



(REFERENCE COPY - Not for submission)

## Amendment to a LPTV Engineering STA Application

File Number: **0000008538** | Submit Date: **04/04/2016** | Call Sign: **KCSO-LD** | Facility ID: **18998** | FRN: **0019509470**  
 State: **California** | City: **SACRAMENTO**  
 Service: **LPD** | Purpose: **Engineering STA Amendment** | Status: **Granted** | Status Date: **04/11/2016** | Expiration Date: **10/11/2016** | Filing Status: **InActive**

### 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?	Yes
	Indicate reason for fee exemption:	This is an Amendment to a previously filed STA application for which a fee has been paid.
<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:	

**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>SERESTAR COMMUNICATIONS CORPORATION</b> Doing Business As: SERESTAR COMMUNICATIONS CORPORATION	Philip C. Wilkinson PO Box 2630 RANCHO SANTA FE, CA 92067 United States	+1 (858) 442-0900	philipcwilkinson@serestar. 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  
(2)**

Contact Name	Address	Phone	Email	Contact Type
<b>PAUL W. Johnson</b> <i>CHIEF ENGINEER</i> Serestar Communications Corporation	Paul W. Johnson 500 MEDIA PLACE SACRAMENTO, CA 95815 United States	+1 (559) 575- 1887	PJOHNSON@SERESTAR. COM	Technical Representative
<b>Gregg P Skall , Esq. .</b> <i>Counsel</i> Womble Carlyle Sandridge & Rice, LLP	Gregg P. Skall 1200 19th Street, N. W Suite 500 Washington, DC 20036 United States	+1 (202) 857- 4441	gskall@wcsr.com	Legal Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	18998	
State	California	
City	SACRAMENTO	
LPD Channel	3	

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1050375
<b>Coordinates (NAD83)</b>	Latitude	38° 07' 09.7" N+
	Longitude	120° 43' 30.9" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	126.5 meters
	Support Structure Height	125.0 meters
	Ground Elevation (AMSL)	834.5 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	114 meters
	Height of Radiation Center Above Mean Sea Level	948.5 meters
	Effective Radiated Power	3 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	106417
<b>Antenna Manufacturer and Model</b>	Manufacturer:	JAM
	Model	JCPD-1/2(2)V
	Rotation	0 degrees
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<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?	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	0.62	90	0.223	180	0.62	270	0.99
10	0.485	100	0.191	190	0.759	280	0.938
20	0.358	110	0.122	200	0.888	290	0.848
30	0.24	120	0.072	210	0.978	300	0.848
40	0.142	130	0.083	220	0.997	310	0.934
50	0.083	140	0.142	230	0.934	320	0.997
60	0.072	150	0.24	240	0.848	330	0.978
70	0.122	160	0.358	250	0.848	340	0.888
80	0.191	170	0.485	260	0.938	350	0.759

**Additional Azimuths**

Degree	V <sub>A</sub>
323	1
217	1

**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>Paul W. Johnson</b>  <i>Chief Engineer</i></p> <p>04/04/2016</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">8538.pdf</a>	Internal	All Purpose	
<a href="#">Attachment in Support of Waiver of Power Limit.pdf</a>	Applicant	Amendment	Attachment in Support Extension for 5kW Waiver of Power Limit.pdf