

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Odessa19d15kwFF, Model: Longley-Rice

Start: 2021.07.13 06:54:10

Study created: 2021.07.13 06:54:10

Study build station data: LMS TV 2021-07-13

Proposal: K48ON-D D19 LD APP ODESSA, TX

Facility ID: 128503

Station data: User record

Record ID: 519

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	KPTF-DT	D18	DT	LIC	FARWELL, TX	BLCDT20090612AEB	275.1 km
No	K18NO-D	D18	LD	CP	LUBBOCK, TX	BLANK0000151429	158.8
No	K18NO-D	D18	LD	LIC	LUBBOCK, TX	BLANK0000151858	158.8
No	KUPB	D18	DT	LIC	MIDLAND, TX	BLCDT20090615ABW	36.0
No	K18JP-D	D18	LD	CP	TAHOKA, TX	BNPDTL20100323AIR	115.3
No	KVBA-LP	D19+	LD	CP	ALAMOGORDO, NM	BLANK0000150554	346.1
No	KVBA-LP	N19+	TX	LIC	ALAMOGORDO, NM	BLTTTL20070720AAD	346.1
No	K19JZ-D	D19	LD	LIC	CARLSBAD, NM	BLDTT20120705ABT	196.7
No	K19LP-D	D19	LD	LIC	CLOVIS, NM	BLANK0000147046	275.4
Yes	K19KT-D	D19	LD	LIC	HOBBS, NM	BLANK0000060808	103.9
Yes	K19IZ-D	D19	LD	CP	ACKERLY, TX	BNPDTL20100323AIJ	72.5
No	KAMR-TV	D19	DT	LIC	AMARILLO, TX	BLCDT20080519ACZ	364.5
No	K19JN-D	D19	LD	CP	BALMORHEA, TX	BNPDTL20100416ABF	184.5
No	KLBB-LD	D19	LD	LIC	LUBBOCK, TX	BLANK0000088509	162.1
Yes	KIDY	D19	DT	LIC	SAN ANGELO, TX	BLCDT20110520ADN	176.0
No	DDKFIQ-LP	D20	LD	APP	LUBBOCK, TX	BDISDTL20090630AAZ	164.7
Yes	KTLE-LD	D20z	LD	LIC	ODESSA, TX	BLANK0000068037	21.6
Yes	KTLE-LD	D20z	LD	CP	ODESSA, TX	BLANK0000143742	21.6

No	KTXS-TV	D20	DT	CP	SWEETWATER, TX	BLANK0000035779	208.1
No	KTXS-TV	D20	DT	LIC	SWEETWATER, TX	BLCDT20080815ABJ	208.1
No	K21GU	N21z	TX	LIC	MIDLAND, TX	BLTTL20061107AEL	19.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19  
Mask: Full Service  
Latitude: 32 5 11.00 N (NAD83)  
Longitude: 102 17 12.00 W  
Height AMSL: 1026.7 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	129.9 m	47.4 km
45.0	15.0	132.2	47.5
90.0	15.0	155.2	49.1
135.0	15.0	150.5	48.8
180.0	15.0	133.0	47.6
225.0	15.0	125.0	47.0
270.0	15.0	116.1	46.4
315.0	15.0	113.4	46.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 132 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

No land mobile station failures found

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 BLANK0000060808 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K19KT-D	D19	LD	LIC	HOBBS, NM	BLANK0000060808	
Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		103.9 km
	K18NO-D	D18	LD	CP	LUBBOCK, TX	BLANK0000151429	139.4
	KVBA-LP	D19+	LD	CP	ALAMOGORDO, NM	BLANK0000150554	259.6
	K19JZ-D	D19	LD	LIC	CARLSBAD, NM	BLDTT20120705ABT	104.3
	KTLE-LD	D20z	LD	LIC	ODESSA, TX	BLANK0000068037	116.3
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	5791.6 78,734	5791.6	78,734	5718.5	78,734	5713.4 78,734	0.09 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K48ON-D D19 LD APP				5.0 0	5.0 0		
K19JZ-D D19 LD LIC				73.2 0	73.2 0		

