

Request for Special Temporary Authority
EXPEDITED PROCESSING REQUESTED

Louisiana Television Broadcasting, LLC, (“LTB”) the licensee of full power television station WBRZ-TV, Baton Rouge, Louisiana, and the licensee of recently expired fixed earth station license E4868, hereby respectfully requests special temporary authority (“STA”), to be effective as soon as possible, to operate its fixed transmit-receive earth station at the parameters specified in the attached materials. (The attached materials consist of information being used for frequency coordination for the facility and the technical portion of a draft Form 312 new license application, which will be filed after frequency coordination is complete.) In connection herewith, LTB is preparing to file a new license application for a new license for the recently-expired E4868 facility, but cannot file the license application until frequency coordination for the facility is complete.

In mid-July, more than 30 days after the expiration of the E4868 license, it was discovered that a timely filing for the E4868 license had not been made. Moreover, because more than 30 days had passed since the expiration of the E4868 license, the reinstatement provisions of Section 25.163(a) are not available to LTB. Hence the need to file both a new license application (which, to reiterate, will be filed after frequency coordination is complete) and the instant STA request. Grant of the instant STA request would be in the public interest because it would permit LTB to use the transmit functionality of the facility during the frequency coordination period and the subsequent pendency of the new license application.

LTB’s use of the fixed transmit-receive dish that is the subject of the STA request is intermittent. Generally, LTB’s use of the transmit functionality occurs only on an on-demand basis, when there is news and information content (including but not limited to live interviews, local hurricane/storm coverage, election night coverage) to share with programming partners such as broadcast and cable networks and other broadcast stations. To be clear, LTB has not used the uplink (transmit) capability of the fixed earth station since the discovery of the expiration of the license.

Please note that this STA request is being filed (and the new license application will be filed) using the licensee’s name Louisiana Television Broadcasting, LLC. According to the International Bureau’s online records in IBFS, the E4868 license is still held in the name of Louisiana Television Broadcasting, Inc. It is unclear why the licensee’s old name is still in use for this facility; a pro forma assignment application was timely filed in 1999, granted in 2000, and consummation of the assignment is acknowledged in IBFS as follows:

File Number: SES-ASG-19991230-02306	Accepted For Filing PN Date: <u>01/19/2000</u>
Callsign: E4868	Action Taken PN Date: <u>02/16/2000</u>
Streamlined: N/A	Term Begin Date: None
Environmental Impact: N	Term End Date: None
Status: Action Complete	Date Filed: 12/30/1999
Red Light: N	
Status Date: 02/17/2000	
Last Action: Consummated	Last Action Date: 02/17/2000
Grant Date: 01/12/2000	Bond Date: None
DA #: None	Adopted Date: 02/16/2000
Released Date: 02/16/2000	
Nature of Service: Domestic Fixed Satellite Service	

Thus, to the extent that there is any confusion over the appropriate name of the licensee on E4868, in this STA application, in the frequency coordination materials, or in the new license application that will be filed at a later date, the correct licensee name should be and is Louisiana Television Broadcasting, LLC.

Finally, for clarity, the C-band coordination for this facility has commenced, and it is expected to conclude in late August 2018. While we request that this STA be granted before frequency coordination is complete, LTB observes that the frequency coordination situation should not be an impediment to a grant of the requested STA because the E4868 license was in force until June 11, 2018; as such it's highly unlikely that any new facility with interference implications for LTB's facility would have been granted authority to begin operating in the 5925 – 6425 MHz band between June 11 and the date this STA request is being filed.

It is respectfully submitted that grant of this STA request will serve the public interest by ensuring that LTB will be able to share important—and potentially life-saving—news and information to other broadcast stations and broadcast and cable networks during the frequency coordination period and during the pendency of the new license application for the facility.

