INTERFERENCE ANALYSIS FOR PROPOSED K44DK-D, KINGMAN, AZ, CHANNEL 10

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: k44dk10p1, Model: Longley-Rice

Study build station data: LMS TV 2018-04-19

    Proposal: K44DK10P01 D10 LD APP KINGMAN, AZ
 File number: k44dk10p1
 Facility ID: 43415
Station data: User record
   Record ID: 2658
     Country: U.S.

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

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	240.8 km
Yes	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	143.3
Yes	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN	143.3
No	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	222.3
No	KMYU	D9	DT	LIC	ST. GEORGE, UT	BLCDT20021031ABG	222.3
Yes	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLCDT20100302AAI	257.6
No	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	427.6
No	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	254.4
No	K10IX-D	N10	TX	LIC	NEWBERRY SPRINGS, CA	BLTTV5095	254.4
Yes	K10QV-D	D10	LD	CP	PALM SPRINGS, CA	BNPDVL20100802AWS	268.1
Yes	KZSW-LD	D10	LD	LIC	RIVERSIDE, CA	BLANK0000048526	333.2
Yes	KGTV	D10	DT	APP	SAN DIEGO, CA	BLANK0000035697	396.5
No	KGTV	D10	DT	LIC	SAN DIEGO, CA	BLCDT20090410ANQ	396.5
Yes	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	295.1
No	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	294.8
No	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	274.7
No	K46EO-D	D10	LD	APP	LONG VALLEY JUNCTION, UT	BLANK0000029651	297.1
No	KDTP	D11	DT	APP	HOLBROOK, AZ	BLANK0000036124	276.8
No	K11LC-D	D11	LD	LIC	PRESCOTT, AZ	BLDTV20111206BCS	141.1
No	KYMA-DT	D11	DT	LIC	YUMA, AZ	BLCDT20100915ABS	240.7
Yes	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLEDT20120124ACO	143.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D10
       Mask: Full Service
   Latitude: 35 4 53.00 N (NAD83)
  Longitude: 113 54 16.80 W
Height AMSL: 2561.6 m
       HAAT: 0.0 m
   Peak ERP: 2.00 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.00 kW	1101.1 m	86.5 km
45.0	2.00	873.3	83.5
90.0	2.00	1102.8	86.5
135.0	2.00	1027.8	85.6
180.0	2.00	727.9	80.0
225.0	2.00	1176.6	87.2
270.0	2.00	1358.5	88.5
315.0	2.00	1268.6	87.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 1080 m

Distance to Canadian border: 1546.9 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 273.2 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 134.0 degrees   Distance: 560.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 51.1 degrees   Distance: 944.6 km

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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 BPCDT20120427AAB APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	143.3 km
	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	328.5
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	341.4
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	173.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
48585.8	2,069,086	34243.9	1,941,663	34120.3	1,941,320	34006.0	1,940,939	0.33	0.02

Undesired	Total IX		Unique IX, before		Unique IX, after	
K44DK10P01 D10 LD APP	126.2	712			114.3	381
KECY-TV D9 DT LIC	117.6	343	117.6	343	105.7	12
KCAL-TV D9 DT LIC	3.0	0	3.0	0	3.0	0
KMYU D9 DT APP	3.0	0	3.0	0	3.0	0

Interference to BLCDT20021120ABN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	143.3 km
	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	328.5
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	341.4
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	173.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
43577.9	2,042,237	30627.7	1,938,069	30551.9	1,938,065	30461.5	1,938,038	0.30	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K44DK10P01 D10 LD APP	92.4	27			90.4	27
KECY-TV D9 DT LIC	74.8	4	74.8	4	72.8	4
KCAL-TV D9 DT LIC	1.0	0	1.0	0	1.0	0

Interference to BLCDT20100302AAI LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLCDT20100302AAI	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	257.6 km
	KGUN-TV	D9	DT	LIC	TUCSON, AZ	BLANK0000001462	162.1
	KDTP	D11	DT	APP	HOLBROOK, AZ	BLANK0000036124	153.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
47128.9	4,208,152	38645.7	4,181,387	38391.8	4,181,081	37441.2	4,179,339	2.48	0.04

Undesired	Total IX		Unique IX, before		Unique IX, after	
K44DK10P01 D10 LD APP	950.6	1,742			950.6	1,742
KGUN-TV D9 DT LIC	145.3	306	145.3	306	145.3	306
KDTP D11 DT APP	108.6	0	108.6	0	108.6	0

Interference to BNPDVL20100802AWS CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K10QV-D	D10	LD	CP	PALM SPRINGS, CA	BNPDVL20100802AWS	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	268.1 km
	K09XW-D	D9	LD	LIC	PALM DESERT, ETC., CA	BLDTV20120725AFF	35.9
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	109.8
	KZSW-LD	D10	LD	LIC	RIVERSIDE, CA	BLANK0000048526	78.7
	KGTV	D10	DT	APP	SAN DIEGO, CA	BLANK0000035697	137.2
	K10PV-D	D10	LD	CP	SANTA BARBARA, CA	BPDTV20111104ABY	305.7
	KDUO-LP	D11-	LD	APP	PALM DESERT, CA	BLANK0000004544	0.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2195.1	401,076	2008.0	390,935	1949.7	390,345	1940.8	390,345	0.46	0.00

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Undesired		Total IX	Unique IX, before		Unique IX, after	
K44DK10P01 D10 LD APP	14.8	0			8.9	0
K09XW-D D9 LD LIC	5.9	41	4.0	0	4.0	0
KZSW-LD D10 LD LIC	44.5	5	44.5	5	41.5	5
KGTV D10 DT APP	4.0	0	4.0	0	1.0	0
KDUO-LP D11- LD APP	5.9	585	4.0	544	4.0	544