-----  
Interference to BNPDTL20100323AIJ CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance				
Desired:	K19IZ-D	D19	LD	CP	ACKERLY, TX	BNPDTL20100323AIJ					
Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		72.5 km				
	K18NO-D	D18	LD	CP	LUBBOCK, TX	BLANK00000151429	99.9				
	KTLE-LD	D20z	LD	LIC	ODESSA, TX	BLANK00000068037	92.1				
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX			
1578.5      1,414		1568.4      1,414		1568.4      1,414		1546.4      1,408		1.41      0.42			
Undesired				Total IX	Unique IX, before	Unique IX, after					
K48ON-D D19 LD APP				22.1      6		22.1      6					

-----  
Interference to BLCDDT20110520ADN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance				
Desired:	KIDY	D19	DT	LIC	SAN ANGELO, TX	BLCDDT20110520ADN					
Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		176.0 km				
	KGBS-CD	D19	DC	CP	AUSTIN, TX	BLANK00000127539	294.8				
	KTXS-TV	D20	DT	CP	SWEETWATER, TX	BLANK00000035779	99.4				
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX			
7227.3      116,605		7131.3      116,590		6968.4      116,504		6951.2      116,504		0.25      0.00			
Undesired				Total IX	Unique IX, before	Unique IX, after					
K48ON-D D19 LD APP				17.2      0		17.2      0					
KTXS-TV D20 DT CP				162.8      86	162.8      86	162.8      86					

-----  
Interference to BLCDDT20110520ADN LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIDY	D19	DT	LIC	SAN ANGELO, TX	BLCDDT20110520ADN	

Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		176.0 km
	KGBS-CD	D19	DC	CP	AUSTIN, TX	BLANK00000127539	294.8
	KTXS-TV	D20	DT	LIC	SWEETWATER, TX	BLCDT20080815ABJ	99.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7227.3 116,605	7131.3 116,590	7093.8 116,589	7076.6 116,589	0.24 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K48ON-D D19 LD APP 17.2	0	17.2	0
KTXS-TV D20 DT LIC 37.4	1	37.4	1

-----

Interference to BLANK0000068037 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTLE-LD	D20z	LD	LIC	ODESSA, TX	BLANK0000068037	
Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		21.6 km
	KTXS-TV	D20	DT	CP	SWEETWATER, TX	BLANK0000035779	217.6
	K21GU	D21z	LD	CP	MIDLAND, TX	BLANK0000071620	30.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5366.9 272,997	5362.9 272,997	5299.2 272,671	5135.1 272,645	3.10 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
K48ON-D D19 LD APP 164.1	26	164.1	26
KTXS-TV D20 DT CP 37.4	0	36.4	0
K21GU D21z LD CP 27.2	326	26.2	326

-----

Interference to BLANK0000068037 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTLE-LD	D20z	LD	LIC	ODESSA, TX	BLANK0000068037	
Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		21.6 km
	KTXS-TV	D20	DT	CP	SWEETWATER, TX	BLANK0000035779	217.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5366.9 272,997	5362.9 272,997	5325.4 272,997	5161.3 272,971	3.08 0.01
Undesired	Total IX	Unique IX, before	Unique IX, after	
K48ON-D D19 LD APP 164.1	26	164.1 26		
KTXS-TV D20 DT CP 37.4	0	37.4 0	37.4 0	

-----  
Interference to BLANK0000068037 LIC scenario 3

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KTLE-LD	D20z	LD	LIC	ODESSA, TX	BLANK0000068037	
Undesireds: K48ON-D	D19	LD	APP	ODESSA, TX		21.6 km
K21GU	D21z	LD	CP	MIDLAND, TX	BLANK0000071620	30.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5366.9 272,997	5362.9 272,997	5335.6 272,671	5171.6 272,645	3.08 0.01
Undesired	Total IX	Unique IX, before	Unique IX, after	
K48ON-D D19 LD APP 164.1	26	164.1 26		
K21GU D21z LD CP 27.2	326	27.2 326	27.2 326	

-----  
Interference to BLANK0000068037 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KTLE-LD	D20z	LD	LIC	ODESSA, TX	BLANK0000068037	
Undesireds: K48ON-D	D19	LD	APP	ODESSA, TX		21.6 km

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5366.9 272,997	5362.9 272,997	5362.9 272,997	5198.8 272,971	3.06 0.01
Undesired	Total IX	Unique IX, before	Unique IX, after	
K48ON-D D19 LD APP 164.1	26	164.1 26		

