



# (REFERENCE COPY - Not for submission)

## License To Cover for FM Application

File Number: **BLED-20160719ABF** | Submit Date: **07/19/2016** | Lead Call Sign: **WKNC-FM** | Facility ID: **49160** |

FRN: **0008740995**

Service: **Full Power FM** | Purpose: **License To Cover** | Status: **Granted** | Status Date: **07/26/2016** | Filing Status: **Active**

### General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	

### Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule (s)?	
	Total number of rule sections involved in this waiver request:	

### Applicant Information

#### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>NORTH CAROLINA STATE UNIVERSITY</b> <b>Applicant</b> Doing Business As: NORTH CAROLINA STATE UNIVERSITY	343 WITHERSPOON STUDENT CENTER CAMPUS BOX 8607 RALEIGH, NC 27695 United States	+1 (919) 513-1918	JAMIE_GILBERT@NCSU.EDU	OTH

### Contact Representatives (2)

Contact Name	Address	Phone	Email	Contact Type
<b>LOUIS R DUTREIL JR</b> <i>TECHNICAL CONSULTANT</i>	DUTREIL LUNDIN & RACKLEY INC 201 FLETCHER AVE SARASOTA, FL 34237-6019 United States	+1 (941) 329-6004	BOBJR@DLR.COM	Technical Representative
<b>JAMIE LYNN GILBERT</b> WKNC-FM	United States	+1 (919) 513-1918	JAMIE_GILBERT@NCSU.EDU	Legal Representative

### Legal Certifications

Section	Question	Response
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<b>Character Issues</b>	<p>Applicant certifies that neither the applicant nor any party to the application has or had any interest in, or connection with:</p> <p>(a) any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or</p> <p>(b) any pending broadcast application in which character issues have been raised.</p>	Yes
<b>Adverse Findings</b>	Applicant certifies that, with respect to the applicant and any party to the application, 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 laws related to any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.	Yes
<b>Program Service Certification</b>	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.	
<b>Local Public Notice</b>	Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.	
<b>Operational Compliance</b>	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).	
	Applicant certifies that the FM translator's (a) 1mV/m coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 1mV/m coverage contour is contained within the greater of either: (i) the 2 mV/m daytime contour of the commercial AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the commercial AM primary station's transmitter site.	
<b>Support Compliance</b>	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).	
<b>Rebroadcast Certification</b>	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.	
<b>Financial</b>	The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.	
<b>Fair Distribution of Service Pursuant to 47 U.S.C. Section 307(b)</b>	Applicant certifies that the proposed station will provide a first rural (reception) service.	

	<p>Applicant certifies that:</p> <p>(a) it is a Tribal Applicant, as defined in 47 C.F.R. Section 73.7000;</p> <p>(b) the facilities proposed in this Application will provide Tribal Coverage, as defined in 47 C.F.R. Section 73.7000, of Tribal Lands occupied by the applicant Tribe(s);</p> <p>(c) the proposed community of license is located on Tribal Lands, as defined in 47 C.F.R. Section 73.7000; and</p> <p>(d) the proposed facility would be the first local Tribal-owned noncommercial educational transmission service at the proposed community of license</p>	
	<p>Applicant certifies that the proposed station will provide a first noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people.</p>	
	<p>Applicant certifies that the proposed station will provide a second noncommercial educational aural service, or an aggregated first and second noncommercial educational aural service, to (a) at least 10 percent of the people residing within the station's 60 dBu (1 mV/m) service contour and (b) to a minimum of 2,000 people.</p>	
<b>Auction Authorization</b>	<p>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 73.5005(a), 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.</p>	
<b>Tribal Priority – Threshold Qualifications</b>	<p>Is the Applicant applying for an FM allotment set forth in a Public Notice announcing a Tribal Threshold Qualifications window?</p>	
<b>Petition for Rulemaking /Counterproposal to Add New FM Channel to FM Table of Allotments</b>	<p>This application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. Section 73.202) to add a new FM channel allotment. The petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter- proponent will apply to participate in the auction of the channel allotment requested and specified in this application.</p>	

Channel and Facility Information

Section	Question	Response
<b>Program Test Authority</b>	The application is operating pursuant to automatic program test authority	
	The applicant is requesting program test authority	
<b>Proposed Community of License</b>	State	
	City	
	Channel	201
	Frequency	88.1
<b>Facility Type</b>	Facility Type	Noncommercial Educational
<b>Station Class</b>	Station Class	C3

