



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000086535** | Submit Date: **10/15/2019** | Call Sign: **WKEF** | Facility ID: **73155** | FRN: **0004970844** | State: **Ohio** | City: **DAYTON**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/22/2019** | Expiration Date:

Filing Status: **InActive**

General Information

Section	Question	Response
---------	----------	----------

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:	1

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@lrmansenter. com	Legal Representative
PE John E. Hidle E. Hidle , PE . Carl T. Jones Corporation	John E. Hidle, PE 7901 Yarnwood Court Springfield, VA 22153-2827 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	274.3 meters
	Height of Radiation Center Above Average Terrain	282.3 meters
	Height of Radiation Center Above Mean Sea Level	547.1 meters
	Effective Radiated Power	47.86 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005751
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TUM-LP-SP4-4/14M-1
	Rotation	10 degrees
	Electrical Beam Tilt	1.0
	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	.997	90	.867	180	.518	270	.867
10	.933	100	.822	190	.467	280	.801
20	.812	110	.727	200	.390	290	.687
30	.845	120	.708	210	.503	300	.768
40	.982	130	.752	220	.692	310	.959
50	.959	140	.692	230	.752	320	.982
60	.768	150	.503	240	.708	330	.645
70	.687	160	.390	250	.727	340	.812
80	.801	170	.467	260	.822	350	.933

Additional Azimuths

Degree	V _A
44	1.0
316	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	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID 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.	Lucy Rutishauser Rutishauser CFO 10/15/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WKEF interim antenna data C-06195 EZ Prop-TUM-LP AUX.pdf</u>	Applicant	General Information	WKEF - antenna data for STA request.
<u>WKEF Interim Facilities STA Request Narrative 10.15.pdf</u>	Applicant	All Purpose	WKEF STA Narrative