



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000068417** | Submit Date: **03/07/2019** | Call Sign: **KTDO** | Facility ID: **36916** | FRN: **0019509470** | State: **New Mexico** | City: **LAS CRUCES**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/13/2019** | 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	\$200.00
<b>Total</b>		<b>\$200.00</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 L. Tobey 300 NEW JERSEY AVENUE, NW SUITE 700 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 Douglas 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 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>
<b>Proposed Community of License</b>	Facility ID	36916
	State	New Mexico
	City	LAS CRUCES
	DTV Channel	47
	Designated Market Area	El Paso (Las Cruces)
<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	1202400
<b>Coordinates (NAD83)</b>	Latitude	31° 48' 18.9" N+
	Longitude	106° 29' 00.7" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	118.3 meters
	Support Structure Height	103.9 meters
	Ground Elevation (AMSL)	1708.4 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	75.59 meters
	Height of Radiation Center Above Average Terrain	540.0 meters
	Height of Radiation Center Above Mean Sea Level	1783.99 meters
	Effective Radiated Power	200 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004725
<b>Antenna Manufacturer and Model</b>	Manufacturer:	Dielectric
	Model	TLP-16B
	Rotation	135 degrees
	Electrical Beam Tilt	1.50
	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	1.000	90	0.661	180	0.645	270	0.650
10	0.996	100	0.615	190	0.641	280	0.699
20	0.981	110	0.583	200	0.631	290	0.759
30	0.955	120	0.569	210	0.613	300	0.817
40	0.920	130	0.571	220	0.592	310	0.869
50	0.876	140	0.586	230	0.579	320	0.914
60	0.826	150	0.607	240	0.570	330	0.951
70	0.771	160	0.627	250	0.579	340	0.975
80	0.714	170	0.640	260	0.610	350	0.993

**Additional Azimuths**

Degree	V <sub>A</sub>
244	0.570
184	0.645
177	0.645
126	0.568
121	0.568

**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>03/07/2019</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>KTDO Interim Channel 47 Engineering STA Exhibit-R2.pdf</u></a>	Applicant	All Purpose	Outline of the purpose and requirement for the STA, description of proposed facility, environmental analysis, description of compliance with FCC rules, and contour map.