tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: KBTR 15 KW CP DA B, Model: Longley-Rice
Start: 2017.10.30 18:37:34

Study created: 2017.10.30 18:35:13

Study build station data: LMS TV 2017-10-30 (42)

    Proposal: KBTR-CD D36 DC APP BATON ROUGE, LA
 File number: KBTR 15 KW CP DA B
 Facility ID: 24977
Station data: User record
   Record ID: 1223
     Country: U.S.

Build options:
Protect LPTV records from Class A

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	142.1 km
KGLA-DT	D35	DT	CP	HAMMOND, LA	BLANK0000028477	129.8
KGLA-DT	D35	DT	BL	HAMMOND, LA	DTVBL83945	129.8
K36MG-D	D36	LD	LIC	CROWLEY, LA	BLANK0000013195	78.7
K36MG-D	D36	LD	CP	CROWLEY, LA	BLANK0000013252	31.2
WLOO	D36	DT	CP	VICKSBURG, MS	BLANK0000025168	212.2
WLOO	D36	DT	BL	VICKSBURG, MS	DTVBL84253	212.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D36
       Mask: Stringent
   Latitude: 30 25 57.00 N (NAD83)
  Longitude: 91 11 7.00 W
Height AMSL: 197.6 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: PSI-PSILP12OI (ID 20364) 80.0 deg
Elev Pattrn: Generic

50.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.56 kW	179.2 m	45.3 km
45.0	13.0	181.6	48.2
90.0	15.0	183.9	49.0
135.0	10.7	190.6	47.7
180.0	5.95	191.1	44.7
225.0	5.95	192.2	44.8
270.0	6.73	193.9	45.5
315.0	5.40	190.5	44.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 188 m

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

Distance to Canadian border: 1462.9 km

Distance to Mexican border: 749.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 56.2 degrees   Distance: 717.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 314.1 degrees   Distance: 1664.2 km

Study cell size: 1.00 km
Profile point spacing: 0.50 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLCDT20090924AAC LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	142.1 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	142.1
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	140.8
	KGLA-DT	D35	DT	CP	HAMMOND, LA	BLANK0000028477	271.5
	KPRC-TV	D35	DT	LIC	HOUSTON, TX	BLCDT19991022ABJ	331.3
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	201.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39170.0	945,593	38972.2	943,986	38606.8	937,148	38606.8	937,148	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	19.0	388	0.0	0		
KBTR-CD D36 DC APP	24.0	483			0.0	0
WVLA-TV D34 DT LIC	197.1	5,009	150.6	4,161	145.6	4,066
KGLA-DT D35 DT CP	55.0	552	26.4	92	26.4	92
KPRC-TV D35 DT LIC	141.9	1,737	141.9	1,737	141.9	1,737

Interference to BLCDT20090924AAC LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	142.1 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	142.1
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	140.8
	KGLA-DT	D35	DT	BL	HAMMOND, LA	DTVBL83945	271.6
	KPRC-TV	D35	DT	LIC	HOUSTON, TX	BLCDT19991022ABJ	331.3
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	201.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39170.0	945,593	38972.2	943,986	38605.7	937,148	38605.7	937,148	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	19.0	388	0.0	0		
KBTR-CD D36 DC APP	24.0	483			0.0	0
WVLA-TV D34 DT LIC	197.1	5,009	151.6	4,161	146.6	4,066
KGLA-DT D35 DT BL	55.0	552	27.4	92	27.4	92
KPRC-TV D35 DT LIC	141.9	1,737	141.9	1,737	141.9	1,737

Interference to BLANK0000028477 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGLA-DT	D35	DT	CP	HAMMOND, LA	BLANK0000028477	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	129.8 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	129.8
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	134.1
	WJTC	D35	DT	CP	PENSACOLA, FL	BLANK0000027702	238.9
	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	271.5
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	12.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24761.5	1,635,902	24760.5	1,635,890	24671.1	1,633,439	24670.1	1,633,431	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	3.0	12	2.0	12		
KBTR-CD D36 DC APP	6.0	208			3.0	20
WVLA-TV D34 DT LIC	38.1	2,056	37.1	2,056	35.1	1,868
WJTC D35 DT CP	49.3	383	40.1	364	40.1	364
KALB-TV D35 DT LIC	10.2	19	0.0	0	0.0	0

Interference to BLANK0000028477 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGLA-DT	D35	DT	CP	HAMMOND, LA	BLANK0000028477	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	129.8 km