* * *

Approved by OMB
3060-0678

Date & Time Filed:
File Number: ---
Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS	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:
Application for New Earth Station License

1-8. Legal Name of Applicant			
Name:	Louisiana Television Broadcasting, LLC	Phone Number:	225-387-2222
DBA Name:		Fax Number:	225-336-2246
Street:	1650 Highland Road PO Box 2906	E-Mail:	Richard@WBRZ.COM
City:	Baton Rouge	State:	LA
Country:	USA	Zipcode:	70802 -
Attention:	Richard F. Manship		
9-16. Name of Contact Representative			
Name:	Stephen Hartzell	Phone Number:	9198390300
Company:	Brooks, Pierce et al.	Fax Number:	9198390304
Street:	150 Fayetteville Street Suite 1700	E-Mail:	shartzell@brookspierce.com
City:	Raleigh	State:	NC
Country:	USA	Zipcode:	27601-
Attention:	Stephen Hartzell	Relationship:	Legal Counsel

CLASSIFICATION OF FILING

<p>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.</p> <p>a.</p> <p><input checked="" type="radio"/> a1. Earth Station (N/A) a2. Space Station</p>	<p>b.</p> <p><input checked="" type="radio"/> b1. Application for License of New Station</p> <p><input type="radio"/> 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</p> <p><input type="radio"/> b10. Other (Please specify)</p> <p><input type="radio"/> 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.</p>
<p>17c. Is a fee submitted with this application?</p> <p><input checked="" type="radio"/> If Yes, complete and attach FCC Form 159.</p>	

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

Yes No

RadHaz

application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

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 checked="" type="radio"/> No <input type="radio"/> N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input 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 checked="" type="radio"/> No <input 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 checked="" type="radio"/> No <input 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>	<input checked="" type="radio"/> Yes <input type="radio"/> 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 <i>47 C.F.R. 25.137, as appropriate</i> . If No, proceed to question 43.	<input type="radio"/> Yes <input checked="" type="radio"/> 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). This facility will be utilized for news and event coverage for the applicant's broadcast station(s).

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)
 Limited Liability Company

45. Name of Person Signing
 Charles Jake Manship

46. Title of Person Signing
 Director, Owner

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)**

FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier:	1	E5: Call Sign:	
E2: Contact Name	Chief Engineer	E6: Phone Number:	2253872222
E3: Street:	1650 Highland Road	E7: City:	Baton Rouge

E4. State	LA	E8. County:	East Baton Rouge
E10. Area of Operation:		E9. Zip Code	70802
E11. Latitude:	30 ° 25 ' 53.7 " N	Baton Rouge, LA	
E12. Longitude:	91 ° 11 ' 7.4 " W		
E13. Lat/Lon Coordinates are:	<input type="radio"/> NAD-27	<input checked="" type="radio"/> NAD-83	<input type="radio"/> N/A
E14. Site Elevation (AMSL):	10.67 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 two-degree spacing policy.			<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
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 checked="" type="radio"/> Yes <input 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: 1	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmitt and/or Recieve(___ dBi at ___ GHz)		
1	1	1	SCIENTIFIC ATLANTA	8002	10.0	50.8 dBi at 4.0		
						53.5 dBi at 6.0		
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		11.71	22.38	0.0	631.0	0.0	81.5

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 EIRP Density per Carrier(dBW/4kHz)
1	3700 4200	R	Horizontal and Vertical	36M0F8W	0.0	0.0
E50. Modulation and Services Analog Video With Associated Audio Subcarriers						
1	5925 6425	T	Horizontal and Vertical	36M0F8W	81.5	54.5
E50. Modulation and Services Analog Video With Associated Audio Subcarriers						

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	3700 4200	70.0/145.0	142.6	47.7	249.7	22.6	0.0
	Geostationary	5925 6425	70.0/145.0	142.6	47.7	249.7	22.6	-1.05

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-PER, 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.

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.

