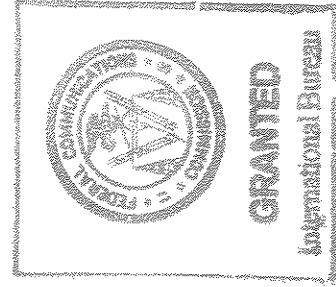


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Deere & Company STA Application for Inmarsat III, F4

I. Applicant

Name:	Deere & Company	Phone Number:	310-381-2755
DBA Name:		Fax Number:	310-381-2002
Street:	20780 Madrona Ave.	E-Mail:	pwilliams@navcomtech.com
City:	Torrance	State:	CA
Country:	USA	Zipcode:	90503 -3777
Attention:	Dr Peter Williams		



File # SES-STA-20060605-00922

Call Sign - Grant Date Aug 7, 2006
(or other identifier)

From Aug 14, 2006 To Sep 13, 2006

Approved: A. A. Kottel

"See attached Conditions"

Deere & Company
IBFS File No. SES-STA-20060605-00922

The request of Deere & Company (Deere) for special temporary authority (STA) IS GRANTED. Accordingly, Deere is authorized from August 14, 2006 to September 13, 2006 using the Inmarsat 3F4 satellite at 142°W.L. with a center frequency of 1535.15 MHz and an emission designator of 2K50D1D in accordance with the terms, conditions, and technical specifications set forth in the Commission's rules and this document.

1. As a result of the operations authorized by this STA, the aggregate downlink EIRP density at any geographical point within the United States from all Inmarsat satellites, shall not be increased, above the levels currently authorized.
2. Operations on the Inmarsat 3F4 satellite at 142°W.L. shall be on an unprotected basis. Deere shall not claim protection from, and is required to accept interference from, other lawfully operating satellites or radiocommunication systems.
3. Adequate guard bands shall be provided between the band edges of the carriers used by Deere and the band edges of MSV's operations in order to preclude the possibility of unacceptable interference to MSV's operations.
4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Deere's own risk.
5. The grant of this STA is not based on a finding that Inmarsat's L-band operations are consistent with operation on a non-interference basis.
6. The grant of this STA is without prejudice to any future determination that the Commission may make as to whether Inmarsat's L-band operations are consistent with operation on a non-interference basis.
7. This STA may be terminated or modified at IB's discretion, without a hearing, if conditions warrant.
8. This grant 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.
9. Deere is afforded thirty days from the date of release of this action to decline this special temporary authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the special temporary authorization as conditioned.

2. Contact			
Name:	Eliot J. Greenwald	Phone Number:	202-373-6009
Company:	Bingham McCutchen LLP	Fax Number:	202-424-7647
Street:	3000 K St., N.W. Suite 300	E-Mail:	eliot.greewald@bingham.com
City:	DC	State:	DC
Country:	USA	Zipcode:	20007 -5116
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			
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 checked="" type="radio"/> Other			
6. Requested Use Prior Date			
06/15/2006			
7. City		8. Latitude	
		(dd mm ss.s h) 0 0 0.0	

9. State	10. Longitude (dd mm ss.s h) 0 0 0.0
11. Please supply any need attachments. Attachment 1: Exhibit A 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;">By this application, Deere & Company seeks special temporary authority to test non-common carrier receive-only domestic mobile earth stations which will receive transmissions from the Inmarsat III, F4 at 142 degrees W.L., for a period of thirty (30) days beginning June 15, 2006, concluding July 14, 2006.</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"; party to the application; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Dr. Peter Williams	15. Title of Person Signing Director Advanced Programs
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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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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.

EXHIBIT A – REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Deere & Company (“Deere”), pursuant to Section 25.120 of the Commission’s Rules, 47 C.F.R. § 25.120, hereby requests Special Temporary Authority (“STA”) to allow Deere to use receive-only, non-common carrier, mobile earth stations operating in the L-band to downlink transmissions from Inmarsat’s IIF4 satellite at 142° west longitude for a period of 30 days beginning June 15, 2006, concluding July 14, 2006. Grant of this request will serve the public interest by promoting more productive domestic farming operations, and by promoting the more effective and efficient use of limited radio frequency spectrum.

