

Note:
Study cell size: 1.00 km
Profile point spacing: 0.10 km

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K18JK_CH33_Hgt_Omni_Pre, Model: Longley-Rice
Start: 2019.04.17 19:27:41

Study created: 2019.04.17 18:41:38

Study build station data: LMS TV 2019-04-16

Proposal: K18JK-D D33 LD APP Beaumont, TX
File number: K18JK_CH33_Hgt_Omni
Facility ID: 182045
Station data: User record
Record ID: 824
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W32EC-D	D32	LD	CP	IOWA, LA	BNPDTL20100407ABY	101.7 km
No	KXKW-LD	D32	LD	CP	LAFAYETTE, LA	BPDTL20110830ABR	196.3
No	W32EB-D	D32	LD	CP	SULPHUR, LA	BNPDTL20100407AAZ	53.1
Yes	KAOB-LD	D32	LD	CP	BEAUMONT, TX	BLANK0000051878	7.0
No	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000035588	156.9
No	KLNM-LD	D32	LD	CP	LUFKIN, TX	BLANK0000053922	156.0
No	K40KX-D	D32	LD	CP	MADISONVILLE, TX	BLANK0000054554	209.6
No	K32KD-D	D32	LD	CP	WOODVILLE, TX	BNPDTL20100310AAS	89.0
No	K33MP-D	D33	LD	LIC	ALEXANDRIA, LA	BLANK0000014176	201.8
Yes	KLPA-TV	D33	DT	LIC	ALEXANDRIA, LA	BLANK0000063603	216.0
No	K33MS-D	D33	LD	CP	MONROE, LA	BLANK0000036216	321.4
No	WPXL-TV	D33	DT	CP	NEW ORLEANS, LA	BLANK0000053808	388.0
No	WQDT-LD	D33	LD	LIC	LUMBERTON, MS	BLANK0000018418	364.7
No	KVUE	D33	DT	LIC	AUSTIN, TX	BLCDT20050624AAI	368.4
Yes	KTBU	D33	DT	CP	CONROE, TX	BLANK0000034102	157.6
No	KUVN-DT	D33	DT	CP	GARLAND, TX	BLANK0000063068	399.3
No	KPKN-LD	D33	LD	LIC	TYLER, TX	BLANK0000008908	277.6
No	KQZY-LP	D33	LD	LIC	VICTORIA, TX	BLANK0000001557	333.1
No	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	261.4
No	KSWL-LD	D34	LD	LIC	LAKE CHARLES, LA	BLANK0000067198	66.7
Yes	K34LK-D	D34	LD	CP	BEAUMONT, TX	BNPDTL20090826ACT	8.7
Yes	NEW	D34	LD	APP	BEAUMONT, TX	BNPDTL20090825AYC	14.7
No	KIAH	D34	DT	CP	HOUSTON, TX	BLANK0000035711	156.4
No	KVHP-LD	D34	LD	CP	JASPER, TX	BLANK0000054529	101.5
No	KUVM-CD	D34	DC	LIC	MISSOURI CITY, TX	BLDTA20121017ABA	157.6

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
KBED 1510 L DAD D NEDERLAND, TX BML20150929APZ
KBPO 1150 L DA2 D PORT NECHES, TX BMML20160815ACA
KBPO 1150 L DA2 N PORT NECHES, TX BMML20160815ACA

Record parameters as studied:

Channel: D33
Mask: Full Service
Latitude: 30 3 44.00 N (NAD83)
Longitude: 93 58 51.00 W
Height AMSL: 159.6 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	153.1 m	47.4 km
45.0	15.0	154.8	47.5
90.0	15.0	156.0	47.6
135.0	15.0	158.0	47.7
180.0	15.0	157.3	47.7
225.0	15.0	155.9	47.6
270.0	15.0	155.4	47.6
315.0	15.0	157.6	47.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 156 m

Distance to Canadian border: 1635.4 km

Distance to Mexican border: 538.3 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 233.5 degrees Distance: 479.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 320.7 degrees Distance: 1512.4 km

Study cell size: 1.00 km

Profile point spacing: 0.10 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000051878 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KAOB-LD	D32	LD	CP	BEAUMONT, TX	BLANK0000051878	
Undesireds:	K18JK-D	D33	LD	APP	Beaumont, TX	K18JK_CH33_Hgt_Omni	7.0 km
	W31EA-D	D31	LD	CP	VINTON, LA	BNPDTL20100407AAU	40.4
	KXKW-LD	D32	LD	CP	LAFAYETTE, LA	BPDTL20110830ABR	200.0
	KPXJ	D32	DT	APP	MINDEN, LA	BLANK0000071631	286.4
	W32EB-D	D32	LD	CP	SULPHUR, LA	BNPDTL20100407AAZ	56.0
	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000035588	154.6
	K32KD-D	D32	LD	CP	WOODVILLE, TX	BNPDTL20100310AAS	82.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	5375.9	374,825	5375.9	374,825	5111.0	370,934	0.16 0.04

Undesired	Total IX	Unique IX, before	Unique IX, after
K18JK-D D33 LD APP	9.0	135	8.0 135
W31EA-D D31 LD CP	18.0	1,062	1.0 8
W32EB-D D32 LD CP	94.2	2,085	77.1 1,031
KPXB-TV D32 DT LIC	155.7	922	155.7 922
K32KD-D D32 LD CP	14.0	876	14.0 876

