



(REFERENCE COPY - Not for submission)

Modification of a Licensed Facility for DTS Application

File Number: **0000025322** | Submit Date: **06/28/2017** | Call Sign: **KRBK** | Facility ID: **166319** | FRN: **0009961889** | State: **Missouri** | City: **OSAGE BEACH**

Service: **DTS** | Purpose: **Minor Modification BLCDT-20120412ACM** | Status: **Granted** | Status Date: **07/25/2017**

Expiration Date: **11/30/2018** | 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?	Yes
	Indicate reason for fee exemption:	Fee-exempt application per DA 17-106 paragraph 17.
	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

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KRBK LLC Doing Business As: KRBK LLC	Robert Koplar 50 MARYLAND PLAZA, STE. 300 ST. LOUIS, MO 63108 United States	+1 (314) 345-1000	bob@koplar.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
(4)

Contact Name	Address	Phone	Email	Contact Type
William Getz <i>Consulting Engineer</i> Carl T. Jones Corporation	7901 Yarnwood Ct Springfield, VA 22153 United States	+1 (703) 569-7704	wgetz@ctjc.com	Technical Representative
Robert Koplar <i>General Counsel</i> KRBK, LLC	Robert Koplar #50 MARYLAND PLAZA SUITE 300 ST. LOUIS, MO 63108 United States	+1 (314) 345-1000	bob@koplar.com	General Counsel
Art Morris <i>Engineer</i> KRBK LLC	1701 S. Enterprise Ave Springfield, MO 65804 United States	+1 (417) 522-0020	art@krbktv.com	Technical Representative
DAVID A. O'Connor WILKINSON BARKER KNAUER, LLP	2300 N Street NW Suite 700 Washington, DC 20037 United States	+1 (202) 783-4141	DOCONNOR@WBKLAW.COM	Legal 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))	
3) Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2))	
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))	
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))	
6) Has the applicant received a declaratory ruling(s) under Section 310(b)(4) of the Communications Act?	
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?	

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	166319
	State	Missouri
	City	OSAGE BEACH
	DTS Channel	22
	Designated Market Area	Springfield MO
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:	BLCDT-20120412ACM
	Facility ID	166319
Coordinates (NAD83)	Latitude	37° 43' 26.1" N+
	Longitude	093° 16' 32.6" 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	1003484
Coordinates (NAD83)	Latitude	37° 49' 09.6" N+
	Longitude	092° 44' 52.1" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	273.7 meters
	Support Structure Height	271.3 meters
	Ground Elevation (AMSL)	361.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	235.5 meters
	Height of Radiation Center Above Average Terrain	275.1 meters
	Height of Radiation Center Above Mean Sea Level	596.7 meters
	Effective Radiated Power	7.36 kW

Site 1: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001402
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JA/LS-24/22 SHBP-S
	Electrical Beam Tilt	2.4
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	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	.903	90	.524	180	.351	270	.038
10	.987	100	.513	190	.219	280	.044
20	.982	110	.539	200	.134	290	.054
30	.837	120	.696	210	.081	300	.079
40	.596	130	.902	220	.053	310	.130
50	.518	140	.934	230	.042	320	.217
60	.523	150	.870	240	.038	330	.349
70	.518	160	.714	250	.036	340	.517
80	.503	170	.507	260	.037	350	.697

Additional Azimuths

Degree	V _A
15	1.0

Site 2: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1265698
Coordinates (NAD83)	Latitude	37° 43' 26.5" N+
	Longitude	093° 16' 32.6" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	312.4 meters
	Support Structure Height	300.0 meters
	Ground Elevation (AMSL)	297.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	144.8 meters
	Height of Radiation Center Above Average Terrain	136 meters
	Height of Radiation Center Above Mean Sea Level	442.0 meters
	Effective Radiated Power	24.9 kW

Site 2: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001405
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JA/LS-16/22 THO-S
	Electrical Beam Tilt	1.6
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	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	.65	90	.65	180	1	270	.66
10	.65	100	.7	190	.99	280	.62
20	.64	110	.76	200	.98	290	.59
30	.62	120	.82	210	.95	300	.58
40	.6	130	.87	220	.92	310	.58
50	.58	140	.92	230	.88	320	.59
60	.58	150	.95	240	.83	330	.61
70	.58	160	.97	250	.78	340	.63
80	.61	170	.99	260	.72	350	.65

Additional Azimuths

Degree	V _A
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Site 3: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1028722
Coordinates (NAD83)	Latitude	37° 13' 24.8" N+
	Longitude	093° 14' 30.5" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	180.1 meters
	Support Structure Height	178.3 meters
	Ground Elevation (AMSL)	424.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	162.2 meters
	Height of Radiation Center Above Average Terrain	191.8 meters
	Height of Radiation Center Above Mean Sea Level	586.5 meters
	Effective Radiated Power	7.46 kW

