

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: KHPL-CD, Model: Longley-Rice
Start: 2017.09.05 14:38:12

Study created: 2017.09.05 14:26:12

Study build station data: LMS TV 2017-08-29 (39)

Proposal: KHPL-CD D15 DC CP LA GRANGE, TX
File number: BLANK0000027635
Facility ID: 35913
Station data: User record
Record ID: 1271
Country: U.S.

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KBTX-TV	D14	DT	CP	BRYAN, TX	BLANK0000025117	108.4 km
KBTX-TV	D14	DT	BL	BRYAN, TX	DTVBL6669	108.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Mask: Stringent
Latitude: 29 54 45.70 N (NAD83)
Longitude: 96 52 53.80 W
Height AMSL: 126.0 m
HAAT: 0.0 m
Peak ERP: 0.023 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.5

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.023 kW	25.1 m	7.5 km
45.0	0.023	-15.3	7.5
90.0	0.023	21.5	7.5
135.0	0.023	45.7	9.2
180.0	0.023	9.7	7.5
225.0	0.023	23.7	7.5
270.0	0.023	20.2	7.5
315.0	0.023	40.1	8.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 21 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: 1815.1 km

Distance to Mexican border: 364.6 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 199.8 degrees Distance: 291.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 328.5 degrees Distance: 1363.6 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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%

Interference to BLANK0000025117 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	CP	BRYAN, TX	BLANK0000025117	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.4 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.4
	KLWB	D14	DT	CP	NEW IBERIA, LA	BLANK0000025239	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1
	KRHD-CD	D15	DC	CP	BRYAN, TX	BLANK0000024778	47.5
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37992.7	4,117,322	37904.7	4,114,578	37214.2	4,109,493	37214.2	4,109,493	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KHPL-CD D15 DC BL	40.3	660	0.0	0		
KHPL-CD D15 DC CP	48.3	892			0.0	0
KLWB D14 DT CP	12.0	122	8.0	69	8.0	69
KERA-TV D14 DT LIC	333.3	1,523	321.3	1,430	321.3	1,430
KWEX-DT D14 DT BL	341.2	3,482	293.0	2,782	284.9	2,550
KRHD-CD D15 DC CP	16.0	51	16.0	51	16.0	51

Interference to BLANK0000025117 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	CP	BRYAN, TX	BLANK0000025117	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.4 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.4
	KLWB	D14	DT	BL	NEW IBERIA, LA	DTVBL82476	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1
	KRHD-CD	D15	DC	CP	BRYAN, TX	BLANK0000024778	47.5
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37992.7	4,117,322	37904.7	4,114,578	37214.2	4,109,493	37214.2	4,109,493	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KHPL-CD D15 DC BL	40.3	660	0.0	0		
KHPL-CD D15 DC CP	48.3	892			0.0	0
KLWB D14 DT BL	12.0	122	8.0	69	8.0	69
KERA-TV D14 DT LIC	333.3	1,523	321.3	1,430	321.3	1,430
KWEX-DT D14 DT BL	341.2	3,482	293.0	2,782	284.9	2,550
KRHD-CD D15 DC CP	16.0	51	16.0	51	16.0	51

Interference to BLANK0000025117 CP, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	CP	BRYAN, TX	BLANK0000025117	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.4 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.4
	KLWB	D14	DT	CP	NEW IBERIA, LA	BLANK0000025239	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1
	KRHD-CD	D15	DC	BL	BRYAN, TX	DTVBL68538	47.5
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37992.7 4,117,322	37904.7 4,114,578	37182.2 4,109,456	37182.2 4,109,456	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KHPL-CD D15 DC BL	40.3 660	0.0 0	
KHPL-CD D15 DC CP	48.3 892		0.0 0
KLWB D14 DT CP	12.0 122	8.0 69	8.0 69
KERA-TV D14 DT LIC	333.3 1,523	321.3 1,430	321.3 1,430
KWEX-DT D14 DT BL	341.2 3,482	293.0 2,782	284.9 2,550
KRHD-CD D15 DC BL	47.9 88	47.9 88	47.9 88

Interference to BLANK0000025117 CP, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	CP	BRYAN, TX	BLANK0000025117	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.4 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.4
	KLWB	D14	DT	BL	NEW IBERIA, LA	DTVBL82476	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1
	KRHD-CD	D15	DC	BL	BRYAN, TX	DTVBL68538	47.5
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37992.7 4,117,322	37904.7 4,114,578	37182.2 4,109,456	37182.2 4,109,456	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KHPL-CD D15 DC BL	40.3 660	0.0 0	
KHPL-CD D15 DC CP	48.3 892		0.0 0
KLWB D14 DT BL	12.0 122	8.0 69	8.0 69
KERA-TV D14 DT LIC	333.3 1,523	321.3 1,430	321.3 1,430
KWEX-DT D14 DT BL	341.2 3,482	293.0 2,782	284.9 2,550
KRHD-CD D15 DC BL	47.9 88	47.9 88	47.9 88

Interference to DTVBL6669 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	BL	BRYAN, TX	DTVBL6669	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.5 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.5
	KLWB	D14	DT	CP	NEW IBERIA, LA	BLANK0000025239	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1