Since 2001, Deere has been equipping domestic agricultural equipment with its GreenStar™ precision farming system. The GreenStar™ system employs receive-only vehicle mounted StarFire mobile earth stations, which are currently licensed pursuant to IBFS File No. SES-LIC-20010112-00051. These earth stations receive L-band signals from the Inmarsat geostationary satellite at 98° west longitude, and provide correctional data which enhances the information the GreenStar™ systems receives simultaneously from Global Positioning Satellites (“GPS”). This system enables the operators of domestic farming equipment to pinpoint their location to within twenty (20) centimeters ($\pm 1\sigma$). This precise positioning capability developed originally to assist farmers in comparing the crop yields from various fields to determine, among other things, the amount of fertilizer and seed appropriate for a particular field and crop has now found additional important uses to improve farming efficiency. The GreenStar™ system enables farmers to manually record observations such as weed patches, crop appearance, and other field variables with remarkable precision. When coupled to the vehicle steering system through the Deere AutoTrack system it aids the operator to steer a more precise path when making repeated passes over the same track thus greatly reducing crop and soil damage. The proposed testing using the Inmarsat IIF4 will aid Deere in evaluating routine modifications and improvements to the GreenStar™ system, which has now been in field operation for approximately five (5) years.

The proposed downlink transmissions for the above mentioned testing will be at 1535.15 MHz. This downlink frequency is within the same band currently authorized for mobile earth stations in the GreenStar™ system under SES-LIC-20010112-00051. Please also note that the proposed modifications and improvements to the receive-only GreenStar™ system will affect software and hardware unrelated to the RF equipment, which will carry forward unaltered from the already licensed system. Thus, permission to conduct the requested testing poses no interference threat to other licensed occupants of the L-band or any other licensed band.

In summary, grant of this STA will enable Deere to evaluate improvements to a system that both increases the efficiency and yield of the domestic farming industry, and helps minimize the amount of unnecessary fertilizer used by agricultural equipment enabled with the system. Furthermore, because the system is receive-only, it presents no interference threat to other occupants of the RF band. Accordingly, this application is in the public interest and should be granted.

Eliot J. Greenwald
Direct Phone: (202) 373-6009
Direct Fax: (202) 424-7647

June 7, 2006

Marlene Dortch, Secretary
Federal Communications Commission
Office of the Secretary
445 Twelfth Street, S.W.
Washington, DC 20554

Bingham McCutchen LLP
Suite 300
3000 K Street NW
Washington, DC
20007-5116
202.424.7500
202.424.7647 fax

RE: CORRECTED Supplement to Deere & Company application for special temporary authority to conduct receive-only testing in the L-band; IBFS File No. SES-STA-20060605-00922

bingham.com

Dear Ms. Dortch:

Boston
Hartford
London
Los Angeles
New York
Orange County
San Francisco
Silicon Valley
Tokyo
Walnut Creek
Washington

By this letter, Deere & Company ("Deere") supplements and clarifies the above-referenced application for special temporary authority ("STA") to conduct receive only testing in the L-band with the Inmarsat IIF4 located at 142° west longitude. Please note that a nearly identical supplemental letter was filed with the Commission on June 6, 2006. That letter inaccurately referenced the number of mobile earth stations participating in testing. This letter has been filed to correct the aforementioned inaccuracy.

Specifically, Deere wishes to clarify that the proposed testing will be conducted at 1535.15 MHz, a frequency in the same band that is allocated to Deere's GreenStar© system pursuant to SES-LIC-20010112-00051. In addition, please be advised that the emission designators for the proposed STA are identical to those in SES-LIC-20010112-00051. Finally, please be advised that Deere will conduct testing with no more than twenty (20) receive only mobile earth stations.

Enclosed are four (4) copies of this filing. Please date-stamp the enclosed extra copy of this filing and return it in the envelope provided. Please do not hesitate to contact the undersigned if you have any additional questions regarding this application for special temporary authority.

Very truly yours,



Eliot J. Greenwald
Timothy L. Bransford

cc (by email): Scott Kotler (Chief, System Analysis Branch)
Stephen Duall (Attorney Advisor, Policy Branch)