



(REFERENCE COPY - Not for submission)

Digital Class A Engineering STA Application

File Number: 0000086488 | Submit Date: 10/15/2019 | Call Sign: WEDE-CD | Facility ID: 66978 | FRN: 0004082244 |

State: Illinois | City: ARLINGTON HEIGHTS

Service: DCA | Purpose: Engineering STA | Status: Granted | Status Date: 10/17/2019 | 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
FIRST UNITED, INC. Applicant Doing Business As: FIRST UNITED, INC.	Joseph Stroud 109 Indian Trail Road OAK BROOK, IL 60523 United States	+1 (708) 633- 0001	josephstroud@me. 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
(3)

Contact Name	Address	Phone	Email	Contact Type
Peter Femal Femal Public Media Engineering LLC	Peter Female 824 W. Superior Street Chicago, IL 60642 United States	+1 (312) 757- 5200	pfemal@pmeworks. com	Technical Representative
Peter Femal D Ruck , PE . Public Media Engineering LLC	PO Box 415 Chicago, IL 60642 United States	+1 (312) 757- 5200	test@fcc.gov	Technical Representative
Henry Wendel Wendel Cooley LLP	Henry Wendel 1299 Pennsylvania Avenue, NW Suite 700 Washington, DC 20004 United States	+1 (202) 776- 2943	hwendel@cooley. com	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	66978
	State	Illinois
	City	ARLINGTON HEIGHTS
	DCA Channel	28
	Designated Market Area	Chicago

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1032959
Coordinates (NAD83)	Latitude	41° 52' 44.1" N+
	Longitude	087° 38' 10.2" W-
	Structure Type	BTWR-Building with TOWER /ANTENNA on top
	Overall Structure Height	527.3 meters
	Support Structure Height	437.5 meters
	Ground Elevation (AMSL)	181.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	444 meters
	Height of Radiation Center Above Mean Sea Level	625.4 meters
	Effective Radiated Power	1.0 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005746
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TUA-TU-01-01L-T
	Rotation	188 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:	Stringent

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1.000	90	0.032	180	0.062	270	0.032
10	0.960	100	0.053	190	0.054	280	0.030
20	0.847	110	0.069	200	0.048	290	0.093
30	0.692	120	0.074	210	0.048	300	0.197
40	0.518	130	0.058	220	0.042	310	0.347
50	0.347	140	0.042	230	0.058	320	0.518
60	0.197	150	0.048	240	0.074	330	0.692
70	0.093	160	0.048	250	0.069	340	0.847
80	0.030	170	0.054	260	0.053	350	0.960

Additional Azimuths

Degree	V _A
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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	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.	Joseph Stroud Stroud <i>President</i> 10/15/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
WEDE-CD STA Request Technical Exhibit 10142019.pdf	Applicant	General Information	WEDE-CD STA Technical Exhibit (10-2019)