



## THEIA GROUP, INCORPORATED

Joseph Fagnoli, CTO  
Theia Group, Inc.  
1455 Pennsylvania Ave NW  
Washington, DC 20004

May 26, 2020

### VIA ELS

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

Dear Ms. Dortch:

By this letter, Theia Holdings A, Inc. (Theia) submits the required Federal Aviation Administration (FAA) pre-coordination documentation in support of Theia's pending request for Federal Communications Commission (Commission) experimental authority, ELS File No. 0090-EX-CN, 2020, to test a synthetic aperture radar (SAR) to validate the effectiveness and operating parameters of the L-band SAR technology to be used in the Theia Satellite Network.<sup>1</sup>

The FAA tracking numbers associated with Theia's pre-coordination of the operations contemplated in the experimental license application, which correspond to the three geographic areas identified in the application, are TRK 200227 (NG T200231), TRK 200228 (NG T200232), and TRK 200229 (NG T200233), and copies of the FAA pre-coordination records are attached hereto. The FAA has indicated its concurrence to each of the three coordination requests.

In light of the completion of the requisite FAA coordination of its experimental operations, Theia respectfully requests that the Commission expeditiously grant the Theia application. Should you have any questions regarding the foregoing or require additional information, please contact the undersigned.

Sincerely,

/s/ Joseph D. Fagnoli

Joseph D. Fagnoli  
Chief Technology Officer

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<sup>1</sup> See *Theia Holdings A, Inc.; Request for Authority to Launch and Operate a Non-Geostationary Satellite Orbit System in the Fixed-Satellite Service, Mobile-Satellite Service, and Earth-Exploration Satellite Service*, Memorandum Opinion and Order, IBFS File Nos. IBFS File No. SAT-LOA-20161115-00121 and SAT-AMD-20170301-00029, FCC 19-42 (rel. May 10, 2019)

**TRK 200227 (NG T200231) Summary**

Attribute	Record Parameter
Serial Number	NG T200231
Frequency	M1275.0000
City	SYRACUSE
State	NY
Transmitter Radius	32
Transmitter Latitude	430744.00N
Transmitter Longitude	0755030.00W
Antenna Height	0003
Receiver Latitude	430744.00N
Receiver Longitude	0755030.00W
Service Type	
Equipment Type	C,SYA SRC-8167,PD15
Antenna Type	PLANARARRY
Flight Level	
Runway Number	

**TRK 200228 (NG T200232) Summary**

Attribute	Record Parameter
Serial Number	NG T200232
Frequency	M1250.0000
City	FORT DRUM NY
State	NY
Transmitter Radius	32
Transmitter Latitude	440744.00N
Transmitter Longitude	0753832.00W
Antenna Height	0000
Receiver Latitude	440744.00N
Receiver Longitude	0753832.00W
Service Type	
Equipment Type	C,SYA SRC-8167,PD15M
Antenna Type	LINEARARRY
Flight Level	
Runway Number	

**TRK 200229 (NG T200233) Summary**

Attribute	Record Parameter
Serial Number	NG T200233
Frequency	M1315.0000
City	BOARDMAN
State	OR
Transmitter Radius	32
Transmitter Latitude	454454.00N
Transmitter Longitude	1194738.00W
Antenna Height	0000
Receiver Latitude	454454.00N
Receiver Longitude	1194738.00W
Service Type	
Equipment Type	C,SYA SRC-8167,PD15
Antenna Type	LINEARARRY
Flight Level	
Runway Number	