INTERFERENCE ANALYSIS FOR PROPOSED K40AD-D
COTTONWOOD, ETC., AZ (CHANNEL 29)

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tvstudy v2.2.4 (Z2Qqz3)
Database: localhost,  Study: k40ad29am2,  Model: Longley-Rice

Study build station data: LMS TV 2018-01-31 (126)

    Proposal: K40AD29AM2 D29 LD APP COTTONWOOD, ETC., AZ
 File number: k40ad29am2
 Facility ID: 41224
Station data: User record
   Record ID: 2132
     Country: U.S.

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

Stations potentially affected by proposal:
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IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K15HY	N15z	TX	LIC	WILLIAMS-ASHFORK, AZ	BLTT20101020ACA	57.6 km
No	K21GE	N21-	TX	LIC	CAMP VERDE, AZ	BLTT20040830AAI	32.8
No	K25MK-D	N25	TX	LIC	CAMP VERDE, AZ	BLTT20120316AAL	32.8
No	K38AI-D	D28	LD	APP	COTTONWOOD, AZ	BLANK0000033859	0.0
No	K28CW-D	D28	LD	LIC	FLAGSTAFF, AZ	BLDTT20120731ACI	77.7
No	K28MO-D	D28	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APJ	145.9
No	KCOS-LP	D28	LD	APP	PHOENIX, AZ	BDFCDTL20111107AFN	139.6
No	KCOS-LP	N28-	TX	LIC	PHOENIX, AZ	BLTTL19990325JD	139.6
Yes	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	172.1
Yes	K29KO-D	D29	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APR	190.8
Yes	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	195.5
Yes	K48AY-D	D29	LD	APP	KINGMAN, AZ	BLANK0000040079	168.8
No	K29FD-D	D29	LD	LIC	LAKE HAVASU CITY, AZ	BLDTT20130308ABP	206.3
Yes	KTAZ	D29	DT	CP	PHOENIX, AZ	BLANK0000026902	150.4
Yes	KTAZ	D29	DT	APP	PHOENIX, AZ	BLANK0000034901	150.4
Yes	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	286.4
No	K29EC	N29z	TX	LIC	BLYTHE, CA	BLTT20020311ABI	240.0
No	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	358.6
No	K29GK	D29	LD	APP	TWENTYNINE PALMS,ETC, CA	BDFCDTT20120113AEJ	358.6
No	NEW	D29	LD	APP	WINTERHAVEN, CA	BNPDTL20100510AAX	330.1
No	K29KT-D	D29	LD	LIC	THOREAU, NM	BLDTT20130128ADX	363.1
No	KVCW	D29	DT	LIC	LAS VEGAS, NV	BLCDT20070109AAW	300.3
No	K29JA-D	D29	LD	LIC	ALTON, UT	BLDTT20091211AGI	301.1
No	K29HN-D	D29	LD	LIC	ESCALANTE, UT	BLDTT20110503ABJ	347.7
No	K29GJ-D	D29	LD	LIC	TROPIC & CANNONVILLE, UT	BLDTL20090708AJI	336.2
Yes	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	32.8
No	K30DT	N30z	TX	LIC	FLAGSTAFF, AZ	BLTT19921023JD	77.7
No	K30DT	D30	LD	CP	FLAGSTAFF, AZ	BDFCDTT20110422ABH	77.7
No	K30MM-D	D30	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100707EBQ	156.2
No	K30LL-D	D30	LD	LIC	KINGMAN, AZ	BLDTT20111207AFE	168.8
Yes	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	43.9
No	K31LZ	N31	TX	CP	CAMP VERDE, AZ	BMPTTL20130125AAD	32.8
No	K31LZ	N31	TX	LIC	CAMP VERDE, AZ	BLTTL20130125AAC	32.8
No	KKAX-LP	N36	TX	LIC	HILLTOP, AZ	BLTTL20030722AAR	168.8

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No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D29
       Mask: Full Service
   Latitude:  34 41 12.00 N (NAD83)
  Longitude: 112  7  1.80 W
Height AMSL: 2349.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: ERI-AL8-28-2 (ID 1002163) 290.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.25

