



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000053594** | Submit Date: **04/27/2018** | Call Sign: **WNYW** | Facility ID: **22206** | FRN: **0005795067** | State: **New York** | City: **NEW YORK**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **05/15/2018** | Expiration Date: **11/14/2018**  
 Filing Status: **Active**

**General Information**

Section	Question	Response
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**Fees, Waivers, and Exemptions**

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<b>Waivers</b>	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	\$190.00
<b>Total</b>		<b>\$190.00</b>

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
<b>FOX TELEVISION STATIONS, LLC</b>	Joseph M. Di Scipio 400 N. Capitol Street, NW Suite 890 WASHINGTON, DC 20001 United States	+1 (202) 824- 6522	JDISCIPIO@21CF. COM	Limited Liability Company

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**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
<b>Joseph M. Di Scipio</b> <i>Senior Vice President, Legal and FCC Compliance</i> Fox Television Stations, LLC	Joseph M. Di Scipio 400 N. Capitol Street Suite 890 WASHINGTON, DC 20001 United States	+1 (202) 824- 6522	JDISCIPIO@21CF. COM	Legal Representative
<b>William Meintel</b> <i>Senior Partner</i> Meintel, Sgrignoli, & Wallace, LLC	PO Box 907 Warrenton, VA 20188 United States	+1 (540) 428- 2308	william. meintel@mswdtv. com	Technical Representative

**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	22206
	State	New York
	City	NEW YORK
	DTV Channel	44
	Designated Market Area	New York
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	1

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1263701
<b>Coordinates (NAD83)</b>	Latitude	40° 42' 46.8" N+
	Longitude	074° 00' 47.3" W-
	Structure Type	BTWR-Building with TOWER /ANTENNA on top
	Overall Structure Height	546.2 meters
	Support Structure Height	406.8 meters
	Ground Elevation (AMSL)	4.3 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	501.7 meters
	Height of Radiation Center Above Average Terrain	496 meters
	Height of Radiation Center Above Mean Sea Level	506.0 meters
	Effective Radiated Power	426 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1003282
<b>Antenna Manufacturer and Model</b>	Manufacturer:	RFS
	Model	PEP96L
	Rotation	0 degrees
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
<b>DTV and DTS: Elevation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	Uploaded file for elevation antenna (or radiation) pattern data	RFS_PEP96L_V_PAT_CH_44.xml

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)
0	0.616	90	0.607	180	0.611	270	0.605
10	0.825	100	0.826	190	0.824	280	0.822
20	0.818	110	0.814	200	0.817	290	0.814
30	0.616	120	0.606	210	0.612	300	0.608
40	0.828	130	0.829	220	0.827	310	0.822
50	0.813	140	0.815	230	0.813	320	0.815
60	0.610	150	0.608	240	0.607	330	0.610
70	0.829	160	0.825	250	0.822	340	0.822
80	0.815	170	0.821	260	0.815	350	0.821

**Additional Azimuths**

Degree	V <sub>A</sub>
345.0	1.000
255.0	0.992
225.0	0.993
195.0	0.993
15.0	0.994

**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></p>	<p>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.).</p>	
	<p>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.</p>	
<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>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.</p> <p>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).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Joseph M. Di Scipio</b>  <i>SVP, Legal and FCC Compliance</i></p> <p>04/27/2018</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>Engineering Statement for revised STA request.pdf</u></a>	Applicant	All Purpose	Engineering Statement and STA Justification
<a href="#"><u>RF Exposure Statement WNYW CH 44.pdf</u></a>	Applicant	General Information	RF Exposure Statement
<a href="#"><u>RFS PEP96L ANTENNA DATA.pdf</u></a>	Applicant	General Information	Antenna Data
<a href="#"><u>WNYW PEP96L 426 KW tvixstudy.txt</u></a>	Applicant	General Information	TVStudy Interference Analysis Results
<a href="#"><u>RFS PEP96L V PAT CH 44.xml</u></a>	Applicant	Elevation Pattern	