tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Dallas4D3kwT, Model: Longley-Rice
Start: 2022.08.29 14:49:47

Study created: 2022.08.29 14:49:47

Study build station data: LMS TV 2022-08-28

    Proposal: KWDA-LD D4 LD CP DALLAS, TX
 File number: BLANK0000124608
 Facility ID: 130929
Station data: LMS TV 2022-08-28
   Record ID: 25076f9174fff4c1017504547da00676
     Country: U.S.

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

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K03IJ-D	D3	LD	CP	COLLEGE STATION, TX	BLANK0000184634	224.8 km
Yes	KODF-LD	D3	LD	LIC	Dallas, TX	BLANK0000113889	1.1
Yes	KHFW-LD	D4	LD	LIC	DALLAS, TX	BLDVL20130205ACX	67.0
Yes	KHFW-LD	D4	LD	CP	DALLAS, TX	BPDVL20130222ADL	26.4
No	KAHO-LD	D4	LD	LIC	WOODVILLE, TX	BLANK0000005451	342.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D4
       Mask: Stringent
   Latitude: 32 35 25.00 N (NAD83)
  Longitude: 96 58 24.00 W
Height AMSL: 526.8 m

HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: Omnidirectional
Elev Pattrn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	374.7 m	71.2 km
45.0	3.00	318.4	68.0
90.0	3.00	323.7	68.3
135.0	3.00	319.5	68.1
180.0	3.00	291.1	66.4
225.0	3.00	347.8	69.7
270.0	3.00	353.7	70.0
315.0	3.00	358.7	70.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 336 m

Distance to Canadian border: 1601.5 km

Distance to Mexican border: 520.3 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 188.9 degrees Distance: 578.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 320.9 degrees Distance: 1115.1 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 BLANK0000113889 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KODF-LD	D3	LD	LIC	Dallas, TX	BLANK0000113889	
Undesireds:	KWDA-LD	D4	LD	CP	DALLAS, TX	BLANK0000124608	1.1 km
	KSFW-LD	D2	LD	LIC	DALLAS, TX	BLANK0000001483	0.0
	K03IJ-D	D3	LD	LIC	COLLEGE STATION, TX	BLANK0000179215	223.9
	KZHO-LD	D3	LD	LIC	HOUSTON, TX	BLANK0000158409	348.8
	KHFW-LD	D4	LD	LIC	DALLAS, TX	BLDVL20130205ACX	67.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
11809.4	5,324,086	11771.3	5,322,241	10585.6	5,117,544	10552.5	5,111,053	0.31	0.13

Undesired	Total IX		Unique IX, before		Unique IX, after	
KWDA-LD D4 LD CP	341.9	100,863			33.1	6,491
KSFW-LD D2 LD LIC	1185.7	204,697	1185.7	204,697	876.9	110,325

Interference to BLANK0000113889 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KODF-LD	D3	LD	LIC	Dallas, TX	BLANK0000113889	
Undesireds:	KWDA-LD	D4	LD	CP	DALLAS, TX	BLANK0000124608	1.1 km
	KSFW-LD	D2	LD	LIC	DALLAS, TX	BLANK0000001483	0.0
	K03IJ-D	D3	LD	LIC	COLLEGE STATION, TX	BLANK0000179215	223.9
	KZHO-LD	D3	LD	LIC	HOUSTON, TX	BLANK0000158409	348.8
	KHFW-LD	D4	LD	CP	DALLAS, TX	BPDVL20130222ADL	26.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
11809.4	5,324,086	11771.3	5,322,241	9450.0	3,909,492	9427.9	3,909,272	0.23	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
KWDA-LD D4 LD CP	341.9	100,863			22.1	220
KSFW-LD D2 LD LIC	1185.7	204,697	886.9	53,895	732.0	43,694

KHFW-LD D4 LD CP	1434.4	1,358,854	1135.6	1,208,052	1124.6	1,201,781

Interference to BLDVL20130205ACX LIC scenario 1
**IX: 83.39% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHFW-LD	D4	LD	LIC	DALLAS, TX	BLDVL20130205ACX	
Undesireds:	KWDA-LD	D4	LD	CP	DALLAS, TX	BLANK0000124608	67.0 km

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
853.8	580,587	786.1	548,712	786.1	548,712	173.3	91,118	77.95	83.39

Undesired	Total IX		Unique IX, before		Unique IX, after	
KWDA-LD D4 LD CP	612.7	457,594			612.7	457,594

Interference to BPDVL20130222ADL CP scenario 1
**IX: 77.79% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHFW-LD	D4	LD	CP	DALLAS, TX	BPDVL20130222ADL	
Undesireds:	KWDA-LD	D4	LD	CP	DALLAS, TX	BLANK0000124608	26.4 km
	KODF-LD	D3	LD	LIC	Dallas, TX	BLANK0000113889	26.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
20902.2	6,291,478	20842.1	6,287,291	20840.1	6,286,929	2976.2	1,396,263	85.72	77.79

Undesired	Total IX		Unique IX, before		Unique IX, after	
KWDA-LD D4 LD CP	17865.9	4,891,028			17863.9	4,890,666
KODF-LD D3 LD LIC	2.0	362	2.0	362	0.0	0

Interference to proposal scenario 1
2.07% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KWDA-LD	D4	LD	CP	DALLAS, TX	BLANK0000124608	
Undesireds:	KHFW-LD	D4	LD	LIC	DALLAS, TX	BLDVL20130205ACX	67.0 km

Service area		Terrain-limited		IX-free		Percent IX	
14882.8	5,829,915	14804.5	5,826,665	14686.8	5,706,178	0.79	2.07

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KHFW-LD D4 LD LIC	117.6	120,487	117.6	120,487	0.79	2.07

Interference to proposal scenario 2
88.79% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KWDA-LD	D4	LD	CP	DALLAS, TX	BLANK0000124608	
Undesireds:	KHFW-LD	D4	LD	CP	DALLAS, TX	BPDVL20130222ADL	26.4 km

Service area		Terrain-limited		IX-free		Percent IX	
14882.8	5,829,915	14804.5	5,826,665	1859.2	653,314	87.44	88.79

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KHFW-LD D4 LD CP	12945.3	5,173,351	12945.3	5,173,351	87.44	88.79