

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Fairbanks Earth Station 60-Day Pre-Grant STA Request

1. Applicant

Name:	Skybox Imaging Inc.	Phone Number:	650-316-6661
DBA Name:		Fax Number:	
Street:	1061 Terra Bella Ave.	E-Mail:	jim@skyboximaging.com
City:	Mountain View	State:	CA
Country:	USA	Zipcode:	94043
Attention:	Mr. Jim McClelland		

with conditions
File # SES-STA-2012 0131-00121

Call Sign E120025 Grant Date 02/21/2012
(or other identifier)

Term Dates

From 03/01/2012 To: 04/29/2012

Approved: Paul E. Hackett



Conditions:

Applicant: Skybox Imaging, Inc

File Number: SES-STA-20120131-00121

Call Sign: E120025

Skybox Imaging, Inc is granted, under the following conditions, Special Temporary Authority for 60 days, from 03/01/2012 through 04/29/2012, to operate within the frequency bands, power limits and conditions described below.

Frequency and bands, power limits

Operation	Frequency
Receive (Space to Earth)	
Digital/Data Downlink	8045.0-8105.0 MHz
Digital/Data Downlink	8170.0-8230.0 MHz
Digital/Data Downlink	8295.0-8355.0 MHz
Digital Telemetry	8374.744-8375.256 MHz
Digital Telemetry	8379.744-8380.256 MHz
Transmit (Earth to space)	
Digital Telecommand	2080.89-2081.11 MHz
Digital Telecommand	2082.89-2083.11 MHz

Polarization:

horizontal and vertical

Freq (MHz)**Emissions****Max.EIRP
(dBW)****Max.EIRP
Density
(dBW/4KHz)****Modulation
& Service**

2080.89-2081.11 MHz	110KF1D	42.5	24.8	Digital/TC
2082.89-2083.11 MHz	110KF1D	42.5	24.8	Digital/TC

Satellites: None**Conditions:**

1. Operations under this authority are on a non-interference basis only.
2. Operations under this authority are on a non-protected basis only.
3. The licensee shall take extraordinary measures to ensure that the antenna does not create the potential for exposure of persons who may be within the immediate vicinity to radiofrequency radiation in excess of FCC safety guideline to prevent human exposure in excess of the FCC-specified safety limit of 1 mW/cm². Warning signs, such as those discussed in the FCC's OET Bulletin 65, shall be posted informing members of the public to keep outside the exposure area that exceeds limit.

File # SES-STA-20120131-00121Call Sign E120025 Grant Date 02/21/2012
(or other identifier)**Term Dates**From 03/01/2012 To: 04/29/2012Approved: Paul E. Blaw

2. Contact			
Name:	Stephen D. Baruch	Phone Number:	202-416-6782
Company:	Lerman Senter PLLC	Fax Number:	202-429-4626
Street:	2000 K Street, NW Suite 600	E-Mail:	sbaruch@lermansenter.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
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 or Submission ID IB2012000457			
4a. Is a fee submitted with this application?			
☒ If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).			
☐ Governmental Entity ☐ Noncommercial educational licensee			
☐ Other (please explain):			
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
☒ Use Prior to Grant ☐ Change Station Location ☐ Other			
6. Requested Use Prior Date 03/01/2012			
7. City Fairbanks		8. Latitude (dd mm ss.s h) 64 48 47.4 N	

9. State AK	10. Longitude (dd mm ss.s h) 147 43 57.3 W
11. Please supply any need attachments. Attachment 1: Attachment A Attachment 2: Reference Copy 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.) See Attachment A.	
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 ☐ No	
14. Name of Person Signing Jim McClelland	15. Title of Person Signing Vice President, Mission Assurance
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.

Description of Request for Special Temporary Authority

Skybox Imaging, Inc. (“Skybox”) has filed an application for authority to operate a new earth station antenna located in Fairbanks, Alaska, which is intended to serve as the ground segment of its proposed non-geostationary orbit (“NGSO”) Earth Exploration Satellite Service (“EESS”) high-resolution imagery satellite system.¹ A reference copy of this application (File No. SES-LIC-INTR2012-00457; Submission ID IB2012000457) is included with this request. As detailed in the application, the proposed system’s ground segment will send telecommand signals to the SkySat-1 and SkySat-2 NGSO satellites using a primary or back-up channel in the 2025-2110 MHz band, which is authorized in the EESS. The earth station will receive communications from Skybox’s SkySat-1 and SkySat-2 satellites via three payload beams and a primary or secondary telemetry beam in the EESS band at 8025-8400 MHz.

Launch of the first SkySat satellites is due to take place later this year. Skybox has a need to test the system’s earth station prior to grant of permanent authority. Accordingly, Skybox requests special temporary authority (“STA”) to operate the proposed earth station for 60 days, beginning March 1, 2012, using the 2081 and 2083 MHz band telecommand frequencies it proposed in the underlying earth station application. Testing will not involve communications with any space stations, and thus no Points of Communication are specified herein. In addition, testing will be intermittent in nature, with operations to occur for up to two days at a time followed by several days of no operations to allow for testing results to be analyzed.

Grant of this STA request will serve the public interest by allowing Skybox to begin immediate testing of the ground segment of its proposed EESS service, which Skybox anticipates commencing with the launch of SkySat-1 in September 2012.

In summary, and on the basis of the information provided herein and in File No. SES-LIC-INTR2012-00457, Skybox requests, for a period of 60 days commencing on March 1, 2012, special temporary authority to operate its proposed earth station for testing purposes.

¹ Skybox requested authority to launch and operate its EESS satellite system on December 22, 2011. See File No. SAT-LOA-20111222-00246.