RF HAZARD STATEMENT
C-BAND FIXED EARTH STATION
LOUISIANA TELEVISION BROADCASTING, LLC
BATON ROUGE, LOUISIANA

This Engineering Statement was prepared on behalf of Louisiana Television Broadcasting, LLC, in support of an evaluation of the radio frequency (RF) environment in the vicinity of a C-Band 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 proposed facility will transmit in the C-Band with a maximum EIRP of 81.5 dBW. The facility will employ a Scientific Atlanta model 8200 10.0-meter diameter aperture antenna, which is mounted on the ground on a concrete foundation. The antenna has a maximum overall height of 11.71 m above ground level with an antenna centerline height of 6.71 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)
5,925 – 6,425	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 = 53.5 dBi
Frequency = 6,175 MHz
Diameter = 10.0 m = 1000 cm
Maximum Input Power = 631 watts = 631,000 mW
Efficiency Factor (calculated) = 0.54

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

Extent of near-field, $R_{nf} = 514.6$ m
Maximum on-axis near-field power density, $S_{nf} = 1.72$ mW/cm²
Distance to beginning of far-field, $R_{ff} = 1,235$ m
Far-field on-axis power density, $S_{ff} = 0.74$ 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."^{*} At one antenna diameter distance (10 m) cylindrically off-axis from the antenna main beam, the power density level would, therefore, be less than ($S_{nf}/100=$) 0.017 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 0.75 m (2.5 ft.) from the dish.

^{*} See ¶2 on Page 30 of OET Bulletin No. 65.

[†] See ¶3 on Page 30 of OET Bulletin No. 65 with reference to Equation 18 on Page 29.

Based on the above, the area within 10 meters or greater located cylindrically from the center of the main beam, and within 0.75 m (2.5 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 shall be terminated until all persons exit the restricted area.
3. The applicant shall ensure that no building or other obstacles will be in the areas that exceed the MPE levels.



Louis R. du Treil, Jr., P.E.

du Treil, Lundin & Rackley, Inc.
3135 Southgate Circle
Sarasota, FL 34239

July 26, 2018



COMSEARCH

A CommScope Company

July 25, 2018

Re: Louisiana Television Broadcasting, Inc.
BATON ROUGE, LA
Call Sign: E4868 Re-file
C-Band Transmit-Receive Earth Station
Job Number: 180725COMSGE06

***** Re-file of Expired Call Sign *****

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached revised coordination data on behalf of Louisiana Television Broadcasting, Inc. for the re-file of their existing C-Band Transmit-Receive Earth Station in BATON ROUGE, LA.

The coordination notice is being circulated to the owners (or their protection agents) of all existing or proposed terrestrial facilities operating in a shared frequency band within the coordination contours of the proposed station(s). Please update your database with the attached information.

We respectfully request that you examine this data for its interference potential with your system(s). In the event that your analysis identifies potential interference cases that were not previously reported, please contact us by August 29, 2018.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 07/25/2018
 Job Number: 180725COMSGE06

Administrative Information

Status ENGINEER PROPOSAL
 Call Sign E4868
 Licensee Code LOUDEL
 Licensee Name Louisiana Television Broadcasting, Inc.

Site Information **BATON ROUGE, LA**

Venue Name
 Latitude (NAD 83) 30° 25' 53.7" N
 Longitude (NAD 83) 91° 11' 7.4" W
 Climate Zone B
 Rain Zone 1
 Ground Elevation (AMSL) 10.67 m / 35.0 ft

Link Information

Satellite Type Geostationary
 Mode TR - Transmit-Receive
 Modulation Analog
 Satellite Arc 70° W to 145° West Longitude
 Azimuth Range 142.6° to 249.7°
 Corresponding Elevation Angles 47.7° / 22.6°
 Antenna Centerline (AGL) 6.71 m / 22.0 ft

Antenna Information

		Receive - S41001		Transmit - S61001
Manufacturer		SCIENTIFIC-ATLANTA, INC		SCIENTIFIC-ATLANTA, INC
Model		8002-SHORT MOUNT		8002-SHORT MOUNT
Gain / Diameter		50.8 dBi / 10.0 m		53.5 dBi / 10.0 m
3-dB / 15-dB Beamwidth		0.60° / 1.00°		0.32° / 0.70°
Max Available RF Power	(dBW/4 kHz)			1.0
	(dBW/MHz)			25.0
Maximum EIRP	(dBW/4 kHz)			54.5
	(dBW/MHz)			78.5
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz
	20%			
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz
	0.0025%			