50.2 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   9.72 kW   800.6 m   70.1 km
 45.0       14.3     1159.7     80.6
 90.0       14.0     1197.4     81.2
135.0        9.16     790.3     69.5
180.0        6.20     623.2     63.4
225.0        7.21     577.3     63.1
270.0        7.08     599.7     63.6
315.0        6.33     427.5     57.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 772 m
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INTERFERENCE ANALYSIS FOR PROPOSED K40AD-D
COTTONWOOD, ETC., AZ (CHANNEL 29)

Distance to Canadian border: 1590.8 km

Distance to Mexican border: 315.2 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 146.4 degrees Distance: 421.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 43.1 degrees Distance: 854.9 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%

Interference to BLANK0000001686 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	172.1 km
	K28MO-D	D28	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APJ	46.2
	KCOS-LP	D28	LD	APP	PHOENIX, AZ	BDFCDTL20111107AFN	39.9
	K29KO-D	D29	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APR	25.6
	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	91.5
	KTAZ	D29	DT	CP	PHOENIX, AZ	BLANK0000026902	30.9
	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	119.9
	K30MM-D	D30	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100707EBQ	20.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
3115.2	1,247,879	2756.5	1,155,491	192.2	20,856	192.2	20,856	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	46.9	4,162			0.0	0
K28MO-D D28 LD CP	9.0	83	0.0	0	0.0	0
K29KO-D D29 LD CP	596.8	45,216	8.0	0	8.0	0
KDOS-LD D29 LD LIC	722.7	111,216	0.0	0	0.0	0
KTAZ D29 DT CP	2545.3	1,132,614	1477.2	872,871	1465.2	872,729
KPCE-LP N29- TX LIC	66.9	13,413	1.0	0	1.0	0
K30MM-D D30 LD CP	191.9	167,281	5.0	2,021	5.0	2,021

Interference to BLANK0000001686 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	172.1 km
	K28MO-D	D28	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APJ	46.2
	KCOS-LP	D28	LD	APP	PHOENIX, AZ	BDFCDTL20111107AFN	39.9
	K29KO-D	D29	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APR	25.6
	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	91.5
	KTAZ	D29	DT	APP	PHOENIX, AZ	BLANK0000034901	30.9
	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	119.9
	K30MM-D	D30	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100707EBQ	20.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
3115.2	1,247,879	2756.5	1,155,491	175.3	20,741	175.3	20,741	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	46.9	4,162			0.0	0
K28MO-D D28 LD CP	9.0	83	0.0	0	0.0	0
K29KO-D D29 LD CP	596.8	45,216	7.0	0	7.0	0
KDOS-LD D29 LD LIC	722.7	111,216	0.0	0	0.0	0
KTAZ D29 DT APP	2563.3	1,132,729	1494.1	872,986	1482.1	872,844
KPCE-LP N29- TX LIC	66.9	13,413	1.0	0	1.0	0
K30MM-D D30 LD CP	191.9	167,281	5.0	2,021	5.0	2,021

Interference to BNPDTL20100713APR CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K29KO-D	D29	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APR	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	190.8 km
	KCOS-LP	D28	LD	APP	PHOENIX, AZ	BDFCDTL20111107AFN	51.9
	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	25.6
	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	75.1

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	KTAZ	D29	DT	CP	PHOENIX, AZ	BLANK0000026902	56.4
	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	96.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1220.2	103,698	1031.8	62,507	284.1	3,536	284.1	3,536	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	12.0	42			0.0	0
KGRQ-LD D29 LD LIC	554.1	48,017	8.0	16	8.0	16
KDOS-LD D29 LD LIC	328.9	47,519	9.0	371	9.0	371
KTAZ D29 DT CP	727.7	58,584	142.6	2,142	142.6	2,142
KPCE-LP N29- TX LIC	46.9	11,431	0.0	0	0.0	0

