

WITH ATTACHED CONDITIONS
Call Sign 52663 Grant Date 8/10/2007
(or other identifier)

Term Dates
From 8/14/2007 To: 9/13/2007
Approved by OMB 3060-0678

Approved: Robert G. Nelson
Robert G. Nelson Division

Date & Time Filed: Jul 20 2007 12:04:45:450PM
File Number: SAT-STA-20070720-00106
Callsign:

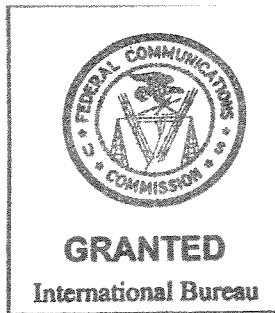
FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
STA for SPACEWAY 3 IOT

I. Applicant

Name:	Hughes Communications, Inc.	Phone Number:	301-428-5506
DBA Name:		Fax Number:	301-428-2802
Street:	11717 Exploration Lane	E-Mail:	sdoiron@hns.com
City:	Germantown	State:	MD
Country:	USA	Zipcode:	20876 -
Attention:	Mr Steven Doiron		



File # SAT-STA-20070720-00106 WITH ATTACHED CONDITIONS
Call Sign S2663 Grant Date 8/10/2007
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Approved: [Signature]

Hughes Communications, Inc.
File No. SAT-STA-20070720-00106
Attachment – Conditions of Authorization
Call Sign S2663

Robert G. Nelson
Chief Satellite Division

August 10, 2007

Hughes Communications, Inc.'s ("Hughes") application, File No. SAT-STA-200700720-00106, IS GRANTED. Accordingly, Hughes is authorized, for a period of 30 days from August 14, 2007 to September 13, 2007, to conduct in-orbit testing of the SPACEWAY 3 satellite, Call Sign S2663, previously authorized by the Satellite Division at 94.95° W.L.¹ This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in Hughes' application, this Attachment, and the Federal Communications Commission's Rules.

- 1. Hughes shall notify the Commission in writing of the successful launch of SPACEWAY 3 within 72 hours after launch.
- 2. Testing authority is limited to those frequencies for which the SPACEWAY 3 satellite is authorized under call sign S2663.
- 3. Hughes shall coordinate its test operations with all potentially affected lawfully operating satellite networks to ensure that no unacceptable interference results from its test operations at 94.95° W.L.
- 4. Hughes' test operations shall not cause harmful interference to any lawfully operating satellite networks or other radio communications systems, and Hughes shall cease operations of SPACEWAY 3 immediately upon notification of such interference, and Hughes shall inform the Commission in writing within three days of such an event.
- 5. Hughes is required to accept interference from other lawfully operating satellite networks or radiocommunication systems.
- 6. Hughes' operations at 94.95° W.L. under this authorization shall be limited solely to in-orbit test operations and shall not include the provision of commercial services.
- 7. Hughes shall coordinate its TT&C operations with all potentially affected lawfully operating satellite networks to ensure that no unacceptable interference results from its TT&C operations at 94.95° W.L.

¹ Hughes Communications, Inc., File No. SAT-MOD-20060306-00025 (Grant Stamp, June 29, 2006); File No. SAT-MOD-20060901-00093 (Grant Stamp, Sept. 29, 2006).

8. Hughes shall notify the Commission in writing no later than seven days after it has completed testing of SPACEWAY 3.
9. Hughes has 30 days from the date of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
10. This grant is issued pursuant to 47 C.F.R. § 0.261 of the Commission's Rules on delegated authority and is effective upon date of grant.

2. Contact			
Name:	Stephen D. Baruch	Phone Number:	202-416-6782
Company:	Leventhal Senter & Lerman PLLC	Fax Number:	202-429-4626
Street:	2000 K Street, N.W. Suite 600	E-Mail:	sbaruch@isl-law.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			
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 CRY - Space Station (Geostationary)			
5. Type Request			
<input type="radio"/> Change Station Location		<input type="radio"/> Extend Expiration Date	
		<input checked="" type="radio"/> Other	
6. Temporary Orbit Location		7. Requested Extended Expiration Date	

8. 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.)