Site 3: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001404
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JA/LS-24/22 SHBP-S
	Electrical Beam Tilt	2.4
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	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	.097	90	.693	180	.477	270	.658
10	.091	100	.889	190	.501	280	.517
20	.088	110	.962	200	.496	290	.352
30	.088	120	.952	210	.516	300	.238
40	.109	130	.821	220	.668	310	.163
50	.159	140	.576	230	.918	320	.116
60	.243	150	.488	240	1	330	.099
70	.37	160	.492	250	.979	340	.098
80	.536	170	.496	260	.869	350	.099

Additional Azimuths

Degree	V _A
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Site 4: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1004541
Coordinates (NAD83)	Latitude	37° 45' 17.4" N+
	Longitude	093° 50' 07.2" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	112.7 meters
	Support Structure Height	106.6 meters
	Ground Elevation (AMSL)	291.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	85.8 meters
	Height of Radiation Center Above Average Terrain	104.4 meters
	Height of Radiation Center Above Mean Sea Level	377.1 meters
	Effective Radiated Power	42.6 kW

Site 4: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001401
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JA/LS-16/22 SHBP-S
	Electrical Beam Tilt	1.6
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	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	.949	90	.104	180	.583	270	.428
10	.735	100	.1	190	.724	280	.395
20	.595	110	.104	200	.940	290	.428
30	.409	120	.103	210	.993	300	.427
40	.273	130	.104	220	.965	310	.436
50	.184	140	.124	230	.839	320	.551
60	.125	150	.181	240	.55	330	.841
70	.104	160	.268	250	.436	340	.969
80	.103	170	.4	260	.427	350	1.0

Additional Azimuths

Degree	V _A
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Site 5: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1004791
Coordinates (NAD83)	Latitude	38° 14' 17.5" N+
	Longitude	093° 19' 06.9" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	114.0 meters
	Support Structure Height	109.7 meters
	Ground Elevation (AMSL)	267.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	92.2 meters
	Height of Radiation Center Above Average Terrain	119.1 meters
	Height of Radiation Center Above Mean Sea Level	359.8 meters
	Effective Radiated Power	25.4 kW

Site 5: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001403
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JA/LS-16/22 SHBP-S
	Electrical Beam Tilt	1.6
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	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	.373	90	.775	180	.209	270	.863
10	.394	100	.642	190	.199	280	.993
20	.397	110	.473	200	.189	290	.982
30	.437	120	.344	210	.188	300	.897
40	.6	130	.252	220	.223	310	.713
50	.84	140	.196	230	.303	320	.482
60	.957	150	.185	240	.416	330	.401
70	0.997	160	.195	250	.57	340	.394
80	.935	170	.205	260	.73	350	.385

Additional Azimuths

Degree	V _A
67	1
287	1

**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).	No
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.	Yes
	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.	Yes
	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 all of the following applicable rule sections. 47 C.F.R. Sections 74.709, 74.793 (e), 74.793(f), 74.793(g), 74.793(h)	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 these areas but meets the requirements of 47 C.F.R. Section 73.626(f)(2)
	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
	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). 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.	Yes

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.	Yes
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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.	No
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.	Robert Koplar <i>General Counsel</i> 06/28/2017

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>KRBK DTS Allocation Study.pdf</u>	Applicant	Technical Certifications	Allocation Considerations
<u>KRBK DTS Coverage Extension Justification.pdf</u>	Applicant	Technical Certifications	Exhibit - Justification for 47 C.F.R. Section 73.626 (c) Coverage Area
<u>KRBK LMS Updated BG.pdf</u>	Applicant	Technical Certifications	Section 73.625 DTV Coverage Exhibit
<u>KRBK Site 4 RFR Statement.pdf</u>	Applicant	Technical Certifications	RFR Statement of Compliance - DTS Site 4
<u>KRBK Sites 1 2 3 5 RFR Statement.pdf</u>	Applicant	Technical Certifications	RFR Statement of Compliance - DTS Sites 1, 2, 3 and 5
<u>MULTIPLE OWNERSHIP.pdf</u>	Applicant	Attributable Interest	Multiple ownership study not required.
<u>No local public notice required.pdf</u>	Applicant	Legal Certifications	No local public notice required.
<u>Site 1 KRBK Antenna Package.pdf</u>	Applicant	Antenna Technical Data	KRBK DTS Site 1 - Antenna Package
<u>Site 2 KRBK Antenna Package.pdf</u>	Applicant	Antenna Technical Data	KRBK DTS Site 2 - Antenna Package
<u>Site 3 KRBK Antenna Package.pdf</u>	Applicant	Antenna Technical Data	KRBK DTS Site 3 - Antenna Package
<u>Site 4 KRBK Antenna Package.pdf</u>	Applicant	Antenna Technical Data	KRBK DTS Site 4 - Antenna Package
<u>Site 5 KRBK Antenna Package.pdf</u>	Applicant	Antenna Technical Data	KRBK DTS Site 5 - Antenna Package