Frequency Information

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	36M0F8W / 3700.0 - 4200.0	36M0F8W / 5925.0 - 6425.0
Max Great Circle Coordination Distance	520.3 km / 323.3 mi	274.8 km / 170.7 mi
Precipitation Scatter Contour Radius	573.6 km / 356.4 mi	204.4 km / 127.0 mi

Coordination Values**BATON ROUGE, LA**

Licensee Name Louisiana Television Broadcasting, Inc.
 Latitude (NAD 83) 30° 25' 53.7" N
 Longitude (NAD 83) 91° 11' 7.4" W
 Ground Elevation (AMSL) 10.67 m / 35.0 ft
 Antenna Centerline (AGL) 6.71 m / 22.0 ft
 Antenna Model SCIENTIFIC-ATLANTA, INC 8002-SHORT MOUNT
 Antenna Mode Receive 4.0 GHz Transmit 6.1 GHz
 Interference Objectives: Long Term -156.0 dBW/MHz 20% -154.0 dBW/4 kHz 20%
 Short Term -146.0 dBW/MHz 0.01% -131.0 dBW/4 kHz
 0.0025%

Max Available RF Power 1.0 (dBW/4 kHz)

Receive 4.0 GHz

Azimuth (°)	Transmit 6.1 GHz		Receive 4.0 GHz			
	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	108.71	-10.20	409.73	-9.50	225.86
5	0.00	113.27	-10.20	409.73	-9.50	225.86
10	0.00	117.11	-10.20	409.73	-10.76	218.07
15	0.00	114.25	-10.20	409.73	-9.50	225.86
20	0.00	111.26	-10.20	409.73	-9.50	225.86
25	0.00	108.17	-10.20	409.73	-9.50	225.86
30	0.00	104.99	-10.20	409.73	-9.50	225.86
35	0.00	101.74	-10.20	409.73	-9.50	225.86
40	0.00	98.43	-10.20	409.73	-9.50	225.86
45	0.00	95.10	-10.20	409.73	-9.50	225.86
50	0.00	91.74	-10.20	409.73	-9.50	225.86
55	0.00	88.37	-10.20	409.73	-9.50	225.86
60	0.00	85.01	-10.20	409.73	-9.50	225.86
65	0.00	81.67	-10.20	409.73	-9.50	225.86
70	0.00	78.37	-10.20	409.73	-9.50	225.86
75	0.00	75.12	-10.20	409.73	-9.50	225.86
80	0.00	71.93	-10.20	409.73	-9.50	225.86
85	0.00	68.83	-10.20	409.73	-9.50	225.86
90	0.00	65.84	-10.20	409.73	-9.50	225.86
95	0.00	62.98	-10.20	409.73	-9.50	225.86
100	0.00	60.27	-10.20	409.73	-9.50	225.86
105	0.00	57.74	-10.20	409.73	-9.50	225.86
110	0.00	55.42	-10.20	409.73	-9.50	225.86
115	0.00	53.35	-10.20	409.73	-9.50	225.86
120	0.00	51.55	-10.20	409.73	-9.50	225.86
125	0.00	50.06	-10.20	409.73	-9.50	225.86
130	0.00	48.91	-9.98	412.43	-9.50	225.86
135	0.00	48.12	-9.82	414.39	-9.50	225.86
140	0.00	47.72	-9.74	415.39	-9.50	225.86
145	0.00	47.71	-9.74	415.41	-9.50	225.86
150	0.00	48.10	-9.82	414.44	-9.50	225.86
155	0.00	48.88	-9.98	412.51	-9.50	225.86
160	0.00	50.02	-10.20	409.73	-9.50	225.86
165	0.00	51.50	-10.20	409.73	-9.50	225.86
170	0.00	53.12	-10.20	409.73	-9.50	225.86
175	0.00	54.18	-10.20	409.73	-9.50	225.86
180	0.00	54.54	-10.20	409.73	-9.50	225.86
185	0.00	54.18	-10.20	409.73	-9.50	225.86

