



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000063618** | Submit Date: **11/16/2018** | Call Sign: **KIAH** | Facility ID: **23394** | FRN: **0005047105** | State: **Texas** | City: **HOUSTON**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **11/27/2018** | Expiration Date:   
 Filing Status: **InActive**

**General Information**

Section	Question	Response
---------	----------	----------

**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>KIAH, LLC Applicant</b> Doing Business As: KIAH, LLC	Peggy Moore 7700 WESTPARK DRIVE HOUSTON, TX 77063 United States	+1 (713) 435- 2863	PNMoore@tribunemedia. 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  
(2)**

Contact Name	Address	Phone	Email	Contact Type
<b>Jr Louis R duTreil R duTreil</b> , Jr . duTreil Lundin & Rackley Inc	3135 Southgate Circle Sarasota, FL 34239 United States	+1 (941) 329- 6004	bobjr@DLR.com	Technical Representative
<b>Jason Roberts Roberts</b> Tribune Media Company	Jason Roberts 303 E. Wacker Drive Suite 1700 Chicago, IL 60601 United States	+1 (312) 222- 3894	jroberts@tribunemedia. com	Legal Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	23394	
State	Texas	
City	HOUSTON	
DTV Channel	38	
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	3

**Primary station proposed to be rebroadcast:**

Facility Id	Call Sign	City	State
-------------	-----------	------	-------

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1047348
<b>Coordinates (NAD83)</b>	Latitude	29° 34' 07.0" N+
	Longitude	095° 29' 58.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	600.5 meters
	Support Structure Height	569.8 meters
	Ground Elevation (AMSL)	24.1 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	518.3 meters
	Height of Radiation Center Above Average Terrain	523 meters
	Height of Radiation Center Above Mean Sea Level	542.4 meters
	Effective Radiated Power	240 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004333
<b>Antenna Manufacturer and Model</b>	Manufacturer:	DIE
	Model	TFU-8WB-1-R C160
	Rotation	30 degrees
	Electrical Beam Tilt	1.05
	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	.971	90	.842	180	.64	270	.84
10	.976	100	.788	190	.609	280	.882
20	.988	110	.713	200	.531	290	.92
30	.998	120	.612	210	.45	300	.956
40	.998	130	.504	220	.433	310	.984
50	.984	140	.435	230	.503	320	.998
60	.956	150	.452	240	.611	330	.998
70	.921	160	.533	250	.711	340	.987
80	.883	170	.61	260	.786	350	.976

**Additional Azimuths**

Degree	V <sub>A</sub>
35	1

**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>Harvey Saxer Saxer</b>  <i>Vice President/General Manager</i></p> <p>11/16/2018</p>

**Attachments**

<b>File Name</b>	<b>Uploaded By</b>	<b>Attachment Type</b>	<b>Description</b>
<a href="#"><u>KIAH_38_STA_Coverage_Map.pdf</u></a>	Applicant	All Purpose	PREDICTED COVERAGE CONTOURS
<a href="#"><u>KIAH_38_STA_RF_Hazard_Statement.pdf</u></a>	Applicant	All Purpose	RF HAZARD STATEMENT
<a href="#"><u>KIAH_38_STA_Technical_Summary.pdf</u></a>	Applicant	General Information	TECHNICAL SUMMARY
<a href="#"><u>KIAH_38_STA_TVStudy_Analysis.pdf</u></a>	Applicant	All Purpose	TVSTUDY ANALYSIS