Hughes Communications, Inc. (Hughes) requests special temporary authority for in-orbit testing of the SPACEWAY 3 satellite. See Exhibit.

9. 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

10. Name of Person Signing
Steven Doiron

11. Title of Person Signing
Senior Director, Regulatory Affairs

12. Please supply any need attachments.

Attachment 1: Exhibit

Attachment 2:

Attachment 3:

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

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Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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

Call Sign: S2663

Hughes Communications, Inc. (“Hughes”) hereby requests Special Temporary Authority beginning on August 14, 2007, and continuing for 30 days thereafter (to September 13, 2007) to operate its authorized SPACEWAY 3 satellite (Call Sign S2663) for in-orbit testing purposes at a power level on one downlink carrier that is greater than the downlink power level that is authorized in Hughes’ license for the space station. *See* Hughes Communications, Inc., File No. SAT-MOD-20060306-00025 (Stamp Grant, June 29, 2006) and File No. SAT-MOD-20060901-00093 (Stamp Grant, Sept. 29, 2006).

SPACEWAY 3, a Ka-band fixed-satellite service (“FSS”) satellite to be located at 94.95° W.L., is fully constructed and is scheduled to be launched from Kourou, French Guiana on August 14, 2007. Once on station, Hughes will be conducting a series of tests on the payload and associated telemetry, tracking, and command (“TT&C”) systems. During one of the tests, the satellite will be rocked on its axis in order to measure the antenna pattern of the communications downlink antenna. To perform this test, Hughes will need to generate a high power, unmodulated carrier at a frequency of 19.95 GHz and an EIRP of 70 dBW. Furthermore, during the test, the payload antenna cannot be used to command the spacecraft, so it must be commanded via the satellite’s omnidirectional TT&C antenna. This, in turn, requires that the command carrier operate at a power of up to 93 dBW for the duration of the test – which would take place intermittently during the in-orbit testing. Following the successful completion of the test, the satellite will then operate exclusively within authorized parameters.

Operation and testing of SPACEWAY 3 during the above-described test will not result in harmful interference to any other satellite networks. The only other co-frequency spacecraft located within six degrees of longitudinal separation from SPACEWAY 3 at 94.95° W.L. are the SPACEWAY 2 satellite operated by DirecTV Enterprises, LLC at 99.2° W.L., and the Galaxy 28 satellite operated by Intelsat LLC at 89° W.L. Hughes anticipates no difficulty in coordinating the proposed temporary operation of SPACEWAY 3 at higher power on 19.95 GHz with these satellite operators. In any event, all operations under this STA that are at variance with the underlying licenses for the subject earth stations will be performed on a non-harmful interference basis, and Hughes is prepared to terminate all such operations immediately upon notification from the Commission that harmful interference is being caused thereby to any authorized user of the frequency band. No additional changes to the remaining authorized transmitting and receiving frequency bands are requested by this request for Special Temporary Authority.

Grant of the requested Special Temporary Authority will serve the public interest by ensuring that Hughes' SPACEWAY 3 satellite is fully operational and in good working order, and that once on station, the satellite can begin to make productive use of the valuable spectrum and orbital resources as soon as possible. Adding new Ka-band fixed-satellite service capacity for the provision of commercial services to customers in the United States is very much in the public interest.

Hughes is submitting this request pursuant to Section 25.120(b)(4) of the Commission's rules, 47 C.F.R. § 25.120(b)(4), and is doing so more than three business days in advance of the requested commencement date.

For all of the foregoing reasons, Hughes respectfully requests that the Commission grant this request for Special Temporary Authority to operate the SPACEWAY 3 satellite at variance from its underlying spacecraft authorization for in-orbit testing purposes for a period of 30 days, commencing August 14, 2007.