

### Amendment to Second Filing Window Expanded Facility Application

In connection with the Broadcast Television Incentive Auction (Auction 1000) the Commission initiated a transition period during which the facilities of broadcast television stations that received new channel assignments in the post-incentive auction repacking process will be reauthorized and relicensed. The first filing window closed on September 15, 2017. The original KRBK application was filed in accordance with the second filing window, which closed on November 2, 2017. This amendment is a minor change amendment relative to the licensed (FCC File No. BLCDT- 20120412ACM), repacked (FCC File No. 0000025322) and the pending (FCC File No. 0000034148) KRBK technical facility. The purpose of this amendment is to convert KRBK-DT, Channel 22, back into a conventional DTV facility and abandon the multi-site DTS facility.

### Post-Transition DTV Considerations

A study was performed using the FCC's software program, *tvstudy*, v.2.2.3, to ensure that the technical facility proposed herein protects the facilities proposed in the first priority filing window, whether those stations' applications have been granted or remain pending while protecting the construction permit facilities of reassigned stations and band changing stations filed in the initial 90-day filing window, whether those stations' applications have been granted or remain pending. Further, the instant proposal protects the facilities specified in applications filed before the April 2013 freeze with "cut-off" protection.

As demonstrated in the attached study results, the instant proposal is predicted to cause no new interference exceeding 0.5% to the populations served by any of the relevant protections discussed above. Accordingly, the instant proposal satisfies all applicable DTV interference criteria.

#### International DTV Considerations

As shown in the attached study, the transmitter site specified herein not within 320 kilometers of either the common border between the United States of America and Canada or between the USA and Mexico. Therefore, international notification and coordination of the instant proposal is not required.

tvstudy v2.2.3 (DAezul)  
Database: localhost, Study: KRBK 22 DTV DA 1MW O, Model: Longley-Rice  
Start: 2017.11.21 15:03:23

Study created: 2017.11.21 15:03:01

Study build station data: LMS TV 2017-11-21 (23)

Proposal: KRBK D22 DT APP OSAGE BEACH, MO  
File number: KRBK 22 DTV DA 1MW O  
Facility ID: 166319  
Station data: User record  
Record ID: 311  
Country: U.S.  
Zone: II

Search options:  
Non-U.S. records included  
Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDT20090225AAV	272.4 km
KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDT20021127AGL	277.2
KODE-TV	D23	DT	APP	JOPLIN, MO	BLANK0000034841	143.1
KODE-TV	D23	DT	CP	JOPLIN, MO	BLANK0000028345	141.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22  
Latitude: 37 13 9.40 N (NAD83)  
Longitude: 92 56 57.40 W  
Height AMSL: 1032.0 m  
HAAT: 590.0 m  
Peak ERP: 1000 kW  
Antenna: DIE-TFU-28DSC/VP-R W (ID 1002200) 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.75

39.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	857 kW	595.8 m	122.1 km
45.0	942	593.1	122.9
90.0	889	561.0	120.4
135.0	942	557.5	120.7
180.0	857	579.4	121.2
225.0	125	598.4	104.7
270.0	75.6	617.4	101.2
315.0	125	619.4	105.6

ERP exceeds maximum  
ERP: 1000 kW ERP maximum: 338 kW

\*\*Proposal service area extends beyond baseline plus 1.0%  
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 990.8 km

Distance to Mexican border: 1138.7 km

Conditions at FCC monitoring station: Grand Island NE  
Bearing: 312.7 degrees Distance: 626.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 290.6 degrees Distance: 1111.9 km

Study cell size: 2.00 km  
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLCDDT20090225AAV LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDDT20090225AAV	
Undesireds:	KRBK	D22	DD	BL	OSAGE BEACH, MO	DTVBL166319	332.9 km
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	272.4
	KKYK-CD	D21	DC	CP	LITTLE ROCK, AR	BLANK0000029217	0.7
	KMCT-TV	D22	DT	CP	WEST MONROE, LA	BLANK0000026257	256.6
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDDT20021127AGL	319.7
	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDDT20120516ABW	401.4
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	44308.8 1,257,777	42418.5	1,234,933	42008.8	1,227,918	41598.3 1,223,863	0.98 0.33

Undesired	Total IX		Unique IX, before		Unique IX, after	
KRBK D22 DD BL	8.1	207	4.0	207		
KRBK D22 DT APP	482.7	5,274			414.5	4,262
KKYK-CD D21 DC CP	12.1	10	12.1	10	12.1	10
KMCT-TV D22 DT CP	28.0	42	16.0	16	16.0	16
KOKI-TV D22 DT LIC	357.6	6,746	345.6	6,743	281.4	5,731
KETK-TV D22 DT LIC	24.0	36	12.0	13	12.0	13

