

S2922 SAT-AMD-20150806-00054 IB2015001465
DIRECTV Enterprises, LLC
SKY-B1



+with conditions

File # SAT-AMD-20150806-00054

Call Sign S2922 Grant Date 05/11/16

(or other identifier)

From see conditions Term Dates see conditions To: see conditions

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

see also
* SAT-RPL-20140221-00026

Date & Time Filed: Aug 6 2015 5:19:11:306PM
File Number: SAT-AMD-20150806-00054

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Amendment Application, Call Sign S2922


1-8. Legal Name of Applicant

Name:	DIRECTV Enterprises, LLC	Phone Number:	301-663-0053
DBA Name:		Fax Number:	240-358-0569
Street:	2230 E. Imperial Hwy CA/LAI/N340	E-Mail:	jwengryniuk@directv.com
City:	El Segundo	State:	CA
Country:	USA	Zipcode:	90245 -
Attention:	Jack M. Wengryniuk		

ATTACHMENT TO GRANT

DIRECTV Enterprises, LLC

IBFS File Nos. SAT-RPL-20140221-00026 & SAT-AMD-20150806-00054

IBFS File No(s):	SAT-RPL-20140221-00026; SAT-AMD-20150806-00054	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	DIRECTV Enterprises, LLC ¹	
Call Sign:	S2922	
Satellite Name:	SKY-B1	
Orbital Location: (required station-keeping tolerance)	43.1° W.L. (± 0.05 degrees east-west)	
Administration:	United States of America	
Nature of Service:	Fixed-Satellite Services	
Scope of Grant:	Authority to construct, deploy and operate a geostationary orbit space station	
Service Area(s):	See Schedule S Tech Report (Item S6(d)) and GXT files in IBFS File No. SAT-RPL-20140221-00026	
Frequencies:	<p>10.7-10.95 GHz (space-to-Earth) 10.95-11.2 GHz (space-to-Earth) 11.2-11.45 GHz (space-to-Earth) 11.45-11.7 GHz (space-to-Earth) 11.7-12.2 GHz (space-to-Earth) 18.85-20.2 GHz (space-to-Earth)²</p> <p>12.75-13.25 GHz (Earth-to-space) 13.75-14.0 GHz (Earth-to-space) 14.0-14.5 GHz (Earth-to-space) 28.65-30.0 GHz (Earth-to-space)³</p> <p>11.443 and 11.4435 GHz or 11.4465 and 11.447 GHz (space-to-earth)(telemetry & tracking) 13.2495 GHz and 14.498 GHz (Earth-to-space)(command)</p>	
<p>Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission’s rules not waived herein. This grant is also subject to the following conditions:</p> <p>1. DIRECTV must prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, coordination, due diligence, and notification process of this space station, or other appropriate procedures under the ITU Radio Regulations. DIRECTV will be held responsible for all cost-recovery fees associated with ITU filings. No protection from interference caused by radio stations authorized by other administrations is guaranteed unless coordination, notification, or other appropriate procedures are timely completed or, with respect to individual administrations, coordination agreements are successfully completed. Any radio station authorization for which</p>		

¹ Application was originally filed by Intelsat License LLC. The application was subsequently amended to provide DIRECTV Enterprises, LLC as the applicant and licensee.

² Operations in these frequencies will be subject to the authority of the Telecommunication Regulatory Authority of the United Arab Emirates, consistent with the UAE ITU filings known as YAHSAT-G5-43W and MADAR-43W. *See* Annex A to this grant. This authorization does not include any grant of market access to the United States in these frequencies. Iridium Satellite LLC filed comments to this application stating that it has no objection to a grant of DIRECTV’s Application, assuming that operations in certain portions of these frequencies will be coordinated under ITU procedures. Comments of Iridium Satellite LLC (filed Dec. 18, 2015). This is indeed the case. *See* Annex A.

³ *Id.*

ATTACHMENT TO GRANT

DIRECTV Enterprises, LLC

IBFS File Nos. SAT-RPL-20140221-00026 & SAT-AMD-20150806-00054

coordination or other appropriate procedures have not been completed may be subject to additional terms and conditions as required to effect coordination with the frequency assignments of other administrations.

