



THEIA GROUP, INCORPORATED

Joseph Fagnoli  
Chief Technology Officer  
Theia Group, Inc.  
1600 Market Street  
Suite 1320  
Philadelphia, PA 19103

September 19, 2018

Stephen Duall  
Chief, Policy Branch of the Satellite Division  
International Bureau  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 20554

Re: Response of Theia Holdings A, Inc.  
File No. SAT-LOA-20161115-00121 (Call Sign S2986)

Dear Mr. Duall:

In response to your request, please find attached a table identifying the passive sensor frequencies that will be observed by the microwave radiometer identified in the above-referenced application of Theia Holdings A, Inc.<sup>1</sup> If you have any questions, please contact the undersigned.

Respectfully submitted,

Joseph Fagnoli  
Chief Technology Officer  
Theia Group, Inc.

Attachment

---

<sup>1</sup> See, e.g., Theia Application, IBFS File No. SAT-LOA-20161115-00121, at 18, 20, 22, 31, 55, and 56 (filed Nov. 15, 2016).

**Attachment**Passive Sensor Frequencies<sup>2</sup>

Frequency Band	Relevant Allocations
1420-1427 MHz	Earth exploration-satellite (passive) Space research (passive)
1660.5-1668.4 MHz	Space research (passive)
2655-2690 MHz	Earth exploration-satellite (passive) Space research (passive)
8.55-8.65 GHz	Earth exploration-satellite (active) Space research (active)
9.3-9.9 GHz	Earth exploration-satellite (active) Space research (active)
10.6-10.7 GHz	Earth exploration-satellite (passive) Space research (passive)

---

<sup>2</sup> For the avoidance of doubt, Theia will not transmit in any of the bands listed below.