	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	129.8
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	134.1
	WJTC	D35	DT	BL	PENSACOLA, FL	DTVBL41210	238.9
	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	271.5
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	12.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24761.5	1,635,902	24760.5	1,635,890	24671.1	1,633,439	24670.1	1,633,431	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	3.0	12	2.0	12		
KBTR-CD D36 DC APP	6.0	208			3.0	20
WVLA-TV D34 DT LIC	38.1	2,056	37.1	2,056	35.1	1,868
WJTC D35 DT BL	49.3	383	40.1	364	40.1	364
KALB-TV D35 DT LIC	10.2	19	0.0	0	0.0	0

Interference to DTVBL83945 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGLA-DT	D35	DT	BL	HAMMOND, LA	DTVBL83945	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	129.8 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	129.8
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	134.1
	WJTC	D35	DT	CP	PENSACOLA, FL	BLANK0000027702	238.9
	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	271.6
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	12.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
25223.8	1,647,869	25223.8	1,647,869	25128.4	1,645,356	25127.4	1,645,348	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	3.0	12	2.0	12		
KBTR-CD D36 DC APP	6.0	208			3.0	20
WVLA-TV D34 DT LIC	36.1	2,056	34.0	2,042	32.0	1,854
WJTC D35 DT CP	57.3	445	49.1	426	49.1	426
KALB-TV D35 DT LIC	10.2	33	0.0	0	0.0	0

Interference to DTVBL83945 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGLA-DT	D35	DT	BL	HAMMOND, LA	DTVBL83945	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	129.8 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	129.8
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	134.1
	WJTC	D35	DT	BL	PENSACOLA, FL	DTVBL41210	238.9
	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	271.6
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	12.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
25223.8	1,647,869	25223.8	1,647,869	25128.4	1,645,356	25127.4	1,645,348	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	3.0	12	2.0	12		
KBTR-CD D36 DC APP	6.0	208			3.0	20
WVLA-TV D34 DT LIC	36.1	2,056	34.0	2,042	32.0	1,854
WJTC D35 DT BL	57.3	445	49.1	426	49.1	426
KALB-TV D35 DT LIC	10.2	33	0.0	0	0.0	0

Interference to BLANK0000013195 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K36MG-D	D36	LD	LIC	CROWLEY, LA	BLANK0000013195	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	78.7 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	78.7
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	299.2
	W36AC	D36z	LD	CP	MCCOMB, MS	BLANK0000022312	173.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
825.0	207,348	825.0	207,348	766.9	206,652	764.9	206,616	0.26	0.02

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	58.0	696	58.0	696		
KBTR-CD D36 DC APP	60.0	732			60.0	732

Interference to BLANK0000013252 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K36MG-D	D36	LD	CP	CROWLEY, LA	BLANK0000013252	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	31.2 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	31.2
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	317.0
	W36AC	D36z	LD	CP	MCCOMB, MS	BLANK0000022312	126.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4005.8	172,622	4005.8	172,622	805.9	6,796	761.9	6,661	5.46	1.99

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	3199.9	165,826	3199.9	165,826		
KBTR-CD D36 DC APP	3243.9	165,961			3243.9	165,961

Interference to BLANK0000025168 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLOO	D36	DT	CP	VICKSBURG, MS	BLANK0000025168	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	212.2 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	212.2
	WSES	D36	DT	CP	TUSCALOOSA, AL	BLANK0000025695	309.5
	KLMB-CD	D36z	DC	CP	EL DORADO, AR	BLANK0000025341	239.4
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	258.5
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	319.1
	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	239.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40170.5	914,569	39981.6	912,711	39872.2	911,941	39868.1	911,888	0.01	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	7.1	3	7.1	3		
KBTR-CD D36 DC APP	11.2	56			11.2	56
WSES D36 DT CP	85.4	756	77.4	692	77.4	692
WMAV-TV D36 DT LIC	24.9	75	16.9	11	16.9	11

Interference to BLANK0000025168 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLOO	D36	DT	CP	VICKSBURG, MS	BLANK0000025168	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	212.2 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	212.2
	WSES	D36	DT	APP	TUSCALOOSA, AL	BLANK0000034330	309.5
	KLMB-CD	D36z	DC	CP	EL DORADO, AR	BLANK0000025341	239.4
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	258.5
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	319.1
	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	239.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40170.5	914,569	39981.6	912,711	39736.5	910,750	39732.5	910,697	0.01	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	7.1	3	7.1	3		
KBTR-CD D36 DC APP	11.2	56			11.2	56
WSES D36 DT APP	222.0	1,947	213.1	1,883	213.1	1,883
WMAV-TV D36 DT LIC	24.9	75	15.9	11	15.9	11

