

FCC 312
Main Form

FEDERAL COMMUNICATIONS COMMISSION

APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS

FCC Use Only
File Number:
Call Sign:
Fee Number:

Approved by OMB
3060-0678
Est. Avg. Burden Hours
Per Response: 11 Hrs.

APPLICANT INFORMATION

1. Legal Name of Applicant Universal Space Network, Inc.		2. Voice Telephone Number 949-476-3432
3. Other Name Used for Doing Business (if any)		4. Fax Telephone Number 949-851-9485
5. Mailing Street Address or P.O. Box 1501 Quail Street, Suite 102		6. City Newport Beach
ATTENTION: Joanne Greet 215-328-9130 phone		7. State / Country (if not U.S.A.) CA
9. Name of Contact Representative (If other than applicant)		8. Zip Code 92660
11. Firm or Company Name		10. Voice Telephone Number
13. Mailing Street Address or P.O. Box		12. Fax Telephone Number
ATTENTION:		14. City
		15. State / Country (if not U.S.A.)
		16. Zip Code

CLASSIFICATION OF FILING

17. Place an "X" in the box next to the classification that applies to this filing for both questions a. and b. Mark only one box for 17a and only one box for 17b.																
<table border="0"> <tr> <td><input checked="" type="checkbox"/> a1. Earth Station</td> <td><input type="checkbox"/> b6. Transfer of Control of License or Registration</td> </tr> <tr> <td><input type="checkbox"/> a2. Space Station</td> <td><input type="checkbox"/> b7. Notification of Minor Modification</td> </tr> <tr> <td></td> <td><input type="checkbox"/> b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite</td> </tr> <tr> <td></td> <td><input type="checkbox"/> b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> b10. Other (Please Specify): Application to request Special Temporary Aut</td> </tr> </table>	<input checked="" type="checkbox"/> a1. Earth Station	<input type="checkbox"/> b6. Transfer of Control of License or Registration	<input type="checkbox"/> a2. Space Station	<input type="checkbox"/> b7. Notification of Minor Modification		<input type="checkbox"/> b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite		<input type="checkbox"/> b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States		<input checked="" type="checkbox"/> b10. Other (Please Specify): Application to request Special Temporary Aut	<table border="0"> <tr> <td><input type="checkbox"/> b1. Application for License of New Station</td> </tr> <tr> <td><input type="checkbox"/> b2. Application for Registration of New Domestic Receive-Only Station</td> </tr> <tr> <td><input type="checkbox"/> b3. Amendment to a Pending Application</td> </tr> <tr> <td><input type="checkbox"/> b4. Modification of License or Registration</td> </tr> <tr> <td><input type="checkbox"/> b5. Assignment of License or Registration</td> </tr> </table>	<input type="checkbox"/> b1. Application for License of New Station	<input type="checkbox"/> b2. Application for Registration of New Domestic Receive-Only Station	<input type="checkbox"/> b3. Amendment to a Pending Application	<input type="checkbox"/> b4. Modification of License or Registration	<input type="checkbox"/> b5. Assignment of License or Registration
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18. If this filing is in reference to an existing station, enter: Call sign of station: N/A																
19. If this filing is an amendment to a pending application enter: (a) Date pending application was filed: (b) File number of pending application:																

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s). Place an "X" in the box(es) next to all that apply.

<input type="checkbox"/>	a. Fixed Satellite	<input type="checkbox"/>	e. Direct to Home Fixed Satellite
<input type="checkbox"/>	b. Mobile Satellite	<input type="checkbox"/>	f. Digital Audio Radio Service
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	g. Other (please specify) in orbit test support (IOT)

21. STATUS: Place an "X" in the box next to the applicable status. Mark only one box.

<input checked="" type="checkbox"/>	a. Common Carrier	<input type="checkbox"/>	a. Using U.S. licensed satellites
<input type="checkbox"/>	b. Non-Common Carrier	<input type="checkbox"/>	b. Using Non-U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Mark only one box. Are these facilities:

<input type="checkbox"/>	a. Connected to the Public Switched Network	<input type="checkbox"/>	b. Not connected to the Public Switched Network
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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 type="checkbox"/>	b. Ku-Band (12/14 GHz)	
<input checked="" type="checkbox"/>	c. Other (Please specify) S-band and Extended C-band (7 GHz)	

