

Exhibit A

DESCRIPTION OF STA REQUEST

I. DESCRIPTION OF STA REQUEST

Inmarsat Mobile Networks, Inc. (“Inmarsat Mobile Networks”) hereby requests special temporary authority (“STA”) on a non-protected, non-interference basis to operate three earth station user terminal types each to be located in Lino Lakes, Minnesota; Victor, New York; Reston, Virginia; and Chantilly, Virginia (a total of 3 antenna units), to facilitate over-the-air testing of the Inmarsat Global Xpress Ka band network components using the Inmarsat 5 F2 (“I5 F2”) satellite located at 55° W.L. The earth station antennas are the Skyware Sky98, L3 Panther, and L3 Cheetah (“Antennas”). All operations pursuant to this STA would be at fixed locations and will be operated through the Lino Lakes Satellite Access Station authorized under call sign E120072. I5 F2 has been authorized for U.S. market access from the 55° W.L. orbital location and is authorized to communicate with the Lino Lakes Satellite Access Station.¹

The user terminal operations will be closely monitored by the Inmarsat Network Operations Center (NOC) and various engineering teams associated with the testing to ensure compliance with the requested authority. . It is expected that the Antennas will be used starting September 28, 2015 for up to 30 days.

The operational characteristics of each of the Antennas are listed below.²

Skyware Sky98

Antenna Diameter: 98 cm
Transmit Frequencies: 29.5-30 GHz
Transmit Polarisation: RHCP
Maximum EIRP: 51.8 dBW
RF Modulation: 8 APSK (max)
Minimum Elevation for Transmission: 5 degrees
Emission Designator: 7M00G1W
Antenna Gain: 47.2 dBi

Receive Frequencies: 19.7-20.2 GHz
Receive Polarisation: LHCP
Maximum Spacecraft EIRP: 54dBW
RF Modulation: 16 APSK
Azimuth Range: 360 degrees
Emission Designator: 32M0G7W
Antenna Gain: 43.8 dBi

¹ See, Inmarsat Mobile Networks, Inc., Granted March 30, 2015, (Call Sign E120072; IBFS File No. SES-LIC-20120426-00397) (“*Lino Lakes Order*”).

² Although the L3 Cheetah model bears a similar name to an earth station listed in a previous Global Xpress earth station license application by Inmarsat, the model contemplated in this STA differs slightly and the operation characteristics are instead listed in the aforementioned table.

L3 Panther

Antenna Diameter: 85 cm
Transmit Frequencies: 29.5-30 GHz
Transmit Polarisation: RHCP
Maximum EIRP: 49.2 dBW
RF Modulation: 8 APSK (max)
Minimum Elevation for Transmission: 5 degrees
Emission Designator: 7M00G1W
Antenna Gain: 43.07 dBi

Receive Frequencies: 19.7-20.2 GHz
Receive Polarisation: LHCP
Maximum Spacecraft EIRP: 54dBW
RF Modulation: 16 APSK
Azimuth Range: 360 degrees
Emission Designator: 32M0G7W
Antenna Gain: 39.8 dBi

L3 Cheetah

Antenna Diameter: 60 cm
Transmit Frequencies: 29.5-30 GHz
Transmit Polarisation: RHCP
Maximum EIRP: 52.6 dBW
RF Modulation: 8 APSK (max)
Minimum Elevation for Transmission: 5 degrees
Emission Designator: 7M00G1W
Antenna Gain: 45.9 dBi

Receive Frequencies: 19.7-20.2 GHz
Receive Polarisation: LHCP
Maximum Spacecraft EIRP: 54dBW
RF Modulation: 16 APSK
Azimuth Range: 180 degrees
Emission Designator: 32M0G7W
Antenna Gain: 42.5 dBi

The latitude and longitude for the testing locations and 24 hour point of contact (POC) are listed below:

Lino Lakes, MN
Lat = 45.1322 N
Long = 93.0959 W
24 hour POC: Kevin Baker (kevin.baker@inmarsat.com) +1-808-469-7104

Chantilly, VA
Lat = 38.8922 N
Long = 77.4441 W
24 hour POC: John Kim (john.kim@inmarsat.com) +1-202-368-2068

Reston, VA
Lat = 38.9475 N
Long = 77.3481 W
24 hour POC: GNOC support@inmarsatgov.com +1-703 673 9964

Victor, NY
Lat = 43.0045 N
Long = 77.4509 W
24 hour POC: Nathan Giordano (nathan.giordano@L-3.com) +1-585-742-9624

* * * * *

Grant of the requested STA will serve the public interest, convenience and necessity because it will enable Inmarsat Mobile Networks to conduct essential testing of the Global Xpress network and the Inmarsat-5 F2 spacecraft, consistent with the parameters described herein using the identified Antennas, without creating any risk of harmful interference. Inmarsat Mobile Networks respectfully requests that the Commission grant STA beginning September 28, 2015 for a period of 30 days.