2. In connection with the provision of service in any particular country, DIRECTV is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.

3. DIRECTV must operate SKY-B1 at the 43.1° W.L. orbital location in compliance with all existing or future coordination agreements for this location.

4. DIRECTV must maintain the SKY-B1 space station within an east/west longitudinal station-keeping tolerance of ± 0.05 degrees of the 43.1° W.L. orbital location.

5. The Commission has exchanged letters with the Telecommunications Regulatory Authority of the United Arab Emirates to ensure a mutual understanding regarding the operations of the SKY-B1 space station. The letters are attached to this grant and the understandings and factual basis for those understandings are a material consideration for this grant of authority.

6. The operation of SKY-B1 and associated earth stations must comply with: (i) the applicable uplink limits in Sections 25.218, 25.221, 25.222, 25.226, and/or 25.227 of the Commission's rules in the 13.75-14.0 GHz and 14.0-14.5 GHz frequency bands; and (ii) the applicable downlink limits in Section 25.212 of the Commission's rules in the 10.95-11.2 GHz, 11.45-11.7 GHz, 11.7-12.2 GHz (in ITU Region 2) frequency bands. These limits must not be exceeded unless DIRECTV coordinates any non-conforming operation with the operations of U.S.-licensed GSO space stations within 6 degrees of 43.1° W.L. Non-conforming operation must also be coordinated with respect to those operations of non-U.S.-licensed space stations within 6 degrees of 43.1° W.L involving approved communications with U.S.-licensed earth stations.

7. The FSS operations of SKY-B1 and associated earth stations must comply with the parameters of the Appendix 30B satellite network USASAT-55E filed with the ITU for operation in the 10.7-10.95 GHz (space-to-Earth), 11.20-11.45 GHz (space-to-Earth), and 12.75-13.25 GHz (Earth-to-space) frequency bands and any additional conditions resulting from the coordination of this network.

8. Operations of SKY-B1 in the 14.47-14.5 GHz frequency band must comply with the terms of footnotes 5.149 and US342 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, 5.149, US342, which urge taking all practicable steps to protect the radio astronomy service from harmful interference.

9. DIRECTV's use of the 10.95-11.2 GHz frequency band is limited to international operations in accordance with footnote NG52 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106 NG52.

10. DIRECTV's request for waiver of footnote NG52 of the United States Table of Allocations, 47 C.F.R. § 2.106, to use the 11.45-11.7 GHz frequency band to offer domestic services on an unprotected, non-interference basis in the United States is GRANTED, as conditioned. We find that waiver does not undermine the purpose of the rules because the waiver involves only earth stations that are receive-only in the 11.45-11.7 GHz frequency band and thus are not capable of causing interference into fixed stations operating in this band. Furthermore, because DIRECTV has agreed to accept any level of interference from fixed stations into its receive-only earth stations' operations in these bands, fixed station operators will not be required to coordinate their station operations with the space station operator's receive-only earth stations' operations.⁴ Under these circumstances, we determine that an additional coordination burden is not placed upon fixed station operators and their ability to expand service in the future would not be restricted in any manner.⁵ Grant here, as conditioned, is consistent with prior Commission precedent.⁶

⁴ See Legal Narrative, IBFS File No. SAT-RPL-20140221-00026 at 4-5.

⁵ *PanAmSat Licensee Corp. Application for Authority to Use the Extended Ku-Band Frequencies for Domestic Service*, Order and Authorization, 20 FCC Rcd 14642, 14646 (Sat. Div., Int'l Bur., 2005).

⁶ The Intelsat 9 space station, which is currently authorized to operate at 43.1° W.L, has this waiver as a condition of its current authorization. See IBFS File No. SAT-MOD-20120703-00110. On a number of other occasions, the Commission