TYPE OF STATION

25. CLASS OF STATION: Place an "X" in the box next to the class of station that applies. Mark only one box.

<input checked="" type="checkbox"/>	a. Fixed Earth Station	<input type="checkbox"/>	b. Temporary-Fixed Earth Station	<input type="checkbox"/>	c. 12/14 GHz VSAT Network	<input type="checkbox"/>	d. Mobile Earth Station	<input type="checkbox"/>	e. Space Station	<input type="checkbox"/>	f. Other (Specify)
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If space station applicant, go to Question 27.

26. TYPE OF EARTH STATION FACILITY. Mark only one box.

<input checked="" type="checkbox"/>	a. Transmit/Receive	<input type="checkbox"/>	b. Transmit-Only	<input type="checkbox"/>	c. Receive-Only
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PURPOSE OF MODIFICATION OR AMENDMENT

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

<input type="checkbox"/>	a -- authorization to add new emission designator and related service
<input type="checkbox"/>	b -- authorization to change emission designator and related service
<input type="checkbox"/>	c -- authorization to increase EIRP and EIRP density
<input type="checkbox"/>	d -- authorization to replace antenna
<input type="checkbox"/>	e -- authorization to add antenna
<input type="checkbox"/>	f -- authorization to relocate fixed station
<input type="checkbox"/>	g -- authorization to change assigned frequency(ies)
<input type="checkbox"/>	h -- authorization to add Points of Communication (satellites & countries)
<input type="checkbox"/>	i -- authorization to change Points of Communication (satellites & countries)
<input type="checkbox"/>	j -- authorization for facilities for which environmental assessment and radiation hazard reporting is required
<input checked="" type="checkbox"/>	k -- Other (Please Specify) N/A

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 as an exhibit for new transmitting facilities, major modifications, or major amendments. Refer to OET Bulletin 65.

YES NO

ALIEN OWNERSHIP

29. Is the applicant a foreign government or the representative of any foreign government?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
30. Is the applicant an alien or the representative of an alien?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit, the 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? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
36. Has the applicant or any party to this application 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 the circumstances.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
37. Has the applicant, or any party to this application, 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 the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> 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 the circumstances.	<input type="checkbox"/> YES	<input type="checkbox"/> 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.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, addresses, and citizenship of those stockholders owning of 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.		
41. By checking Yes, the undersigned certifies, that neither the 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.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> 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.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> 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? <u>International Telecommunication Union</u>		

43. Description. (Summarize the nature of the application and the services to be provided).
 USN ground station in Hawaii shall be used to assist Space Systems Loral and Sirius XM Radio during the In Orbit Testing (IOT) of the Sirius FM-6 Spacecraft (call sign S2812).
 Communications shall consist of telemetry, telecommand, and payload calibration of the satellite.
 IOT shall last no longer than 28 days after the spacecraft has been parked.

Exhibit No.	Identify all exhibits that are attached to this application.

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): (Place an "X" in the box next to applicable response.)

a. Individual
 b. Unincorporated Association
 c. Partnership
 d. Corporation
 e. Governmental Entity
 f. Other (Please specify) _____

45. Typed Name of Person Signing
 Joanne Greet

46. Title of Person Signing
 Manager, Compliance

47. Signature
 Joanne Greet

48. Date
 25 October 2013

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).

FEDERAL COMMUNICATIONS COMMISSION

FCC 312 - Schedule A

(Place an "X" in one of the blocks below)

