



(REFERENCE COPY - Not for submission)

# DTS Engineering STA Application

File Number: **0000156058** | Submit Date: **08/04/2021** | Call Sign: **KMCC** | Facility ID: **41237** | FRN: **0001808468** | State: **Nevada** | City: **LAUGHLIN**  
 Service: **DTS** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **08/18/2021** | 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	MPV	\$270.00
<b>Total</b>		<b>\$270.00</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>ION TELEVISION LICENSE, LLC Applicant</b> Doing Business As: ION TELEVISION LICENSE, LLC	Legal Department 601 Clearwater Park Road West Palm Beach, FL 33401 United States	+1 (561) 682-4110	bianca.frye@scripps.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>James Collins Collins</b> The E.W. Scripps Company	14444 66th St. North Clearwater, FL 33764 United States	+1 (727) 479- 1102	Jim.Collins@scripps. com	Technical Representative
<b>David Giles Giles</b> The E.W. Scripps Company	David Giles 312 Walnut Street Cincinnati, OH 45202 United States	+1 (513) 977- 3891	dave.giles@scripps. com	Legal Representative

**Channel and  
Facility  
Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Proposed Community of License</b>	Facility ID	41237
	State	Nevada
	City	LAUGHLIN
	DTS Channel	32
	Designated Market Area	Las Vegas
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	2

**DTS Reference Point**

Section	Question	Response
<b>Construction Permit File Number and Facility ID</b>	File Number for Current Authorized Service Area:	
	Facility ID	
<b>Coordinates (NAD83)</b>	Latitude	- -
	Longitude	- -

**Site 1: Antenna  
Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1211383
<b>Coordinates (NAD83)</b>	Latitude	35° 39' 07.0" N+
	Longitude	114° 18' 43.8" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	413.0 meters
	Support Structure Height	412.1 meters
	Ground Elevation (AMSL)	1285.0 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	363 meters
	Height of Radiation Center Above Average Terrain	607 meters
	Height of Radiation Center Above Mean Sea Level	1648.0 meters
	Effective Radiated Power	500 kW

**Site 1: Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	113077
<b>Antenna Manufacturer and Model</b>	Manufacturer:	DIE
	Model	TFU-30DSCS180
	Electrical Beam Tilt	1
	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?	
	Rotation	0 degrees
	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
<b>0</b>	0.928	<b>90</b>	0.319	<b>180</b>	0.369	<b>270</b>	0.949
<b>10</b>	0.906	<b>100</b>	0.343	<b>190</b>	0.474	<b>280</b>	0.968
<b>20</b>	0.878	<b>110</b>	0.403	<b>200</b>	0.591	<b>290</b>	0.985
<b>30</b>	0.839	<b>120</b>	0.455	<b>210</b>	0.697	<b>300</b>	0.996
<b>40</b>	0.78	<b>130</b>	0.475	<b>220</b>	0.78	<b>310</b>	1
<b>50</b>	0.697	<b>140</b>	0.455	<b>230</b>	0.839	<b>320</b>	0.996
<b>60</b>	0.591	<b>150</b>	0.403	<b>240</b>	0.878	<b>330</b>	0.985
<b>70</b>	0.474	<b>160</b>	0.343	<b>250</b>	0.906	<b>340</b>	0.968
<b>80</b>	0.369	<b>170</b>	0.319	<b>260</b>	0.928	<b>350</b>	0.949

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Site 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	1020486
<b>Coordinates (NAD83)</b>	Latitude	35° 56' 46.0" N+
	Longitude	115° 02' 37.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	83.5 meters
	Support Structure Height	81.4 meters
	Ground Elevation (AMSL)	1316.7 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	24.3 meters
	Height of Radiation Center Above Average Terrain	557 meters
	Height of Radiation Center Above Mean Sea Level	1341.0 meters
	Effective Radiated Power	4.4 kW

**Site 2: Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	113078
<b>Antenna Manufacturer and Model</b>	Manufacturer:	PSI
	Model	PSILP8SL-32
	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?	
	Rotation	40 degrees
	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
<b>0</b>	1	<b>90</b>	0.21	<b>180</b>	0.19	<b>270</b>	0.21
<b>10</b>	0.96	<b>100</b>	0.2	<b>190</b>	0.15	<b>280</b>	0.21
<b>20</b>	0.86	<b>110</b>	0.2	<b>200</b>	0.08	<b>290</b>	0.23
<b>30</b>	0.71	<b>120</b>	0.22	<b>210</b>	0.12	<b>300</b>	0.3
<b>40</b>	0.55	<b>130</b>	0.23	<b>220</b>	0.2	<b>310</b>	0.41
<b>50</b>	0.41	<b>140</b>	0.2	<b>230</b>	0.23	<b>320</b>	0.55
<b>60</b>	0.3	<b>150</b>	0.12	<b>240</b>	0.22	<b>330</b>	0.71
<b>70</b>	0.23	<b>160</b>	0.08	<b>250</b>	0.2	<b>340</b>	0.86
<b>80</b>	0.21	<b>170</b>	0.15	<b>260</b>	0.2	<b>350</b>	0.96

**Additional Azimuths**

Degree	V <sub>A</sub>
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**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>James Collins Collins</b>  <i>VP, Station Operations</i></p> <p>08/04/2021</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">2021-08-04 KMCC STA Request Exhibit.pdf</a>	Applicant	General Information	STA Request Exhibit