ATTACHMENT TO GRANT

DIRECTV Enterprises, LLC

IBFS File Nos. SAT-RPL-20140221-00026 & SAT-AMD-20150806-00054

- a. DIRECTV's space-to-Earth transmissions in the 11.45-11.7 GHz band that provide domestic service are on an unprotected, non-harmful interference basis relative to fixed stations. As such, DIRECTV must not cause harmful interference to, or claim protection from, fixed stations to which frequencies in the 11.45-11.7 GHz band have either been already assigned, or to which frequencies in the 11.45-11.7 GHz band may be assigned at a later date. DIRECTV must terminate operations in the 11.45-11.7 GHz band upon notification that its operations are causing interference to fixed stations operating in this band, and must immediately inform the Commission, in writing, of such an event.
- b. DIRECTV must inform its customers, in writing, including end-users receiving service from resellers accessing capacity on the SKY-B1 space station, that the service in the 11.45-11.7 GHz band with regard to domestic service is being provided on an uncoordinated basis, and that the potential exists that future licensed fixed stations may cause harmful interference to these unprotected earth stations.

11. DIRECTV's use of the 10.95-11.2 GHz and 11.45-11.7 GHz band (space-to-Earth) is subject to footnote US211 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US211, which urges airborne or space station operations taking all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.

12. DIRECTV's request for waiver of footnote NG52 of the United States Table of Allocations, 47 C.F.R. § 2.106, to use the 12.75-13.25 GHz (Earth-to-space) frequency band to offer domestic services on an unprotected, non-interference basis in the United States is GRANTED. DIRECTV's operations within the United States must be limited to two gateway earth stations in this band. As such, we find that waiver does not undermine the purpose of the rules.

13. In the 13.75-14.0 GHz band (Earth-to-space), receiving space stations in the fixed satellite service must not claim protection from radiolocation transmitting stations operating in accordance with the United States Table of Frequency Allocations, 47 C.F.R. § 2.106.

14. Pursuant to footnote US337 of the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US337, any earth station in the United States and its possessions communicating with the SKY-B1 space station in the 13.75-14.0 GHz band (Earth-to-space) is required to coordinate through National Telecommunications and Information Administration's (NTIA's) Interdepartment Radio Advisory Committee's (IRAC's) Frequency Assignment Subcommittee (FAS) to minimize interference to the National Aeronautics and Space Administration (NASA) Tracking and Data Relay Satellite System, including manned space flight.

15. Operations of any earth station in the United States and its possessions communicating with the SKY-B1 space station in the 13.75-14.0 GHz band (Earth-to-space) must comply with footnote US356 to United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US356, which specifies that in the band 13.75-14 GHz, an earth station in the fixed-satellite service shall have a minimum antenna diameter of 4.5 m and the equivalent isotropically radiated powers (e.i.r.p.) of any emission should be at least 68 dBW and

has authorized downlink of domestic service to customer receive-only earth stations in the 10.95-11.2 GHz and 11.45-11.7 GHz bands, subject to conditions. *PanAmSat Licensee Corp. Application for Authority to Use the Extended Ku-Band Frequencies for Domestic Service*, Order and Authorization, 20 FCC Rcd 14642 (Sat. Div., Int'l Bur., 2005); *EchoStar KuX Corporation Application for Authority to Construct, Launch and Operate a Geostationary Satellite Using the Extended Ku-Band Frequencies in the Fixed-Satellite service at the 83° W.L. Orbital Location*, Order And Authorization, 20 FCC Rcd 919, 921-922, para. 9 (Sat. Div., Int'l Bur., 2004); *EchoStar Satellite LLC Application for Authority to Construct, Launch and Operate a Geostationary Satellite Using the Extended Ku-Band Frequencies in the Fixed-Satellite Service at the 109° W.L. Orbital Location*, Order and Authorization, 20 FCC Rcd 930 (Sat. Div., Int'l Bur., 2004); *EchoStar KuX Corporation Application for Authority to Construct, Launch and Operate a Geostationary Satellite Using the Extended Ku-Band Frequencies in the Fixed-Satellite Service at the 121° W.L. Orbital Location*, Order And Authorization, 20 FCC Rcd 942 (Sat. Div., Int'l Bur., 2004).

ATTACHMENT TO GRANT

DIRECTV Enterprises, LLC

IBFS File Nos. SAT-RPL-20140221-00026 & SAT-AMD-20150806-00054

should not exceed 85 dBW. Operations of any earth station located outside the United States and its possessions communicating with the SKY-B1 space station in the 13.75-14.0 GHz band (Earth-to-space) must be consistent with No. 5.502 to the ITU Radio Regulations, which allows a minimum antenna diameter of 1.2 meters for earth stations of a geostationary satellite orbit network and specifies mandatory power limits.

