



(REFERENCE COPY - Not for submission)

Digital Replacement Translator Engineering STA Application

File Number: **0000092289** | Submit Date: **12/02/2019** | Call Sign: **WTVI** | Facility ID: **10645** | FRN: **0001957331** | State: **North Carolina** | City: **CHARLOTTE**
Service: **DRT** | Purpose: **Engineering STA** | Status: **Pending** | Status Date: **12/02/2019** | 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:	Non commercial public licensee.
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
CENTRAL PIEDMONT COMMUNITY COLLEGE Doing Business As: CENTRAL PIEDMONT COMMUNITY COLLEGE	AMY BURKETT PO BOX 35009 CHARLOTTE, NC 28235 United States	+1 (704) 330-2722	amy. burkett@cpcc. edu	Government Entity

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

**Contact
Representatives
(2)**

Contact Name	Address	Phone	Email	Contact Type
Gregory Best , P.E. . <i>Technical Representative</i> Greg Best Consulting, Inc.	Greg Best 16100 Outlook Avenue Stillwell, KS 66085 United States	+1 (816) 792- 2913	gbconsulting54@gmail. com	Technical Representative
LAWRENCE M. MILLER <i>Attorney</i> Garvey Schubert Barer	1000 Potomac Street, NW Suite 200 Washington, DC 20007 United States	+1 (202) 298- 2534	lmiller@gsblaw.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	10645
	State	North Carolina
	City	CHARLOTTE
	DRT Channel	28
	Designated Market Area	CHARLOTTE

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1270703
Coordinates (NAD83)	Latitude	35° 39' 27.4" N+
	Longitude	081° 24' 24.3" W-
	Structure Type	NNTANN-Antenna tower
	Overall Structure Height	54.8 meters
	Support Structure Height	54.8 meters
	Ground Elevation (AMSL)	531.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	48 meters
	Height of Radiation Center Above Mean Sea Level	579.0 meters
	Effective Radiated Power	2 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006025
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	RA5-400B
	Rotation	0 degrees
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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	.592	90	.06	180	.032	270	.05
10	.801	100	.048	190	.029	280	.041
20	.945	110	.04	200	.059	290	.024
30	1.0	120	.015	210	.07	300	.015
40	.945	130	.024	220	.059	310	.04
50	.801	140	.041	230	.029	320	.048
60	.592	150	.05	240	.032	330	.06
70	.364	160	.06	250	.057	340	.173
80	.173	170	.057	260	.06	350	.364

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>Amy Burkett <i>General Manager</i></p> <p>12/02/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WTVI-LD STA Request Letter.doc</u>	Applicant	All Purpose	STA proposal, description of facilities, and engineering exhibits demonstrating compliance with FCC rules.
<u>WTVI-LD tvixstudy.txt</u>	Applicant	All Purpose	Interference analysis results of TV Study for proposed facility. See Request letter document for reference to this study.