-----  
Interference to BLANK0000143742 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTLE-LD	D20z	LD	CP	ODESSA, TX	BLANK0000143742	
Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		21.6 km
	KTXS-TV	D20	DT	CP	SWEETWATER, TX	BLANK0000035779	217.6
	K21GU	D21z	LD	CP	MIDLAND, TX	BLANK0000071620	30.5
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	5409.3	272,997	5405.2	272,997	5343.6	272,671	5176.5 272,645 3.13 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
K48ON-D D19 LD APP		167.1		26		167.1	26
KTXS-TV D20 DT CP		35.4		0	34.4	0	34.4 0
K21GU D21z LD CP		27.2		326	26.2	326	26.2 326

-----  
Interference to BLANK0000143742 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTLE-LD	D20z	LD	CP	ODESSA, TX	BLANK0000143742	
Undesireds:	K48ON-D	D19	LD	APP	ODESSA, TX		21.6 km
	KTXS-TV	D20	DT	CP	SWEETWATER, TX	BLANK0000035779	217.6
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	5409.3	272,997	5405.2	272,997	5369.8	272,997	5202.7 272,971 3.11 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
K48ON-D D19 LD APP		167.1		26		167.1	26
KTXS-TV D20 DT CP		35.4		0	35.4	0	35.4 0

-----  
Interference to BLANK0000143742 CP scenario 3

Call	Chan	Svc	Status	City, State	File Number	Distance
------	------	-----	--------	-------------	-------------	----------

Desired: KTLE-LD D20z LD CP ODESSA, TX BLANK00000143742

Undesireds: K48ON-D D19 LD APP ODESSA, TX 21.6 km  
K21GU D21z LD CP MIDLAND, TX BLANK00000071620 30.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5409.3 272,997	5405.2 272,997	5378.0 272,671	5210.9 272,645	3.11 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
K48ON-D D19 LD APP 167.1	26	167.1 26	
K21GU D21z LD CP 27.2	326	27.2 326	27.2 326

-----  
Interference to BLANK00000143742 CP scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KTLE-LD	D20z	LD	CP	ODESSA, TX	BLANK00000143742	

Undesireds: K48ON-D D19 LD APP ODESSA, TX 21.6 km

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5409.3 272,997	5405.2 272,997	5405.2 272,997	5238.2 272,971	3.09 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
K48ON-D D19 LD APP 167.1	26	167.1 26	167.1 26

-----  
Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K48ON-D	D19	LD	APP	ODESSA, TX		

Undesireds: KUPB D18 DT LIC MIDLAND, TX BLC DT20090615ABW 36.0 km  
K19KT-D D19 LD LIC HOBBS, NM BLANK00000060808 103.9  
K19IZ-D D19 LD CP ACKERLY, TX BNPDTL20100323AIJ 72.5  
KTLE-LD D20z LD LIC ODESSA, TX BLANK00000068037 21.6

Service area	Terrain-limited	IX-free	Percent IX
--------------	-----------------	---------	------------



7080.4	292,646	7078.4	292,646	6812.5	292,451	3.76	0.07
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KUPB D18 DT LIC	95.1	20	94.0	20	1.33	0.01	
K19KT-D D19 LD LIC	46.2	25	46.2	25	0.65	0.01	
K19IZ-D D19 LD CP	124.6	150	124.6	150	1.76	0.05	
KTLE-LD D20z LD LIC	1.0	0	0.0	0	0.00	0.00	

-----  
Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K48ON-D	D19	LD	APP	ODESSA, TX		
Undesireds:	KUPB	D18	DT	LIC	MIDLAND, TX	BLCDT20090615ABW	36.0 km
	K19KT-D	D19	LD	LIC	HOBBS, NM	BLANK0000060808	103.9
	K19IZ-D	D19	LD	CP	ACKERLY, TX	BNPDTL20100323AIJ	72.5
	KTLE-LD	D20z	LD	CP	ODESSA, TX	BLANK0000143742	21.6

Service area		Terrain-limited		IX-free		Percent IX	
7080.4	292,646	7078.4	292,646	6812.5	292,451	3.76	0.07
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KUPB D18 DT LIC	95.1	20	94.0	20	1.33	0.01	
K19KT-D D19 LD LIC	46.2	25	46.2	25	0.65	0.01	
K19IZ-D D19 LD CP	124.6	150	124.6	150	1.76	0.05	
KTLE-LD D20z LD CP	1.0	0	0.0	0	0.00	0.00	