



(REFERENCE COPY - Not for submission)

DTV Experimental STA Application

File Number: **0000010973** | Submit Date: **06/02/2016** | Facility ID: **703425** | FRN: **0001961713** | State: **North Carolina**
 City: **Raleigh**
 Service: **DTV** | Purpose: **Experimental STA** | Status: **Superseded** | Status Date: **06/13/2016** | Filing Status: **InActive**

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?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Experimental STA	MGT	\$190.00
	Total	\$190.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Capitol Broadcasting Company, Inc.	Peter Sockett 2619 Western Blvd Raleigh, NC 27606 United States	+1 (919) 821- 8573	psockett@wral. com	Corporation

**Contact
Representatives
(2)**

Contact Name	Address	Phone	Email	Contact Type
William Meintel <i>Senior Partner</i> Meintel, Sgrignoli & Wallace	William Meintel PO Box 907 Warrenton, VA 20188- 0907 United States	+1 (540) 428- 2308	william.meintel@mswdtv. com	Technical Representative
David A O'Connor <i>Attorney</i> Wilkinson Barker Knauer, LLP	David A. O'Connor 1800 M Street, NW Suite 800N Washington, DC 20036 United States	+1 (202) 783- 4141	doconnor@wbklaw.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	703425	
State	North Carolina	
City	Raleigh	
DTV Channel	39	
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1006703
Coordinates (NAD83)	Latitude	35° 40' 35.1" N+
	Longitude	078° 32' 07.2" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	609.5 meters
	Support Structure Height	569.7 meters
	Ground Elevation (AMSL)	98.7 meters
Antenna Data	Height of Radiation Center Above Ground Level	530.0 meters
	Height of Radiation Center Above Average Terrain	548.0 meters
	Height of Radiation Center Above Mean Sea Level	628.7 meters
	Effective Radiated Power	50.0 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1000931
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ETU-2U7-ESC5-39
	Rotation	312.5 degrees
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation 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	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1.000	90	0.050	180	0.100	270	0.050
10	0.960	100	0.070	190	0.040	280	0.080
20	0.840	110	0.090	200	0.010	290	0.130
30	0.690	120	0.110	210	0.030	300	0.220
40	0.520	130	0.100	220	0.070	310	0.340
50	0.340	140	0.070	230	0.100	320	0.520
60	0.220	150	0.030	240	0.110	330	0.690
70	0.130	160	0.010	250	0.090	340	0.840
80	0.080	170	0.040	260	0.070	350	0.960

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>James F Goodmon <i>President and CEO</i></p> <p>06/02/2016</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>CBC Experimental - Narrative Statement.pdf</u>	Applicant	General Information	Narrative Statement
<u>Engineering Statement.pdf</u>	Applicant	General Information	Engineering Statement
<u>WRAL-TV ATSC 3.0.pdf</u>	Internal	All Purpose	Authorization Letter