



(REFERENCE COPY - Not for submission)

Modification of a License to Convert from DTV to DTS Application

File Number: **0000095310** | Submit Date: **01/06/2020** | Call Sign: **KASW** | Facility ID: **7143** | FRN: **0002710192** | State: **Arizona** | City: **PHOENIX**

Service: **DTS** | Purpose: **Modification to Convert 0000067495** | Status: **Granted** | Status Date: **01/21/2020** | Expiration Date: **01/21/2023** | Filing Status: **InActive**

General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	Yes

Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
	Is the applicant exempt from FCC regulatory Fees?	No
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	
	Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	No

Application Type	Fee Code	Fee Amount
Modification to Convert	MPT	\$1,110.00
Total		\$1,110.00

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SCRIPPS BROADCASTING HOLDINGS LLC Doing Business As: SCRIPPS BROADCASTING HOLDINGS LLC	Dave Giles 312 WALNUT STREET 28TH FLOOR CINCINNATI, OH 45202 United States	+1 (513) 977-3000	DAVE.GILES@SCRIPPS.COM	Limited Liability Company

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
(3)

Contact Name	Address	Phone	Email	Contact Type
Kenneth C. Howard , Esq. . Baker & Hostetler LLP	Kenneth C. Howard, Esq. 1050 Connecticut Avenue Suite 1100 Washington, DC, DC 20036 United States	+1 (202) 861-1580	KHOWARD@BAKERLAW.COM	Legal Representative
Benjamin Pidek <i>Consulting Engineer</i> Mid-State Consultants	Benjamin Pidek 6197 Miller Rd. Suite #1 Swartz Creek, MI 48473 United States	+1 (810) 226-0750	bpidek@mscon.com	Technical Representative
Joseph L Snelson , Jr . <i>Technical Consultant</i> Meintel Sgrignoli and Wallace	1282 Smallwood Drive Suite 372 Waldorf, MD 20603 United States	+1 (281) 466-2080	joe.snelson@mswdtv.com	Technical Representative

Alien Ownership

Question	Response
1) Is the applicant a foreign government or the representative of any foreign government as specified in Section 310(a) of the Communications Act?	No
2) Is the applicant an alien or the representative of an alien? (Section 310(b)(1))	No
3) Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2))	No
4) Is the applicant an entity of which more than one-fifth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any entity organized under the laws of a foreign country? (Section 310(b)(3))	No
5) Is the applicant directly or indirectly controlled by any other entity of which more than one-fourth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any entity organized under the laws of a foreign country? (Section 310(b)(4))	No
6) Has the applicant received a declaratory ruling(s) under Section 310(b)(4) of the Communications Act?	No
7) In connection with this application, is the applicant filing a foreign ownership Petition for Declaratory Ruling pursuant to Section 310(b)(4) of the Communications Act?	No

Basic Qualifying Questions

Section	Question	Response
Revoked Application	Has the Applicant or any party to this application had any FCC station Authorization revoked or had any application for an initial, modification or renewal of FCC station Authorization denied by the Commission?	No
State or Federal Convictions	Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	No

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	7143
	State	Arizona
	City	PHOENIX
	DTS Channel	27
	Designated Market Area	Phoenix (Prescott)
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

DTS Reference
Point

Section	Question	Response
Construction Permit File Number and Facility ID	File Number for Current Authorized Service Area:	0000067495
	Facility ID	7143
Coordinates (NAD83)	Latitude	33° 20' 01.0" N+
	Longitude	112° 03' 47.0" W-

Site 1: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1002069
Coordinates (NAD83)	Latitude	33° 20' 01.0" N+
	Longitude	112° 03' 47.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	105.0 meters
	Support Structure Height	90.0 meters
	Ground Elevation (AMSL)	810.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	98.5 meters
	Height of Radiation Center Above Average Terrain	550.9 meters
	Height of Radiation Center Above Mean Sea Level	908.5 meters
	Effective Radiated Power	445 kW

Site 1: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1004589
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-17ETT/VP-R 4C190
	Electrical Beam Tilt	0.95
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation Pattern	Does evaluation of this application require the use of an elevation or matrix pattern?	No
	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
0	0.727	90	0.793	180	0.663	270	0.415
10	0.730	100	0.730	190	0.516	280	0.516
20	0.793	110	0.727	200	0.415	290	0.663
30	0.879	120	0.787	210	0.397	300	0.809
40	0.953	130	0.875	220	0.431	310	0.915
50	0.994	140	0.944	230	0.463	320	0.962
60	0.994	150	0.962	240	0.463	330	0.944
70	0.953	160	0.915	250	0.431	340	0.875
80	0.879	170	0.809	260	0.397	350	0.787