16. Operations of any earth station in the United States and its possessions communicating with the SKY-B1 space station in the 13.77-13.78 GHz (Earth-to-space) frequency band must comply with footnote US357 to United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US357, which specifies that the maximum e.i.r.p. density of emissions not exceed 71 dBW in any 6 MHz band within the 13.77-13.78 GHz (Earth-to-space) frequency band for communications with a space station in geostationary-satellite orbit.⁷ Operations of any earth station located outside the United States and its possessions communicating with the SKY-B1 space station in the 13.77-13.78 GHz (Earth-to-space) frequency band must comply with No. 5.503 of the ITU Radio Regulations, which specifies a required maximum e.i.r.p. density of emissions (limit is dependent on antenna diameter) for communications with a space station in geostationary-satellite orbit.

17. SKY-B1 must begin providing service at the 43.1° W.L. orbital location in the 11.45-11.7 GHz (space-to-Earth), 11.7-12.2 GHz (space-to-Earth), and 14.0-14.5 GHz (Earth-to-space) frequency bands before the satellite it is replacing, Intelsat 9 (Call Sign S2380), discontinues service at the 43.1° W.L. orbital location in these bands. Failure to meet this milestone will render this authorization to operate in these frequency bands NULL and VOID.


18. The license term for the space station is 15 years and will begin on the date that DIRECTV certifies to the Commission that SKY-B1 has been successfully placed into orbit and its operations fully conform to the terms and conditions of this authorization. DIRECTV is directed to file its certification of commencement of operation with the Commission within five business days of SKY-B1 being placed into operation at the 43.1° W.L. orbital location.

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

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

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	May 11, 2016	
Term Dates	From: see conditions	To: see conditions

Approved:

Stephen J. Duall
Chief, Satellite Policy Branch

⁷ Footnote US357 places a restriction on FSS earth station operations in order to protect government operations in the band, including manned space flight. 47 C.F.R. § 2.106, US357.

ANNEX A



Federal Communications Commission
Washington, D.C. 20554

March 15, 2016

Tariq Al Awadhi
Executive Director
Spectrum Affairs Department
Telecommunications Regulatory Authority
PO Box 26662
Abu Dhabi, UAE

Re: Operations of the SKY-B1 Satellite

Dear Mr. Al Awadhi:

This letter is to confirm the informal understanding of the Telecommunication Regulatory Authority (TRA) and the Federal Communications Commission (FCC) concerning the SKY-B1 satellite.

The satellite is expected to be launched in the first quarter of 2016 and to operate at the 43.1° W.L. orbital location. SKY-B1 is capable of operating using the following frequencies: 10.7-10.95 GHz, 10.95-11.2 GHz, 11.2-11.45 GHz, 11.45-11.7 GHz, 11.7-12.2 GHz, and 18.85-20.2 GHz (downlink); 12.75-13.25 GHz, 13.75-14.0 GHz, 14.0-14.5 GHz, and 28.65-30.0 GHz (uplink). Telecommand, telemetry, and control for the satellite will use the 11.443 and 11.4435 GHz or 11.4465 and 11.447 GHz (space-to-earth) and 13.2495 GHz and 14.498 GHz (Earth-to-space) center frequencies.

The operator of SKY-B1 is DIRECTV Enterprises, LLC (DIRECTV). DIRECTV, is a party to a commercial agreement with Intelsat and Al Yah Satellite Communications Company PJSC (YahSat), concerning use by Yahsat of the 28.65-30.0 GHz (uplink) and 18.85-20.2 GHz (downlink) frequency bands (the Ka-band frequencies). Yahsat has obtained approval from the TRA, the Administration of the United Arab Emirates (UAE), in connection with the operations of Sky-B1 in those bands, consistent with the UAE's ITU filings at 43.0° W.L., known as YAHSAT-G5-43W (CRC/2774) and MADAR-43 W (CR/C3273).

