Study created: 2018.04.27 00:50:05

Study build station data: LMS TV 2017-12-20 (6)

Proposal: K46HY-D D33 (D46) LD LIC SOCORRO, NM
File number: BLDTT20060901ABN
Facility ID: 127932
Station data: LMS TV 2017-12-20 (6)
Record ID: 413c82a8e54c4e5c8b6fcf6212b6c0ea
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	KVBA-LP	N19+	TX	LIC	ALAMOGORDO, NM	BLTTL20070720AAD	171.2 km
No	K31FX	N31z	TX	LIC	PIE TOWN & QUEMADO, NM	BLTT20090414ACC	90.4
No	K32LP-D	D32	LD	CP	MAGDALENA, NM	BNPDTL20100513AEC	52.7
No	KRTN-TV	D33	DD	APP	DURANGO, CO	BPCDT20130201BGY	364.6
No	KRTN-TV	D33	DT	LIC	DURANGO, CO	BLCDT20081029AAA	364.6
No	K33FK-D	D33	LD	LIC	ANGEL FIRE, NM	BLDTT20120509AAX	319.7
No	K45GJ-D	D33	LD	APP	CARLSBAD, NM	BLANK0000030284	308.7
No	K33ME-D	D33	LD	CP	DEMING, NM	BNPDTL20100504ANB	222.2
No	K33GA-D	D33	LD	LIC	GRANTS, MILAN, NM	BLDTT20110510ACI	144.6
No	K33FL-D	D33	LD	LIC	LAS VEGAS, NM	BLANK0000008071	230.6
No	K50IA	D33+	LD	APP	ROSWELL, NM	BLANK0000029438	229.0
No	K33BN	D33z	LD	CP	TAOS, NM	BLANK0000030758	265.4
No	K33BN	N33z	TX	LIC	TAOS, NM	BLTT20050912AAD	288.9
No	K33MK-D	D33	LD	CP	TAOS, NM	BNPDTT20100730ADS	288.9
No	K34CR	N34	TX	LIC	ALAMOGORDO, ETC., NM	BLTT19890703IB	170.3
No	K34FU	N34-	TX	LIC	ARREY & DERRY, NM	BLTT20040325ACF	124.7
No	NEW	D34	LD	APP	MAGDALENA, NM	BNPDTL20100513AEA	52.7

No K40BP N40z TX LIC ALAMOGORDO, NM
BLTT19880316IF 170.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D33
       Mask: Stringent
   Latitude:  34  4 18.20 N (NAD83)
  Longitude: 106 57 46.90 W
Height AMSL: 2223.8 m
       HAAT: 0.0 m
   Peak ERP: 0.326 kW
    Antenna: (replication) 0.0 deg
Elev Pattrn: Generic
```

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	631.5 m	12.3 km
45.0	0.012	771.5	26.9
90.0	0.225	766.1	44.2
135.0	0.214	791.9	44.2
180.0	0.011	576.6	23.5
225.0	0.000	305.5	9.1
270.0	0.000	350.5	8.4
315.0	0.000	391.9	8.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 573 m

Distance to Canadian border: 1659.3 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 254.3 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 222.1 degrees Distance: 380.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 12.2 degrees Distance: 688.9 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%

No IX check failures found.