



(REFERENCE COPY - Not for submission)

# Amendment to a LPTV Translator Engineering STA Application

File Number: **0000120412** | Submit Date: **09/08/2020** | Call Sign: **WKXT-LD** | Facility ID: **67926** | FRN: **0021329800** |

State: **Tennessee** | City: **Knoxville**

Service: **LPT** | Purpose: **Engineering STA Amendment** | Status: **Granted** | Status Date: **09/28/2020** | Expiration Date: **03/27/2021** | 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)?	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
DIGITAL NETWORKS-SOUTHEAST, LLC 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	Limited Liability Company

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>Jeremy D Ruck , PE .</b> <i>Consulting Engineer</i> Jeremy Ruck & Associates, Inc.	PO Box 415 Canton, IL 61520 United States	+1 (309) 647- 1200	jeremy@jeremyruck. com	Technical Representative
<b>Aaron P Shainis</b> <i>FCC Legal Counsel</i> 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	
LPT 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	30 meters
	Height of Radiation Center Above Mean Sea Level	430.8 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	1007292
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	PR-TV
	Rotation	140 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	1.000	90	0.047	180	0.025	270	0.047
10	0.808	100	0.045	190	0.026	280	0.049
20	0.430	110	0.046	200	0.028	290	0.049
30	0.165	120	0.046	210	0.030	300	0.052
40	0.090	130	0.040	220	0.038	310	0.059
50	0.059	140	0.038	230	0.040	320	0.090
60	0.052	150	0.030	240	0.046	330	0.165
70	0.049	160	0.028	250	0.046	340	0.430
80	0.049	170	0.026	260	0.045	350	0.808

Additional Azimuths

Degree	V <sub>A</sub>
5	0.942
355	0.942

## 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</b> COO  09/08/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">Amendment Placeholder.pdf</a>	Applicant	Amendment	Please see technical exhibit
<a href="#">WKXT-LD STA REQ AMD Technical Exhibit 09082020.pdf</a>	Applicant	General Information	WXKT-LD STA AMD Technical Exhibit (09-08-2020)