It is my understanding that our agencies have concurred on the following issues concerning the operation of the SKY-B1 satellite, contingent upon completion of the FCC licensing process:

- 1) At the 43.1° W.L. orbital location, operations of SKY-B1 in the Ka-band frequencies will be subject to the TRA's authority and such authority will allow the TRA to require YahSat to modify or cease operations in the Ka-band frequencies if deemed necessary.
- 2) At the 43.1° W.L. orbital location, operations of SKY-B1 in frequency bands other than the Ka-band frequencies will be subject solely to the authority of the FCC. Operations of SKY-B1 at any location other than 43.1° W.L., including operations in the Ka-band frequencies and any operations as a result of any equipment failure in the satellite that leads to inability to maintain the satellite within $\pm 0.05^\circ$ of its assigned 43.1° W.L. orbital location, will also be subject solely to the authority of the FCC.
- 3) The FCC will consult with the TRA if practicable, prior to any relocation of the satellite, or as soon thereafter as possible.

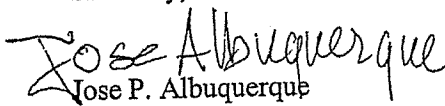
- 4) The FCC will retain the unilateral right in the event of extraordinary circumstances to direct DIRECTV to cease operations of SKY-B1, or any portion of the satellite, without the need for consultation with or approval from the TRA, for example, to comply with a direction by the U.S. President under Section 706(c) of the Communications Act of 1934, as amended, 47 U.S.C. § 606(c), or in the event of a satellite anomaly presenting an imminent danger, and DIRECTV will be required to comply with any such direction. It is understood that, if operations of SKY-B1 in the Ka-band frequencies are ceased under this condition, the FCC will inform the TRA, at the earliest possible opportunity, about the action taken by the FCC.
- 5) Yahsat and the TRA will be responsible for the compliance with the ITU Radio Regulations (in particular the coordination and notification procedures) for the operations of SKY-B1 at 43.1° W.L. in the Ka-band frequencies.
- 6) DIRECTV and the FCC will be responsible for the compliance with the ITU Radio Regulations (in particular the coordination and notification procedures) for SKY-B1, except as noted in number 5 above.
- 7) With respect to Paragraph 3.2 of the Minutes of the 13th Plenary Meeting of WRC-12 (as set out in ITU Circular Letter CR/333), the FCC will not object to the TRA notifying the ITU of the bringing into use of frequency assignments of the YAHSAT-G5-43W and MADAR-43W networks in the bands 28.65-30.0 GHz and 18.85-20.2 GHz, based upon the capability of SKY-B1.

In addition, it is my understanding that the U.S. State Department will register the satellite with the Secretary General of the United Nations, pursuant to the 1976 U.N. Convention on Registration of Objects Launched into Outer Space.

Any notices, inquiries, and correspondence from the TRA concerning these matters should be directed to the Chief, Satellite Division, International Bureau at Jose.Albuquerque@fcc.gov with a copy to Karl.Kensinger@fcc.gov, on the part of the FCC. The FCC will direct any notices, inquiries, and correspondence from the FCC concerning these matters to the Manager Int. Organizations at khalid.alawadi@tra.gov.ae with a copy to Tariq.alawadhi@tra.gov.ae.

If the foregoing corresponds to your understanding of the informal arrangements between our agencies concerning SKY-B1, please confirm by return letter. Thank you.

Sincerely,


Jose P. Albuquerque
Chief, Satellite Division
International Bureau



Date: 12-4-2016
Ref.: TRA/SA/IA-06/16-1351

Jose Albuquerque
Chief, Satellite Division
International Bureau
Federal Communication Commission
Washington, DC 20554
United States of America

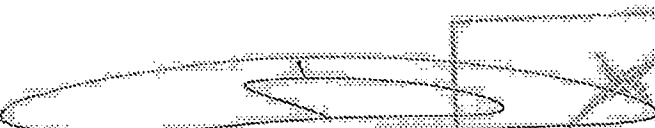
Ref: FCC Letter, "Re: Operation of the Sky-B1 Satellite" dated March 15, 2016.

