



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000030101** | Submit Date: **09/22/2017** | Call Sign: **KCSO-LD** | Facility ID: **18998** | FRN: **0019509470**
 State: **California** | City: **SACRAMENTO**
 Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/24/2017** | Expiration Date: **04/24/2018**
 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)?	Yes
	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
SERESTAR COMMUNICATIONS CORPORATION 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

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
LOUIS R DUTREIL , JR . <i>TECHNICAL CONSULTANT</i> DUTREIL LUNDIN & RACKLEY INC	201 FLETCHER AVE SARASOTA, FL 34237 United States	+1 (941) 329- 6004	BOBJR@DLR.COM	TECHNICAL CONSULTANT
PAUL W. Johnson <i>CHIEF ENGINEER</i> Serestar Communications Corporation	Paul W. Johnson 500 MEDIA PLACE SACRAMENTO, CA 95815 United States	+1 (559) 250- 0058	PJOHNSON@SERESTAR. COM	Technical Representative
Gregg P Skall , Esq. . <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
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1012278
Coordinates (NAD83)	Latitude	38° 16' 18.0" N+
	Longitude	121° 30' 22.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	608.7 meters
	Support Structure Height	591.3 meters
	Ground Elevation (AMSL)	0.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	518 meters
	Height of Radiation Center Above Mean Sea Level	518.6 meters
	Effective Radiated Power	3 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	106417
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JCPD-1/2(2)V
	Rotation	180 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	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 _A
323	1
217	1

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>Paul W Johnson <i>Chief Engineer</i></p> <p>09/22/2017</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
30101.pdf	Internal	All Purpose	
Attachment in Support of Requested Waiver.pdf	Applicant	General Information	Attachment in Support of Requested STA
New Attachment in Support of Requested Waiver Extension.pdf	Applicant	Fees, Waivers and Exemptions	Attachment Explaining Waiver Request