



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000060385 | Submit Date: 10/03/2018 | Call Sign: WYIN | Facility ID: 49803 | FRN: 0007318348 | State: Indiana | City: GARY

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 10/09/2018 | Expiration Date:

Filing Status: Active

General Information

Section	Question	Response
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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
NORTHWEST INDIANA PUBLIC BROADCASTING, INC. Applicant Doing Business As: NORTHWEST INDIANA PUBLIC BROADCASTING, INC.	James Muhammad 8625 INDIANA PLACE MERRILLVILLE, IN 46410 United States	+1 (219) 756-5656	jmuhammad@lakeshorepublicmedia.org	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
(1)

Contact Name	Address	Phone	Email	Contact Type
Lawrence M. Miller M. Miller Garvey Schubert Barer	1000 Potomac Street, NW Suite 200 Washington, DC 20007 United States	+1 (202) 298- 2534	lmiller@gsblaw. com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	49803
	State	Indiana
	City	GARY
	DTV Channel	17
	Designated Market Area	CHICAGO
Facility Type	Facility Type	Noncommercial Educational
	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	1029219
Coordinates (NAD83)	Latitude	41° 20' 59.3" N+
	Longitude	087° 23' 58.1" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	306.6 meters
	Support Structure Height	289.5 meters
	Ground Elevation (AMSL)	221.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	281 meters
	Height of Radiation Center Above Average Terrain	290 meters
	Height of Radiation Center Above Mean Sea Level	502.0 meters
	Effective Radiated Power	300 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	46333
Antenna Manufacturer and Model	Manufacturer:	AND
	Model	ATW14H4-HSCX-17H
	Rotation	0 degrees
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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	0.78	90	0.129	180	0.149	270	0.694
10	0.688	100	0.126	190	0.151	280	0.789
20	0.593	110	0.15	200	0.178	290	0.872
30	0.502	120	0.182	210	0.224	300	0.945
40	0.418	130	0.206	220	0.282	310	0.987
50	0.346	140	0.216	230	0.349	320	1
60	0.278	150	0.21	240	0.424	330	0.985
70	0.217	160	0.192	250	0.507	340	0.936
80	0.164	170	0.168	260	0.601	350	0.864

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.	James Muhammad Muhammad <i>President and CEO</i> 10/03/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WYIN Reason for Engineering STA Request.pdf</u>	Applicant	All Purpose	Reason for Engineering STA Request