



(REFERENCE COPY - Not for submission)

# LPTV Engineering STA Application

File Number: **0000068527** | Submit Date: **03/15/2019** | Call Sign: **K22JQ-D** | Facility ID: **181158** | FRN: **0026455469**  
 State: **Oklahoma** | City: **ARDMORE**  
 Service: **LPD** | Purpose: **Engineering STA** | Status: **Pending** | Status Date: **03/15/2019** | Filing Status: **Active**

**General Information**

Section	Question	Response
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**Fees, Waivers, and Exemptions**

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<b>Waivers</b>	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
	<b>Total</b>	<b>\$200.00</b>

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>EDGE SPECTRUM, INC.</b> Doing Business As: EDGE SPECTRUM, INC.	7829 CENTER BLVD. SE NO. 190 SNOQUALMIE, WA 98065 United States	+1 (206) 963- 2198	VF@EDGESPECTRUM. COM	Corporation

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**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  
(3)**

Contact Name	Address	Phone	Email	Contact Type
<b>Jim McDonald</b> <i>ENGINEERING CONSULTANT</i> B. W. St. Clair	117 East 11th St. Loveland, CO 80537 United States	+1 (970) 593- 8443	jim@windriverbroadcast. com	Technical Representative
<b>Caleb Weiss</b> <i>Vice President Network Operations</i> Edge Spectrum, Inc.	PO Box 54025 Hurst, TX 76054 United States	+1 (972) 253- 2256	cweiss@edgespectrum. com	Legal Representative
<b>Randy Weiss</b> EICB-TV EAST, LLC	PO BOX 54025 HURST, TX 76054 United States	+1 (972) 291- 3750	RANDY@CROSSTALK. ORG	Legal Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	181158	
State	Oklahoma	
City	ARDMORE	
LPD Channel	22	

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1011273
<b>Coordinates (NAD83)</b>	Latitude	34° 01' 58.0" N+
	Longitude	096° 48' 01.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	516.3 meters
	Support Structure Height	487.6 meters
	Ground Elevation (AMSL)	271.2 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	250 meters
	Height of Radiation Center Above Mean Sea Level	521.2 meters
	Effective Radiated Power	11 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004744
<b>Antenna Manufacturer and Model</b>	Manufacturer:	KAT
	Model	75010325 Array
	Rotation	160 degrees
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
<b>Elevation Radiation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	Uploaded file for elevation antenna (or radiation) pattern data	75010325 VP.xml
	Out-of-Channel Emission Mask:	Full Service

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)
0	1	90	.161	180	.838	270	.161
10	.953	100	.228	190	.685	280	.135
20	.838	110	.443	200	.524	290	.163
30	.685	120	.610	210	.376	300	.44
40	.524	130	.737	220	.255	310	.61
50	.376	140	.834	230	.163	320	.737
60	.255	150	.92	240	.135	330	.834
70	.163	160	1	250	.161	340	.92
80	.135	170	.953	260	.228	350	.972

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></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><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></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><b>Vernon Fotheringham</b> <i>CEO</i></p> <p>03/15/2019</p>

**Attachments**

File Name	Uploaded By	Attachment Type	Description
<a href="#">K22JQ_STA_Statement.pdf</a>	Applicant	All Purpose	K22JQ STA Statement
<a href="#">75010325_VP.xml</a>	Applicant	Elevation Pattern	