



(REFERENCE COPY - Not for submission)

Amendment to a LPTV Engineering STA Application

File Number: **0000058456** | Submit Date: **09/17/2018** | Call Sign: **K43JE-D** | Facility ID: **130209** | FRN: **0026455469**
 State: **Minnesota** | City: **LAKE CRYSTAL**
 Service: **LPD** | Purpose: **Engineering STA Amendment** | Status: **Granted** | Status Date: **09/19/2018** | Expiration Date: **09/19/2021** | Filing Status: **Active**

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?	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:	

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
EDGE SPECTRUM, INC. Doing Business As: EDGE SPECTRUM, INC.	Vernon Fotheringham 7829 CENTER BLVD. SE. NO. 190 SNOQUALMIE, WA 98065 United States	+1 (214) 770- 7770	VERNF@V- SATCAST.COM	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
(3)**

Contact Name	Address	Phone	Email	Contact Type
Jim McDonald <i>Engineering Consultant</i> B. W. St. Clair	117 Eat Eleventh St. Loveland, CO 80537 United States	+1 (970) 593- 8443	jim@windriverbroadcast. com	Technical Representative
Randy Weiss <i>President</i> Edge Spectrum, Inc.	PO Box 54025 Hurst, IL 76054- 4025 United States	+1 (972) 291- 3750	randy@crosstalk.org	Legal Representative
Caleb Weiss <i>Vice President Network Operations</i> Edge Spectrum, Inc.	PO Box 54025 Hurst, TX 76054- 4025 United States	+1 (972) 293- 2256	cweiss@edgespectrum. com	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	130209	
State	Minnesota	
City	LAKE CRYSTAL	
LPD Channel	25	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1220367
Coordinates (NAD83)	Latitude	44° 03' 05.4" N+
	Longitude	094° 17' 59.9" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	260.3 meters
	Support Structure Height	259.3 meters
	Ground Elevation (AMSL)	303.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	150 meters
	Height of Radiation Center Above Mean Sea Level	453.3 meters
	Effective Radiated Power	7.5 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	20753
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	4DR-8S
	Rotation	5 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:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1	90	0.03	180	0.11	270	0.07
10	0.98	100	0.03	190	0.1	280	0.115
20	0.917	110	0.02	200	0.065	290	0.21
30	0.813	120	0.02	210	0.03	300	0.35
40	0.68	130	0.02	220	0.02	310	0.51
50	0.53	140	0.03	230	0.02	320	0.68
60	0.35	150	0.04	240	0.03	330	0.81
70	0.14	160	0.07	250	0.04	340	0.915
80	0.06	170	0.105	260	0.055	350	0.98

Additional Azimuths

Degree	V _A
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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>Vernon Fotheringham <i>President</i></p> <p>09/17/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
58456.pdf	Internal	All Purpose	
K43JE-D CH 25 STA Statement Jul2018.pdf	Applicant	General Information	K43JE Ch 25 STA Statement
K43JE-D CH 25 STA Statement Sept2018.pdf	Applicant	Amendment	K43JE STA Statement Sept2018
K43JE-D Licensee.pdf	Applicant	General Information	K43JE-D T-Mobile Letter