



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000053805 | Submit Date: 05/03/2018 | Call Sign: WBEC-TV | Facility ID: 51349 | FRN: 0005852249 |

State: Florida | City: BOCA RATON

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 05/10/2018 | Expiration Date: |

Filing Status: InActive

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
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
THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA Applicant Doing Business As: THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA	Chuck Griffin C/O BECON 6600 SW NOVA DRIVE FORT LAUDERDALE, FL 33317 United States	+1 (754) 321-1000	chuck. griffin@browardschools. com	Other

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
Evan Carb Carb LAW OFFICES OF EVAN D. CARB, PLLC	1200 New Hampshire Avenue, NW, Suite 60 Washington, DC 20036 United States	+1 (202) 293- 2555	CARBLAW@VERIZON.NET	Legal Representative
SCOTT RITCHIE RITCHIE Cornerstone Wireless	1846 North Williams MESA, AZ 85203 United States	+1 (480) 626- 2613	SCOTT@CORNERSTONEWIRELESS. COM	Technical Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	51349
	State	Florida
	City	BOCA RATON
	DTV Channel	25
	Designated Market Area	MIAMI-FT. LAUDERDALE
Facility Type	Facility Type	Noncommercial Educational
	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	1224225
Coordinates (NAD83)	Latitude	25° 59' 10.0" N+
	Longitude	080° 11' 36.3" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	310.6 meters
	Support Structure Height	287.4 meters
	Ground Elevation (AMSL)	3.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	242.6 meters
	Height of Radiation Center Above Average Terrain	243.6 meters
	Height of Radiation Center Above Mean Sea Level	246 meters
	Effective Radiated Power	415 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1003468
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-16DSB-J
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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	.993	90	.329	180	.722	270	.611
10	.995	100	.392	190	.855	280	.566
20	.949	110	.416	200	.949	290	.552
30	.855	120	.392	210	.995	300	.566
40	.722	130	.329	220	.993	310	.611
50	.563	140	.266	230	.948	320	.684
60	.402	150	.282	240	.870	330	.776
70	.282	160	.402	250	.776	340	.870
80	.266	170	.563	260	.684	350	.948

Additional Azimuths

Degree	V _A
76	.258
5	1
215	1
144	.258

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.).	
	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.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID 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. 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).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Robert W Runcie W Runcie <i>Superintendent of Schools</i> 05/03/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
C-71075-1 WBEC AUX EZ Prop.pdf	Applicant	All Purpose	Dielectric Antenna Technical Data
Environmental Impact Study STA.pdf	Applicant	All Purpose	WBEC-TV Proposed STA Environmental Impact Study
Public Interest Statement.pdf	Applicant	General Information	WBEC-TV STA Request Public Interest Statement
WBEC Main Licensed Signal Pattern.pdf	Applicant	General Information	WBEC-TV Licensed Main Signal Pattern
WBEC STA Signal Pattern.pdf	Applicant	General Information	WBEC-TV Proposed STA Signal Pattern