Interference to BLANK0000063603 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLPA-TV	D33	DT	LIC	ALEXANDRIA, LA	BLANK0000063603	
Undesireds:	K18JK-D	D33	LD	APP	Beaumont, TX	K18JK_CH33_Hgt_Omni	216.0 km
	KPXJ	D32	DT	APP	MINDEN, LA	BLANK0000071631	180.3
	WPXL-TV	D33	DT	CP	NEW ORLEANS, LA	BLANK0000053808	304.2
	KTBU	D33	DT	CP	CONROE, TX	BLANK0000034102	360.5
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	183.5
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	28481.6	414,441	28410.4	413,928	28353.5	413,386	0.01 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
K18JK-D D33 LD APP	7.1	0		2.0 0
WPXL-TV D33 DT CP	2.0	0	2.0 0	2.0 0
KTBU D33 DT CP	53.9	542	53.9 542	48.8 542
WVLA-TV D34 DT LIC	1.0	0	1.0 0	1.0 0

Interference to BLANK0000034102 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTBU	D33	DT	CP	CONROE, TX	BLANK0000034102	
Undesireds:	K18JK-D	D33	LD	APP	Beaumont, TX	K18JK_CH33_Hgt_Omni	157.6 km
	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000035588	0.8
	KLPA-TV	D33	DT	LIC	ALEXANDRIA, LA	BLANK0000063603	360.5
	KVUE	D33	DT	LIC	AUSTIN, TX	BLCDT20050624AAI	236.5
	KUVN-DT	D33	DT	CP	GARLAND, TX	BLANK0000063068	364.0
	KIAH	D34	DT	CP	HOUSTON, TX	BLANK0000035711	1.2
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
37095.6 6,035,271	36984.7 6,034,785	34437.2 6,001,452	33352.2 5,991,334	3.15 0.17			

Undesired		Total IX	Unique IX, before	Unique IX, after
K18JK-D D33 LD APP	1092.0	10,118		1085.0 10,118
KPXB-TV D32 DT LIC	2.0	13	0.0 0	0.0 0
KLPA-TV D33 DT LIC	7.0	242	1.0 0	0.0 0
KVUE D33 DT LIC	606.2	10,941	579.3 10,655	579.3 10,655
KUVN-DT D33 DT CP	23.0	44	1.0 0	1.0 0
KIAH D34 DT CP	1939.3	22,392	1937.3 22,379	1937.3 22,379

Interference to BNPDTL20090826ACT CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K34LK-D	D34	LD	CP	BEAUMONT, TX	BNPDTL20090826ACT	
Undesireds:	K18JK-D	D33	LD	APP	Beaumont, TX	K18JK_CH33_Hgt_Omni	8.7 km
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	260.3
	KSWL-LD	D34	LD	LIC	LAKE CHARLES, LA	BLANK0000067198	64.8
	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	280.8
	NEW	D34	LD	APP	BEAUMONT, TX	BNPDTL20090825AYC	8.1
	KIAH	D34	DT	CP	HOUSTON, TX	BLANK0000035711	159.7
	KVHP-LD	D34	LD	CP	JASPER, TX	BLANK0000054529	92.8
	NEW	D35	LD	APP	BEAUMONT, TX	BNPDTL20090825AQW	5.8
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
33.1 6,841	33.1 6,841	3.0 727	3.0 727	0.00 0.00			

Undesired		Total IX	Unique IX, before	Unique IX, after
K18JK-D D33 LD APP	9.0	3,161		0.0 0
WVLA-TV D34 DT LIC	1.0	512	0.0 0	0.0 0
KSWL-LD D34 LD LIC	7.0	3,670	0.0 0	0.0 0
KMSS-TV D34 DT LIC	2.0	582	0.0 0	0.0 0
NEW D34 LD APP	30.1	6,114	3.0 303	3.0 303
KIAH D34 DT CP	7.0	2,896	0.0 0	0.0 0
KVHP-LD D34 LD CP	7.0	3,161	0.0 0	0.0 0
NEW D35 LD APP	27.1	5,811	0.0 0	0.0 0

Interference to BNPDTL20090825AYC APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	NEW	D34	LD	APP	BEAUMONT, TX	BNPDTL20090825AYC	
Undesireds:	K18JK-D	D33	LD	APP	Beaumont, TX	K18JK_CH33_Hgt_Omni	14.7 km
	KSWL-LD	D34	LD	LIC	LAKE CHARLES, LA	BLANK0000067198	57.5
	KVHP-LD	D34	LD	CP	JASPER, TX	BLANK0000054529	89.0
	NEW	D35	LD	APP	BEAUMONT, TX	BNPDTL20090825AQW	13.9
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
3020.2 296,454	3020.2 296,454	2498.2 183,752	2485.2 183,709	0.52 0.02			

Undesired		Total IX	Unique IX, before	Unique IX, after
K18JK-D D33 LD APP	39.2	4,755		13.0 43

KSWL-LD D34 LD LIC	197.3	2,915	197.3	2,915	197.3	2,915
KVHP-LD D34 LD CP	94.9	513	94.9	513	94.9	513
NEW D35 LD APP	229.7	109,274	229.7	109,274	203.6	104,562

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K18JK-D	D33	LD	APP	Beaumont, TX	K18JK_CH33_Hgt_Omni	
Undesireds:	KTBU	D33	DT	CP	CONROE, TX	BLANK0000034102	157.6 km
	Service area			Terrain-limited		IX-free	Percent IX
	7114.3 403,141	7114.3		403,141	6751.6	398,285	5.10 1.20
Undesired				Total IX		Unique IX	Prcnt Unique IX
KTBU D33 DT CP		362.7		4,856	362.7	4,856	5.10 1.20