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Interference to BLCDDT20021127AGL LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDDT20021127AGL	
Undesireds:	KRBK	D22	DD	BL	OSAGE BEACH, MO	DTVBL166319	285.0 km
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	277.2
	KHBS	D21	DT	LIC	FORT SMITH, AR	BLCDDT20031121AMR	139.5
	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDDT20090225AAV	319.7
	KSNC	D22	DT	LIC	GREAT BEND, KS	BLCDDT20081112AIQ	382.5
	KAUZ-TV	D22	DT	LIC	WICHITA FALLS, TX	BLCDDT20090724ACR	351.7
	KODE-TV	D23	DT	APP	JOPLIN, MO	BLANK0000034841	153.9
	KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDDT20140530AFS	170.0
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	37671.9 1,366,220	36775.1	1,352,227	35284.7	1,331,524	35276.7 1,331,473	0.02 0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KRBK D22 DD BL	60.0	1,119	16.0	566		
KRBK D22 DT APP	80.1	1,291			24.0	617
KHBS D21 DT LIC	795.1	11,368	597.4	7,169	597.4	7,169
KATV D22 DT LIC	270.0	5,426	72.3	1,528	64.3	1,435
KSNC D22 DT LIC	8.0	1	4.0	0	4.0	0
KAUZ-TV D22 DT LIC	44.3	142	36.3	47	36.3	47
KODE-TV D23 DT APP	478.3	6,462	446.4	6,325	454.3	6,344
KSBI D23 DT LIC	80.4	674	72.3	579	72.3	579

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Interference to BLCDDT20021127AGL LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDDT20021127AGL	
Undesireds:	KRBK	D22	DD	BL	OSAGE BEACH, MO	DTVBL166319	285.0 km
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	277.2
	KHBS	D21	DT	LIC	FORT SMITH, AR	BLCDDT20031121AMR	139.5
	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDDT20090225AAV	319.7
	KSNC	D22	DT	LIC	GREAT BEND, KS	BLCDDT20081112AIQ	382.5

KAUZ-TV	D22	DT	LIC	WICHITA FALLS, TX	BLCDT20090724ACR	351.7
KODE-TV	D23	DT	CP	JOPLIN, MO	BLANK0000028345	154.9
KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDT20140530AFS	170.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37671.9	1,366,220	36775.1	1,352,227	35531.8	1,334,671	35527.8	1,334,623	0.01	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
KRBK D22 DD BL	60.0	1,119		27.9		570	
KRBK D22 DT APP	80.1	1,291				32.0	618
KHBS D21 DT LIC	795.1	11,368		597.4	7,169	597.4	7,169
KATV D22 DT LIC	270.0	5,426		72.3	1,528	64.3	1,435
KSNC D22 DT LIC	8.0	1		4.0	0	4.0	0
KAUZ-TV D22 DT LIC	44.3	142		36.3	47	36.3	47
KODE-TV D23 DT CP	219.2	3,311		199.2	3,178	203.2	3,194
KSBI D23 DT LIC	80.4	674		72.3	579	72.3	579

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Interference to BLANK0000034841 APP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KODE-TV	D23	DT	APP	JOPLIN, MO	BLANK0000034841	
Undesireds:	KRBK	D22	DD	BL	OSAGE BEACH, MO	DTVBL166319	134.0 km
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	143.1
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDT20021127AGL	153.9
	KETC	D23	DT	APP	ST. LOUIS, MO	BLANK0000034609	397.2
	KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDT20140530AFS	309.9
	KKAF-CD	D24	DC	CP	SILOAM SPRINGS, AR	BLANK0000025891	102.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
32417.1	792,668	31783.6	782,201	31042.0	767,643	31020.4	766,825	0.07	0.11

Undesired		Total IX		Unique IX, before		Unique IX, after	
KRBK D22 DD BL	214.5	1,809		214.5		1,809	
KRBK D22 DT APP	240.1	2,661				236.1	2,627
KOKI-TV D22 DT LIC	131.6	3,761		87.8	2,708	87.8	2,708
KETC D23 DT APP	4.0	34		4.0	34	0.0	0
KSBI D23 DT LIC	263.4	2,665		203.6	1,107	203.6	1,107
KKAF-CD D24 DC CP	187.9	7,847		172.0	7,342	172.0	7,342