Coordination Values**BATON ROUGE, LA**

Licensee Name Louisiana Television Broadcasting, Inc.
 Latitude (NAD 83) 30° 25' 53.7" N
 Longitude (NAD 83) 91° 11' 7.4" W
 Ground Elevation (AMSL) 10.67 m / 35.0 ft
 Antenna Centerline (AGL) 6.71 m / 22.0 ft
 Antenna Model SCIENTIFIC-ATLANTA, INC 8002-SHORT MOUNT
 Antenna Mode Receive 4.0 GHz Transmit 6.1 GHz
 Interference Objectives: Long Term -156.0 dBW/MHz 20% -154.0 dBW/4 kHz 20%
 Short Term -146.0 dBW/MHz 0.01% -131.0 dBW/4 kHz
 0.0025%

Max Available RF Power 1.0 (dBW/4 kHz)

Receive 4.0 GHz

Azimuth (°)	Transmit 6.1 GHz		Receive 4.0 GHz			
	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	53.12	-10.20	409.73	-9.50	225.86
195	0.00	51.43	-10.20	409.73	-9.50	225.86
200	0.00	49.20	-10.04	411.69	-9.50	225.86
205	0.00	46.53	-9.51	418.38	-9.50	225.86
210	0.00	43.49	-8.90	426.11	-9.20	227.76
215	0.00	40.16	-8.23	434.74	-8.53	231.97
220	0.00	36.61	-7.52	444.16	-7.14	240.94
225	0.00	32.95	-6.38	459.69	-6.09	247.92
230	0.00	29.60	-5.04	478.03	-5.34	252.98
235	0.00	26.71	-3.88	495.00	-4.18	259.29
240	0.00	24.46	-2.98	508.66	-3.17	266.47
245	0.00	23.03	-2.41	517.52	-2.32	272.77
250	0.00	22.58	-2.23	520.34	-2.05	274.80
255	0.00	23.16	-2.47	516.67	-2.40	272.17
260	0.00	24.71	-3.09	507.09	-3.33	265.36
265	0.00	27.06	-4.02	492.91	-4.32	258.31
270	0.00	30.02	-5.21	475.60	-5.50	251.86
275	0.00	33.43	-6.57	457.08	-6.19	247.28
280	0.00	37.16	-7.63	442.69	-7.36	239.51
285	0.00	41.12	-8.42	432.23	-8.72	230.75
290	0.00	45.26	-9.25	421.59	-9.50	225.86
295	0.00	49.52	-10.10	410.90	-9.50	225.86
300	0.00	53.88	-10.20	409.73	-9.50	225.86
305	0.00	58.32	-10.20	409.73	-9.50	225.86
310	0.00	62.80	-10.20	409.73	-9.50	225.86
315	0.00	67.33	-10.20	409.73	-9.50	225.86
320	0.00	71.89	-10.20	409.73	-9.50	225.86
325	0.00	76.48	-10.20	409.73	-9.50	225.86
330	0.00	81.08	-10.20	409.73	-9.50	225.86
335	0.00	85.69	-10.20	409.73	-9.50	225.86
340	0.00	90.31	-10.20	409.73	-9.50	225.86
345	0.00	94.92	-10.20	409.73	-9.50	225.86
350	0.00	99.53	-10.20	409.73	-9.50	225.86
355	0.00	104.13	-10.20	409.73	-9.50	225.86



COMSEARCH

A CommScope Company

July 25, 2018

Re: Louisiana Television Broadcasting, Inc.
BATON ROUGE, LA
Call Sign: E4868 Re-file
C-Band Transmit-Receive Earth Station
Job Number: 180725COMSGE06

***** Re-file of Expired Call Sign *****

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached revised coordination data on behalf of Louisiana Television Broadcasting, Inc. for the re-file of their existing C-Band Transmit-Receive Earth Station in BATON ROUGE, LA.

The coordination notice is being circulated to the owners (or their protection agents) of all existing or proposed terrestrial facilities operating in a shared frequency band within the coordination contours of the proposed station(s). Please update your database with the attached information.

We respectfully request that you examine this data for its interference potential with your system(s). In the event that your analysis identifies potential interference cases that were not previously reported, please contact us by August 29, 2018.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 07/25/2018
 Job Number: 180725COMSGE06

Administrative Information

Status ENGINEER PROPOSAL
 Call Sign E4868
 Licensee Code LOUDEL
 Licensee Name Louisiana Television Broadcasting, Inc.

