



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000043356** | Submit Date: **02/23/2018** | Call Sign: **W33AY-D** | Facility ID: **49183** | FRN: **0026455469**
 State: **Illinois** | City: **SPRINGFIELD**
 Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/07/2018** | Expiration Date: **09/07/2018**
 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:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGL	\$190.00
Total		\$190.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
THE EDGE SPECTRUM, INC. Doing Business As: THE EDGE SPECTRUM, INC.	Patricia R Lane 7829 CENTER BLVD, SE #190 SNOQUALMIE, WA 98065 United States	+1 (206) 963- 2198	VF@EDGESPECTRUM. 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
Byron W. St. Clair <i>Engineering Consultant</i> B. W. St. Clair	2355 Ranch Drive Westminster, CO 80234 United States	+1 (303) 465- 5742	stcl@comcast.net	Technical Representative
Caleb Weiss <i>Vice President Network Operations</i> Edge Spectrum, Inc.	PO Box 54025 Hurst, TX 76054- 4025 United States	+1 (972) 291- 3750	cweiss@edgespectrum. com	Legal Representative
Randy Weiss <i>President</i> Edge Spectrum, Inc.	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	49183	
State	Illinois	
City	SPRINGFIELD	
LPD Channel	33	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1055345
Coordinates (NAD83)	Latitude	39° 46' 51.2" N+
	Longitude	089° 36' 18.2" W-
	Structure Type	NTOWER-Multiple structs
	Overall Structure Height	125.6 meters
	Support Structure Height	120.4 meters
	Ground Elevation (AMSL)	177.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	10 meters
	Height of Radiation Center Above Mean Sea Level	187.4 meters
	Effective Radiated Power	.5 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Off the Shelf
	Do you have an Antenna ID?	Yes
	Antenna ID	20778
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	CL-1469
	Rotation	300 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	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)
0	1	90	0.01	180	0.01	270	0.01
10	0.947	100	0.01	190	0.01	280	0.01
20	0.812	110	0.01	200	0.01	290	0.01
30	0.622	120	0.01	210	0.01	300	0.01
40	0.361	130	0.01	220	0.01	310	0.086
50	0.086	140	0.01	230	0.01	320	0.361
60	0.01	150	0.01	240	0.01	330	0.622
70	0.01	160	0.01	250	0.01	340	0.812
80	0.01	170	0.01	260	0.01	350	0.947

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>CEO</i></p> <p>02/23/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
43356.pdf	Internal	All Purpose	
W33AY STA Statement Feb2018.pdf	Applicant	General Information	W33AY STA Statement Feb2018