

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA for Ground-Based FAA Certification Testing

1. Applicant

Name:	Gogo LLC	Phone Number:	202-870-7220
DBA Name:		Fax Number:	
Street:	5614 Connecticut Avenue, NW #288	E-Mail:	bgordon@aircell.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20015 -
Attention:	Mr William J Gordon		

30 days "with conditions"



File# SES-STA-20121214-01105

Call Sign E120106 Grant Date 12/14/2012
(or other identifier)

Term Dates
From 12/14/2012 To: 01/12/2013

Approved: Paul E. Hayes

Conditions for:

Gogo LLC

SES-STA-20121214-01105

E120106

Gogo LLC's request for special temporary authority (STA), for 30 days, to operate a single temporary fixed earth station for testing that will transmit in the 14.0-14.5 GHz frequency band to the following geostationary-orbit space stations: SES-1 space station (Call Sign 2807) at the 101.0° W.L. orbital location and the NSS-703 (call sign S2818, located at 47.05 W.L.) orbital location IS GRANTED. The earth station will receive downlink transmissions from SES-1 and NSS-703 in the 11.7-12.2 GHz (space-to-Earth) frequency bands. Operations under this STA must be in accordance with the terms and conditions contained in Gogo's application and the Federal Communications Commission's rules not waived herein and are subject to the following conditions:

The temporary authority granted is for ground testing at the Detroit, MI airport (DTW).

Gogo LLC must not cause harmful interference to, and must not claim protection from, any other lawfully operating radio station. In the event harmful interference results from operation pursuant to this authorization, Gogo LLC must cease operations immediately upon notification of such interference, and must immediately inform the Federal Communications Commission, in writing, of the incident.

Operation pursuant to this authorization must be in compliance with the terms of Gogo LLC's coordination agreement with the National Science Foundation.

Operation pursuant to this authorization must conform with the terms of coordination agreements between a) the operator of NSS-703 and operators of other Ku-band geostationary satellites within six angular degrees of NSS-703, and b) the operator of SES-1 and operators of other Ku-band geostationary satellites within six angular degrees of SES-1.

Communications between Gogo LLC's earth station and NSS-703 space station must be in compliance with all existing and future space station coordination agreements reached between Gibraltar and other Administrations.

Gogo LLC must take all necessary measures to ensure that the operation authorized does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Requirements for restrictions can be determined by predictions based on calculations, modeling or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.

Gogo LLC must maintain a point of contact available 24 hours per day, seven days per week, with the authority and ability to terminate operations authorized, for discussing interference concerns with other licensees and U.S. Government agencies, and must submit a letter to be included in its license file with the name and telephone number of the point of contact prior to commencing operation.

Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Gogo LLC's applications.

Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Gogo LLC's risk.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.



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Approved: *Michael E. Blair*

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Gogo LLC (“Gogo”) hereby requests special temporary authority (“STA”) for 30 days to operate a single Aeronautical Mobile Satellite Service (“AMSS”) transmit/receive terminal deployed on a commercial aircraft for fixed ground testing only. The AMSS terminal will communicate with the SES-1 and NSS-703 satellites in the conventional Ku-band (14-14.5 GHz uplink and 11.7-12.2 GHz downlink).¹ Grant of the requested STA is consistent with Commission precedent and will serve the public interest by enabling Gogo to perform tests necessary to comply with Federal Aviation Administration (“FAA”) equipment certification requirements.

Gogo has an application pending before the Commission for a blanket license for AMSS operations.² That application includes complete technical information regarding the Gogo AMSS system and fully describes the AeroSat terminals that will be used in this testing. Gogo incorporates that information by reference herein.

Gogo has also been granted Commission STA to perform ground-based testing of the AMSS terminals in the conventional Ku-band using the SES-1 and NSS-703 spacecraft.³ Gogo now seeks to use the same satellites for additional ground testing necessary in connection with FAA certification.