Site Information **BATON ROUGE, LA**

Venue Name
 Latitude (NAD 83) 30° 25' 53.7" N
 Longitude (NAD 83) 91° 11' 7.4" W
 Climate Zone B
 Rain Zone 1
 Ground Elevation (AMSL) 10.67 m / 35.0 ft

Link Information

Satellite Type Geostationary
 Mode TR - Transmit-Receive
 Modulation Analog
 Satellite Arc 70° W to 145° West Longitude
 Azimuth Range 142.6° to 249.7°
 Corresponding Elevation Angles 47.7° / 22.6°
 Antenna Centerline (AGL) 6.71 m / 22.0 ft

Antenna Information

		Receive - S41001		Transmit - S61001
Manufacturer		SCIENTIFIC-ATLANTA, INC		SCIENTIFIC-ATLANTA, INC
Model		8002-SHORT MOUNT		8002-SHORT MOUNT
Gain / Diameter		50.8 dBi / 10.0 m		53.5 dBi / 10.0 m
3-dB / 15-dB Beamwidth		0.60° / 1.00°		0.32° / 0.70°
Max Available RF Power	(dBW/4 kHz) (dBW/MHz)			1.0 25.0
Maximum EIRP	(dBW/4 kHz) (dBW/MHz)			54.5 78.5
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz
	20%			
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz
	0.0025%			

Frequency Information

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	36M0F8W / 3700.0 - 4200.0	36M0F8W / 5925.0 - 6425.0
Max Great Circle Coordination Distance	520.3 km / 323.3 mi	274.8 km / 170.7 mi
Precipitation Scatter Contour Radius	573.6 km / 356.4 mi	204.4 km / 127.0 mi

Coordination Values	BATON ROUGE, LA		
Licensee Name	Louisiana Television Broadcasting, Inc.		
Latitude (NAD 83)	30° 25' 53.7" N		
Longitude (NAD 83)	91° 11' 7.4" W		
Ground Elevation (AMSL)	10.67 m / 35.0 ft		
Antenna Centerline (AGL)	6.71 m / 22.0 ft		
Antenna Model	SCIENTIFIC-ATLANTA, INC 8002-SHORT MOUNT		
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz 20%
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz
	0.0025%		
Max Available RF Power	1.0 (dBW/4 kHz)		

Transmit 6.1 GHz		Receive 4.0 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	108.71	-10.20	409.73	-9.50	225.86
5	0.00	113.27	-10.20	409.73	-9.50	225.86
10	0.00	117.11	-10.20	409.73	-10.76	218.07
15	0.00	114.25	-10.20	409.73	-9.50	225.86
20	0.00	111.26	-10.20	409.73	-9.50	225.86
25	0.00	108.17	-10.20	409.73	-9.50	225.86
30	0.00	104.99	-10.20	409.73	-9.50	225.86
35	0.00	101.74	-10.20	409.73	-9.50	225.86
40	0.00	98.43	-10.20	409.73	-9.50	225.86
45	0.00	95.10	-10.20	409.73	-9.50	225.86
50	0.00	91.74	-10.20	409.73	-9.50	225.86
55	0.00	88.37	-10.20	409.73	-9.50	225.86
60	0.00	85.01	-10.20	409.73	-9.50	225.86
65	0.00	81.67	-10.20	409.73	-9.50	225.86
70	0.00	78.37	-10.20	409.73	-9.50	225.86
75	0.00	75.12	-10.20	409.73	-9.50	225.86
80	0.00	71.93	-10.20	409.73	-9.50	225.86
85	0.00	68.83	-10.20	409.73	-9.50	225.86
90	0.00	65.84	-10.20	409.73	-9.50	225.86
95	0.00	62.98	-10.20	409.73	-9.50	225.86
100	0.00	60.27	-10.20	409.73	-9.50	225.86
105	0.00	57.74	-10.20	409.73	-9.50	225.86
110	0.00	55.42	-10.20	409.73	-9.50	225.86
115	0.00	53.35	-10.20	409.73	-9.50	225.86
120	0.00	51.55	-10.20	409.73	-9.50	225.86
125	0.00	50.06	-10.20	409.73	-9.50	225.86
130	0.00	48.91	-9.98	412.43	-9.50	225.86
135	0.00	48.12	-9.82	414.39	-9.50	225.86
140	0.00	47.72	-9.74	415.39	-9.50	225.86
145	0.00	47.71	-9.74	415.41	-9.50	225.86
150	0.00	48.10	-9.82	414.44	-9.50	225.86
155	0.00	48.88	-9.98	412.51	-9.50	225.86
160	0.00	50.02	-10.20	409.73	-9.50	225.86
165	0.00	51.50	-10.20	409.73	-9.50	225.86
170	0.00	53.12	-10.20	409.73	-9.50	225.86
175	0.00	54.18	-10.20	409.73	-9.50	225.86
180	0.00	54.54	-10.20	409.73	-9.50	225.86
185	0.00	54.18	-10.20	409.73	-9.50	225.86

