

Request for STA

Pursuant to Section 25.120 of the FCC's Rules, the applicant, WFTV, Inc., requests Special Temporary Authority ("STA") to operate a fixed satellite at Orlando, Florida in the manner described in the attached license application.

The applicant filed a license application for a transmit/receive Ku-Band satellite earth station on September 21, 2016 (Submission ID IB2016002124, FCC File Number SES-LIC-20160921-00797) (the "Pending Application"). The application is currently pending. The applicant now requests STA to operate the earth station beginning on or before **October 10, 2016**, using the technical parameters provided in the Pending Application, and until the permanent license application is granted. The earth station will be used in connection with the broadcast operations of WFTV(TV), Orlando, Florida, and in particular, will be a backup facility for other earth stations licensed to the applicant for a Senate debate, scheduled for October 17, 2016. Operation of the earth station pursuant to STA by October 10, 2016 will give the applicant ample time to confirm all operating parameters are in working order prior to the debate. The public interest would be well served by grant of STA to allow for use of the new station until the permanent authorization is issued.

Attached is a copy of the Pending Application for permanent authority that provides the proposed technical facilities.

FCC IBFS - Electronic Filing

Submission_id :IB2016002124
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Approved by OMB
3060-0678

Date & Time Filed: Sep 21 2016 5:28:43:920PM

File Number: SES-LIC-INTR2016-02124

Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS

**FCC 312 MAIN FORM
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

New T/R Fixed Earth Station

1-8. Legal Name of Applicant

Name:	WFTV, Inc.	Phone Number:	407-841-9000
DBA Name:		Fax Number:	
Street:	490 E. South Street	E-Mail:	Jeff.Juniet@coxinc.com
City:	Orlando	State:	FL
Country:	USA	Zipcode:	32801 -
Attention:	Chief Engineer		

9-16. Name of Contact Representative

Name:	Michael Basile	Phone Number:	202-776-2556
Company:	Cooley LLP	Fax Number:	
Street:	1299 Pennsylvania Avenue, NW Suite 700	E-Mail:	mdbasile@cooley.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20004-
Attention:	Michael Basile	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.

a.

- a1. Earth Station
(N/A) a2. Space Station

b.

- b1. Application for License of New Station
 b2. Application for Registration of New Domestic Receive-Only Station
(N/A) b3. Amendment to a Pending Application
(N/A) b4. Modification of License or Registration
(N/A) b5. Assignment of License or Registration
(N/A) b6. Transfer of Control of License or Registration
(N/A) 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
 b10. Other (Please specify)
 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.

17c. 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):

17d.
 Fee Classification BAX - Fixed Satellite Transmit/Receive Earth Station

18. If this filing is in reference to an existing station, enter:

(a) Call sign of station:
 Not Applicable

19. If this filing is an amendment to a pending application enter:

(a) Date pending application was filed:

(b) File number of pending application:

Not Applicable

Not Applicable

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:

- a. Fixed Satellite
 b. Mobile Satellite
 c. Radiodetermination Satellite
 d. Earth Exploration Satellite
 e. Direct to Home Fixed Satellite
 f. Digital Audio Radio Service
 g. Other (please specify)

21. STATUS: Choose the button next to the applicable status. Choose only one.

- Common Carrier Non-Common Carrier

22. If earth station applicant, check all that apply.

- Using U.S. licensed satellites
 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:

- Connected to a Public Switched Network Not connected to a Public Switched Network N/A

24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).

- a. C-Band (4/6 GHz) b. Ku-Band (12/14 GHz)
 c. Other (Please specify upper and lower frequencies in MHz.)

Frequency Lower: Frequency Upper:

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
 (N/A) e. Geostationary Space Station
 (N/A) f. Non-Geostationary Space Station
 g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY: Choose only one.

- Transmit/Receive Transmit-Only Receive-Only 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.)

Not Applicable

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?	<input type="radio"/> Yes <input checked="" type="radio"/> No
30. Is the applicant an alien or the representative of an alien?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> 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?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> 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?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> 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? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	<input type="radio"/> Yes <input checked="" type="radio"/> No
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.	<input type="radio"/> Yes <input checked="" type="radio"/> 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.	<input type="radio"/> Yes <input checked="" type="radio"/> 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	<input type="radio"/> Yes <input checked="" type="radio"/> 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="radio"/> Yes <input checked="" type="radio"/> 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.	
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. <i>See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.</i>	
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.	
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). Earth station will be used to transmit news and event coverage in the Orlando, FL area.	
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.	
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.	

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
Lance Lovell

46. Title of Person Signing
Vice President - Legal

47. Please supply any need attachments.

Attachment 1:

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).**

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

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Location of Earth Station Site

E1: Site Identifier:	1	E5: Call Sign:	
E2: Contact Name	Jeff Juniet	E6: Phone Number:	407-841-9000
E3: Street:	490 East South Street	E7: City:	Orlando
E4: State	FL	E8: County:	Orange
E10: Area of Operation:		E9: Zip Code	32801
E11: Latitude:	28 ° 32 ' 16.0 " N	490 East South Street, Orlando, FL	
E12: Longitude:	81 ° 22 ' 12.0 " W		
E13: Lat/Lon Coordinates are:	<input checked="" type="radio"/> NAD-27	<input checked="" type="radio"/> NAD-83	<input type="radio"/> N/A
E14: Site Elevation (AMSL):	26.5 meters		

E15. 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 measurement? If NO, provide a technical analysis showing compliance with

