



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST TRANSLATOR/BOOSTER STATION
CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

STATE UNIVERSITY OF NEW YORK
STATE UNIVERSITY PLAZA
ALBANY NY 12246

James D. Bradshaw
Deputy Chief
Audio Division
Media Bureau

Facility Id: 143586

Call Sign: W297BM

Permit File Number: BMPFT-20161223AAR

Grant Date: December 27, 2016

The authority granted herein has
no effect on the expiration date
of the underlying construction
permit.

This permit modifies permit no.: BNPFT-20130828AEJ

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Name of Permittee: STATE UNIVERSITY OF NEW YORK

Principal community to be served: NY-STONY BROOK

Primary Station: WUSB (FM) , Channel 211, STONY BROOK, NY

Via: Other

Frequency (MHz): 107.3

Channel: 297

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 40 deg 54 min 59 sec

West Longitude: 73 deg 07 min 28 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission

Antenna type: (directional or non-directional): Non-Directional

Major lobe directions (degrees true): Not Applicable

	Horizontally Polarized Antenna:	Vertically Polarized Antenna:
Effective radiated power in the Horizontal Plane (kw):	0.006	0.006
Height of radiation center above ground (Meters):	50	50
Height of radiation center above mean sea level (Meters):	90	90

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 51 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.

*** END OF AUTHORIZATION ***

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3080-0405 (October 2008)	FOR FCC USE ONLY
FCC 349		
APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN AN FM TRANSLATOR OR FM BOOSTER STATION		FOR COMMISSION USE ONLY FILE NO.
Read INSTRUCTIONS Before Filling Out Form		

Section I - General Information

1. Legal Name of the Applicant STATE UNIVERSITY OF NEW YORK		
Mailing Address STATE UNIVERSITY PLAZA ATTN: OFFICE OF GENERAL COUNSEL		
City ALBANY	State or Country (If foreign address) NY	ZIP Code 12248 -
Telephone Number (Include area code) 5183201400	E-Mail Address (If available)	
FCC Registration Number: Call Sign W297BM	Facility Identifier 143586	
2. Contact Representative (If other than Applicant) LISA S. CAMPO		
Mailing Address STATE UNIVERSITY PLAZA S-325		
City ALBANY	State or Country (If foreign address) NY	ZIP Code 12248 -
Telephone Number (Include area code) 5183201400	E-Mail Address (If available) LISA.CAMPO@SUNY.EDU	
3. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input checked="" type="checkbox"/> Governmental Entity <input type="checkbox"/> Noncommercial Educational Licensee/Permittee <input type="checkbox"/> Other <input checked="" type="checkbox"/> N/A (Fee Required)		
4. Facility Information:		
a. <input checked="" type="checkbox"/> FM Translator <input type="checkbox"/> FM Booster		
b. Community or communities to which the proposed facility will be licensed:		
Community(ies) STONY BROOK	State NY	
5. Application Purpose		
<input checked="" type="checkbox"/> New station <input type="checkbox"/> Major Modification of construction permit <input type="checkbox"/> Major Change in licensed facility <input type="checkbox"/> Minor Modification of construction permit <input type="checkbox"/> Minor Change in licensed facility <input type="checkbox"/> Major Amendment to pending application <input type="checkbox"/> Minor Amendment to pending application		
a. File number of original construction permit:		BNPFT-20130828AEJ [Exhibit 1]

If an amendment, submit as an Exhibit a listing by Section and Question Number the portions of the pending application that are being revised.

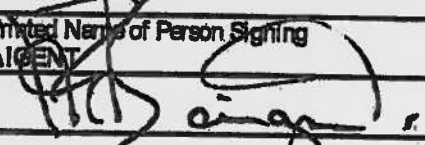
NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided. See General Instruction J.

Section II - Legal

1. Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.		<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Applicant is:		
<input checked="" type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation
<input type="radio"/> a limited partnership	<input type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)
<input checked="" type="radio"/> other		
a. If "other", describe nature of applicant in an Exhibit.		[Exhibit 2]
3. a. Applicant certifies that it is not the licensee or permittee of the commercial primary station being rebroadcast and that neither it nor any parties to the application have any interest in or connection with the commercial primary station being rebroadcast. See 47 C.F.R. Section 74.1232(d).		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 3]
b. Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 80 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site.		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 4]
NOTE: If No to a. and b., and no waiver has been requested in an Exhibit, this application is unacceptable for filing. See 47 C.F.R. Section 74.1232(d).		
If Yes to (a) and No to (b) applicant is prohibited from receiving any support, before or after construction, either directly or indirectly from the commercial primary station being rebroadcast or from any person or entity having any interest whatsoever, or any connection with the primary FM station. Interested and connected parties include group owners, corporate parents, shareholders, officers, directors, employees, general and limited partners, family members and business associates. See 47 C.F.R. Section 74.1232(e).		
4. The applicant, if for a commercial FM translator station with a coverage contour extending beyond the protected contour of the commercial primary station being rebroadcast, certifies that it has not received any support, before or after constructing, directly or indirectly, from the licensee/permittee of the primary station or any person with an interest in or connection with the licensee or permittee of the primary station, except for technical assistance as provided for under 47 C.F.R. Section 74.1232(e).		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 5]
5. For applicants proposing translator rebroadcasts that are not the licensee of the primary station, the applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted. If No, this application is unacceptable for filing.		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
6. Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:		<input checked="" type="radio"/> Yes <input type="radio"/> No
a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the		See Explanation in [Exhibit 6]

