



(REFERENCE COPY - Not for submission)

# Amendment to a LPTV Engineering STA Application

File Number: **0000211128** | Submit Date: **03/10/2023** | Call Sign: **WDCN-LD** | Facility ID: **20450** | FRN: **0014255244**  
State: **Virginia** | City: **FAIRFAX**  
Service: **LPD** | Purpose: **Engineering STA Amendment** | Status: **Granted** | Status Date: **05/15/2023** | Expiration Date: **05/31/2023** | Filing Status: **Active**

## 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?	No
	Indicate reason for fee exemption:	
<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**

Applicant	Address	Phone	Email	Applicant Type
Signal Above LLC	1945 Old Gallows Road Suite 650 Tysons, VA 22182 United States	+1 (703) 761-5013	AWF@GG-LAW.COM	Limited Liability Company

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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  
(1)**

Contact Name	Address	Phone	Email	Contact Type
Ari Meltzer , Esq . Wiley Rein LLP	2050 M Street, N.W. Washington, DC 20036 United States	+1 (202) 719-7467	ameltzer@wiley.law	Legal Representative

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**Channel and Facility Information**

Section	Question	Response
Proposed Community of License	Facility ID	20450
	State	Virginia
	City	FAIRFAX
	LPD Channel	6
	Designated Market Area	Washington DC (Hagrstwn)

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1017638
<b>Coordinates (NAD83)</b>	Latitude	38° 52' 28.2" N+
	Longitude	077° 13' 23.6" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	210.0 meters
	Support Structure Height	188.4 meters
	Ground Elevation (AMSL)	110.3 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	169.7 meters
	Height of Radiation Center Above Mean Sea Level	280.0 meters
	Effective Radiated Power	0.7 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1010539
<b>Antenna Manufacturer and Model</b>	Manufacturer:	PSI
	Model	PSILV5CLOG-6 CUSTOM
	Rotation	210 degrees
	Electrical Beam Tilt	0.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Circular
<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:	Full Service

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.97	90	1	180	0.2	270	0.03
10	1	100	1	190	0.075	280	0.03
20	1	110	1	200	0.03	290	0.03
30	1	120	0.97	210	0.03	300	0.075
40	1	130	0.904	220	0.03	310	0.219
50	1	140	0.83	230	0.03	320	0.514
60	1	150	0.72	240	0.03	330	0.727
70	1	160	0.5	250	0.03	340	0.835
80	1	170	0.35	260	0.03	350	0.914

**Additional Azimuths**

Degree	V <sub>A</sub>
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**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>Aubrey Wray Fitch , III .</b>  <i>Member</i></p> <p>03/10/2023</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<u><a href="#">WDCN-LD Fairfax VA. STA Request for Reduced Power (3-10-23 Amendment).pdf</a></u>	Applicant	Amendment	Further Amendment
<u><a href="#">WDCN-LD Fairfax VA. STA Request for Reduced Power and Waiver (20230228).pdf</a></u>	Applicant	Amendment	Amended Request for Reduced Power and Waiver
<u><a href="#">WDCN-LD, Fairfax, VA. STA Request for Reduced Power exhibit.pdf</a></u>	Applicant	General Information	STA Request for Reduced Power
<u><a href="#">WDCN-LD Fairfax VA. STA Update (3-8-23).pdf</a></u>	Applicant	Amendment	Amendment and Update to STA Request
<u><a href="#">WDCN-STA Waiver 5-15-23.pdf</a></u>	Internal	All Purpose	