Interference to BNPDTL20100713APR CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K29KO-D	D29	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APR	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	190.8 km
	KCOS-LP	D28	LD	APP	PHOENIX, AZ	BDFCDTL20111107AFN	51.9
	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	25.6
	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	75.1
	KTAZ	D29	DT	APP	PHOENIX, AZ	BLANK0000034901	56.4
	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	96.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1220.2	103,698	1031.8	62,507	272.2	3,476	272.2	3,476	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	12.0	42			0.0	0
KGRQ-LD D29 LD LIC	554.1	48,017	8.0	16	8.0	16
KDOS-LD D29 LD LIC	328.9	47,519	9.0	371	9.0	371
KTAZ D29 DT APP	739.7	58,644	154.6	2,202	154.6	2,202
KPCE-LP N29- TX LIC	46.9	11,431	0.0	0	0.0	0

Interference to BLDTL20120306ABF LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	195.5 km
	KCOS-LP	D28	LD	APP	PHOENIX, AZ	BDFCDTL20111107AFN	78.7
	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	91.5
	K29KO-D	D29	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APR	75.1
	KTAZ	D29	DT	CP	PHOENIX, AZ	BLANK0000026902	114.5
	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	118.7
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	97.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
12169.0	43,124	9822.0	36,451	8629.4	29,628	8628.4	29,628	0.01	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	2.0	0			1.0	0
KGRQ-LD D29 LD LIC	55.7	43	14.9	0	14.9	0
K29KO-D D29 LD CP	14.0	238	5.0	63	5.0	63
KTAZ D29 DT CP	1172.7	6,760	1120.0	6,542	1119.0	6,542
KPCE-LP N29- TX LIC	4.0	0	0.0	0	0.0	0
KUAT-TV D30 DT LIC	2.0	0	0.0	0	0.0	0

Interference to BLDTL20120306ABF LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	195.5 km
	KCOS-LP	D28	LD	APP	PHOENIX, AZ	BDFCDTL20111107AFN	78.7
	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	91.5
	K29KO-D	D29	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100713APR	75.1
	KTAZ	D29	DT	APP	PHOENIX, AZ	BLANK0000034901	114.5
	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	118.7
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	97.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
12169.0	43,124	9822.0	36,451	8604.5	29,603	8603.5	29,603	0.01	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	2.0	0			1.0	0
KGRQ-LD D29 LD LIC	55.7	43	14.9	0	14.9	0
K29KO-D D29 LD CP	14.0	238	3.0	53	3.0	53
KTAZ D29 DT APP	1199.6	6,795	1144.9	6,567	1143.9	6,567
KPCE-LP N29- TX LIC	4.0	0	0.0	0	0.0	0

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KUAT-TV D30 DT LIC	2.0	0	0.0	0	0.0	0		

Interference to BLANK0000040079 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K48AY-D	D29	LD	APP	KINGMAN, AZ	BLANK0000040079	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	168.8 km
	K29FD-D	D29	LD	LIC	LAKE HAVASU CITY, AZ	BLDTT20130308ABP	68.1
	KTAZ	D29	DT	CP	PHOENIX, AZ	BLANK0000026902	257.7
	K29EC	N29z	TX	LIC	BLYTHE, CA	BLTT20020311ABI	172.9
	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	218.4
	KVKV-LP	D29+	LD	CP	VICTORVILLE, CA	BLANK0000013498	313.4
	KVCW	D29	DT	LIC	LAS VEGAS, NV	BLCDT20070109AAW	143.3
	K30LL-D	D30	LD	LIC	KINGMAN, AZ	BLDTT20111207AFE	0.1
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	42.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
9855.6	66,289	7923.0	62,824	7873.1	62,713	7872.1	62,713	0.01	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	1.0	0			1.0	0
K29FD-D D29 LD LIC	2.0	0	1.0	0	1.0	0
K29EC N29z TX LIC	3.0	0	0.0	0	0.0	0
KVCW D29 DT LIC	29.9	0	25.9	0	25.9	0
K30LL-D D30 LD LIC	19.0	111	19.0	111	19.0	111

