

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Odessa34d15kwGF, Model: Longley-Rice

Start: 2021.04.26 13:00:08

Study created: 2021.04.26 13:00:08

Study build station data: LMS TV 2021-04-26

Proposal: K34MX-D D34 LD APP ODESSA, TX

Facility ID: 125712

Station data: User record

Record ID: 2109

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	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	CP	LUBBOCK, TX	BNPDTL20090825AYA	153.5
No	K34HW	N34-	TX	LIC	MASON, TX	BLTTL20070507AEV	317.4
No	K34NQ-D	D34	LD	LIC	MEMPHIS, TX	BLANK0000076196	340.1
Yes	K34HH	N34+	TX	LIC	MIDLAND, TX	BLTTL20061107AEM	19.7
No	KZFB-LP	N34z	TX	LIC	PAMPA, TX	BLTTL20070502AAJ	377.4
Yes	K34LQ-D	D34	LD	CP	ROSCOE, TX	BNPDTL20100310ACF	159.4
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	CP	BIG SPRING, TX	BNPDTL20100107AEK	79.3
No	KJTV-TV	D35	DT	LIC	LUBBOCK, TX	BLANK0000074582	162.1
Yes	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: 1145.7 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattnr: Generic

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	248.9 m	52.9 km
45.0	15.0	251.2	53.1
90.0	15.0	274.2	54.3
135.0	15.0	269.5	54.1
180.0	15.0	252.0	53.1
225.0	15.0	244.0	52.7
270.0	15.0	235.1	52.2
315.0	15.0	232.4	52.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 251 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: 0.50 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
	8484.1	50,617		8375.3	50,589	8333.8	50,352
							0.37 0.47
Undesired				Total IX	Unique IX, before	Unique IX, after	
K34MX-D D34 LD APP				31.2	236	31.2	236
KJTV-CD D33 DC LIC				10.3	1	10.3	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
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	2955.0	47,934	2955.0	47,934	2955.0	47,934	1.54 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
K34MX-D D34 LD APP	45.4	0		45.4 0

Interference to BLTTL20061107AEM LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K34HH	N34+	TX	LIC	MIDLAND, TX	BLTTL20061107AEM	
Undesireds:	K34MX-D	D34	LD	APP	ODESSA, TX		19.7 km
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	0.7	0	0.7	0	0.7	0	100.00 0.00
Undesired		Total IX	Unique IX, before	Unique IX, after			
K34MX-D D34 LD APP	0.7	0		0.7	0		

Interference to BNPDTL20100310ACF CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K34LQ-D	D34	LD	CP	ROSCOE, TX	BNPDTL20100310ACF	
Undesireds:	K34MX-D	D34	LD	APP	ODESSA, TX		159.4 km
	KIDB-LD	D35	LD	LIC	SWEETWATER, TX	BLDTL20110408AAY	33.3
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	1403.0	10,349	1392.7	10,344	1371.5	10,341	0.12 0.11
Undesired		Total IX	Unique IX, before	Unique IX, after			
K34MX-D D34 LD APP	1.7	11		1.7	11		

KIDB-LD D35 LD LIC	21.3	3	21.3	3	21.3	3
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Interference to BNPDTL20100927AGA CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	K35MC-D	D35	LD	CP	ODESSA-MIDLAND, TX	BNPDTL20100927AGA			
Undesireds:	K34MX-D	D34	LD	APP	ODESSA, TX		4.4 km		
	K35MF-D	D35	LD	CP	BIG SPRING, TX	BNPDTL20100107AEK	81.0		
	KJTV-TV	D35	DT	LIC	LUBBOCK, TX	BLANK0000074582	166.4		
	KZOD-LP	D36	LD	LIC	ODESSA, TX	BLDTL20121231ALL	23.8		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4213.0		271,774		4208.6		271,772		4143.9	
						269,229		4142.7	
								269,229	
								0.03	
								0.00	
Undesired		Total IX		Unique IX, before		Unique IX, after			
K34MX-D D34 LD APP		2.5		0		1.2		0	
K35MF-D D35 LD CP		58.5		1,655		58.0		1,655	
KJTV-TV D35 DT LIC		6.2		0		5.7		0	
KZOD-LP D36 LD LIC		0.5		888		0.5		888	

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
	K34LQ-D	D34	LD	CP	ROSCOE, TX	BNPDTL20100310ACF	159.4
	K35MC-D	D35	LD	CP	ODESSA-MIDLAND, TX	BNPDTL20100927AGA	4.4
Service area		Terrain-limited		IX-free		Percent IX	
8849.2		293,268		8838.8		293,268	
						8837.8	
						293,268	
						0.01	
						0.00	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
K34LQ-D D34 LD CP		0.2		0		0.00	
				0.2		0	
K35MC-D D35 LD CP		0.7		0		0.01	
				0.7		0	
						0.00	
						0.00	

