

tvstudy v2.2.5 (V91R41)

Database: localhost, Study: KPFW_ch5_1.5kW, Model: Longley-Rice

Start: 2018.03.23 16:53:24

Study created: 2018.03.23 16:53:24

Study build station data: LMS TV 2018-03-19

Proposal: KPFW-LD D5 LD LIC DALLAS, TX

File number: BLANK0000024514

Facility ID: 127891

Station data: User record

Record ID: 39

Country: U.S.

Build options:

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	K05EF	N5	TX	LIC	BRADY, ETC., TX	BLTVL3637	281.4 km
No	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	370.5
No	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK0000019131	370.5
No	KCWX	D5	DT	LIC	FREDERICKSBURG, TX	BLCDT20090709AEQ	322.3
No	KCWX	D5	DT	APP	FREDERICKSBURG, TX	BPCDT20090713ACO	322.3
Yes	KXDA-LD	D5	LD	LIC	GARLAND, TX	BLANK0000004284	43.5
No	KLUF-LP	N5-	TX	LIC	LUFKIN, TX	BLTVL19951005IF	276.4
Yes	KBFW-LP	D6	LD	CP	ARLINGTON, TX	BDFCDVL20090211AAF	20.8
Yes	KBFW-LP	N6z	TX	LIC	ARLINGTON, TX	BLTVL20080811AAM	20.8
No	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	22.2
No	KZFW-LP	N6-	TX	LIC	DALLAS, TX	BLTVL20080902AEH	21.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D5

Mask: Full Service

Latitude: 32 44 22.70 N (NAD83)

Longitude: 97 6 43.50 W

Height AMSL: 227.2 m

HAAT: 0.0 m

Peak ERP: 1.50 kW

Antenna: 270.0 deg

Elev Patrn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	62.3 m	6.0 km
45.0	0.007	69.4	11.9
90.0	0.000	66.9	3.1
135.0	0.007	56.0	10.8
180.0	0.000	33.6	4.4
225.0	0.374	41.6	23.8
270.0	1.50	44.5	31.9
315.0	0.374	67.2	28.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 55 m

Distance to Canadian border: 1599.5 km

Distance to Mexican border: 523.0 km

Conditions at FCC monitoring station: Kingsville TX
 Bearing: 187.4 degrees Distance: 593.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 320.8 degrees Distance: 1094.0 km

Study cell size: 0.50 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 BLANK000004284 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KXDA-LD	D5	LD	LIC	GARLAND, TX	BLANK000004284	
Undesireds:	KPFW-LD	D5	LD	LIC	DALLAS, TX	BLANK0000024514	43.5 km
	KBFW-LP	D6	LD	CP	ARLINGTON, TX	BDFCDVL20090211AAF	62.7
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	43.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
4936.5 2,702,494		4932.7 2,702,419		4932.7 2,702,419		4932.2 2,701,804	0.01 0.02
Undesired		Total IX		Unique IX, before		Unique IX, after	
KPFW-LD D5 LD LIC		0.5		615		0.5 615	

 Interference to BDFCDVL20090211AAF CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBFW-LP	D6	LD	CP	ARLINGTON, TX	BDFCDVL20090211AAF	
Undesireds:	KPFW-LD	D5	LD	LIC	DALLAS, TX	BLANK0000024514	20.8 km
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	39.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
4308.8 2,132,948		4304.9 2,132,872		4035.7 2,007,019		4034.7 2,006,048	0.02 0.05
Undesired		Total IX		Unique IX, before		Unique IX, after	
KPFW-LD D5 LD LIC		1.0		971		1.0 971	
KZFW-LP N6- TX CP		269.2		125,853		269.2 125,853	

 Interference to BDFCDVL20090211AAF CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBFW-LP	D6	LD	CP	ARLINGTON, TX	BDFCDVL20090211AAF	
Undesireds:	KPFW-LD	D5	LD	LIC	DALLAS, TX	BLANK0000024514	20.8 km
	KZFW-LP	N6-	TX	LIC	DALLAS, TX	BLTVL20080902AEH	38.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
4308.8 2,132,948		4304.9 2,132,872		4022.0 1,999,684		4021.0 1,998,713	0.02 0.05
Undesired		Total IX		Unique IX, before		Unique IX, after	
KPFW-LD D5 LD LIC		1.0		971		1.0 971	
KZFW-LP N6- TX LIC		282.9		133,188		282.9 133,188	

 Interference to BLTVL20080811AAM LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBFW-LP	N6z	TX	LIC	ARLINGTON, TX	BLTVL20080811AAM	

Undesireds:	KPFW-LD	D5	LD	LIC	DALLAS, TX	BLANK0000024514	20.8 km		
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	39.3		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1990.4	1,424,410	1990.4	1,424,410	1946.8	1,388,595	1943.4	1,383,822	0.18	0.34
Undesired		Total IX		Unique IX, before		Unique IX, after			
KPFW-LD	D5 LD LIC	3.4	4,773			3.4	4,773		
KZFW-LP	N6- TX CP	43.6	35,815	43.6	35,815	43.6	35,815		

Interference to BLTVL20080811AAM LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KBFW-LP	N6z	TX	LIC	ARLINGTON, TX	BLTVL20080811AAM			
Undesireds:	KPFW-LD	D5	LD	LIC	DALLAS, TX	BLANK0000024514	20.8 km		
	KZFW-LP	N6-	TX	LIC	DALLAS, TX	BLTVL20080902AEH	38.7		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1990.4	1,424,410	1990.4	1,424,410	1942.4	1,386,912	1939.0	1,382,139	0.18	0.34
Undesired		Total IX		Unique IX, before		Unique IX, after			
KPFW-LD	D5 LD LIC	3.4	4,773			3.4	4,773		
KZFW-LP	N6- TX LIC	48.0	37,498	48.0	37,498	48.0	37,498		

Interference to proposal scenario 1
21.05% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPFW-LD	D5	LD	LIC	DALLAS, TX	BLANK0000024514	
Undesireds:	KCWX	D5	DT	LIC	FREDERICKSBURG, TX	BLCDT20090709AEQ	322.3 km
	KXDA-LD	D5	LD	LIC	GARLAND, TX	BLANK0000004284	43.5
	KBFW-LP	D6	LD	CP	ARLINGTON, TX	BDFCDVL20090211AAF	20.8
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	22.2
Service area		Terrain-limited		IX-free		Percent IX	
1140.6	1,242,384	1139.2	1,242,053	891.0	980,622	21.78	21.05
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KXDA-LD	D5 LD LIC	87.8	107,025	84.6	105,929	7.43	8.53
KBFW-LP	D6 LD CP	163.6	155,502	160.4	154,406	14.08	12.43

Interference to proposal scenario 2
8.62% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPFW-LD	D5	LD	LIC	DALLAS, TX	BLANK0000024514	
Undesireds:	KCWX	D5	DT	LIC	FREDERICKSBURG, TX	BLCDT20090709AEQ	322.3 km
	KXDA-LD	D5	LD	LIC	GARLAND, TX	BLANK0000004284	43.5
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	22.2
Service area		Terrain-limited		IX-free		Percent IX	
1140.6	1,242,384	1139.2	1,242,053	1051.4	1,135,028	7.70	8.62
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KXDA-LD	D5 LD LIC	87.8	107,025	87.8	107,025	7.70	8.62