Interference to BLANK0000040079 APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K48AY-D	D29	LD	APP	KINGMAN, AZ	BLANK0000040079	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	168.8 km
	K29FD-D	D29	LD	LIC	LAKE HAVASU CITY, AZ	BLDTT20130308ABP	68.1
	KTAZ	D29	DT	APP	PHOENIX, AZ	BLANK0000034901	257.7
	K29EC	N29z	TX	LIC	BLYTHE, CA	BLTT20020311ABI	172.9
	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	218.4
	KVKV-LP	D29+	LD	CP	VICTORVILLE, CA	BLANK0000013498	313.4
	KVCW	D29	DT	LIC	LAS VEGAS, NV	BLCDT20070109AAW	143.3
	K30LL-D	D30	LD	LIC	KINGMAN, AZ	BLDTT20111207AFE	0.1
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	42.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
9855.6	66,289	7923.0	62,824	7871.1	62,713	7870.1	62,713	0.01	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	1.0	0			1.0	0
K29FD-D D29 LD LIC	2.0	0	1.0	0	1.0	0
KTAZ D29 DT APP	2.0	0	2.0	0	2.0	0
K29EC N29z TX LIC	3.0	0	0.0	0	0.0	0
KVCW D29 DT LIC	29.9	0	25.9	0	25.9	0
K30LL-D D30 LD LIC	19.0	111	19.0	111	19.0	111

Interference to BLANK0000026902 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAZ	D29	DT	CP	PHOENIX, AZ	BLANK0000026902	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	150.4 km
	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLEDT20030115ABS	158.7
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	161.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
34353.3	4,177,274	27699.0	4,156,708	27601.2	4,155,931	26899.3	4,151,123	2.54	0.12

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	715.0	4,812			701.9	4,808
KUAS-TV D28 DT LIC	1.0	0	1.0	0	0.0	0
KUAT-TV D30 DT LIC	96.8	777	96.8	777	84.8	773

Interference to BLANK0000034901 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAZ	D29	DT	APP	PHOENIX, AZ	BLANK0000034901	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	150.4 km
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	161.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
36335.0	4,182,790	29294.6	4,159,823	29196.9	4,159,814	28400.8	4,155,176	2.73	0.11

INTERFERENCE ANALYSIS FOR PROPOSED K40AD-D
COTTONWOOD, ETC., AZ (CHANNEL 29)

Undesired		Total IX	Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	808.1	4,642			796.1	4,638
KUAT-TV D30 DT LIC	97.8	9	97.8	9	85.8	5

Interference to BLTTL20080605AAT LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	286.4 km
	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLEDT20030115ABS	11.0
	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	119.9
	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	118.7
	KTAZ	D29	DT	CP	PHOENIX, AZ	BLANK0000026902	149.5
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	42.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2553.5	879,892	2466.0	872,541	1715.1	778,868	1715.1	778,868	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	6.0	4			0.0	0
KUAS-TV D28 DT LIC	2.0	290	1.0	290	1.0	290
KGRQ-LD D29 LD LIC	33.1	4	4.0	0	4.0	0
KDOS-LD D29 LD LIC	251.6	2,230	39.3	0	39.3	0
KTAZ D29 DT CP	693.6	93,381	407.8	86,826	407.8	86,826
KUAT-TV D30 DT LIC	132.9	4,505	4.0	1	4.0	1

Interference to BLTTL20080605AAT LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	286.4 km
	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLEDT20030115ABS	11.0
	KGRQ-LD	D29	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001686	119.9
	KDOS-LD	D29	LD	LIC	GLOBE, AZ	BLDTL20120306ABF	118.7
	KTAZ	D29	DT	APP	PHOENIX, AZ	BLANK0000034901	149.5
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	42.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2553.5	879,892	2466.0	872,541	1688.9	760,539	1688.9	760,539	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	6.0	4			0.0	0
KUAS-TV D28 DT LIC	2.0	290	1.0	290	1.0	290
KGRQ-LD D29 LD LIC	33.1	4	4.0	0	4.0	0
KDOS-LD D29 LD LIC	251.6	2,230	35.2	0	35.2	0
KTAZ D29 DT APP	725.8	111,711	434.0	105,155	434.0	105,155
KUAT-TV D30 DT LIC	132.9	4,505	4.0	1	4.0	1

