



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000106776** | Submit Date: **02/28/2020** | Call Sign: **KTLM** | Facility ID: **62354** | FRN: **0019509470** | State: **Texas** | City: **RIO GRANDE CITY**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/04/2020** | 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, N.W. 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 Lung</b> NBCUniversal, LLC	H. Douglas Lung 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	Margaret L Tobey 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>
<b>Proposed Community of License</b>	Facility ID	62354
	State	Texas
	City	RIO GRANDE CITY
	DTV Channel	40
	Designated Market Area	Harlingen-Wslco-Brnsvl-McA
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	3

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1056488
<b>Coordinates (NAD83)</b>	Latitude	26° 31' 02.0" N+
	Longitude	098° 39' 08.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	584.0 meters
	Support Structure Height	584.0 meters
	Ground Elevation (AMSL)	125.0 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	480.1 meters
	Height of Radiation Center Above Average Terrain	479.9 meters
	Height of Radiation Center Above Mean Sea Level	605.1 meters
	Effective Radiated Power	440 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006491
<b>Antenna Manufacturer and Model</b>	Manufacturer:	Dielectric
	Model	TFU-24WB-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	0.4
	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?	Yes
	Uploaded file for elevation antenna (or radiation) pattern data	KTLM D40 Elevation TFU-24WB.xml

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

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.888	90	0.839	180	0.839	270	0.573
10	0.942	100	0.846	190	0.789	280	0.471
20	0.986	110	0.872	200	0.718	290	0.327
30	1.000	120	0.920	210	0.601	300	0.300
40	0.975	130	0.970	220	0.439	310	0.445
50	0.925	140	0.997	230	0.296	320	0.606
60	0.875	150	0.986	240	0.325	330	0.722
70	0.847	160	0.944	250	0.470	340	0.791
80	0.839	170	0.890	260	0.572	350	0.839

**Additional Azimuths**

Degree	V <sub>A</sub>
85	0.839
297	0.285
265	0.587
234	0.281
142	0.997

**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>02/28/2020</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>KTLM40-STA-73.625(c)_antenna_system-data.pdf</u></a>	Applicant	General Information	Antenna system data
<a href="#"><u>KTLM Application For Modified STA for Interim Facility-R1.pdf</u></a>	Applicant	All Purpose	Outline of the requirement for modified STA and details of proposed STA modifications
<a href="#"><u>KTLM D40 Elevation TFU-24WB.xml</u></a>	Applicant	Elevation Pattern	