tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K26KJ-D D27 STA, Model: Longley-Rice
Start: 2019.02.19 17:43:41

Study created: 2019.02.19 17:43:41

Study build station data: LMS TV 2019-02-18

    Proposal: K26KJ-D D27 LD STA EL PASO, TX
 File number: K26KJ-D D27 STA
 Facility ID: 59114
Station data: User record
   Record ID: 2472
     Country: U.S.

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

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K19HV	N19z	TX	LIC	DEMING, NM	BLTT20100629AOR	114.5 km
No	K20HA	N20z	TX	LIC	CABALLO, NM	BLTT20050202ADM	147.1
No	KCWF-LP	N20+	TX	LIC	LAS CRUCES, NM	BLTTL20110415AAC	71.6
No	K26MR-D	D26	LD	CP	HATCH, NM	BNPDTL20100513AEK	117.4
No	KTDO	D26	DT	CP	LAS CRUCES, NM	BLANK0000028544	0.0
No	KTDO	D26	DT	BL	LAS CRUCES, NM	DTVBL36916	0.0
No	K26LS-D	D26	LD	CP	LUNA, NM	BNPDTL20100504ANC	133.2
No	K26MV-D	D26	LD	LIC	SOLDIER CANYON, NM	BLANK0000019173	165.2
Yes	K27HP-D	D27	LD	LIC	ALAMOGORDO, NM	BLDTT20091211AEQ	126.9
No	K27GL-D	D27	LD	CP	HOBBS, NM	BLANK0000060815	334.3
No	K27GL-D	D27	LD	LIC	HOBBS, NM	BLDTT20121128BPR	334.5
No	KRPV-DT	D27	DT	LIC	ROSWELL, NM	BLCDT20090211ABQ	265.0
No	KASA-TV	D27	DT	LIC	SANTA FE, NM	BLCDT20090417AAS	378.9
No	K27BN	N27	TX	LIC	TRUTH OR CONSEQUENCE, NM	BLTT19871106IB	167.0
No	NEW	D27	LD	APP	FORT STOCKTON, TX	BNPDTL20100406ABY	315.1
No	KAMC	D27	DT	APP	LUBBOCK, TX	BLANK0000052586	472.2
No	KAMC	D27	DT	LIC	LUBBOCK, TX	BLCDT20080227ABN	472.2
No	K27LS-D	D27	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20091210ADM	388.1
No	K28HB	D28+	LD	CP	ALAMOGORDO, NM	BLANK0000054865	126.9
No	K28HB	N28+	TX	LIC	ALAMOGORDO, NM	BLTTL20010801ALG	127.5
No	K28QE-D	D28+	LD	LIC	CABALLO, NM	BLANK0000064063	146.8
No	K28GJ-D	D28	LD	LIC	HATCH, NM	BLDTT20100115ACL	113.0
No	KLCP-LP	N30	TX	LIC	LAS CRUCES, NM	BLTTL19990419JD	71.6
No	K34CR	N34	TX	LIC	ALAMOGORDO, ETC., NM	BLTT19890703IB	126.8
No	K34FU	N34-	TX	LIC	ARREY & DERRY, NM	BLTT20040325ACF	147.0
No	CADENATRES	D27	DT	LIC	CIUDAD CAMARGO, CH	BLANKBPFS20041202ABA	475.6
Yes	XHNCG	D27	DT	LIC	NUEVO CASAS GRANDES, CH	BLANKBPFS20160304AAJ	206.5
No	LICITACION	D28	DT	LIC	CIUDAD JUAREZ, CH	BLANKBPFS20160525AAO	10.7
No	LICITACION	D28	DT	LIC	NUEVO CASAS GRANDES, CH	BLANKBPFSXXXX0009XXX	206.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D27
       Mask: Full Service
   Latitude: 31 48 18.90 N (NAD83)
  Longitude: 106 29 0.70 W
Height AMSL: 1781.4 m
       HAAT: 0.0 m
   Peak ERP: 0.250 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 0.25

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.250 kW	215.3 m	30.6 km
45.0	0.250	580.8	42.6
90.0	0.250	583.6	42.6
135.0	0.250	658.0	43.8
180.0	0.250	610.7	43.0

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225.0      0.250      512.4     41.2
270.0      0.250      592.5     42.8
315.0      0.250      548.9     42.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 538 m

Distance to Canadian border: 1911.2 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 4.8 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 264.4 degrees   Distance: 301.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 6.5 degrees   Distance: 930.5 km

