



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000105954 | Submit Date: 02/12/2020 | Call Sign: WKEF | Facility ID: 73155 | FRN: 0004970844 | State: Ohio | City: DAYTON

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 02/21/2020 | Expiration Date:

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	MGT	\$200.00
Total		\$200.00

Applicant  
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WKEF LICENSEE L.P. Applicant Doing Business As: WKEF LICENSEE L.P.	Harvey Arnold 10706 Beaver Dam Road Cockeysville, MD 21030 United States	+1 (410) 568- 1500	harnold@sbgvtv. com	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
Esq Paul A. Cicelski A. Cicelski , Esq . Lerman Senter PLLC	2001 L St. NW Suite 400 WASHINGTON, DC 20036 United States	+1 (202) 416- 6756	pcicelski@lermansenter. com	Legal Representative
PE John E. Hidle E. Hidle , PE . Carl T. Jones Corporation	John E. Hidle, PE 7901 Yarnwood Court Springfield, VA 22153 United States	+1 (707) 569- 7704	jhidle@ctjc.com	Technical Representative

Channel and  
Facility  
Information

Section	Question	Response
Proposed Community of License	Facility ID	73155
	State	Ohio
	City	DAYTON
	DTV Channel	34
	Designated Market Area	Dayton
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

Antenna Location  
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1222924
Coordinates (NAD83)	Latitude	39° 43' 28.6" N+
	Longitude	084° 15' 17.6" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	351.7 meters
	Support Structure Height	307.8 meters
	Ground Elevation (AMSL)	272.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	343.0 meters
	Height of Radiation Center Above Average Terrain	351.0 meters
	Height of Radiation Center Above Mean Sea Level	615.8 meters
	Effective Radiated Power	112.5 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1002364
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-24GTH/VP-R 6T140
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation 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	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	.800	90	.692	180	.885	270	.994
10	.881	100	.691	190	.804	280	.995
20	.952	110	.730	200	.733	290	.955
30	.994	120	.800	210	.692	300	.885
40	.995	130	.881	220	.691	310	.804
50	.955	140	.952	230	.730	320	.733
60	.885	150	.994	240	.800	330	.692
70	.804	160	.995	250	.881	340	.691
80	.733	170	.955	260	.952	350	.730

Additional Azimuths

Degree	V <sub>A</sub>
95	.686
35	1.0
275	1.0
215	.686
155	1.0

## 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>Lucy Rutishauser</b> <b>Rutishauser</b> <b>CFO</b>  02/12/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>WKEF_Antenna_Exhibits_-_6-9-2017.pdf</u></a>	Applicant	General Information	WKEF - Antenna exhibits for STA request. 2-12-2020.
<a href="#"><u>WKEF - CH 34 - Rad Haz Compliance Statement - 2-12-2020 .pdf</u></a>	Applicant	General Information	WKEF - Environmental and Radio Frequency Radiation Safety Compliance Showing.
<a href="#"><u>WKEF - Ch 34 - STA Request Technical Document - 2-12-2020 .pdf</u></a>	Applicant	General Information	WKEF - STA request for continued interim operation technical document - February 12, 2020.