Coordination Values	BATON ROUGE, LA		
Licensee Name	Louisiana Television Broadcasting, Inc.		
Latitude (NAD 83)	30° 25' 53.7" N		
Longitude (NAD 83)	91° 11' 7.4" W		
Ground Elevation (AMSL)	10.67 m / 35.0 ft		
Antenna Centerline (AGL)	6.71 m / 22.0 ft		
Antenna Model	SCIENTIFIC-ATLANTA, INC 8002-SHORT MOUNT		
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz 20%
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz
	0.0025%		
Max Available RF Power		1.0 (dBW/4 kHz)	

Transmit 6.1 GHz		Receive 4.0 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	53.12	-10.20	409.73	-9.50	225.86
195	0.00	51.43	-10.20	409.73	-9.50	225.86
200	0.00	49.20	-10.04	411.69	-9.50	225.86
205	0.00	46.53	-9.51	418.38	-9.50	225.86
210	0.00	43.49	-8.90	426.11	-9.20	227.76
215	0.00	40.16	-8.23	434.74	-8.53	231.97
220	0.00	36.61	-7.52	444.16	-7.14	240.94
225	0.00	32.95	-6.38	459.69	-6.09	247.92
230	0.00	29.60	-5.04	478.03	-5.34	252.98
235	0.00	26.71	-3.88	495.00	-4.18	259.29
240	0.00	24.46	-2.98	508.66	-3.17	266.47
245	0.00	23.03	-2.41	517.52	-2.32	272.77
250	0.00	22.58	-2.23	520.34	-2.05	274.80
255	0.00	23.16	-2.47	516.67	-2.40	272.17
260	0.00	24.71	-3.09	507.09	-3.33	265.36
265	0.00	27.06	-4.02	492.91	-4.32	258.31
270	0.00	30.02	-5.21	475.60	-5.50	251.86
275	0.00	33.43	-6.57	457.08	-6.19	247.28
280	0.00	37.16	-7.63	442.69	-7.36	239.51
285	0.00	41.12	-8.42	432.23	-8.72	230.75
290	0.00	45.26	-9.25	421.59	-9.50	225.86
295	0.00	49.52	-10.10	410.90	-9.50	225.86
300	0.00	53.88	-10.20	409.73	-9.50	225.86
305	0.00	58.32	-10.20	409.73	-9.50	225.86
310	0.00	62.80	-10.20	409.73	-9.50	225.86
315	0.00	67.33	-10.20	409.73	-9.50	225.86
320	0.00	71.89	-10.20	409.73	-9.50	225.86
325	0.00	76.48	-10.20	409.73	-9.50	225.86
330	0.00	81.08	-10.20	409.73	-9.50	225.86
335	0.00	85.69	-10.20	409.73	-9.50	225.86
340	0.00	90.31	-10.20	409.73	-9.50	225.86
345	0.00	94.92	-10.20	409.73	-9.50	225.86
350	0.00	99.53	-10.20	409.73	-9.50	225.86
355	0.00	104.13	-10.20	409.73	-9.50	225.86