Study cell size: 1.00 km
Profile point spacing: 0.20 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%


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Interference to BLDTT20091211AEQ LIC scenario 1

             Call      Chan  Svc Status  City, State               File Number             Distance
Desired:     K27HP-D   D27   LD  LIC     ALAMOGORDO, NM            BLDTT20091211AEQ

Undesireds:  K26KJ-D   D27   LD  STA     EL PASO, TX               K26KJ-D D27 STA         126.9 km
             K27GL-D   D27   LD  CP      HOBBS, NM                 BLANK0000060815         261.2
             KASA-TV   D27   DT  LIC     SANTA FE, NM              BLCDT20090417AAS        270.0
             K28HB     D28+  LD  CP      ALAMOGORDO, NM            BLANK0000054865           0.1

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
  2493.7      47,916    2437.8      47,592    2367.9      47,592    2318.0      46,779     2.11     1.71

Undesired                          Total IX     Unique IX, before      Unique IX, after
K26KJ-D D27 LD STA        82.9          813                             49.9          813
KASA-TV D27 DT LIC        68.0            0      68.0            0      36.0            0
K28HB D28+ LD CP           2.0            0       2.0            0       1.0            0

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Interference to BLDTT20091211AEQ LIC scenario 2

             Call      Chan  Svc Status  City, State               File Number             Distance
Desired:     K27HP-D   D27   LD  LIC     ALAMOGORDO, NM            BLDTT20091211AEQ

Undesireds:  K26KJ-D   D27   LD  STA     EL PASO, TX               K26KJ-D D27 STA         126.9 km
             K27GL-D   D27   LD  CP      HOBBS, NM                 BLANK0000060815         261.2
             KASA-TV   D27   DT  LIC     SANTA FE, NM              BLCDT20090417AAS        270.0

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
  2493.7      47,916    2437.8      47,592    2369.9      47,592    2319.0      46,779     2.15     1.71

Undesired                          Total IX     Unique IX, before      Unique IX, after
K26KJ-D D27 LD STA        82.9          813                             50.9          813
KASA-TV D27 DT LIC        68.0            0      68.0            0      36.0            0

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Interference to BLANKBPFS20160304AAJ LIC scenario 1

             Call      Chan  Svc Status  City, State               File Number             Distance
Desired:     XHNCG     D27   DT  LIC     NUEVO CASAS GRANDES, CH   BLANKBPFS20160304AAJ

Undesireds:  K26KJ-D   D27   LD  STA     EL PASO, TX               K26KJ-D D27 STA         206.5 km

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
  4599.8      69,373    3557.5      68,675    3557.5      68,675    3554.5      68,675     0.08     0.00

Undesired                          Total IX     Unique IX, before      Unique IX, after
K26KJ-D D27 LD STA         3.0            0                              3.0            0

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Interference to proposal scenario 1
60.66% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26KJ-D	D27	LD	STA	EL PASO, TX	K26KJ-D D27 STA	
Undesireds:	KTDO	D26	DT	CP	LAS CRUCES, NM	BLANK0000028544	0.0 km
	K27HP-D	D27	LD	LIC	ALAMOGORDO, NM	BLDTT20091211AEQ	126.9
	K27GL-D	D27	LD	CP	HOBBS, NM	BLANK0000060815	334.3
	K28HB	D28+	LD	CP	ALAMOGORDO, NM	BLANK0000054865	126.9
	LICITACION	D28	DT	LIC	CIUDAD JUAREZ, CH	BLANKBPFS20160525AAO	10.7

Service area		Terrain-limited		IX-free		Percent IX		
3466.9	843,409	3353.9	841,081	1118.0	330,878	66.67	60.66	
1901.0	1,329,476	1540.1	1,316,283	509.0	321,021	66.95	75.61	(in Mexico)

Undesired	Total IX		Unique IX		Prcnt Unique IX		
KTDO D26 DT CP	1226.3	14,003	805.4	3,002	24.01	0.36	
KTDO D26 DT CP	665.9	3,988	485.3	3,476	31.51	0.26	(in Mexico)
K27HP-D D27 LD LIC	5.0	150	0.0	0	0.00	0.00	
K27HP-D D27 LD LIC	1.0	3	0.0	0	0.00	0.00	(in Mexico)
LICITACION D28 DT LIC	1425.5	507,051	1009.6	496,200	30.10	59.00	
LICITACION D28 DT LIC	544.8	991,783	365.2	991,274	23.71	75.31	(in Mexico)