

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION: Enter a description of this application to identify it on the main menu:
Extension and Expansion of 60 Day STA for Ground Based 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		



Applicant: Gogo LLC
 Call Sign: E120106
 File No.: SES-STA-20121009-00908
 Special Temporary Authority (STA)

Gogo LLC is granted an extension for a period of 60 days from Oct 25, 2012 through December 23, 2012 on the current STA file number SES-STA-20120727-00698 to temporarily operate a Vehicle-Mounted earth station (VMES) with 4 technically-identical transmit/receive antennas model AeroSat HR6400 at site locations Itasca, IL and Amherst, NH that will communicate with space station SES-1 at orbital location 101.0 degrees W.L. and NSS-703 at orbital location 47.05 degrees W.L. in the conventional Ku-band frequencies (14.0-14.5 GHz uplink and 11.7-12.2 GHz downlink) with the following conditions:

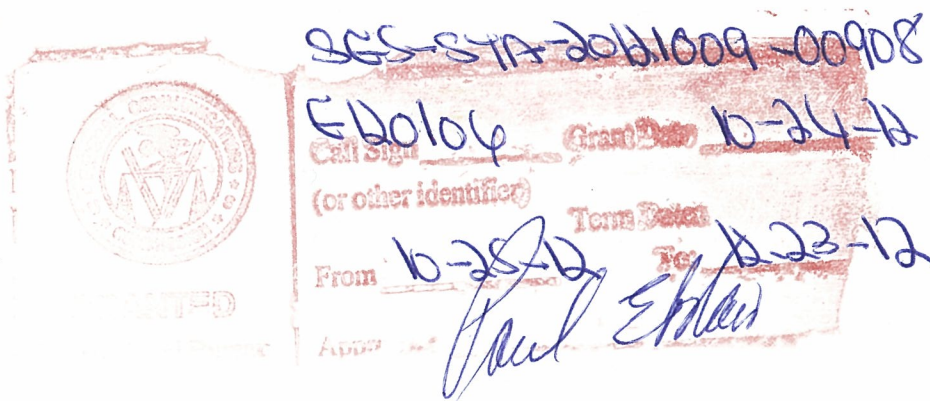
- 1) Gogo LLC's testing shall be in compliance with 47 C.F.R. § 25.226 and in accordance with the satellite's certification agreement from SES Americom, Inc.
- 2) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Gogo LLC's applications.
- 3) Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Gogo LLC's risk.
- 4) The licensee shall cease authorized VMES operations in the 14.0-14.2 GHz band within 125 km of NASA TDRSS facilities on Guam (latitude 13°36'55" N, longitude 144°51'22" E) or White Sands, New Mexico (latitude 32°20'59" N, longitude 106°36'31" W and latitude 32°32'40" N, longitude 106°36'48" W)
- 5) The licensee shall not operate in the vicinity of radio observatories of Radio Astronomy Service (RAS) in the table below in the band 14.47-14.50 GHz.

Observatory	Latitude (north)	Longitude (west)	Radius (km) of coordination zone
Arecibo, Observatory, Arecibo, PR	18°20'37"	66°45'11"	Island of Puerto Rico.
Green Bank, WV	38°25'59"	79°50'23"	160.
Very Large Array, near Socorro, NM	34°04'44"	107°37'06"	160.
Pisgah Astronomical Research Institute, Rosman, NC	35°11'59"	82°52'19"	160.
U of Michigan Radio Astronomy Observatory, Stinchfield Woods, MI	42°23'56"	83°56'11"	160.
Very Long Baseline Array (VLBA) stations:			
Owens Valley, CA	37°13'54"	118°16'37"	160*.
Mauna Kea, HI	19°48'05"	155°27'20"	50.

Brewster, WA	48°07'52"	119°41'00"
Kitt Peak, AZ	31°57'23"	111°36'45"
Pie Town, NM	34°18'04"	108°07'09"
Los Alamos, NM	35°46'30"	106°14'44"
Fort Davis, TX	30°38'06"	103°56'41"
North Liberty, IA	41°46'17"	91°34'27"
Hancock, NH	42°56'01"	71°59'12"
St. Croix, VI	17°45'24"	64°35'01"

*Owens Valley, CA operates both a VLBA station and single-dish telescopes.

