tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Odessa34d8kwF, Model: Longley-Rice
Start: 2021.11.18 08:11:45

Study created: 2021.11.18 08:11:45

Study build station data: LMS TV 2021-11-18

    Proposal: K34MX-D D34 LD APP ODESSA, TX
 Facility ID: 125712
Station data: User record
   Record ID: 472
     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
Yes	KCWO-TV	D33	DT	LIC	BIG SPRING, TX	BLCDT20090818AAN	77.7 km
No	KJTV-CD	D33	DC	LIC	WOLFFORTH, TX	BLANK0000081644	162.1
No	K34CR-D	D34	LD	LIC	ALAMOGORDO, ETC., NM	BLANK0000139141	347.7
No	K34CR-D	N34	TX	LIC	ALAMOGORDO, ETC., NM	BLTT19890703IB	347.7
Yes	K34KZ-D	D34	LD	LIC	HOBBS, NM	BLDTL20130201ACL	111.1
No	K34JJ-D	D34	LD	LIC	HOLLIS, OK	BLDTT20100802AZI	374.1
No	KIDV-LD	D34	LD	LIC	ALBANY, TX	BLDTT20110428AAG	277.7
No	K34MD-D	D34	LD	CP	AMARILLO, TX	BNPDTL20100518AET	353.5
No	KZFB-LP	N34z	TX	LIC	Amarillo, TX	BLTTL20070502AAJ	377.4
No	KEYE-TV	D34	DT	LIC	AUSTIN, TX	BLANK0000121387	469.1
No	K34QV-D	D34	LD	CP	JUNCTION, TX	BNPDTL20100406ABR	302.0
No	K34NB-D	D34	LD	LIC	LUBBOCK, TX	BLANK0000151871	158.8
No	K34NB-D	D34	LD	CP	LUBBOCK, TX	BLANK0000153525	167.6
No	K34NQ-D	D34	LD	LIC	MEMPHIS, TX	BLANK0000076196	340.1
No	K34HH	N34+	TX	LIC	MIDLAND, TX	BLTTL20061107AEM	19.7
No	K34KO-D	D34	LD	LIC	TULIA, TX	BLDTT20110425ACE	277.0
No	K35LE-D	D35	LD	CP	BAKERSFIELD, TX	BNPDTL20100416ABC	130.2
No	K35MF-D	D35	LD	LIC	BIG SPRING, TX	BLANK0000151666	77.9

No	KJTV-TV	D35	DT	LIC	LUBBOCK, TX	BLANK0000074582	162.1
No	K35MC-D	D35	LD	CP	ODESSA-MIDLAND, TX	BNPDTL20100927AGA	4.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D34
       Mask: Full Service
   Latitude:  32  5 11.00 N (NAD83)
  Longitude: 102 17 12.00 W
Height AMSL: 1145.2 m
       HAAT: 0.0 m
   Peak ERP: 8.00 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 1.00
```

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.00 kW	248.4 m	49.7 km
45.0	8.00	250.7	49.8
90.0	8.00	273.7	51.0
135.0	8.00	269.0	50.8
180.0	8.00	251.5	49.8
225.0	8.00	243.5	49.4
270.0	8.00	234.6	48.9
315.0	8.00	231.9	48.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 250 m

Distance to Canadian border: 1879.8 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 245.3 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 139.4 degrees Distance: 668.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 344.4 degrees Distance: 930.7 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 BLCDT20090818AAN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCWO-TV	D33	DT	LIC	BIG SPRING, TX	BLCDT20090818AAN	
Undesireds:	K34MX-D	D34	LD	APP	ODESSA, TX		77.7 km
	KJTV-CD	D33	DC	LIC	WOLFFORTH, TX	BLANK0000081644	140.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8487.9	50,642	8390.1	50,619	8376.0	50,618	8363.9	50,442	0.14	0.35

Undesired	Total IX		Unique IX, before		Unique IX, after	
K34MX-D D34 LD APP	12.1	176			12.1	176
KJTV-CD D33 DC LIC	14.1	1	14.1	1	14.1	1

Interference to BLDTL20130201ACL LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K34KZ-D	D34	LD	LIC	HOBBS, NM	BLDTL20130201ACL	

Undesireds:	K34MX-D	D34	LD	APP	ODESSA, TX		111.1 km
	K34CR-D	D34	LD	LIC	ALAMOGORDO, ETC., NM	BLANK0000139141	256.4
	K34NB-D	D34	LD	LIC	LUBBOCK, TX	BLANK0000151871	139.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2951.8	47,267	2951.8	47,267	2951.8	47,267	2939.8	47,267	0.41	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K34MX-D D34 LD APP	12.0	0	12.0 0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K34MX-D	D34	LD	APP	ODESSA, TX		
Undesireds:	K34CR-D	D34	LD	LIC	ALAMOGORDO, ETC., NM	BLANK0000139141	347.7 km
	K34NB-D	D34	LD	LIC	LUBBOCK, TX	BLANK0000151871	158.8
	K35MC-D	D35	LD	CP	ODESSA-MIDLAND, TX	BNPDTL20100927AGA	4.4

Service area		Terrain-limited		IX-free		Percent IX	
7792.0	292,862	7780.9	292,847	7779.8	292,847	0.01	0.00

Undesired	Total IX		Unique IX		Prcnt Unique IX	
K35MC-D D35 LD CP	1.0	0	1.0	0	0.01	0.00