Interference to BLANK0000037004 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	32.8 km
	K30DT	N30z	TX	LIC	FLAGSTAFF, AZ	BLTT19921023JD	89.2
	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	60.6
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	252.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	236.6
	K31LZ	N31	TX	CP	CAMP VERDE, AZ	BMPTTL20130125AAD	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1666.6	55,586	1494.8	51,584	1404.4	51,539	1404.4	51,539	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	3.0	0			0.0	0
K30DT N30z TX LIC	29.2	14	19.1	14	16.1	14
K30JD-D D30 LD LIC	53.2	31	40.2	31	40.2	31
KUAT-TV D30 DT LIC	24.1	0	15.1	0	15.1	0

Interference to BLANK0000037004 APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	32.8 km
	K30DT	D30	LD	CP	FLAGSTAFF, AZ	BDFCDTT20110422ABH	89.2
	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	60.6

INTERFERENCE ANALYSIS FOR PROPOSED K40AD-D
COTTONWOOD, ETC., AZ (CHANNEL 29)

	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	252.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	236.6
	K31LZ	N31	TX	CP	CAMP VERDE, AZ	BMPTTL20130125AAD	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1666.6	55,586	1494.8	51,584	1367.2	51,539	1367.2	51,539	0.00	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	3.0	0		0.0	0
K30DT D30 LD CP	82.4	14	56.3	14	53.3	14
K30JD-D D30 LD LIC	53.2	31	31.1	31	31.1	31
KUAT-TV D30 DT LIC	24.1	0	12.1	0	12.1	0

Interference to BLANK0000037004 APP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	
Undesireds:	K40AD29AM2D29		LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	32.8 km
	K30DT	N30z	TX	LIC	FLAGSTAFF, AZ	BLTT19921023JD	89.2
	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	60.6
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	252.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	236.6
	K31LZ	N31	TX	LIC	CAMP VERDE, AZ	BLTTL20130125AAC	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1666.6	55,586	1494.8	51,584	1404.4	51,539	1404.4	51,539	0.00	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	3.0	0		0.0	0
K30DT N30z TX LIC	29.2	14	19.1	14	16.1	14
K30JD-D D30 LD LIC	53.2	31	40.2	31	40.2	31
KUAT-TV D30 DT LIC	24.1	0	15.1	0	15.1	0

Interference to BLANK0000037004 APP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	
Undesireds:	K40AD29AM2D29		LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	32.8 km
	K30DT	N30z	TX	LIC	FLAGSTAFF, AZ	BLTT19921023JD	89.2
	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	60.6
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	252.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	236.6
	K31LZ	D31	LD	CP	CAMP VERDE, AZ	BDFCDTL20111005AIM	0.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1666.6	55,586	1494.8	51,584	1404.4	51,539	1404.4	51,539	0.00	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	3.0	0		0.0	0
K30DT N30z TX LIC	29.2	14	18.1	14	15.1	14
K30JD-D D30 LD LIC	53.2	31	40.2	31	40.2	31
KUAT-TV D30 DT LIC	24.1	0	15.1	0	15.1	0
K31LZ D31 LD CP	1.0	0	0.0	0	0.0	0

Interference to BLANK0000037004 APP scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	
Undesireds:	K40AD29AM2D29		LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	32.8 km
	K30DT	D30	LD	CP	FLAGSTAFF, AZ	BDFCDTT20110422ABH	89.2
	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	60.6
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	252.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	236.6
	K31LZ	N31	TX	LIC	CAMP VERDE, AZ	BLTTL20130125AAC	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1666.6	55,586	1494.8	51,584	1367.2	51,539	1367.2	51,539	0.00	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	3.0	0		0.0	0
K30DT D30 LD CP	82.4	14	56.3	14	53.3	14
K30JD-D D30 LD LIC	53.2	31	31.1	31	31.1	31
KUAT-TV D30 DT LIC	24.1	0	12.1	0	12.1	0

