Approved by OMB (Office of Management and Budget) 3060-0386
July 2002

Federal Communications Commission

(REFERENCE COPY - Not for submission)

Amendment to a DTV Engineering STA Application

File Number: **0000106582** | Submit Date: **02/26/2020** | Call Sign: **WUCF-TV** | Facility ID: **12855** | FRN: **0022163661**
State: **Florida** | City: **ORLANDO**
Service: **DTV** | Purpose: **Engineering STA Amendment** | Status: **Granted** | Status Date: **03/04/2020** | Expiration Date: **09/03/2020** | Filing Status: **InActive**

General Information

Section	Question	Response

Fees, Waivers, and Exemptions

Section	Question	Response
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
UNIVERSITY OF CENTRAL FLORIDA Doing Business As: UNIVERSITY OF CENTRAL FLORIDA	Bill Dotson 12461 RESEARCH PKWY SUITE 550 ORLANDO, FL 32826 United States	+1 (407) 823-6112	wucf@wucf.org	Government Entity

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 (4)

Contact Name	Address	Phone	Email	Contact Type
William T Godfrey , Jr . *Consulting Engineers* Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607 United States	+1 (352) 332-3157	bill@kesslerandgehman.com	Technical Representative
Todd D. Gray Gray Miller Persh LLP	2233 Wisconsin Ave NW Ste 226 Washington, DC 20007 United States	+1 (202) 776-2571	tgray@graymillerpersh.com	Legal Representative
Derek Teslik Gray Miller Persh, LLP	2233 Wisconsin Ave NW Ste 226 Washington, DC 20007 United States	+1 (202) 559-7489	dteslik@graymillerpersh.com	Legal Representative
Ryan C Wilhour *Consulting Engineer* Kessler and Gehman Associates, Inc.	507 NW 60TH ST STE D Gainesville, FL 32607 United States	+1 (352) 332-3157	ryan@kesslerandgehman.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	12855
	State	Florida
	City	ORLANDO
	DTV Channel	34
	Designated Market Area	ORLANDO-DAYTONA BCH-MELBRN
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	3

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1026744
Coordinates (NAD83)	Latitude	28° 36' 08.0" N+
	Longitude	081° 05' 36.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	490.2 meters
	Support Structure Height	451.1 meters
	Ground Elevation (AMSL)	19.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	372 meters
	Height of Radiation Center Above Average Terrain	379.6 meters
	Height of Radiation Center Above Mean Sea Level	391.8 meters
	Effective Radiated Power	3.3 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006471
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ATW30HS3-ESCX-34H
	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	0.998	**90**	0.541	**180**	0.772	**270**	0.869
10	0.986	**100**	0.666	**190**	0.744	**280**	0.821
20	0.919	**110**	0.804	**200**	0.747	**290**	0.775
30	0.804	**120**	0.919	**210**	0.775	**300**	0.747
40	0.666	**130**	0.986	**220**	0.821	**310**	0.744
50	0.541	**140**	0.998	**230**	0.869	**320**	0.772
60	0.460	**150**	0.962	**240**	0.907	**330**	0.827
70	0.433	**160**	0.897	**250**	0.92	**340**	0.897
80	0.460	**170**	0.827	**260**	0.907	**350**	0.962

Additional Azimuths

Degree	V_A
4	1.000
136	1.000

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.	**Phil Hoffman** *Executive Director* 02/26/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
Amendment.pdf	Applicant	Amendment	Description of Amendment
WUCF Reduced Power STA Request - February 2020.pdf	Applicant	All Purpose	Request for STA