



December 12, 2016

**VIA IBFS**

Dr. Jose P. Albuquerque  
Chief, Satellite Division  
International Bureau  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, DC 20554

**Re: Spectrum Five LLC**  
**IBFS File No.: SAT-LOI-20160906-00087**  
**Call Sign: S2971**

Dear Dr. Albuquerque:

Spectrum Five LLC ("Spectrum Five") respectfully responds to your November 10, 2016 request for additional information and clarifications:

1. The orbital longitude value in Table S8(d) of Schedule S should be 95.15° W.L. and not 110.9° W.L. This value has been corrected in the enclosed Schedule S.
2. The Spectrum Five BSSNET2A-95W satellite will be located at the 95.15° W.L. orbital location within an E-W station-keeping maximum of  $\pm 0.05^\circ$ . That satellite will not penetrate the station-keeping box of the GALAXY-3C (S2381), Intelsat 30 (S2887), and Intelsat 31 (S2924) satellites, which are co-located at 95.05° W.L. and which operate within an E-W station-keeping maximum of  $\pm 0.05^\circ$  in accordance with their conditions of authorization and 47 C.F.R. § 25.210(j).<sup>1</sup> Intelsat has confirmed

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<sup>1</sup> See Stamp Grant, Conditions of Authorization, *Galaxy 3C (from 95W to 95.05W)*, SAT-MOD-20040405-00079 (June 15, 2004); Stamp Grant, Attachment to Grant, *Authority to Launch and Operate Intelsat 30 Satellite at 95.1 W.L.*, SAT-LOA-20121025-00187 (Aug. 14, 2014); Stamp Grant, Attachment to Grant, *Authority to Launch and Operate Intelsat 31 Satellite at 95.05 W.L.*, SAT-LOA-20140410-00038 (Nov. 6, 2014).

that there will be no “overlap with the station-keeping box of the 17/24 GHz satellite that is licensed to operate at 95.15° W.L.”<sup>2</sup>

3. With regard to the Space Path Interference Analysis in Appendix B of the Technical Narrative, the nearest operational 12 GHz direct broadcast satellite space station is located at the 100.85° W.L. orbital location (DIRECTV 8, Call Sign 2632).<sup>3</sup> The text on page 38 of the original Technical Narrative incorrectly listed the orbital location for that satellite as 110.2° W.L. A corrected version of Appendix B is enclosed.

Please contact me if you have any additional questions. Please copy my outside counsel, Scott Angstreich (sangstreich@khhte.com), on any future communications or correspondence related to this application.

Respectfully Submitted,

Spectrum Five LLC

/s/ David Wilson

President  
SPECTRUM FIVE LLC

Enclosures

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<sup>2</sup> Application Narrative at 2, *Amendment to Application for Authority to Launch and Operate Intelsat 30 at 95.1° W.L.*, SAT-AMD-20121221-00220 (Dec. 21, 2012).

<sup>3</sup> See Stamp Grant, Attachment to Grant, *D8 Extension Request*, SAT-MOD-20150304-00009 (May 28, 2015).