Additional Azimuths

Degree	V _A
55	1.000

Site 2: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1002936
Coordinates (NAD83)	Latitude	33° 35' 47.0" N+
	Longitude	112° 05' 34.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	119.6 meters
	Support Structure Height	119.0 meters
	Ground Elevation (AMSL)	599.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	69 meters
	Height of Radiation Center Above Average Terrain	268 meters
	Height of Radiation Center Above Mean Sea Level	668.3 meters
	Effective Radiated Power	18.5 kW

Site 2: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006192
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	i230ECW-8-27
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation Pattern	Does evaluation of this application require the use of an elevation or matrix pattern?	No
	Rotation	40.0 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
0	0.820	90	0.820	180	0.110	270	0.820
10	0.790	100	0.700	190	0.100	280	0.920
20	0.760	110	0.570	200	0.120	290	0.980
30	0.770	120	0.440	210	0.170	300	0.980
40	0.840	130	0.330	220	0.230	310	0.940
50	0.940	140	0.230	230	0.330	320	0.840
60	0.980	150	0.170	240	0.440	330	0.770
70	0.980	160	0.120	250	0.570	340	0.760
80	0.920	170	0.100	260	0.700	350	0.790

Additional Azimuths

Degree	V _A
64	1.000
296	1.000

Site 3: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1201914
Coordinates (NAD83)	Latitude	32° 56' 04.3" N+
	Longitude	112° 40' 56.5" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	82.3 meters
	Support Structure Height	76.5 meters
	Ground Elevation (AMSL)	242.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	71.1 meters
	Height of Radiation Center Above Average Terrain	44.0 meters
	Height of Radiation Center Above Mean Sea Level	314.0 meters
	Effective Radiated Power	50.0 kW

Site 3: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006190
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TLP-8F
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation Pattern	Does evaluation of this application require the use of an elevation or matrix pattern?	No
	Rotation	95.0 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
0	1.000	90	0.223	180	0.077	270	0.224
10	0.983	100	0.165	190	0.071	280	0.304
20	0.939	110	0.101	200	0.051	290	0.409
30	0.850	120	0.049	210	0.028	300	0.525
40	0.745	130	0.023	220	0.017	310	0.640
50	0.634	140	0.019	230	0.035	320	0.750
60	0.521	150	0.028	240	0.080	330	0.849
70	0.405	160	0.045	250	0.125	340	0.932
80	0.296	170	0.064	260	0.168	350	0.987

Additional Azimuths

Degree	V _A
182	0.078
137	0.019

Site 4: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1015427
Coordinates (NAD83)	Latitude	33° 14' 50.4" N+
	Longitude	111° 31' 52.2" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	214.6 meters
	Support Structure Height	200.9 meters
	Ground Elevation (AMSL)	466.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	179.4 meters
	Height of Radiation Center Above Average Terrain	167.0 meters
	Height of Radiation Center Above Mean Sea Level	645.7 meters
	Effective Radiated Power	20.0 kW

Site 4: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006191
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	i230ECW-8-27
	Electrical Beam Tilt	1.50
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation Pattern	Does evaluation of this application require the use of an elevation or matrix pattern?	No
	Rotation	135.0 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
0	0.820	90	0.820	180	0.110	270	0.820
10	0.790	100	0.700	190	0.100	280	0.920
20	0.760	110	0.570	200	0.120	290	0.980
30	0.770	120	0.440	210	0.170	300	0.980
40	0.840	130	0.330	220	0.230	310	0.940
50	0.940	140	0.230	230	0.330	320	0.840
60	0.980	150	0.170	240	0.440	330	0.770
70	0.980	160	0.120	250	0.570	340	0.760
80	0.920	170	0.100	260	0.700	350	0.790

Additional Azimuths

Degree	V _A
64	1.000
296	1.000

**Parties to the
Application (0)**

Information not provided.