Interference to BLANK0000025168 CP, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLOO	D36	DT	CP	VICKSBURG, MS	BLANK0000025168	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	212.2 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	212.2
	WSES	D36	DT	BL	TUSCALOOSA, AL	DTVBL21258	309.5
	KLMB-CD	D36z	DC	CP	EL DORADO, AR	BLANK0000025341	239.4
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	258.5
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	319.1
	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	239.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40170.5	914,569	39981.6	912,711	39882.2	911,989	39878.2	911,936	0.01	0.01

Undesired	Total IX	Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	7.1	3	7.1	3	
KBTR-CD D36 DC APP	11.2	56		11.2	56
WSES D36 DT BL	75.3	708	67.3	644	67.3	644
WMAV-TV D36 DT LIC	24.9	75	16.9	11	16.9	11

Interference to DTVBL84253 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLOO	D36	DT	BL	VICKSBURG, MS	DTVBL84253	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	212.2 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	212.2
	WSES	D36	DT	CP	TUSCALOOSA, AL	BLANK0000025695	309.5
	KLMB-CD	D36z	DC	CP	EL DORADO, AR	BLANK0000025341	239.4
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	258.5
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	319.1
	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	239.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40224.0	916,562	40038.1	914,691	39933.7	913,856	39929.6	913,803	0.01	0.01

Undesired	Total IX	Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	6.1	0	6.1	0	
KBTR-CD D36 DC APP	10.2	53		10.2	53
WSES D36 DT CP	84.4	824	76.4	758	76.4	758
WMAV-TV D36 DT LIC	21.9	77	13.9	11	13.9	11

Interference to DTVBL84253 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLOO	D36	DT	BL	VICKSBURG, MS	DTVBL84253	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	212.2 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	212.2
	WSES	D36	DT	APP	TUSCALOOSA, AL	BLANK0000034330	309.5
	KLMB-CD	D36z	DC	CP	EL DORADO, AR	BLANK0000025341	239.4
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	258.5
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	319.1
	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	239.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40224.0	916,562	40038.1	914,691	39796.0	912,662	39791.9	912,609	0.01	0.01

Undesired	Total IX	Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	6.1	0	6.1	0	
KBTR-CD D36 DC APP	10.2	53		10.2	53
WSES D36 DT APP	223.1	2,018	214.1	1,952	214.1	1,952
WMAV-TV D36 DT LIC	21.9	77	13.0	11	13.0	11

Interference to DTVBL84253 BL, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLOO	D36	DT	BL	VICKSBURG, MS	DTVBL84253	
Undesireds:	KBTR-CD	D36	DC	BL	BATON ROUGE, LA	DTVBL24977	212.2 km
	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	212.2
	WSES	D36	DT	BL	TUSCALOOSA, AL	DTVBL21258	309.5
	KLMB-CD	D36z	DC	CP	EL DORADO, AR	BLANK0000025341	239.4
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	258.5
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	319.1
	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	239.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40224.0	916,562	40038.1	914,691	39941.7	913,888	39937.7	913,835	0.01	0.01

Undesired	Total IX	Unique IX, before		Unique IX, after	
KBTR-CD D36 DC BL	6.1	0	6.1	0	
KBTR-CD D36 DC APP	10.2	53		10.2	53
WSES D36 DT BL	76.3	792	68.3	726	68.3	726
WMAV-TV D36 DT LIC	21.9	77	13.9	11	13.9	11

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTR-CD	D36	DC	APP	BATON ROUGE, LA	KBTR 15 KW CP DA B	
Undesireds:	KGLA-DT	D35	DT	CP	HAMMOND, LA	BLANK0000028477	129.8 km
	KLMB-CD	D36z	DC	CP	EL DORADO, AR	BLANK0000025341	338.1
	WBXN-CD	D36	DC	CP	NEW ORLEANS, LA	BLANK0000028047	124.7
	KADO-CD	D36	DC	CP	SHREVEPORT, LA	BLANK0000027133	335.0
	WLOO	D36	DT	CP	VICKSBURG, MS	BLANK0000025168	212.2

Service area		Terrain-limited		IX-free		Percent IX	
6712.2	746,059	6712.2	746,059	6712.2	746,059	0.00	0.00