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Study build station data: LMS TV 2022-01-14 #42

Proposal: KVAD-LD D16 LD LIC AMARILLO, TX
File number: BLDTL20091008ACB
Facility ID: 167486
Station data: User record
Record ID: 1656
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	K31MX-D	D15-	LD	CP	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
Yes	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: Full Service
Latitude: 35 15 41.60 N (NAD83)
Longitude: 101 52 53.80 W
Height AMSL: 1218.0 m
HAAT: 0.0 m
Peak ERP: 9.70 kW
Antenna: SWR-SWLP80I (ID 24202) 170.0 deg
Elev Pattn: Generic

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	4.35 kW	187.5 m	45.2 km
45.0	3.49	167.7	42.9
90.0	4.89	125.6	41.8
135.0	8.39	112.2	43.5
180.0	9.70	105.3	43.5
225.0	6.93	97.7	41.0
270.0	3.85	130.6	40.9
315.0	3.85	185.4	44.4

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 BLDTL20091008ACB ----

Proposal receives 6.09% interference from scenario 1
No IX check failures found.