-225, *DISH Network Corporation Petition for Waiver of Sections 27.5(j) and 27.53(h)(2)(ii) of the Commission's Rules and Request for Extension of Time*

Dear Ms. Dortch:

Pursuant to the Memorandum Opinion and Order, DA 13-2409, in WT Docket 13-225, DISH Network Corporation, DBSD Services Limited, and Gamma Acquisition L.L.C. (together, "DISH") were granted, among other things, the option to elect to use the Lower AWS-4 Band (2000-2020 MHz) for terrestrial downlink operations.<sup>1</sup> DISH hereby states unequivocally its election applicable to all AWS-4 licenses of terrestrial downlink—not terrestrial uplink—operations at 2000-2020 MHz.<sup>2</sup>

Please contact the undersigned if you have any questions.

Respectfully submitted,

/s/ Jeffrey H. Blum  
Jeffrey H. Blum

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<sup>1</sup> DISH Network Corporation Petition for Waiver of Sections 27.5(j) and 27.53(h)(2)(ii) of the Commission's Rules and Request for Extension of Time, *Memorandum Opinion and Order*, 28 FCC Rcd. 16787 (2013).

<sup>2</sup> This election has no effect on the MSS licenses held by DISH.