6) 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.



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 10/22/2012	
7. City/Itasca	
8. Latitude (dd mm ss.s h) 41 59 22.6 N	

9. State IL	10. Longitude (dd mm ss.s h) 88 0 15.6 W
11. Please supply any need attachments. Attachment 1: STA Narrative 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;">Gogo LLC (Gogo) respectfully requests special temporary authority for a period of 60 days beginning October 22, 2012, to permit operation of four technically identical Ku-band terminals for testing purposes, pending Commission action on Gogo's underlying application as amended for an AMSS blanket license under Call Sign E120106.</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. Yes <input checked="" type="radio"/> No <input type="radio"/>	
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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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Gogo LLC (“Gogo”) hereby requests extension and expansion of the special temporary authority (“STA”) it was granted by the Commission¹ to operate a total of four technically identical transmit/receive earth stations in the conventional Ku-band (14-14.5 GHz uplink and 11.7-12.2 GHz downlink). Grant of the requested STA is consistent with Commission precedent and will serve the public interest by enabling Gogo to evaluate the terminals’ operational performance prior to full-scale deployment of Gogo’s planned Aeronautical Mobile Satellite Service (“AMSS”) network.

Gogo has filed an application 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.

Pending Commission action on the Gogo AMSS blanket license application, Gogo requested and received Commission authority earlier this year to begin ground-based testing of the AMSS terminal at and near the Gogo headquarters in Itasca, IL and the AeroSat facility in Amherst, NH. Specifically, the Commission authorized Gogo to communicate with the SES-1 spacecraft using terminals placed on the roof of each building and to perform mobile testing using terminals positioned on vehicles operated at typical street and highway speeds.³

Gogo herein seeks extension of the existing authority for an additional 60-day period. Gogo also proposes to perform testing using capacity on a second spacecraft: spot beam 2 of the NSS-703 satellite located at 47.05° W.L.⁴ In order to accommodate the schedule for the planned testing using NSS-703, Gogo respectfully requests action on this STA request by October 22.

Grant of the requested authority will not adversely affect other licensed operations. Affidavits confirming that the proposed operation of the AeroSat terminals has been coordinated with operators of the satellites within six degrees on either side of both SES-1 and NSS-703 are already on file with the Commission.⁵ Gogo has also entered into a coordination agreement with the National Science Foundation to protect radioastronomy operations.⁶ In any event, Gogo

¹ *Gogo LLC*, Call Sign E120106, File No. SES-STA-20120727-00698, granted Aug. 29, 2012 (the “Gogo Testing STA”).

² *Gogo LLC*, Call Sign E120106, File Nos. SES-LIC-20120619-00574; SES-AMD-20120731-00709 & SES-AFS-20121008-00902 (the “Gogo AMSS Application”).

³ *See* Gogo Testing STA, Narrative at 1.

⁴ The coverage pattern of this beam will conform to the parameters described in Gogo’s most recent amendment. *See Gogo LLC*, Call Sign E120106, File No. SES-AFS-20121008-00902, Narrative at 5-6 and Annex 1.

⁵ *Gogo LLC*, Call Sign E120106, File No. SES-AMD-20120731-00709, Amendment Exhibit A.

⁶ *Id.*, Amendment Exhibit B.

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 actions⁷ 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.

⁷ 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).

C:\Documents and Settings\Jerry.Duvall\Local Settings\Temporary Internet Files\Content.IE5\2RH7E5TM\Attachments[1].zip

Name	Type	Modified	Size	Ratio	Packed	Path
Don't know why.docx	Microsoft Office Wor...	10/10/2012 10:05 AM	18,635	18%	15,225	
lean on me 2.doc	Microsoft Word Doc...	10/10/2012 10:05 AM	41,472	75%	10,324	
WonderWall.docx	Microsoft Office Wor...	10/10/2012 10:05 AM	17,993	16%	15,169	
Desperado.docx	Microsoft Office Wor...	10/10/2012 10:05 AM	22,582	15%	19,148	
4 file(s)			100,682	41%	59,866	