



(REFERENCE COPY - Not for submission)

## DTV Engineering STA Application

File Number: **0000040492** | Submit Date: **01/19/2018** | Call Sign: **KHRR** | Facility ID: **30601** | FRN: **0019509470** | State: **Arizona** | City: **TUCSON**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/30/2018** | Expiration Date: |  
 Filing Status: **InActive**

### 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**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>NBC TELEMUNDO LICENSE LLC Applicant</b> Doing Business As: NBC TELEMUNDO LICENSE LLC	Margaret Tobey 300 NEW JERSEY AVE, N.W. WASHINGTON, DC 20001 United States	+1 (202) 524-6401	MARGARET. TOBEY@NBCUNI.COM	Other

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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>H. Douglas Lung Lung</b> NBCUniversal, LLC	PO Box 98 Honolulu, HI 96728 United States	+1 (818) 334- 4034	doug.lung@nbcuni.com	Technical Representative
<b>Margaret L. Tobey L. Tobey</b> NBCUniversal, LLC	300 New Jersey Avenue, NW Suite 700 Washington, DC 20001 United States	+1 (202) 524- 6401	margaret.tobey@nbcuni. com	Legal Representative

**Channel and Facility Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
Facility ID	30601	
State	Arizona	
City	TUCSON	
DTV Channel	40	
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	2

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1218276
<b>Coordinates (NAD83)</b>	Latitude	32° 14' 57.0" N+
	Longitude	111° 07' 00.9" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	64.3 meters
	Support Structure Height	46.6 meters
	Ground Elevation (AMSL)	1326.5 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	40.4 meters
	Height of Radiation Center Above Average Terrain	601 meters
	Height of Radiation Center Above Mean Sea Level	1366.9 meters
	Effective Radiated Power	273.7 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1002820
<b>Antenna Manufacturer and Model</b>	Manufacturer:	Dielectric
	Model	TUA-C2-5/10H-1-S
	Rotation	0 degrees
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<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?	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	0.705	90	0.634	180	0.198	270	0.012
10	0.859	100	0.754	190	0.094	280	0.022
20	0.959	110	0.946	200	0.035	290	0.031
30	0.977	120	0.998	210	0.031	300	0.031
40	0.942	130	0.977	220	0.029	310	0.035
50	0.754	140	0.865	230	0.018	320	0.094
60	0.658	150	0.704	240	0.020	330	0.199
70	0.821	160	0.525	250	0.031	340	0.354
80	0.798	170	0.351	260	0.026	350	0.528

**Additional Azimuths**

Degree	V <sub>A</sub>
91	0.630
74	0.850
58	0.651
26	0.978
123	1.000

**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>Margaret L. Tobey L. Tobey</b>  <i>Assistant Secretary</i></p> <p>01/19/2018</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>KHRR-Request-For-STA-for-Interim-Facility-Rev2.pdf</u></a>	Applicant	All Purpose	Exhibit describing the need for this interim facility STA, public interest benefit, description of facility, demonstration of community of license coverage, and environmental statement.