Yes No N/A

two-degree spacing policy.	
E16. 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?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input type="radio"/> Yes <input checked="" type="radio"/> No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	<input type="radio"/> Yes <input checked="" type="radio"/> No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	<input type="radio"/> Yes <input checked="" type="radio"/> No
E20. 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.	<input type="radio"/> Yes <input checked="" type="radio"/> No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(____ dBi at ____ GHz)	
1	1	1	Satcom Technologies	551KS	5.5	55.0 dBi at 12	
						56.2 dBi at 14	
E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
1	0.0/0.0	6.9	33.4	0.0	80.0	0.0	75.23

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
1	11700 12200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulation and Services ONE 36 MBIT MCPC DIGITAL CARRIER WITH AN EMISSION DESIGNATOR OF 36M0G7W.						
1	14000 14500	T	Horizontal and Vertical	36M0G7W	75.23	35.69
E50. Modulation and Services ONE 36 MBIT MCPC DIGITAL CARRIER WITH AN EMISSION DESIGNATOR OF 36M0G7W.						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits (MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
1	Geostationary	14000 14500	67.0/ 143.0	151.7	53.1	255.5	16.3	-18.0

REMOTE CONTROL POINT LOCATION**REMOTE CONTROL POINT LOCATION**

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.			E65. Phone Number		
E62. Street Address					
E63. City		E67. County		E64/68. State/Country	E66. Zip Code

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 0.25 - 24 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-PERF, 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 PRA@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.

RF HAZARD STATEMENT
FIXED EARTH STATION
ORLANDO, FLORIDA

This RF Hazard Statement was prepared on behalf of WFTV, Inc., in support of an evaluation of the radio frequency (RF) environment in the vicinity of the antenna of a fixed earth station antenna. This statement details compliance with Section 1.1307(b) of the FCC Rules concerning human exposure RF energy. This statement also details the RF safety work rules for the safe operation of the proposed facility.

Background

The facility will transmit in the Ku Band with a maximum EIRP of 75.23 dBW. The facility will employ a Satcom Technologies model 551KS 5.5-meter aperture antenna, which is mounted on a short pedestal. The antenna has an overall height of 6.9 m above ground level.

Calculated RF Exposure Levels

Based on Section 73.1310 of the FCC Rules, the pertinent maximum permissible exposure (MPE) limits for the subject facility are as follows:

Frequency (MHz)	MPE for General Population/Uncontrolled Exposure (mW/cm ²)	MPE for Occupational / Controlled Exposure (mW/cm ²)
14,000 – 14,500	1.0	5.0

Calculations of RF exposure were conducted pursuant to the FCC's OET Bulletin No. 65, *Evaluating Compliance with FCC Guidelines for Human Exposure to*

Radiofrequency Electromagnetic Fields (Edition 97-01, August 1997). The following parameters were employed in the calculations:

Antenna Gain = 56.2 dBi
Frequency = 14,250 MHz
Diameter = 5.5 m = 550 cm
Input Power = 80 watts = 80,000 mW
Efficiency Factor (calculated) = 0.62

The following is calculated based on the equations contained in FCC OET Bulletin No. 65:

Extent of near-field, $R_{nf} = 359.2$ m
Maximum on-axis near-field power density, $S_{nf} = 0.83$ mW/cm²
Distance to beginning of far-field, $R_{ff} = 862.1$ m
Far-field on-axis power density, $S_{ff} = 0.36$ mW/cm²

Based on FCC OET Bulletin No. 65, “for off-axis calculations in the near-field and in the transition region it can be assumed that, if the point of interest is at least one antenna diameter removed from the center of the main beam, the power density at that point would be at least a factor 100 (20 dB) less than the value calculated for the equivalent distance in the main beam.”* Therefore, at 5.5 m or more removed from the center of the main beam of the antenna, the power density level would be less than ($S_{nf} / 100 =$) 0.0083 mW/cm².

For areas in the vicinity of the antenna, calculations based on simple far-field calculations were used to estimate the RF exposure levels for locations located from 48° and greater off-axis.† Based on these calculations, the general population / uncontrolled environment requirement of 1.0 mW/cm² would be met at distances exceeding 0.5 m from the dish.

* See ¶2 on Page 31 of OET Bulletin No. 65.

† See ¶3 on Page 31 of OET Bulletin No. 65 with reference to Equation 18 on Page 30.

Based on the above, the area within 5.5 meters (18 feet) or greater from the center of the main beam, and within 0.5 m (2 ft) at 48° or greater off-axis from the dish itself, shall be restricted from access and properly posted warning signs. RF energy levels outside of the restricted area will be below the FCC MPE for general population / uncontrolled environments. Therefore, the proposed facility meets the requirements of Section 1.1307(b) concerning human exposure to RF energy.

Work Rules for Control of RF Exposure

All persons must adhere to the following work rules for compliance with the FCC guidelines for human exposure RF energy.

1. No persons shall be within the restricted area surrounding the earth station antenna when it is transmitting.
2. In the event persons are required to enter the restricted area surrounding the earth station antenna, the antenna transmissions will be terminated until all persons exit the restricted area.
3. The applicant shall ensure that the main beam of the antenna will be pointed at least one antenna diameter away from any buildings or other obstacles in those areas that exceed the MPE levels.



Louis R. du Treil, Jr.

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, Florida 34237
(941)329-6000

September 21, 2016



Electronic Form 159

Payment Confirmation

Your transaction has been approved. For your records, please note the following:

AGENCY TRACKING ID:	PGC2874588
AUTHORIZATION NUMBER :	027435
AMOUNT PAID :	\$2,825.00

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