



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000087075 | Submit Date: 10/22/2019 | Call Sign: WDTN | Facility ID: 65690 | FRN: 0009961889 | State: Ohio | City: DAYTON

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 10/30/2019 | 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) 973- 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 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) 973-8800	eryder@nexstar.tv	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	65690
	State	Ohio
	City	DAYTON
	DTV Channel	31
	Designated Market Area	Dayton
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1016116
Coordinates (NAD83)	Latitude	39° 43' 07.0" N+
	Longitude	084° 15' 22.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	307.9 meters
	Support Structure Height	260.6 meters
	Ground Elevation (AMSL)	291.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	250 meters
	Height of Radiation Center Above Average Terrain	275.2 meters
	Height of Radiation Center Above Mean Sea Level	541.0 meters
	Effective Radiated Power	1000 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005808
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-24WB-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	0.50
	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	0.972	90	0.976	180	0.439	270	0.438
10	0.920	100	1.000	190	0.340	280	0.590
20	0.857	110	0.988	200	0.394	290	0.716
30	0.803	120	0.952	210	0.522	300	0.800
40	0.775	130	0.905	220	0.609	310	0.856
50	0.775	140	0.856	230	0.608	320	0.902
60	0.804	150	0.800	240	0.520	330	0.948
70	0.859	160	0.715	250	0.391	340	0.984
80	0.923	170	0.590	260	0.338	350	0.995

Additional Azimuths

Degree	V _A
258	0.336
192	0.338

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.	Elizabeth Ryder Ryder <i>General Counsel</i> 10/22/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
Purpose of WDTN-D31 STA.pdf	Applicant	General Information	Purpose of Engineering STA
WDTN Aux C-71262 WDTN Aux Ez Prop. pdf	Applicant	General Information	Dielectric Antenna Electrical & Mechanical Data