CONSENT TO TRANSFER OF CONTROL CONSENT TO ASSIGNMENT OF LICENSE

NOTIFICATION OF TRANSFER OF CONTROL OF RECEIVE ONLY REGISTRATION NOTIFICATION OF ASSIGNMENT OF RECEIVE ONLY REGISTRATION

FCC Use Only

A1. Name of Licensee or Registrant		A2. Voice Telephone Number	
A3. Mailing Street Address or P.O. Box		A4. Fax Telephone Number	
ATTENTION:		A7. Zip Code	
A5. City		A6. State / Country (if not U.S.A.)	
A8. List Call Sign(s) of station(s) being assigned or transferred		A9. No. of station(s) listed	
A10. Name of Transferor/Assignor (if different than licensee or registrant)			
A11. Mailing Street Address or P.O. Box			
A12. City	A13. State/Country	A14. Zip Code	A15. Name of Transferee/Assignee
A17. City	A18. State/Country	A19. Zip Code	A16. Mailing Street Address or P.O. Box
<p>A20. If these facilities are licensed, is the transferee/assignee directly or indirectly controlled by any other entity? If Yes, attach as an exhibit, a statement (including organizational diagrams where appropriate) which fully and completely identifies the nature and extent of control including: (1) the name, address, citizenship, and primary business of the controlling entity and any intermediate subsidiaries or parties; and (2) the names, addresses, citizenship, and the percentages of voting and equity stock of those stockholders holding 10 percent or more of the controlling corporation's voting stock.</p> <p align="center"> <input type="checkbox"/> YES <input type="checkbox"/> NO </p>			
<p>A21. If these facilities are licensed, attach as an exhibit, a complete statement setting forth the facts which show how the assignment or transfer will serve the public interest.</p>			
CERTIFICATION			
<p>1. The undersigned, individually and for licensee, certifies that all attached exhibits pertinent to Schedule A and all statements made in Schedule A of this application are true, complete and correct to the best of his/her knowledge and belief. The undersigned also certifies that any contracts or other instruments submitted herewith are complete and constitute the full agreement.</p>			
<p>2. The undersigned represents that stock will not be delivered and that control will not be transferred until the Commission's consent has been received, but that transfer of control or assignment of license will be completed within 60 days of Commission consent. The undersigned also acknowledges that the Commission must be notified by letter within 30 days of consummation.</p>			
A22. Printed Name of Licensee (Must agree with A1)	A23. Signature	A24. Title (Office Held by Person Signing)	A25. Date
A26. Printed Name of License Transferor/Assignor (if different than licensee. Must agree with A10)	A27. Signature	A28. Title (Office Held by Person Signing)	A29. Date
A30. Printed Name of License Transferee/Assignee (Must agree with A15)	A31. Signature	A32. Title (Office Held by Person Signing)	A33. Date

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE EARTH STATION AUTHORIZATIONS
(Technical and Operational Description)

License of New Station Registration of New Domestic Receive-Only Station Amendment to a Pending Application Modification of License/Registration Notification of Minor Modification

B1. Location of Earth Station Site. If temporary-fixed, mobile, or VSAT remote facility, specify area of operation and point of contact. If VSAT hub station, give its location. For VSAT networks attach individual Schedule B, Page 1 sheets for each hub station and each remote station. Individually provide the Location, Points of Communications, and Destination Points for each hub and remote station.

B1a. Station Call Sign USHI02	B1b. Site Identifier (HUB, REMOTE1, etc.) 93-1704 South Point Road	B1c. Telephone Number 808-929-8069	B1j. Geographic Coordinates Deg. - Min. - Sec. - E/W Lat. 19 0 49.6 N Lon. 155 39 46.6 W	B1k. Lat./Lon. Coordinates are: <input type="checkbox"/> NAD-27 <input checked="" type="checkbox"/> NAD-83
B1d. Street Address of Station or Area of Operation 93-1704 South Point Road	B1e. Name of Contact Person Joanne Greet	B1h. State HI	B1i. Zip Code 96772-0842	B1l. Site Elevation (AMSL) 373.0 meters
B1f. City Naalehu	B1g. County Ka'u			

B2. Points of Communications: List the names and orbit locations of all satellites with which this earth station will communicate. The entry "ALSAT" is sufficient to identify the names and locations of all satellite facilities licensed by the U.S. All non-U.S.-licensed satellites must be listed individually.

Satellite Name and Orbit Location	Satellite Name and Orbit Location
M-6 (S2812) GTO and parking at 115.2 degree	

B3. Destination points for communications using non-U.S. licensed satellites. For each non-U.S. licensed satellite facility identified in section B2 above, specify the destination point(s) (countries) where the services will be provided by this earth station via each non-U.S. licensed satellite system. Use additional sheets as needed.