KRHD-CD	D15	DC	CP	BRYAN, TX	BLANK0000024778	47.5
KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37577.5	4,048,516	37489.4	4,047,732	36798.9	4,043,028	36798.9	4,043,028	0.00	0.00

Undesired				Total IX		Unique IX, before		Unique IX, after	
KHPL-CD	D15	DC	BL	36.2	440	0.0	0		
KHPL-CD	D15	DC	CP	40.3	638			0.0	0
KLWB	D14	DT	CP	4.0	53	0.0	0	0.0	0
KERA-TV	D14	DT	LIC	333.4	1,397	313.4	1,280	313.4	1,280
KWEX-DT	D14	DT	BL	361.2	3,343	304.9	2,816	300.9	2,618
KRHD-CD	D15	DC	CP	16.0	51	12.0	28	12.0	28

Interference to DTVBL6669 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	BL	BRYAN, TX	DTVBL6669	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.5 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.5
	KLWB	D14	DT	BL	NEW IBERIA, LA	DTVBL82476	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1
	KRHD-CD	D15	DC	CP	BRYAN, TX	BLANK0000024778	47.5
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37577.5	4,048,516	37489.4	4,047,732	36798.9	4,043,028	36798.9	4,043,028	0.00	0.00

Undesired				Total IX		Unique IX, before		Unique IX, after	
KHPL-CD	D15	DC	BL	36.2	440	0.0	0		
KHPL-CD	D15	DC	CP	40.3	638			0.0	0
KLWB	D14	DT	BL	4.0	53	0.0	0	0.0	0
KERA-TV	D14	DT	LIC	333.4	1,397	313.4	1,280	313.4	1,280
KWEX-DT	D14	DT	BL	361.2	3,343	304.9	2,816	300.9	2,618
KRHD-CD	D15	DC	CP	16.0	51	12.0	28	12.0	28

Interference to DTVBL6669 BL, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	BL	BRYAN, TX	DTVBL6669	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.5 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.5
	KLWB	D14	DT	CP	NEW IBERIA, LA	BLANK0000025239	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1
	KRHD-CD	D15	DC	BL	BRYAN, TX	DTVBL68538	47.5
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37577.5	4,048,516	37489.4	4,047,732	36775.0	4,042,991	36775.0	4,042,991	0.00	0.00

Undesired				Total IX		Unique IX, before		Unique IX, after	
KHPL-CD	D15	DC	BL	36.2	440	0.0	0		
KHPL-CD	D15	DC	CP	40.3	638			0.0	0
KLWB	D14	DT	CP	4.0	53	0.0	0	0.0	0
KERA-TV	D14	DT	LIC	333.4	1,397	313.4	1,280	313.4	1,280
KWEX-DT	D14	DT	BL	361.2	3,343	304.9	2,816	300.9	2,618
KRHD-CD	D15	DC	BL	39.9	88	35.9	65	35.9	65

Interference to DTVBL6669 BL, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTX-TV	D14	DT	BL	BRYAN, TX	DTVBL6669	
Undesireds:	KHPL-CD	D15	DC	BL	LA GRANGE, TX	DTVBL35913	108.5 km
	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	108.5
	KLWB	D14	DT	BL	NEW IBERIA, LA	DTVBL82476	390.5
	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	237.9
	KWEX-DT	D14	DT	BL	SAN ANTONIO, TX	DTVBL35881	256.3
	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	202.1
	KRHD-CD	D15	DC	BL	BRYAN, TX	DTVBL68538	47.5
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	175.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37577.5	4,048,516	37489.4	4,047,732	36775.0	4,042,991	36775.0	4,042,991	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KHPL-CD D15 DC BL	36.2	440	0.0	0		
KHPL-CD D15 DC CP	40.3	638			0.0	0
KLWB D14 DT BL	4.0	53	0.0	0	0.0	0
KERA-TV D14 DT LIC	333.4	1,397	313.4	1,280	313.4	1,280
KWEX-DT D14 DT BL	361.2	3,343	304.9	2,816	300.9	2,618
KRHD-CD D15 DC BL	39.9	88	35.9	65	35.9	65

Interference to proposal, scenario 1

2.13% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	
Undesireds:	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	280.4 km
	KRHD-CD	D15	DC	CP	BRYAN, TX	BLANK0000024778	101.9
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	280.0
	KVDA	D15	DT	CP	SAN ANTONIO, TX	BLANK0000026831	149.8

Service area		Terrain-limited		IX-free		Percent IX	
193.4	7,784	193.4	7,784	185.3	7,618	4.17	2.13

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KVDA D15 DT CP	8.1	166	8.1	166	4.17	2.13

Interference to proposal, scenario 2

2.13% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHPL-CD	D15	DC	CP	LA GRANGE, TX	BLANK0000027635	
Undesireds:	KFDM	D15	DT	CP	BEAUMONT, TX	BLANK0000024770	280.4 km
	KRHD-CD	D15	DC	CP	BRYAN, TX	BLANK0000024778	101.9
	KYTX	D15	DT	CP	NACOGDOCHES, TX	BLANK0000027990	280.0
	KVDA	D15	DT	BL	SAN ANTONIO, TX	DTVBL64969	149.8

Service area		Terrain-limited		IX-free		Percent IX	
193.4	7,784	193.4	7,784	185.3	7,618	4.17	2.13

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KVDA D15 DT BL	8.1	166	8.1	166	4.17	2.13