Specifically, a single terminal will be installed on a Delta Airlines 767-300 aircraft. Testing will occur on the ground at the Detroit, MI airport (DTW).

Grant of the requested authority will not adversely affect other licensed operations. Gogo has submitted affidavits confirming that the proposed AMSS operations using the AeroSat terminals have been coordinated with operators of the satellites within six degrees on either side

¹ SES-1 is the primary spacecraft for the test, but Gogo seeks authority to use spot beam 2 of NSS-703 as back-up capacity if needed.

² *Gogo LLC*, Call Sign E120106, File Nos. SES-LIC-20120619-00574; SES-AMD-20120731-00709 & SES-AFS-20121008-00902 (the “Gogo AMSS Application”). The public notice period for the Gogo AMSS Application has closed, and no party has opposed grant of the application. The only comments filed involve Gogo’s proposed operations outside the conventional Ku-band. *See* Comments of EchoStar Satellite Operating Corporation, File Nos. SES-LIC-20120619-00574 *et al.*, dated Nov. 16, 2012; Comments of EchoStar Satellite Operating Corporation and DIRECTV Enterprises, LLC, File Nos. SES-LIC-20120619-00574 *et al.*, dated Nov. 16, 2012. Because the authority sought here is limited to conventional Ku-band operations, the questions raised in the comments are not relevant to the requested STA.

³ *Gogo LLC*, Call Sign E120106, File No. SES-STA-20120727-00698, granted Aug. 29, 2012 (testing authority for communications with SES-1); File No. SES-STA-20121009-00908, granted Oct. 24, 2012 (extension for SES-1 and expansion of STA to include spot beam 2 on NSS-703).

of both SES-1 and NSS-703.⁴ Gogo has also entered into a coordination agreement with the National Science Foundation to protect radioastronomy operations.⁵ In any event, Gogo seeks to operate on an unprotected, non-harmful interference basis, so operations pursuant to the requested STA will not harm other regularly licensed Ku-band spectrum users.

Grant of the requested authority is consistent with prior Commission actions⁶ and will serve the public interest by permitting Gogo to continue developing a competitive AMSS network that will enhance service to air travelers and airline crew members.

⁴ *Gogo LLC*, Call Sign E120106, File No. SES-AMD-20120731-00709, Amendment Exhibit A.

⁵ *Id.*, Amendment Exhibit B.

⁶ The International Bureau has previously granted special temporary authority for other entities to perform testing of AMSS terminals pending regular licensing of AMSS operations. *See, e.g., Row 44, Inc.*, File No. SES-STA-20071121-01610, grant-stamped Dec. 11, 2007 (30-day STA for testing of AMSS terminal).

2. Contact	
Name: Karis Hastings	Phone Number: 202-599-0975
Company: SatCom Law LLC	Fax Number:
Street: 1317 F Street, N.W. Suite 400	E-Mail: karis@satcomlaw.com
City: Washington	State: DC
Country: USA	Zipcode: 20004 -
Attention:	Relationship: Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SESLIC2012061900574 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGB – Mobile Satellite Earth Stations	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 12/14/2012	
7. City Detroit	8. Latitude (dd mm ss.s h) 42 12 44.8 N

9. State MI	10. Longitude (dd mm ss.s h) 83 21 12.2 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">Gogo LLC (Gogo) respectfully requests special temporary authority for 30 days to permit operation of a single Ku-band AMSS terminal for ground testing required for FAA equipment certification. The testing will occur at the Detroit, MI airport (DTW). Authority is sought pending Commission action on Gogo's underlying application as amended for an AMSS</div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing William J. Gordon	15. Title of Person Signing Vice President, Regulatory Affairs
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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12. Description

Gogo LLC (Gogo) respectfully requests special temporary authority for 30 days to permit operation of a single Ku-band AMSS terminal for ground testing required for FAA equipment certification. The testing will occur at the Detroit, MI airport (DTW). Authority is sought pending Commission action on Gogo's underlying application as amended for an AMSS blanket license under Call Sign E120106.