



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: 0000120412 | Submit Date: 08/14/2020 | Call Sign: WKXT-LD | Facility ID: 67926 | FRN: 0021329800 |

State: Tennessee | City: Knoxville

Service: LPD | Purpose: Engineering STA | Status: Superceded | Status Date: 09/10/2020 | Filing Status: InActive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?	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	\$200.00
Total		\$200.00

Applicant  
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
DIGITAL NETWORKS-SOUTHEAST, LLC Applicant Doing Business As: DIGITAL NETWORKS-SOUTHEAST, LLC	Timothy K Hurley PO Box 11409 Chattanooga, TN 37401 United States	+1 (423) 468-5100	thurley@luken.tv	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  
(2)

Contact Name	Address	Phone	Email	Contact Type
PE Jeremy D Ruck D Ruck , PE . Jeremy Ruck & Associates, Inc.	PO Box 415 Canton, IL 61520 United States	+1 (309) 647- 1200	jeremy@jeremyruck. com	Technical Representative
Aaron P Shainis P Shainis Shainis & Peltzman, Chartered	1850 M ST. NW Suite 240 Washington, DC 20036 United States	+1 (202) 293- 0567	aaron@s-plaw.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	67926	
State	Tennessee	
City	Knoxville	
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	1222895
Coordinates (NAD83)	Latitude	35° 59' 44.4" N+
	Longitude	083° 57' 23.1" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	467.6 meters
	Support Structure Height	426.7 meters
	Ground Elevation (AMSL)	400.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	184.2 meters
	Height of Radiation Center Above Mean Sea Level	585.0 meters
	Effective Radiated Power	2.0 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1007195
Antenna Manufacturer and Model	Manufacturer:	PSI
	Model	PSILP16EC
	Rotation	140 degrees
	Electrical Beam Tilt	1.0
	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:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.930	90	0.920	180	0.260	270	0.920
10	0.930	100	0.840	190	0.260	280	0.980
20	0.940	110	0.740	200	0.260	290	1
30	0.940	120	0.620	210	0.300	300	1
40	0.960	130	0.490	220	0.380	310	0.980
50	0.980	140	0.380	230	0.490	320	0.960
60	1	150	0.300	240	0.620	330	0.940
70	1	160	0.260	250	0.740	340	0.940
80	0.980	170	0.260	260	0.840	350	0.930

Additional Azimuths

Degree	V <sub>A</sub>
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## Certification

Section	Question	Response
General Certification Statements	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.).	
	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.	
Authorized Party to Sign	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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. 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).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	<b>Joel Wertman Wertman</b> COO  08/14/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WKXT-LD STA REQ Technical Exhibit 08142020.pdf</u>	Applicant	General Information	WKXT-LD STA Request Technical Exhibit (08-2020)