tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KLHO-LD D26 15 KW-ND Pre-Post Transition, Model: Longley-Rice
Start: 2018.04.13 15:29:28

Study created: 2018.04.13 15:29:28

Study build station data: LMS TV 2018-04-12

    Proposal: KLHO-LD D26 LD APP OKLAHOMA CITY, OK
 File number: KLHO-LD D26 15 KW-ND Pre-Post Transition
 Facility ID: 188771
Station data: User record
   Record ID: 1746
     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	K25LQ-D	D25	LD	LIC	ELK CITY, OK	BLDTT20101008ABZ	164.0 km
No	K25IC	N25+	TX	LIC	LAWTON, OK	BLTTL20070212ACG	123.1
No	K25IC	D25	LD	CP	LAWTON, OK	BDFCDTL20100202ABP	128.2
Yes	KWTV-DT	D25	DT	CP	OKLAHOMA CITY, OK	BLANK0000028029	25.5
No	K25MA-D	D25	LD	CP	PONCA CITY, OK	BNPDTL20100216AAZ	136.6
No	KUTU-CD	D25	DC	LIC	TULSA, OK	BLDTA20110506AAV	158.4
No	KXUN-LD	D26	LD	APP	FORT SMITH, AR	BLANK0000048956	280.5
No	KZTE-LD	D26	LD	LIC	FULTON, AR	BLDTL20121226ADR	378.3
No	K26GS-D	D26	LD	LIC	HARRISON, AR	BLDTL20100517AFK	407.9
No	KVTH-DT	D26	DT	LIC	HOT SPRINGS, AR	BLCDT20090209ANJ	417.4
No	WROB-LD	D26	LD	LIC	TOPEKA, KS	BLDTL20140908AFA	426.7
No	KSAS-TV	D26	DT	LIC	WICHITA, KS	BLCDT20021120AAN	267.7
Yes	KTEN	D26	DT	LIC	ADA, OK	BLCDT20060630ABA	139.1
Yes	K47LR-D	D26	LD	APP	ELK CITY, OK	BLANK0000029971	164.0
No	K44IW-D	D26	LD	APP	HOLLIS, OK	BLANK0000029963	224.8
No	K26IR-D	D26	LD	LIC	STRONG CITY, OK	BLDTT20100521AEG	197.7
Yes	KOTV-DT	D26	DT	CP	TULSA, OK	BLANK0000028019	176.6
No	K26IS-D	D26	LD	LIC	WOODWARD, ETC., OK	BLDTT20101007ABL	210.7
No	KTES-LD	D26	LD	APP	ABILENE, TX	BLANK0000034274	409.3
No	K26KP-D	D26	LD	CP	CISCO, TX	BNPDTL20100304AAU	365.0
No	K26KC-D	D26	LD	LIC	DALLAS, TX	BLDTL20141017ACV	313.0
No	KCEB	D26	DT	LIC	LONGVIEW, TX	BLANK0000001435	416.1
No	K26KN-D	D26	LD	CP	MCCLEAN, TX	BNPDTL20100406ACQ	288.9
No	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	419.7
No	K26JR-D	D26	LD	LIC	TURKEY, TX	BLDTT20101115FOD	350.6
No	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	448.3
No	K44GS-D	D26-	LD	APP	WICHITA FALLS, TX	BLANK0000036005	195.5
No	K46AI-D	D27	LD	APP	DURANT, OK	BLANK0000029428	181.6
No	KUOC-LD	D27	LD	APP	ENID, OK	BLANK0000052463	151.3
Yes	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK	BLCDT20050701ABR	25.5
No	K40KC-D	D27	LD	APP	TULSA, OK	BLANK0000051831	154.3

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
KTLV 1220 L DA2 D MIDWEST CITY, OK BL
KTLV 1220 L DA2 N MIDWEST CITY, OK BL
KTOK 1000 L DA2 D OKLAHOMA CITY, OK BMML20120713AEL
KTOK 1000 L DA2 N OKLAHOMA CITY, OK BMML20120713AEL

Record parameters as studied:

    Channel: D26
       Mask: Stringent
   Latitude: 35 22 10.00 N (NAD83)
  Longitude: 97 27 37.00 W
Height AMSL: 499.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 1.00

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	128.6 m	46.5 km
45.0	15.0	121.8	46.0
90.0	15.0	130.0	46.6

135.0	15.0	147.5	47.8
180.0	15.0	139.9	47.2
225.0	15.0	135.8	47.0
270.0	15.0	112.9	45.3
315.0	15.0	124.3	46.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 130 m

Distance to Canadian border: 1440.5 km

Distance to Mexican border: 723.3 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 352.5 degrees Distance: 623.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 310.0 degrees Distance: 862.2 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%

Interference to BLCDT20060630ABA LIC scenario 1
**IX: 3.53% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTEN	D26	DT	LIC	ADA, OK	BLCDT20060630ABA	
Undesireds:	KLHO-LD	D26	LD	APP	OKLAHOMA CITY, OK	KLHO-LD D26 15 KW-ND P	139.1 km
	KVTH-DT	D26	DT	LIC	HOT SPRINGS, AR	BLCDT20090209ANJ	322.3
	KSAS-TV	D26	DT	LIC	WICHITA, KS	BLCDT20021120AAN	389.4
	KCEB	D26	DT	LIC	LONGVIEW, TX	BLANK0000001435	277.1
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	343.1
	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK	BLCDT20050701ABR	161.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
38648.2	565,278	38007.2	562,966	37532.7	550,390	36540.3	530,978	2.64	3.53

Undesired	Total IX		Unique IX, before		Unique IX, after	
KLHO-LD D26 LD APP	1262.9	26,463			992.5	19,412
KVTH-DT D26 DT LIC	1.0	0	0.0	0	0.0	0
KSAS-TV D26 DT LIC	2.0	54	1.0	0	0.0	0
KCEB D26 DT LIC	46.0	125	43.0	76	41.1	76
KXXV D26 DT LIC	141.0	4,389	139.0	4,340	133.0	4,303
KFOR-TV D27 DT LIC	288.5	8,111	287.5	8,057	28.9	1,146