application; or b. any pending broadcast application in which character issues have been raised.	
7. Adverse Findings. Applicant certifies that, with respect to the applicant, any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination. If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and date of filing; and (ii) the disposition of the previously reported matter.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 7]
8. Alien Ownership and Control. Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 8]
9. Program Service Certification. Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	<input checked="" type="radio"/> Yes <input type="radio"/> No
10. Local Public Notice. Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.	<input checked="" type="radio"/> Yes <input type="radio"/> No
11. Auction Authorization. If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.6005(e), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable. An exhibit is required unless this question is inapplicable.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 9]
12. Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	<input checked="" type="radio"/> Yes <input type="radio"/> No
13. Equal Employment Opportunity (EEO). If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 398-A.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing PETER BAIGENT	Typed or Printed Title of Person Signing VP FOR STUDENT AFFAIRS
Signature 	Date 12/23/2016

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name DOUG VERNIER		Relationship to Applicant (e.g., Consulting Engineer) ENGINEERING CONSULTANT	
Signature		Date 12/22/2016	
Mailing Address DOUG VERNIER TELECOMMUNICATIONS CONSULTANTS 8893 LAKES BLVD			
City WEST PALM BEACH	State or Country (if foreign address) FL		Zip Code 33412 -
Telephone Number (Include area code) 3192688402		E-Mail Address (if available) DVERNIER@V-SOFT.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Section III-A - Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel: 297

2. Primary Station:

Facility ID Number	Call Sign	City	State
63110	WUSB	STONY BROOK	NY

3. Delivery Method (Select One):

☒ Off-air ☐ Microwave ☐ Satellite ☐ Via ☒ Other

4. Antenna Location Coordinates: (NAD 27)

Latitude:

Degrees 40 Minutes 54 Seconds 58.6 ☒ North ☐ South

Longitude:

Degrees 73 Minutes 7 Seconds 28.3 ☒ West ☐ East

5. Antenna Structure Registration Number:

☒ Not Applicable ☐ Notification filed with FAA

6. Antenna Location Site Elevation Above Mean Sea Level:

40 meters

7. Overall Tower Height Above Ground Level:

51 meters

8. Height of Radiation Center Above Ground Level:

50 meters(H) 50 meters(V)

9. Effective Radiated Power:

0.008 kW(H) 0.008 kW(V)

10. Transmitting Antenna:

Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under [CDBS Public Access](http://licensing.fcc.gov/prod/cdb/public/prod/cdb_pa.htm) (http://licensing.fcc.gov/prod/cdb/public/prod/cdb_pa.htm). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search.

☒ Nondirectional ☐ Directional Off-the-Shelf ☐ Directional composite

Manufacturer ERI Model 100A-1

Rotation: degrees ☐ No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0		10		20		30		40		50	
60		70		80		90		100		110	
120		130		140		150		160		170	
180		190		200		210		220		230	
240		250		260		270		280		290	
300		310		320		330		340		350	
Additional Azimuths											

Relative Field Polar Plot

11. For FM Boosters and Fill-In translators only. a. FM Fill-in translators. Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site.		<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A See Explanation in [Exhibit 10]
b. FM Boosters. Applicant certifies that the FM Booster station's service contour is entirely within the primary station's protected coverage contour.		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 11]
12. Interference. The proposed facility complies with all of the following applicable rule sections. Check all that apply: Overlap Requirements <input checked="" type="checkbox"/> a) 47 C.F.R. Section 74.1204 Exhibit Required. Television Channel 6 Protection. <input type="checkbox"/> b) 47 C.F.R. Section 74.1205 with respect to station(s) Exhibit Required.		<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 12] [Exhibit 13] [Exhibit 14]
13. Unattended operation. Applicant certifies that unattended operation is not proposed, or if this application proposes unattended operation, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234.		<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 15]
14. Multiple Translators. Applicant certifies that it does not have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station.		<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 16]
15. Environmental Protection Act. Applicant certifies that the proposed facility is excluded from environmental processing under 47 C.F.R. Section 1.1306 (i.e., the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an Exhibit is required. By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.		<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 17]

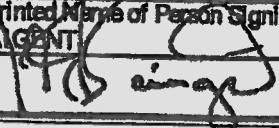
PREPARER'S CERTIFICATION ON PAGE 4 MUST BE COMPLETED AND SIGNED.