Interference to BLANK0000037004 APP scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance

INTERFERENCE ANALYSIS FOR PROPOSED K40AD-D
COTTONWOOD, ETC., AZ (CHANNEL 29)

Desired:	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	32.8 km
	K30DT	D30	LD	CP	FLAGSTAFF, AZ	BDFCDTT20110422ABH	89.2
	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	60.6
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	252.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	236.6
	K31LZ	D31	LD	CP	CAMP VERDE, AZ	BDFCDTL20111005AIM	0.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1666.6	55,586	1494.8	51,584	1367.2	51,539	1367.2	51,539	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	3.0	0			0.0	0
K30DT D30 LD CP	82.4	14	55.3	14	52.3	14
K30JD-D D30 LD LIC	53.2	31	31.1	31	31.1	31
KUAT-TV D30 DT LIC	24.1	0	12.1	0	12.1	0
K31LZ D31 LD CP	1.0	0	0.0	0	0.0	0

Interference to BLDTT20130130AIN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	43.9 km
	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	60.6
	K30DT	N30z	TX	LIC	FLAGSTAFF, AZ	BLTT19921023JD	119.4
	K30MM-D	D30	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100707EBQ	143.8
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	285.7
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	178.4
	K30MH-D	D30	LD	LIC	OVERTON, NV	BLDTT20120309ACS	302.9
	K31LZ	N31	TX	CP	CAMP VERDE, AZ	BMPTTL20130125AAD	60.5
	K46IL-D	D31	LD	APP	VERDE VALLEY, ETC., AZ	BLANK0000034240	44.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2666.4	124,566	2019.7	97,747	1972.5	95,567	1971.5	95,567	0.05	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	2.0	0			1.0	0
K47IK D30+ LD APP	10.0	1,413	5.0	1,260	5.0	1,260
K30DT N30z TX LIC	13.0	477	13.0	477	13.0	477
K30MM-D D30 LD CP	2.0	153	0.0	0	0.0	0
KUAT-TV D30 DT LIC	28.1	443	23.1	290	23.1	290
K46IL-D D31 LD APP	1.0	0	1.0	0	0.0	0

Interference to BLDTT20130130AIN LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	
Undesireds:	K40AD29AM2	D29	LD	APP	COTTONWOOD, ETC., AZ	k40ad29am2	43.9 km
	K47IK	D30+	LD	APP	CAMP VERDE, AZ	BLANK0000037004	60.6
	K30DT	D30	LD	CP	FLAGSTAFF, AZ	BDFCDTT20110422ABH	119.4
	K30MM-D	D30	LD	CP	GILA RIVER INDIAN CO, AZ	BNPDTL20100707EBQ	143.8
	KUAT-TV	D30	DT	LIC	TUCSON, AZ	BLEDT20040727ABR	285.7
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	178.4
	K30MH-D	D30	LD	LIC	OVERTON, NV	BLDTT20120309ACS	302.9
	K31LZ	N31	TX	CP	CAMP VERDE, AZ	BMPTTL20130125AAD	60.5
	K46IL-D	D31	LD	APP	VERDE VALLEY, ETC., AZ	BLANK0000034240	44.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2666.4	124,566	2019.7	97,747	1960.4	95,101	1959.4	95,101	0.05	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K40AD29AM2 D29 LD APP	2.0	0			1.0	0
K47IK D30+ LD APP	10.0	1,413	5.0	1,260	5.0	1,260
K30DT D30 LD CP	25.1	943	25.1	943	25.1	943
K30MM-D D30 LD CP	2.0	153	0.0	0	0.0	0
KUAT-TV D30 DT LIC	28.1	443	23.1	290	23.1	290
K46IL-D D31 LD APP	1.0	0	1.0	0	0.0	0
