



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000094602 | Submit Date: 01/02/2020 | Call Sign: WCIA | Facility ID: 42124 | FRN: 0009961889 | State: Illinois | City: CHAMPAIGN

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 01/15/2020 | 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 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	42124
	State	Illinois
	City	CHAMPAIGN
	DTV Channel	34
	Designated Market Area	Champaign&Sprngfld-Decatur
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	1016057
Coordinates (NAD83)	Latitude	40° 06' 21.0" N+
	Longitude	088° 27' 00.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	300.2 meters
	Support Structure Height	269.6 meters
	Ground Elevation (AMSL)	220.1 meters
Antenna Data	Height of Radiation Center Above Ground Level	213.4 meters
	Height of Radiation Center Above Average Terrain	216.8 meters
	Height of Radiation Center Above Mean Sea Level	433.5 meters
	Effective Radiated Power	707 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006170
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-16WB-R C160
	Rotation	0 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	0.874	90	0.779	180	0.874	270	0.599
10	0.922	100	0.791	190	0.824	280	0.551
20	0.966	110	0.829	200	0.759	290	0.429
30	0.992	120	0.888	210	0.659	300	0.320
40	0.986	130	0.950	220	0.517	310	0.364
50	0.945	140	0.991	230	0.367	320	0.515
60	0.884	150	0.998	240	0.322	330	0.660
70	0.826	160	0.971	250	0.429	340	0.761
80	0.790	170	0.924	260	0.551	350	0.825

Additional Azimuths

Degree	V _A
32	0.994
302	0.314
237	0.317
146	1.000

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> 01/02/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
Purpose of WCIA-D34 STA.pdf	Applicant	General Information	Purpose of Engineering STA
WCIA-DT CH 34 TFU-16-C160-R.pdf	Applicant	General Information	Dielectric Interim Antenna Electrical & Mechanical Data