Section IV – Noncommercial Educational Point System Factors – New and Major Change Applications on Reserved Channels Only (used to select among mutually exclusive applications for new stations and major modifications) **NOTE:** Applicants will not received any additional points for amendments made after the close of the application filing window.

Preliminary Matter: Does this application provide fill-in service only?		<input type="checkbox"/> Yes <input type="checkbox"/> No
1. Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.		<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Diversity of Ownership: Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized radio station (including AM, FM, and non-fill-in FM translator stations, commercial or noncommercial) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.		<input type="checkbox"/> Yes <input type="checkbox"/> No
3. State-wide Network: Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.		<input type="checkbox"/> Yes <input type="checkbox"/> No
4. Technical Parameters: Applicant certifies that the numbers in the boxes below accurately reflect the new (increased) area and population that its proposal would serve with a 60 dBu signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude the station's existing service area). (Points, if any, will be determined by FCC) New (increased) area served in square kilometers (excluding areas of water): Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:		<input type="checkbox"/> Yes <input type="checkbox"/> No
File Breakers		
5. Existing Authorizations. a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of relevant broadcast stations. FM translator applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial and FM translator stations other than fill-in stations. (number of attributable commercial and non-commercial licenses and construction permits) b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of FM translators.		
6. Pending Applications. a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, pending applications for new or major changes to the following number of relevant broadcast stations, AM and FM, commercial and non-commercial and FM translator stations other than fill-in stations. (number of attributable commercial and non-commercial applications)		

b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date of filing, existing authorizations for the following number of FM translators.

Section VI -- Certification

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)	
Typed or Printed Name of Person Signing PETER BAIGENT	Typed or Printed Title of Person Signing VP FOR STUDENT AFFAIRS
Signature 	Date 12/23/2016

Exhibits

Exhibit 1

Description: PROPOSED AMENDMENT

AMEND C.P. TO CHANGE SITE. COORDINATES WILL CHANGE.

Attachment 1

Exhibit 2

Description: EXPLANATION OF OTHER

APPLICANT ISA STATE UNIVERSITY.

Attachment 2

Exhibit 10

Description: FILL-IN EXHIBIT

THE TRANSLATOR WILL BE A FILL-IN FOR WUSB, STONY BROOK, NEW YORK. PLEASE SEE THE ATTACHED MAP COMPARING THE PROPOSED 60 DBU WITH PRIMARY STATION WUSB.

Attachment 10

Description	
Fillin Exhibit	

Exhibit 12

Description: INTERFERENCE

PLEASE SEE EXHIBIT #13

Attachment 12

Exhibit 13**Description: COMPLETE ALLOCATIONS STUDY**

THE ATTACHED STUDY SHOWS THAT THE INSTANT PROPOSAL WILL NOT CAUSE PROHIBITED CONTOUR OVERLAP TO ANY STATION, C.P., APPLICATION OR ALLOCATION, WITH THE EXCEPTION OF 3RD ADJACENT WEBE. THIS STATION IS PROTECTED USING U/D. DOCUMENTATION OF NO INTERFERENCE TO WEBE IS FOUND HEREIN.

THE DISTANCE BETWEEN THE PROPOSED SITE AND THE CURRENT SITE ON THE ORIGINAL CONSTRUCTION PERMIT IS 1.66 KILOMETERS. THE 60 DBU CONTOURS OF THE STATIONS CROSS EACH OTHER.

Attachment 13

Description
Complete Allocations Study

Exhibit 17**Description: RF HAZARD ANALYSIS**

THE 0.006 KW ERP WILL BE MOUNTED ATOP THE CHEMISTRY BUILDING ON AN EXISTING 42 FOOT MAST ON THE STATE UNIVERSITY OF NEW YORK, STONY BROOK CAMPUS. THE ANTENNA WILL MOUNTED 12.2 METERS ABOVE THE ROOF. AT HEAD HEIGHT THE OST 65 FORMULA FOR WORST CASE INDICATES THAT THE POWER DENSITY WILL BE 3.85 MICROWATTS PER SQUARE CENTIMETER. THIS IS 0.3853 PERCENT OF THE MAXIMUM FOR A CONTROLLED AREA.

Attachment 17