



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000048434** | Submit Date: **03/08/2018** | Call Sign: **K51CM-D** | Facility ID: **14112** | FRN: **0004773180**
State: **Minnesota** | City: **INTERNATIONAL FALLS**
Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **04/25/2018** | Expiration Date:
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:	DISPLACEMENT APPLICATION
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
COUNTY OF KOOCHICHING Applicant Doing Business As: COUNTY OF KOOCHICHING	Jenny Herman 715 - 4TH STREET INTERNATIONAL FALLS, MN 56649 United States	+1 (218) 283-1152	jenny.herman@co. koochiching.mn.us	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
(1)**

Contact Name	Address	Phone	Email	Contact Type
LEROY HERVEY HERVEY VOYAGEURS COMTRONICS CORPORATION	LEROY HERVEY PO Box 4 INTERNATIONAL FALLS, MN 56649 United States	+1 (218) 283-9477	VOYCOM@NORTHWINDS. NET	Technical Representative

**Channel and
Facility
Information**

Section	Question	Response
Facility ID	14112	
State	Minnesota	
City	INTERNATIONAL FALLS	
LPD Channel	18	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1023497
Coordinates (NAD83)	Latitude	48° 34' 22.8" N+
	Longitude	093° 19' 21.5" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	95.1 meters
	Support Structure Height	94.2 meters
	Ground Elevation (AMSL)	373.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	90.4 meters
	Height of Radiation Center Above Mean Sea Level	463.8 meters
	Effective Radiated Power	0.442 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	93771
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	4X4K723147
	Rotation	125 degrees
	Electrical Beam Tilt	0
	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:	Simple

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.936	90	0.789	180	0.873	270	0.789
10	1	100	0.649	190	0.754	280	0.635
20	0.881	110	0.62	200	0.578	290	0.749
30	0.535	120	0.737	210	0.578	300	0.872
40	0.259	130	0.855	220	0.791	310	0.65
50	0.65	140	0.791	230	0.855	320	0.259
60	0.872	150	0.578	240	0.737	330	0.535
70	0.749	160	0.578	250	0.62	340	0.881
80	0.635	170	0.754	260	0.649	350	1

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>LEROY HERVEY HERVEY <i>OPERATING ENGINEER</i></p> <p>03/08/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
48434.pdf	Internal	All Purpose	
TV Displacement Attachment.pdf	Applicant	General Information	