Interference to BLANK0000048526 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZSW-LD	D10	LD	LIC	RIVERSIDE, CA	BLANK0000048526	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	333.2 km
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	78.4
	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	204.9
	KIIO-LD	D10	LD	LIC	LOS ANGELES, CA	BLDVL20140702ABU	87.5
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	111.5
	K10QV-D	D10	LD	CP	PALM SPRINGS, CA	BNPDVL20100802AWS	78.7
	KGTV	D10	DT	APP	SAN DIEGO, CA	BLANK0000035697	124.7
	K10PV-D	D10	LD	CP	SANTA BARBARA, CA	BPDTV20111104ABY	227.5
	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFD	78.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7082.7	3,263,827	6001.3	2,923,825	5508.9	2,824,228	5508.9	2,824,228	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K44DK10P01 D10 LD APP	5.0	0			0.0	0
KCAL-TV D9 DT LIC	4.9	5,630	3.0	3,094	3.0	3,094
KERO-TV D10 DT LIC	6.0	0	4.0	0	2.0	0
KIIO-LD D10 LD LIC	7.9	2,537	4.0	0	4.0	0
K10QV-D D10 LD CP	35.6	4,517	32.6	4,517	31.6	4,517
KGTV D10 DT APP	417.2	63,474	405.4	53,834	405.4	53,834
K10PV-D D10 LD CP	1.0	1	0.0	0	0.0	0
KTTV D11 DT LIC	37.5	38,151	29.6	28,511	29.6	28,511

Interference to BLANK0000035697 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGTV	D10	DT	APP	SAN DIEGO, CA	BLANK0000035697	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	396.5 km
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	171.9
	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	315.9
	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFD	171.5
	LICITACION	D11	DT	LIC	TIJUANA, BN	BLANKBPFSXXXX0005XXX	42.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
28349.8	5,079,007	25317.2	4,487,726	25013.1	4,103,275	25008.1	4,103,275	0.02	0.00	
11563.1	1,759,281	10681.0	1,726,728	9954.8	1,638,376	9954.8	1,638,376	0.00	0.00	(in Mexico)

Undesired	Total IX		Unique IX, before		Unique IX, after		
K44DK10P01 D10 LD APP	5.0	0			5.0	0	
KCAL-TV D9 DT LIC	171.2	287,275	15.8	4,530	15.8	4,530	
KERO-TV D10 DT LIC	13.9	337	13.9	337	13.9	337	
KTTV D11 DT LIC	252.4	379,437	97.0	96,692	97.0	96,692	
LICITACION D11 DT LIC	22.0	147	22.0	147	22.0	147	
LICITACION D11 DT LIC	726.2	88,352	726.2	88,352	726.2	88,352	(in Mexico)

Interference to BLDTV20090728ABN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	295.1 km
	K09CJ-D	D9	LD	LIC	CEDAR CITY, UT	BLDTV20101008AAO	16.0
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	86.9
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	16.0
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	33.1
	K46EO-D	D10	LD	APP	LONG VALLEY JUNCTION, UT	BLANK0000029651	32.2
	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	16.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
982.4	40,085	623.6	14,296	427.1	10,745	427.1	10,745	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K44DK10P01 D10 LD APP	1.0	0			0.0	0
K09CJ-D D9 LD LIC	188.4	3,551	1.0	0	1.0	0
K10PN-D D10 LD LIC	194.5	3,551	6.1	0	6.1	0
K10CK N10 TX LIC	83.1	1,399	0.0	0	0.0	0
K46EO-D D10 LD APP	1.0	0	1.0	0	0.0	0

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K11CQ-D D11 LD LIC 183.4 3,551 0.0 0 0.0 0

Interference to BMLEDT20120124ACO LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLEDT20120124ACO	
Undesireds:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	143.3 km
	KDTP	D11	DT	APP	HOLBROOK, AZ	BLANK0000036124	406.5
	KYMA-DT	D11	DT	LIC	YUMA, AZ	BLCDT20100915ABS	328.6
	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFD	341.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
44201.0	2,043,621	31129.1	1,937,840	30973.7	1,937,554	30961.8	1,937,552	0.04	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K44DK10P01 D10 LD APP	22.9	43			11.9	2
KDTP D11 DT APP	11.9	0	9.9	0	4.0	0
KYMA-DT D11 DT LIC	127.6	286	125.6	286	121.6	245
KTTV D11 DT LIC	17.9	0	17.9	0	17.9	0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	
Undesireds:	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	143.3 km
	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLCDT20100302AAI	257.6
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	254.4
	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLEDT20120124ACO	143.3

Service area		Terrain-limited		IX-free		Percent IX	
23187.2	201,507	18149.7	86,238	18113.7	86,238	0.20	0.00

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KVVU-TV D9 DT APP	11.9	0	0.0	0	0.00	0.00
KSAZ-TV D10 DT LIC	23.1	0	23.1	0	0.13	0.00
KLVX D11 DT LIC	12.9	0	1.0	0	0.01	0.00

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K44DK10P01	D10	LD	APP	KINGMAN, AZ	k44dk10p1	
Undesireds:	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN	143.3 km
	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLCDT20100302AAI	257.6
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	254.4
	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLEDT20120124ACO	143.3

Service area		Terrain-limited		IX-free		Percent IX	
23187.2	201,507	18149.7	86,238	18113.7	86,238	0.20	0.00

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KVVU-TV D9 DT LIC	6.9	0	0.0	0	0.00	0.00
KSAZ-TV D10 DT LIC	23.1	0	23.1	0	0.13	0.00
KLVX D11 DT LIC	12.9	0	6.0	0	0.03	0.00
