Study created: 2022.05.10 15:57:38

Study build station data: LMS TV 2022-04-26

Proposal: KVAD-LD D16 LD CP AMARILLO, TX
File number: BLANK0000180341
Facility ID: 167486
Station data: User record
Record ID: 1941
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K15LZ-D	D15	LD	LIC	TUCUMCARI, NM	BLANK0000115855	165.4 km
No	KCIT	D15	DT	LIC	AMARILLO, TX	BLANK0000004834	10.5
No	DDK31MX-D	D15-	LD	APP	Lubbock, TX	BLANK0000059343	195.5
No	K16LF-D	D16	LD	LIC	EADS, ETC., CO	BLANK0000001780	360.4
No	K16KA-D	D16	LD	LIC	PUEBLO, CO	BLANK0000005043	407.7
No	KTFQ-TV	D16	DT	LIC	ALBUQUERQUE, NM	BLANK0000075142	414.7
No	K16LR-D	D16	LD	LIC	ARTESIA, NM	BLANK0000055215	348.1
No	K16EX-D	D16	LD	LIC	CLOVIS, NM	BLDTT20121217ACM	151.9
No	K16CH-D	D16	LD	LIC	RATON, NM	BLDTL20110725ADQ	277.2
No	K16JG-D	D16	LD	CP	CLINTON, OK	BNPDTL20100406ACF	273.3
No	K16DX-D	D16	LD	LIC	GAGE, OK	BLDTT20101007ACF	230.3
No	K16AB-D	D16	LD	LIC	GUYMON, OK	BLDTT20100226AFE	160.7
No	KTWM-LD	D16+	LD	CP	LAWTON, OK	BLANK0000130317	319.5
No	KTWM-LD	D16+	LD	LIC	LAWTON, OK	BLANK0000120912	334.7
No	KOCM	D16	DT	LIC	NORMAN, OK	BLANK0000072046	399.6
No	K16IR-D	D16	LD	LIC	SAYRE, OK	BLDTT20100802BAA	197.2
No	K16LQ-D	D16	LD	LIC	SEILING, OK	BLANK0000058906	280.0
No	K16LY-D	D16	LD	LIC	CHILDRESS, TX	BLANK0000076192	175.4
No	KPTB-DT	D16	DT	LIC	LUBBOCK, TX	BLCDT20090210AFA	190.0
No	KSAN-TV	D16	DT	LIC	SAN ANGELO, TX	BLANK0000004868	426.0
Yes	K17HI-D	D17	LD	LIC	AMARILLO, TX	BLDTL20090401ABY	6.6
No	K17DS-D	D17	LD	LIC	CLARENDON, TX	BLDTT20091008AAY	95.3
No	DDK44HH	D17z	LD	APP	LUBBOCK, TX	BLANK0000054762	186.9
No	K17LB-D	D17	LD	LIC	PERRYTON, TX	BLDTT20120622ADJ	136.2
No	K17KS-D	D17	LD	CP	SHAMROCK, TX	BNPDTL20100416ABJ	150.1
No	KXVZ-LP	N18z	TX	LIC	PLAINVIEW, TX	BLTTL20061218ABI	114.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D16
       Mask: Stringent
   Latitude:  35 15 41.60 N (NAD83)
  Longitude: 101 52 53.80 W
Height AMSL: 1218.4 m
       HAAT: 0.0 m
   Peak ERP: 2.60 kW
    Antenna: SCA-4DR-16-2HW (ID 20732) 170.0 deg
Elev Pattrn: Generic
```

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.001 kW	187.9 m	8.5 km
45.0	0.015	168.1	15.2
90.0	1.77	126.0	36.7
135.0	1.83	112.6	35.9
180.0	2.32	105.7	36.4
225.0	2.56	98.1	36.1
270.0	0.875	131.0	33.4
315.0	0.001	185.8	8.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 139 m

Distance to Canadian border: 1526.9 km

Distance to Mexican border: 572.4 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 24.6 degrees Distance: 697.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 332.4 degrees Distance: 614.6 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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%

---- Below is IX received by proposal BLANK0000180341 ----

Proposal receives 10.89% interference from scenario 1
No IX check failures found.