



(REFERENCE COPY - Not for submission)

Digital Class A Engineering STA Application

File Number: **0000116619** | Submit Date: **06/26/2020** | Call Sign: **KTMJ-CD** | Facility ID: **43649** | FRN: **0009961889** |
 State: **Kansas** | City: **TOPEKA**
 Service: **DCA** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **07/02/2020** | Expiration Date: **01/01/2021** |
 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.	Elizabeth Ryder 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373- 8800	eryder@nexstar. tv	Corporation

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
William T Godfrey , Jr . <i>Consulting Engineers</i> 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 <i>General Counsel</i> 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	43649
	State	Kansas
	City	TOPEKA
	DCA Channel	20
	Designated Market Area	NA

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1031887
Coordinates (NAD83)	Latitude	39° 01' 34.0" N+
	Longitude	095° 55' 02.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	438.7 meters
	Support Structure Height	421.0 meters
	Ground Elevation (AMSL)	338.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	215 meters
	Height of Radiation Center Above Mean Sea Level	553.3 meters
	Effective Radiated Power	8 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006980
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-8WB-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	1.05
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
Elevation Radiation 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	
	Out-of-Channel Emission Mask:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.878	90	0.896	180	0.706	270	0.895
10	0.890	100	0.851	190	0.666	280	0.928
20	0.921	110	0.781	200	0.566	290	0.960
30	0.960	120	0.675	210	0.463	300	0.987
40	0.990	130	0.546	220	0.452	310	0.999
50	1.000	140	0.448	230	0.549	320	0.990
60	0.989	150	0.460	240	0.677	330	0.961
70	0.962	160	0.564	250	0.782	340	0.922
80	0.930	170	0.665	260	0.851	350	0.890

Additional Azimuths

Degree	V _A
216	0.441
144	0.438

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>Elizabeth Ryder <i>General Counsel</i></p> <p>06/26/2020</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>CH 20 TFU-8WB-R C160.pdf</u>	Applicant	General Information	Dielectric Antenna Electrical & Mechanical Data
<u>KTMJ-CD CH20 Post-Auction CP (0000072852).pdf</u>	Applicant	General Information	Construction Permit
<u>Purpose of KTMJ-CD CH20 STA.pdf</u>	Applicant	General Information	Purpose of Engineering STA