Satellite Name	List of Destination Points
Sirius FM-6	Space Systems Loral, Palo Alto, California and Sirius XM Radio, Vernon, New Jersey

FEDERAL COMMUNICATIONS COMMISSION
 SATELLITE EARTH STATION AUTHORIZATIONS
 FCC Form 312 - Schedule B: (Technical and Operational Description)

B4. Earth Station Antenna Facilities: Use additional pages as needed.

(a) Site ID*	(b) Antenna ID**	(c) Quantity	(d) Manufacturer	(e) Model	(f) Antenna Size (meters)	(g) Antenna Gain Transmit and/or Receive (___ dBi at ___ GHz)
USHI02	HI-13M-2	1	Datron	1453	13	< 57.1 dBi @ 7052 MHz X 46.9 dBi @ 2250MHz

B5. Antenna Heights and Maximum Power Limits: (The corresponding Antenna ID in tables B4 and B5 applies to the same antenna)

(a) Antenna ID**	(b) Antenna Structure Registration No.	Maximum Antenna Height		(e) Building Height Above Ground Level (meters)***	(f) Maximum Antenna Height Above Rooftop (meters)***	(g) Total Input Power at antenna flange (Watts)	(h) Total EIRP for all carriers (dBW)
		(c) Above Ground Level (meters)	(d) Above Mean Sea Level (meters)				
HI-13M-2	N/A	10	383	N/A+	N/A+	2000W	85dBW
					Antenna are non a building, x bldg ht. is 1 non-GEO		
0-360	0-360	18.0 dBW			Non-GEO	5 degrees	5 degrees

Notes: * If this is an application for a VSAT network, identify the site (Item B1b, Schedule B, Page 1) where each antenna is located. Also include this Site-ID on Schedule B, Page 5.
 ** Identify each antenna in VSAT network or multi-antenna station with a unique identifier, such as HUB, REMOTE1, A1, A2, 10M, 12M, 7M, etc. Use this same antenna ID throughout tables B4, B5, B6, and B7 when referring to the same antenna.
 *** Attach sketch of site or exemption. See 47 CFR Part 17.

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B: (Technical and Operational Description)

B6. Frequency Coordination Limits: Use additional pages as needed.

(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) Range of Satellite Arc Eastern Limit**	(d) Range of Satellite Arc Western Limit**	(e) Antenna Elevation Angle Eastern Limit	(f) Antenna Elevation Angle Western Limit	(g) Earth Station Azimuth Angle Eastern Limit	(h) Earth Station Azimuth Angle Western Limit	(i) Maximum EIRP Density toward the Horizon (dBW/4KHz)
HI-13M-2	7062 - 7070 MHz	non-GEO	Non-GEO	5 degrees	5 degrees	0-360	0-360	18.0 dBW
			HI-13M-2	62 - 7070 MHz				

Notes: * Provide the ANTENNA-ID from table B4 to identify the antenna to which each frequency band and orbital arc range is associated.
 ** If operating with geostationary satellites, give the orbital arc limits and the associated elevation and azimuth angles. If operating with non-geostationary satellites, give the notation "NON-GEO" for the satellite arc and give the minimum operational elevation angle and the maximum azimuth angle range.

FEDERAL COMMUNICATIONS COMMISSION
 SATELLITE EARTH STATION AUTHORIZATIONS
 FCC Form 312 - Schedule B: (Technical and Operational Description)

If VSAT Network, provide the SITE-ID (Item B1b) of the station that B8-B13 are in response to (HUB, REMOTE1, etc.): N/A -not VSAT network

B8. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy. YES NO

B9. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements? YES NO

B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.

Remote Control Point Location:			
B10a. Street Address	417 Caredean Drive, Suite A		
B10b. City	B10c. County	B10d. State / Country	B10e. Zip Code
Horsham	Montgomery	PA	19044
B10f. Telephone Number	B10g. Call Sign of Control Station (if appropriate)		
215-328-9130			

B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit. YES NO

B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit. YES NO

B13. FAA Notification - (See 47 CFR Part 17 and 47 CFR Part 25.113(c))
 Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation?
FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. YES NO