



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000041037** | Submit Date: **01/31/2018** | Call Sign: **WNYW** | Facility ID: **22206** | FRN: **0005795067** | State:  
**New York** | City: **NEW YORK**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **02/13/2018** | Expiration Date: |

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
Engineering STA	MGT	\$190.00
Total		\$190.00

Applicant  
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
FOX TELEVISION STATIONS, LLC Applicant Doing Business As: FOX TELEVISION STATIONS, LLC	Joseph M. Di Scipio 400 N. Capitol Street, NW Suite 890 WASHINGTON, DC 20001 United States	+1 (202) 824- 6522	JDISCIPIO@21CF. 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  
(1)

Contact Name	Address	Phone	Email	Contact Type
Joseph M. Di Scipio M. Di Scipio Fox Television Stations, LLC	Joseph M. Di Scipio 400 N. Capitol Street Suite 890 WASHINGTON, DC 20001 United States	+1 (202) 824-6522	JDISCPIO@21CF.COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	22206
	State	New York
	City	NEW YORK
	DTV Channel	44
	Designated Market Area	New York
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	1263701
Coordinates (NAD83)	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
Antenna Data	Height of Radiation Center Above Ground Level	526.1 meters
	Height of Radiation Center Above Average Terrain	520 meters
	Height of Radiation Center Above Mean Sea Level	530.4 meters
	Effective Radiated Power	151 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1002828
Antenna Manufacturer and Model	Manufacturer:	RFS
	Model	PEP40E
	Rotation	0 degrees
	Electrical Beam Tilt	1.0
	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?	Yes
	Uploaded file for elevation antenna (or radiation) pattern data	RFS_PEP40_HPOL_VPAT_CH_44.xml

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.687	90	0.962	180	0.755	270	0.932
10	0.859	100	0.853	190	0.828	280	0.822
20	0.957	110	0.719	200	0.923	290	0.756
30	0.836	120	0.861	210	0.761	300	0.934
40	0.727	130	0.908	220	0.729	310	0.993
50	0.874	140	0.730	230	0.933	320	0.841
60	0.833	150	0.790	240	0.946	330	0.780
70	0.666	160	0.981	250	0.758	340	0.919
80	0.805	170	0.937	260	0.773	350	0.840

Additional Azimuths

Degree	V <sub>A</sub>
307	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	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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.	<b>Joseph M. Di Scipio M. Di Scipio</b> <i>SVP, Legal and FCC Compliance</i>  01/31/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>Engineering Statement.pdf</u>	Applicant	All Purpose	Engineering and STA Justification Statement
<u>RF Exposure Statement WNYW CH 44.pdf</u>	Applicant	All Purpose	RF Exposure Statement
<u>RFS PEP40E CH 44 Antenna Pattern Data.pdf</u>	Applicant	All Purpose	Antenna Data
<u>WNYW CH 44 OWT PEP 40 tvixstudy.txt</u>	Applicant	All Purpose	TVStudy Interference Analysis Results
<u>RFS PEP40 HPOL VPAT CH 44.xml</u>	Applicant	Elevation Pattern	