



(REFERENCE COPY - Not for submission)

Amendment to a LPTV Translator Experimental STA Application

File Number: **0000198204** | Submit Date: **09/06/2022** | Call Sign: **W19DB-D** | Facility ID: **168592** | FRN: **0001910066**
State: **North Carolina** | City: **FRANKLIN**
Service: **LPT** | Purpose: **Experimental STA Amendment** | Status: **Granted** | Status Date: **09/09/2022** | Expiration Date:
12/30/2022 | Filing Status: **Active**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	Yes
	Indicate reason for fee exemption:	The licensee is a government entity operating a non-commercial educational station.
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
University of North Carolina Doing Business As: University of North Carolina	PO Box 14900 Research Triangle Park, NC 27709 United States	+1 (919) 549- 7000	fcc_notice@pbsnc. org	Government Entity

**Contact
Representatives
(4)**

Contact Name	Address	Phone	Email	Contact Type
Patrick Cross Brooks, Pierce et al.	150 Fayetteville Street Suite 1700 Raleigh, NC 27601 United States	+1 (919) 839- 0300	pcross@brookspierce. com	Legal Representative
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Donald W Smith University of North Carolina	Donald Smith PO Box 14900 Research Triangle Park, NC 27709 United States	+1 (919) 549- 7025	dsmith@pbsnc.org	Technical Representative
Marcus W Trathen Brooks, Pierce et al.	Marcus Trathen 150 Fayetteville Street Suite 1700 Raleigh, NC 27601 United States	+1 (919) 839- 0300	mtrathen@brookspierce. com	Legal Representative

**Channel and
Facility
Information**

Section	Question	Response
Facility ID	168592	
State	North Carolina	
City	FRANKLIN	
LPT Channel	19	

**Antenna Location
Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	35° 10' 23.3" N+
	Longitude	083° 34' 51.5" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	35 meters
	Support Structure Height	35 meters
	Ground Elevation (AMSL)	1655 meters
Antenna Data	Height of Radiation Center Above Ground Level	33 meters
	Height of Radiation Center Above Mean Sea Level	1688 meters
	Effective Radiated Power	5.5 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1010034
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	AL8W-19-E
	Rotation	0 degrees
	Electrical Beam Tilt	1.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
Elevation Radiation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1.000	90	0.891	180	0.316	270	0.891
10	0.995	100	0.830	190	0.306	280	0.936
20	0.994	110	0.747	200	0.286	290	0.964
30	0.994	120	0.640	210	0.308	300	0.982
40	0.995	130	0.519	220	0.395	310	0.991
50	0.991	140	0.395	230	0.519	320	0.995
60	0.982	150	0.308	240	0.640	330	0.994
70	0.964	160	0.286	250	0.747	340	0.994
80	0.936	170	0.306	260	0.830	350	0.995

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
<p>General Certification Statements</p>	<p>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>	
	<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>	
<p>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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 certify that this application includes all required and relevant attachments.</p>	<p>Yes</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>	<p>David Crabtree <i>Chief Executive Officer</i></p> <p>09/06/2022</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>PBS NC -- W19DB-D -- ATSC 3.0 Request for Experimental Authority.pdf</u>	Applicant	All Purpose	ATSC 3.0 Request for Experimental Authority
<u>W19DB-D Experimental STA Request - Additional Information Exhibit 4872-8...pdf</u>	Applicant	Amendment	Additional Information Exhibit