Subject: Operations of the SKY-B1 Satellite

Dear Mr Albuquerque,

Thank you for your letter dated 15 March, 2016 in regards to the Sky-B1 satellite. This Administration concurs with your letter identified in reference. Please feel free to contact me or my staff if any additional issues need to be discussed relating to this satellite.

Best Regards,


Tariq Al-Awadhi
Executive Director Spectrum Affairs

Copy to: S. Doiron at Al Yah Satellite Communications Company (Fax No.: +971-2-510 00 01)

9-16. Name of Contact Representative

Name:	Jennifer Hindin	Phone Number:	202-719-4975
Company:	Wiley Rein LLP	Fax Number:	202-719-7049
Street:	1776 K Street, NW	E-Mail:	jhindin@wileyrein.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006-
Attention:		Relationship:	Legal Counsel

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

- a1. Earth Station
- a2. Space Station

- (N/A) b1. Application for License of New Station
- (N/A) b2. Application for Registration of New Domestic Receive-Only Station
- b3. Amendment to a Pending Application
- b4. Modification of License or Registration
- b5. Assignment of License or Registration
- b6. Transfer of Control of License or Registration
- b7. Notification of Minor Modification
- (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
- (N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
- (N/A) b10. Other (Please specify)
- (N/A) b11. Application for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States
- (N/A) b12. Application for Database Entry
- b13. Amendment to a Pending Database Entry Application
- b14. Modification of Database Entry

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:	
<input checked="" type="checkbox"/> a. Fixed Satellite <input type="checkbox"/> b. Mobile Satellite <input type="checkbox"/> c. Radiodetermination Satellite <input type="checkbox"/> d. Earth Exploration Satellite <input type="checkbox"/> e. Direct to Home Fixed Satellite <input type="checkbox"/> f. Digital Audio Radio Service <input type="checkbox"/> g. Other (please specify)	
21. STATUS: Choose the button next to the applicable status. Choose only one. <input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier	22. If earth station applicant, check all that apply. <input type="checkbox"/> Using U.S. licensed satellites <input type="checkbox"/> Using Non-U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities: <input type="radio"/> Connected to a Public Switched Network <input type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A	
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s). <input type="checkbox"/> a. C-Band (4/6 GHz) <input checked="" type="checkbox"/> b. Ku-Band (12/14 GHz) <input type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.) Frequency Lower: Frequency Upper: (Please specify additional frequencies in an attachment)	

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- a. Fixed Earth Station
- b. Temporary-Fixed Earth Station
- c. 12/14 GHz VSAT Network
- d. Mobile Earth Station
- e. Geostationary Space Station
- f. Non-Geostationary Space Station
- g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY:

- Transmit/Receive Transmit-Only Receive-Only N/A

"For Space Station applications, select N/A."

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

- a -- authorization to add new emission designator and related service
- b -- authorization to change emission designator and related service
- c -- authorization to increase EIRP and EIRP density
- d -- authorization to replace antenna
- e -- authorization to add antenna
- f -- authorization to relocate fixed station
- g -- authorization to change frequency(ies)
- h -- authorization to add frequency
- i -- authorization to add Points of Communication (satellites & countries)
- j -- authorization to change Points of Communication (satellites & countries)
- k -- authorization for facilities for which environmental assessment and radiation hazard reporting is required
- l -- authorization to change orbit location
- m -- authorization to perform fleet management
- n -- authorization to extend milestones
- o -- Other (Please specify)

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments. Yes No

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

29. Is the applicant a foreign government or the representative of any foreign government? Yes No

30. Is the applicant an alien or the representative of an alien? Yes No N/A

31. Is the applicant a corporation organized under the laws of any foreign government? Yes No N/A

32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? Yes No N/A

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? Yes No N/A

34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.

BASIC QUALIFICATIONS

35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? Yes No
If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.

36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances. Yes No

37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.

Yes No

38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances

Yes No

39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.

Yes No

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.

Response to Q 40

41. 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

42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.

Yes No

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

DIRECTV Enterprises, LLC and Intelsat License LLC hereby jointly request that the Commission substitute DIRECTV for Intelsat as the applicant for the space station authorization, call sign S2922.

Narrative

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

C

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing
Phil Goswitz

→

46. Title of Person Signing
Senior Vice President, Video, Space and Comm.

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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