



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000107220 | Submit Date: 03/05/2020 | Call Sign: WJBF | Facility ID: 27140 | FRN: 0009961889 | State: Georgia | City: AUGUSTA

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 03/09/2020 | Expiration Date:

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?	Yes
	Indicate reason for fee exemption:	Section 1.1116(a)/Incentive Auction Filing Requirement
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
Nexstar Broadcasting, Inc. Applicant Doing Business As: Nexstar Broadcasting, Inc.	Elizabeth Ryder 545 E. JOHN CARPENTER FREEWAY SUITE 700 IRVING, TX 75062 United States	+1 (972) 373- 8800	eryder@nexstar. tv	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
Jr William T. Godfrey T. Godfrey , Jr . Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607-2055 United States	+1 (352) 332-3157	bill@kesslerandgehman.com	Technical Representative
Elizabeth Ryder Ryder Nexstar Broadcasting, Inc.	Elizabeth Ryder 545 E. John Carpenter Freeway, Suite 700 Irving, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar.tv	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	27140
	State	Georgia
	City	AUGUSTA
	DTV Channel	28
	Designated Market Area	Augusta-Aiken
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	1058894
Coordinates (NAD83)	Latitude	33° 24' 20.7" N+
	Longitude	081° 50' 00.5" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	475.6 meters
	Support Structure Height	435.8 meters
	Ground Elevation (AMSL)	115.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	304.8 meters
	Height of Radiation Center Above Average Terrain	341.3 meters
	Height of Radiation Center Above Mean Sea Level	420.0 meters
	Effective Radiated Power	945 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006514
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-16WB-R C160
	Rotation	345 degrees
	Electrical Beam Tilt	0.55
	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	0.774	90	0.888	180	0.645	270	0.888
10	0.791	100	0.838	190	0.600	280	0.932
20	0.836	110	0.768	200	0.485	290	0.972
30	0.898	120	0.662	210	0.375	300	0.997
40	0.957	130	0.521	220	0.389	310	0.993
50	0.993	140	0.392	230	0.519	320	0.956
60	0.998	150	0.377	240	0.661	330	0.897
70	0.973	160	0.486	250	0.768	340	0.835
80	0.932	170	0.600	260	0.838	350	0.790

Additional Azimuths

Degree	V <sub>A</sub>
55	1.000
305	0.999
214	0.361
145	0.364

## 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	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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.	<b>Elizabeth Ryder Ryder</b> <i>General Counsel</i>  03/05/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">Purpose of WJBF-D28 STA.pdf</a>	Applicant	General Information	Purpose of Engineering STA
<a href="#">WFBF C-71334 Ch 28 Patterns.pdf</a>	Applicant	General Information	Dielectric Interim Antenna Electrical Data
<a href="#">WJBF-D28 CP (File No. 0000028403).pdf</a>	Applicant	General Information	Post-Auction Construction Permit
<a href="#">WJBF.pdf</a>	Internal	All Purpose	