tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: KTFV-CD 15 KW-DA (1028), Model: Longley-Rice
Start: 2017.10.05 11:15:16

Study created: 2017.10.05 11:11:18

Study build station data: LMS TV 2017-10-03 (33)

    Proposal: KTFV-CD D32 DC APP MCALLEN, TX
 File number: KTFV-CD 15 KW-DA
 Facility ID: 28280
Station data: User record
   Record ID: 991
     Country: U.S.

Build options:
Protect LPTV records from Class A

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

Call	Chan	Svc	Status	City, State	File Number	Distance
LICITACION	D31	DT	LIC	REYNOSA-MATAMOROS, TA	BLANKBPFS20050721AFX	26.7 km
XHMOY	D32	DT	LIC	MONTERREY, NL	BLANKBPFS20160309ABD	223.1
XHNAT	D32	DT	LIC	NUEVO LAREDO, TA	BLANKBPFS20160318AAX	211.1
XHOR	D33	DT	LIC	MATAMOROS, TA	BLANKBPFS20050721AGA	60.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D32
       Mask: Full Service
   Latitude: 26 5 19.00 N (NAD83)
  Longitude: 98 3 45.00 W
Height AMSL: 292.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: DIE-TFU-12DSB/VP-R C160 (ID 1001832) 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.0

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.0 kW	266.4 m	53.8 km
45.0	13.6	269.7	53.8
90.0	14.4	270.3	54.1
135.0	11.6	269.7	53.0
180.0	1.14	264.6	40.4
225.0	1.16	269.1	40.7
270.0	2.50	264.7	44.6
315.0	13.6	263.1	53.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 267 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: 2225.4 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 2.6 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 6.7 degrees   Distance: 151.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 338.7 degrees   Distance: 1694.5 km

Study cell size: 1.00 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 BLANKBPFS20050721AFX LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	LICITACIOND31		DT	LIC	REYNOSA-MATAMOROS, TA	BLANKBPFS20050721AFX	
Undesireds:	KTFV-CD	D32	DC	BL	MCALLEN, TX	DTVBL28280	26.7 km
	KTFV-CD	D32	DC	APP	MCALLEN, TX	KTFV-CD 15 KW-DA	26.7
	XET	D31	DT	LIC	MONTERREY, NL	BLANKBPFS20100330AAG	241.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
8809.5	1,202,890	8809.5	1,202,890	8715.9	1,197,213	8728.8	1,197,219	-0.15	-0.00	(in U.S.)
12309.6	1,293,905	12308.6	1,293,905	11478.3	1,282,604	11511.8	1,283,256	-0.29	-0.05	

Undesired	Total IX	Unique IX, before		Unique IX, after		
KTFV-CD D32 DC BL	42.5	1,227	12.9	6		(in U.S.)
KTFV-CD D32 DC APP	0.0	0		0.0	0	(in U.S.)
KTFV-CD D32 DC BL	221.8	10,848	33.5	652		
KTFV-CD D32 DC APP	0.0	0		0.0	0	
XET D31 DT LIC	80.7	5,671	51.2	4,450	80.7	5,671 (in U.S.)
XET D31 DT LIC	796.8	10,649	608.5	453	796.8	10,649

Interference to BLANKBPFS20160309ABD LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	XHMOY	D32	DT	LIC	MONTERREY, NL	BLANKBPFS20160309ABD	
Undesireds:	KTFV-CD	D32	DC	BL	MCALLEN, TX	DTVBL28280	223.1 km
	KTFV-CD	D32	DC	APP	MCALLEN, TX	KTFV-CD 15 KW-DA	223.1
	XET	D31	DT	LIC	MONTERREY, NL	BLANKBPFS20100330AAG	0.0
	XHNAT	D32	DT	LIC	NUEVO LAREDO, TA	BLANKBPFS20160318AAX	218.6
	XHSZT	D32	DT	LIC	SOTO LA MARINA, TA	BLANKBPFS20160304ABD	291.1
	XHLLO	D33	DT	LIC	SALTILLO, CI	BLANKBPFS20120110ADF	81.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
41061.2	5,361,829	28281.7	4,435,465	27847.4	4,434,650	27855.3	4,434,651	-0.03	-0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
KTFV-CD D32 DC BL	129.4	28	48.5	4	
KTFV-CD D32 DC APP	117.5	24		40.7	3
XET D31 DT LIC	5.9	123	5.9	123	5.9	123
XHNAT D32 DT LIC	368.9	688	290.1	664	294.0	667
XHSZT D32 DT LIC	4.0	0	1.0	0	1.0	0
XHLLO D33 DT LIC	7.9	0	6.9	0	6.9	0

