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

Federal Communications Commission

(REFERENCE COPY - Not for submission)

DTV Experimental STA Application

File Number: **0000054330** | Submit Date: **05/22/2018** | Call Sign: **WCIU-TV** | Facility ID: **71428** | FRN: **0009562265** | State: **Illinois** | City: **CHICAGO**

Service: **DTV** | Purpose: **Experimental STA** | Status: **Superceded** | Status Date: **05/24/2018** | Filing Status: **InActive**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)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Experimental STA	MGT	$190.00
	Total	**$190.00**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WCIU-TV LIMITED PARTNERSHIP **Applicant** Doing Business As: WCIU-TV LIMITED PARTNERSHIP	Norman Shapiro 26 NORTH HALSTED STREET CHICAGO, IL 60661 United States	+1 (312) 705-2600	NSHAPIRO@wciu.com	Other

Contact Representatives (2)

Contact Name	Address	Phone	Email	Contact Type
Esq Ann Bobeck Bobeck , Esq . Covington & Burling LLP	Ann Bobeck One CityCenter, 850 Tenth Street, NW Washington, DC 20001 United States	+1 (202) 662-5719	abobeck@cov.com	Legal Representative
Jr Louis R duTreil R duTreil , Jr . duTreil Lundin & Rackley Inc	3135 Southgate Circle Sarasota, FL 34239 United States	+1 (941) 329-6004	bobjr@DLR.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Facility ID	71428	
State	Illinois	
City	CHICAGO	
DTV Channel	23	
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	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	472 meters
	Height of Radiation Center Above Average Terrain	480 meters
	Height of Radiation Center Above Mean Sea Level	653.4 meters
	Effective Radiated Power	53.5 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1003672
Antenna Manufacturer and Model	Manufacturer:	Alive
	Model	ALI-ATC-BCSE12C1-U1
	Rotation	240 degrees
	Electrical Beam Tilt	1
	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	0.87	**90**	0.218	**180**	0.991	**270**	0.957
10	0.797	**100**	0.119	**190**	0.996	**280**	0.912
20	0.719	**110**	0.241	**200**	0.954	**290**	0.867
30	0.608	**120**	0.443	**210**	0.893	**300**	0.856
40	0.443	**130**	0.608	**220**	0.856	**310**	0.893
50	0.241	**140**	0.719	**230**	0.867	**320**	0.954
60	0.119	**150**	0.797	**240**	0.912	**330**	0.996
70	0.218	**160**	0.87	**250**	0.957	**340**	0.991
80	0.273	**170**	0.942	**260**	0.975	**350**	0.942

Additional Azimuths

Degree	V_A
334	1
186	1

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.	**Norman H Shapiro H Shapiro** *President/Secretary /Treasurer* 05/22/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
ChicagoIL_3p0_Pre_Study_Caused.pdf	Applicant	All Purpose	Interference Analysis
ChicagoIL_3p0_Statement_2018Mar19A.pdf	Applicant	All Purpose	Engineering Statement
IX Letter For Chicago (002).pdf	Applicant	General Information	Interference Acceptance Agreement