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Interference to BLANK0000034841 APP, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KODE-TV	D23	DT	APP	JOPLIN, MO	BLANK0000034841	
Undesireds:	KRBK	D22	DD	BL	OSAGE BEACH, MO	DTVBL166319	134.0 km
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	143.1
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDT20021127AGL	153.9
	KETC	D23	DT	APP	ST. LOUIS, MO	BLANK0000034609	397.2
	KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDT20140530AFS	309.9
	KKAF-CD	D24	DC	APP	SILOAM SPRINGS, AR	BLANK0000034437	108.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
32417.1	792,668	31783.6	782,201	31142.0	770,788	31120.4	769,970	0.07	0.11

Undesired		Total IX		Unique IX, before		Unique IX, after	
KRBK D22 DD BL	214.5	1,809		214.5		1,809	
KRBK D22 DT APP	240.1	2,661				236.1	2,627
KOKI-TV D22 DT LIC	131.6	3,761		87.8	2,708	87.8	2,708
KETC D23 DT APP	4.0	34		4.0	34	0.0	0
KSBI D23 DT LIC	263.4	2,665		219.5	1,612	219.5	1,612
KKAF-CD D24 DC APP	72.0	4,197		72.0	4,197	72.0	4,197

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Interference to BLANK0000028345 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KODE-TV	D23	DT	CP	JOPLIN, MO	BLANK0000028345	

Undesireds:	KRBK	D22	DD	BL	OSAGE BEACH, MO	DTVBL166319	132.7 km
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	141.6
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDDT20021127AGL	154.9
	KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDDT20140530AFS	311.2
	KKAF-CD	D24	DC	CP	SILOAM SPRINGS, AR	BLANK0000025891	102.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
26500.3	619,816	26233.3	616,615	25962.1	614,544	25937.6	613,080	0.09 0.24

Undesired		Total IX		Unique IX, before		Unique IX, after
KRBK D22 DD BL	75.5	330	75.5	330		
KRBK D22 DT APP	100.0	1,794			100.0	1,794
KOKI-TV D22 DT LIC	55.8	770	27.9	552	27.9	552
KSBI D23 DT LIC	163.7	1,151	135.8	933	135.8	933
KKAF-CD D24 DC CP	4.0	38	4.0	38	4.0	38

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Interference to BLANK0000028345 CP, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KODE-TV	D23	DT	CP	JOPLIN, MO	BLANK0000028345	
Undesireds:	KRBK	D22	DD	BL	OSAGE BEACH, MO	DTVBL166319	132.7 km
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	141.6
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDDT20021127AGL	154.9
	KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDDT20140530AFS	311.2
	KKAF-CD	D24	DC	APP	SILOAM SPRINGS, AR	BLANK0000034437	107.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
26500.3	619,816	26233.3	616,615	25950.1	611,541	25925.6	610,077 0.09 0.24

Undesired		Total IX		Unique IX, before		Unique IX, after
KRBK D22 DD BL	75.5	330	75.5	330		
KRBK D22 DT APP	100.0	1,794			100.0	1,794
KOKI-TV D22 DT LIC	55.8	770	27.9	552	27.9	552
KSBI D23 DT LIC	163.7	1,151	135.8	933	135.8	933
KKAF-CD D24 DC APP	16.0	3,041	16.0	3,041	16.0	3,041

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Interference to proposal, scenario 1  
\*\*MX: 3.29% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	
Undesireds:	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDDT20090225AAV	272.4 km
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDDT20021127AGL	277.2
	KODE-TV	D23	DT	APP	JOPLIN, MO	BLANK0000034841	143.1
Service area		Terrain-limited		IX-free		Percent IX	
41547.1	983,888	40782.8	966,187	39732.2	934,380	2.58 3.29	

Undesired		Total IX		Unique IX		Prct Unique IX
KATV D22 DT LIC	522.9	18,035	459.0	13,263	1.13	1.37
KOKI-TV D22 DT LIC	403.6	15,335	163.6	1,774	0.40	0.18
KODE-TV D23 DT APP	364.1	11,998	188.0	3,209	0.46	0.33

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Interference to proposal, scenario 2  
3.24% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRBK	D22	DT	APP	OSAGE BEACH, MO	KRBK 22 DTV DA 1MW O	
Undesireds:	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDDT20090225AAV	272.4 km
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDDT20021127AGL	277.2
	KODE-TV	D23	DT	CP	JOPLIN, MO	BLANK0000028345	141.6
Service area		Terrain-limited		IX-free		Percent IX	
41547.1	983,888	40782.8	966,187	39784.3	934,844	2.45 3.24	

Undesired		Total IX		Unique IX	Prcnt Unique IX	
KATV D22 DT LIC	522.9	18,035	459.0	13,263	1.13	1.37
KOKI-TV D22 DT LIC	403.6	15,335	167.6	2,518	0.41	0.26
KODE-TV D23 DT CP	308.0	10,790	135.9	2,745	0.33	0.28