Attributable Interest

Section	Question	Response
Equity and Financial Interests	Applicant certifies that equity and financial interests not set forth by the applicant parties are non-attributable.	
Other Authorizations	Does the applicant or any party to the application have an attributable interest in any other broadcast station(s).	
Multiple Ownership	Is the applicant or any party to the application the holder of an attributable radio or television joint sales agreement or an attributable radio or television time brokerage agreement in the same market as the station subject to this application?	No
	Applicant certifies that the proposed facility complies with the Commission's multiple ownership rules and cross-ownership rules.	Yes
	Applicant certifies that the proposed facility: (a) does not present an issue under the Commission's policies relating to media interests of immediate family members; (b) complies with the Commission's polices relating to future ownership interests; (c) complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors	Yes
	Does the Applicant claim status as an "eligible entity," that is, an entity that qualifies as a small business under the Small Business Administration's size standards for its industry grouping (as set forth in 13 C.F.R. § 121-201), and holds: (a) 30 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet; or (b) 15 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet, provided that no other person or entity owns or controls more than 25 percent of the outstanding stock or partnership interests; or (c) more than 50 percent of the voting power of the corporation that will own the media outlet (if such corporation is a publicly traded company)?	No

Construction
Permit
Certifications

Section	Question	Response
Post-Incentive Auction Expedited Processing	It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.	Yes
	It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.	No
	It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.	No
	The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	Yes
Environmental Effect	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306)	No
Broadcast Facility	The proposed facility complies with the applicable engineering standards and assignment requirements of 47 C. F.R. Sections 73.616, 73.622(i), 73.623(e), 73.625, 73.1030, and 73.1125.	Yes
Interference Protection Provisions	The proposed TV station satisfies the interference protection provisions of 47 C.F.R. Section 73.626.	Yes
DTS Facility Requirements	The combined coverage from all of the DTS transmitters in the proposed DTS facility covers all of the station's authorized service area, as required in 47 C.F.R. Section 73.626(f)(1).	Yes
	Each DTS transmitter's coverage is contained within either the TV station's Table of Distances area (47 C.F.R. Section 73.626 (c)) or its authorized service area, except where such coverage is of a minimal amount and necessary to meet the requirements of 47 C.F.R. Section 73.626(f)(1).	Yes, but coverage exceeds station s authorized service area by minimal amount
	Each DTS transmitter's coverage is contiguous with at least one other DTS transmitter's coverage, as required in 47 C.F. R. Section 73.626(e)(3).	Yes
	The coverage from one or more DTS transmitter(s) in the DTS facility provide(s) principal community coverage, as required in 47 C.F.R. Section 73.626(e)(4).	Yes, one transmitter provides principal community coverage

<p>The combined field strength of all of the DTS transmitters in the proposed DTS facility do not cause interference to another station in excess of the criteria specified in 47 C.F.R. Section 73.616, as required in 47 C.F.R. Section 73.626 (e)(5).</p> <p>Note: The combined field strength level shall be determined by a "root-sum-square" calculation, where the combined field strength level at a given location is equal to the square root of the sum of the squared field strengths from each transmitter in the DTS network at that location.</p>	Yes
<p>Each DTS transmitter in the proposed DTS facility is located within either the TV station's Table of Distances area or its authorized service area.</p>	Yes

Legal
Certifications

Section	Question	Response
Character Issues	Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with: (a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or (b) any pending broadcast application in which character issues have been raised.	Yes
Adverse Findings	Has the Applicant or any party to this application had an adverse finding or an adverse final action taken by any court or administrative body in a civil or criminal proceeding brought under any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?	No
Program Service Certification	Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	Yes
Local Public Notice	Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.	Yes
Auction Authorization	Is the applicant submitting an application to obtain a construction permit as a result of winning an auction?	No
Equal Employment Opportunity (EEO)	If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report.	N/A

Certification

Section	Question	Response
General Certification Statements	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.).	
	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.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID 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. 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).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Ray Thurber <i>Vice President/Engineering</i> 01/06/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
DIE TLP 8F.pdf	Applicant	Antenna Technical Data	Antenna Data for DTS Site 3
Engineering Statement.pdf	Applicant	Technical Certifications	Engineering Statement
ERI i230WC-H.pdf	Applicant	Antenna Technical Data	Antenna Data for DTS Sites 2 and 4
Radio Freq Exposure statement.pdf	Applicant	Technical Certifications	Environmental and Radiofrequency Exposure Statement