Approved by OMB (Office of Management and Budget) 3060-0386
July 2002

Federal Communications Commission

(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000067471** | Submit Date: **01/29/2019** | Call Sign: **K49FX-D** | Facility ID: **48563** | FRN: **0009961889** | State: **New Mexico** | City: **ALAMOGORDO**

Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/30/2019** | Expiration Date:

Filing Status: **InActive**

General Information

Section	Question	Response

Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGL	$200.00
	Total	**$200.00**

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
Greg Best Best Greg Best Consulting Inc.	16100 Outlook Ave. Stilwell, KS 66085 United States	+1 (816) 792-2913	gbconsulting54@gmail.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
Facility ID	48563	
State	New Mexico	
City	ALAMOGORDO	
LPD Channel	32	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	32° 49' 47.3" N+
	Longitude	105° 53' 13.9" W-
	Structure Type	NNTANN-Antenna tower
	Overall Structure Height	24 meters
	Support Structure Height	24 meters
	Ground Elevation (AMSL)	2374 meters
Antenna Data	Height of Radiation Center Above Ground Level	21 meters
	Height of Radiation Center Above Mean Sea Level	2395 meters
	Effective Radiated Power	0.42 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	72080
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	PR-450-2 COMPOSITE
	Rotation	280 degrees
	Electrical Beam Tilt	Not Applicable
	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:	Stringent

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1	**90**	0.11	**180**	0.085	**270**	0.122
10	0.892	**100**	0.115	**190**	0.068	**280**	0.124
20	0.789	**110**	0.122	**200**	0.06	**290**	0.122
30	0.892	**120**	0.124	**210**	0.068	**300**	0.115
40	1	**130**	0.122	**220**	0.085	**310**	0.11
50	0.796	**140**	0.122	**230**	0.092	**320**	0.138
60	0.45	**150**	0.11	**240**	0.099	**330**	0.206
70	0.206	**160**	0.099	**250**	0.11	**340**	0.45
80	0.138	**170**	0.092	**260**	0.122	**350**	0.796

Additional Azimuths

Degree	V_A

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** *General Counsel* 01/29/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
K49FX CH 32 RFR Exhibit.doc	Applicant	All Purpose	Confirmation that no environmental assessment is needed as result of RF exposure from the proposed facility.
K49FX STA Request Letter.doc	Applicant	All Purpose	STA letter describing circumstances and support for the STA request. Also described is the proposed transmission facility.
T-Mobile letter for K49FX-D.PDF	Applicant	All Purpose	T-Mobile letter requiring K49FX to cease operations on channel 49.
tvixstudy.txt	Applicant	All Purpose	Interference analysis confirming that no interference is caused or received.