Interference to BLANKBPFS20160318AAX LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	XHNAT	D32	DT	LIC	NUEVO LAREDO, TA	BLANKBPFS20160318AAX	
Undesireds:	KTFV-CD	D32	DC	BL	MCALLEN, TX	DTVBL28280	211.1 km
	KTFV-CD	D32	DC	APP	MCALLEN, TX	KTFV-CD 15 KW-DA	211.1
	KETF-CD	D31	DC	LIC	LAREDO, TX	BLDTA20101216ABZ	4.2
	KMYS	D32	DT	LIC	KERRVILLE, TX	BLCDT20060608ACW	243.4
	XHMOY	D32	DT	LIC	MONTERREY, NL	BLANKBPFS20160309ABD	218.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
5511.3	250,237	5494.3	250,192	4277.1	249,723	4277.1	249,723	0.00	0.00	(in U.S.)
3724.5	386,378	3717.5	386,378	3003.9	384,145	3003.9	384,145	0.00	0.00	

Undesired	Total IX	Unique IX, before		Unique IX, after		
KTFV-CD D32 DC BL	1.0	0	0.0	0		
KTFV-CD D32 DC APP	1.0	0		0.0	0	
KETF-CD D31 DC LIC	1185.3	469	975.8	460	975.8	460 (in U.S.)
KETF-CD D31 DC LIC	236.0	2,216	226.0	2,216	226.0	2,216
KMYS D32 DT LIC	107.8	7	4.0	0	4.0	0 (in U.S.)
KMYS D32 DT LIC	19.0	0	4.0	0	4.0	0
XHMOY D32 DT LIC	226.5	7	19.0	0	19.0	0 (in U.S.)
XHMOY D32 DT LIC	477.6	17	468.5	17	468.5	17

Interference to BLANKBPFS20050721AGA LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	XHOR	D33	DT	LIC	MATAMOROS, TA	BLANKBPFS20050721AGA	
Undesireds:	KTFV-CD	D32	DC	BL	MCALLEN, TX	DTVBL28280	60.5 km
	KTFV-CD	D32	DC	APP	MCALLEN, TX	KTFV-CD 15 KW-DA	60.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
3859.1	456,640	3859.1	456,640	3537.7	402,053	3833.5	455,849	-8.36	-13.38	(in U.S.)
5984.8	573,966	5984.8	573,966	5826.0	552,039	5974.9	573,807	-2.56	-3.94	

Undesired	Total IX		Unique IX, before		Unique IX, after		
KTFV-CD D32 DC BL	321.5	54,587	321.5	54,587			(in U.S.)
KTFV-CD D32 DC APP	25.6	791			25.6	791	(in U.S.)
KTFV-CD D32 DC BL	158.8	21,927	158.8	21,927			
KTFV-CD D32 DC APP	9.9	159			9.9	159	

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTFV-CD	D32	DC	APP	MCALLEN, TX	KTFV-CD 15 KW-DA	
Undesireds:	LICITACION	D31	DT	LIC	REYNOSA-MATAMOROS, TA	BLANKBPFS20050721AFX	26.7 km

Service area		Terrain-limited		IX-free		Percent IX		
4556.2	965,109	4556.2	965,109	4551.3	964,426	0.11	0.07	
3152.5	753,820	3152.5	753,820	3076.3	753,603	2.42	0.03	(in Mexico)

Undesired	Total IX		Unique IX		Prcnt Unique IX		
LICITACION D31 DT LIC	4.9	683	4.9	683	0.11	0.07	
LICITACION D31 DT LIC	76.1	217	76.1	217	2.42	0.03	(in Mexico)