Antenna Location Data

Section	Question	Response
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Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	
	ASR Number	1059839
Coordinates (NAD83)	Latitude	35° 47' 15.5" N+
	Longitude	078° 40' 13.0" W-
	Structure Type	
	Overall Structure Height	71 meters
	Support Structure Height	
	Ground Elevation (AMSL)	
Antenna Data	Height of Radiation Center Above Ground Level	Horizontal:59 meters Vertical:59 meters
	Height of Radiation Center Above Average Terrain	Horizontal:80 meters Vertical:80 meters
	Height of Radiation Center Above Mean Sea Level	Horizontal:184 meters Vertical:184 meters
	Effective Radiated Power	Horizontal:25 kW Vertical: 25 kW
	Transmitter Power Output	10.5 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional
Transmitting Antenna	Manufacturer:	ERI
	Model	MP-4E-DA-HW, 4 sections, 0.5 wavelength spaced
	Antenna Number of Sections:	4
	Antenna Spacing Between Sections:	0.5

Directional Antenna Relative Field Value

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1.0	90	1.0	180	0.346	270	0.691
10	1.0	100	1.0	190	0.346	280	0.87
20	1.0	110	1.0	200	0.346	290	1.0
30	1.0	120	1.0	210	0.346	300	1.0
40	1.0	130	0.866	220	0.346	310	1.0
50	1.0	140	0.688	230	0.346	320	1.0
60	1.0	150	0.547	240	0.346	330	1.0
70	1.0	160	0.435	250	0.436	340	1.0
80	1.0	170	0.346	260	0.549	350	1.0

Additional Azimuths

Degree	Value
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Technical  
Certifications

Section	Question	Response
Transmitter Power Output	Does the operating transmitter power output produce the authorized effective radiated power?	
Constructed Facility	The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 73.1690?	Yes
Special Operating Conditions	Was the facility constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit?	Yes
Environmental	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306)	

Modification of  
License  
Certifications

Section	Question	Response
Change in effective radiated power, transmitter output power, replacing a directional or non-directional antenna, deleting contour protection status, or correcting coordinates	Is this application being filed to authorize a change in Effective Radiated Power and/or a change in transmitter output power, and/or replacing a directional or non-directional antenna and/or deleting contour protection status and/or correcting coordinates, as authorized by 47 CFR Sections 73.1690(c)(1) through (c)(11)?	
Using a formerly licensed main facility as an auxiliary facility.	Is this application being filed pursuant to 47 CFR Section 73.1675(c)(1) to request authorization to use a formerly licensed main facility as an auxiliary facility and/or change the ERP of the proposed auxiliary facility?	
Change the license status	Is this application being filed to authorize a change in license status from commercial to non-commercial or from noncommercial to commercial, pursuant to 47 CFR Section 73.1690(c)(9)?	
Change in hours of operation	Is this application being filed to authorize a change in hours of operation?	
Replacement of Antenna	Is this application being filed to authorize the replacement of the licensed nondirectional antenna with another nondirectional antenna within 2 meters above or 4 meters below the licensed antenna center of radiation? See 47 CFR Section 73.875(c)(1)?	
Replacement of transmission line	Is this application being filed to authorize a replacement of the transmission line that resulted in a change in licensed transmitter power output, but not the effective radiated power? See 47 CFR Section 73.875(c)(2)?	

Certification

Section	Question	Response
General Certification Statements	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 authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	

	<p>The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification § 1.2002(c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.</p>	
Authorized Party to Sign	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND /OR FORFEITURE (U.S. Code, Title 47, §503).</p>	
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<b>LISA ZAPATA</b>

Attachments

File Name	Uploaded By	Attachment Type	Description	Upload Status
<u>1733283_1406831.txt</u>	Applicant	All Purpose	SPECIAL OPERATING CONDITIONS OR RESTRICTIONS:	Done with Virus Scan and/or Conversion
<u>1733283_24325163.pdf</u>	Applicant	All Purpose	ANTENNA PROOF-OF-PERFORMANCE REPORT	Done with Virus Scan and/or Conversion
<u>1733283_24325167.pdf</u>	Applicant	All Purpose	CERTIFICATION OF SURVEYOR	Done with Virus Scan and/or Conversion
<u>1733283_24325168.pdf</u>	Applicant	All Purpose	CERTIFICATION OF ENGINEER	Done with Virus Scan and/or Conversion
<u>1733283_24325172.pdf</u>	Applicant	All Purpose	PREDICTED 60 DBU COVERAGE CONTOUR BASED ON MEASURED PATTERN DATA	Done with Virus Scan and/or Conversion