

Percent allowed new interference: 0.500  
 Percent allowed new interference to non Class A LPTV: 2.000  
 TW Census data selected 2000  
 Data Base Selected  
 /space/software/cdb/pt\_tvdb.sff  
 TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-28-2014 Time: 12:49:19

Record Selected for Analysis

K43DL USERRECORD-01 ZUNI NM US  
 Channel 43 ERP 1.05 kW HAAT 109. m RCAMSL 02198 m SIMPLE MASK  
 Latitude 035-06-50 Longitude 0108-44-12  
 Status APP Zone 2 Border Site number: 01  
 Dir Antenna Make CDB Model 00000000023502 Beam tilt N Ref Azimuth  
 240.  
 Last update Cutoff date Docket  
 Comments  
 Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station  
 Service Class = LD  
 Maximum height/power limits not checked

Site number 1			
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.002	33.0	3.843
45.0	0.001	112.9	5.477
90.0	0.001	127.4	6.109
135.0	0.002	57.6	5.104
180.0	0.003	85.5	6.595
225.0	0.402	212.7	31.730
270.0	0.029	178.7	16.746
315.0	0.003	68.6	5.750

Database HAAT does not agree with computed HAAT  
 Database HAAT: 109 Computed HAAT: 110

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
43	K43DL	ZUNI NM	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
28 -20021122ABJ	K28HM	THOREAU NM	59.7	LIC	BLTT
39 -20020320ADH	K39FY	ZUNI NM	0.2	LIC	BLTT
41 -20021016AAR	K41FK	TOHATCHI NM	88.4	LIC	BLTT
42 -20120127AER	K42IK-D	TOHATCHI NM	88.4	LIC	BLDTT
43 -19891030JN	K43CN	DUNCAN AZ	253.1	LIC	BLTT

43	K43IB-D	GLOBE-MIAMI AZ	277.9	LIC	BLDTT
-20130730AJD					
43	K43GQ-D	KLAGETOH AZ	74.8	LIC	BLDTT
-20120522AFE					
43	K43LW-D	PRESCOTT, ETC. AZ	353.3	CP	BDFCDTT
-20110315ABV					
43	K43LW-D	PRESCOTT, ETC. AZ	353.3	LIC	BLDTT
-20130703AAQ					
43	K43IE	WILLIAMS AZ	315.2	CP	BDFCDTT
-20130517ABA					
43	K43IE	WILLIAMS, ETC. AZ	315.2	LIC	BLTT
-20030805AIK					
43	K43GT	PAGOSA SPRINGS CO	273.8	LIC	BLTT
-20040213AFR					
43	KNMQ-LD	ALBUQUERQUE NM	208.0	LIC	BLDTL
-20121219AAN					
43	K43FU	DEMING NM	340.9	LIC	BLTT
-20020524AAC					
43	K43AI-D	FARMINGTON NM	179.0	LIC	BLDTT
-20090721ABX					
43	K43FI-D	LAS VEGAS NM	319.8	LIC	BLDTT
-20091112AKH					
43	K43MQ-D	MOON RANCH NM	345.1	LIC	BLDTT
-20110613ABD					
43	K43IA	TAOS NM	321.5	LIC	BLTT
-20060420ACX					
43	K43MD-D	BLANDING, ETC UT	309.8	LIC	BLDTT
-20120410ACO					
43	K43DY-D	RURAL GARFIELD COUNT UT	406.1	LIC	BLDTT
-20090218ACT					
44	K44BB	WINDOW ROCK AZ	60.0	LIC	BLTT
-19871001IH					
44	K44GC-D	AZTEC NM	203.7	LIC	BLDTT
-20090518ADG					
44	K44GD	CROWNPOINT NM	82.6	LIC	BLTT
-20040213AFQ					
44	K44HJ	SOCORRO NM	199.4	LIC	BLTT
-20041021AEX					
44	K44HJ	SOCORRO NM	199.4	CP	BDFCDTT
-20081222AAQ					
46	K46FI	GRANTS NM	104.7	LIC	BLTT
-20010814AAD					

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## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	K28HM	THOREAU NM	BLTT	-20021122ABJ

## Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
28 -20120127AG0	K28GT-D	CROWNPOINT NM	25.3	LIC	BLDTT
29 -20130128ADX	K29KT-D	THOREAU NM	0.0	LIC	BLDTT
43	K43DL	ZUNI NM	59.7	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	K39FY	ZUNI NM	BLTT	-20020320ADH

## Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
39 -20090709ADG	KTAZ	PHOENIX AZ	364.0	LIC	BLCDT
43	K43DL	ZUNI NM	0.2	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	K41FK	TOHATCHI NM	BLTT	-20021016AAR

## Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
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33	KRTN-TV	DURANGO CO	102.6	APP	BPCDT
-20130201BGY					
41	K41HU	FARMINGTON NM	100.4	APP	BNPTTL
-20000831BQY					
42	K42IK-D	TOHATCHI NM	0.0	LIC	BLDTT
-20120127AER					
43	K43DL	ZUNI NM	88.4	APP	USERRECORD-01
33	KRTN-TV	DURANGO CO		APP	BPCDT
-20130201BGY					

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 4

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	K42IK-D	TOHATCHI NM	BLDTT	-20120127AER

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
41	WJAN-CD	MIAMI FL	*****	APP	BPTTA
-20010116AGG					
41	K41FK	TOHATCHI NM	0.0	LIC	BLTT
-20021016AAR					
42	KLUZ-TV	ALBUQUERQUE NM	224.0	LIC	BLCDT
-20070823AAK					
43	K43DL	ZUNI NM	88.4	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 5

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43CN	DUNCAN AZ	BLTT	-19891030JN

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20020524AAC	K43FU	DEMING NM	177.4	LIC	BLTT
46 -20110128ADO	KUVE-DT	GREEN VALLEY AZ	141.3	LIC	BLCDT
46 -20110629ADT	KUVE-DT	GREEN VALLEY AZ	141.3	APP	BPCDT
43	K43DL	ZUNI NM	253.1	APP	USERRECORD-01
46 -20110629ADT	KUVE-DT	GREEN VALLEY AZ		APP	BPCDT

Proposal causes no interference

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#### Analysis of Interference to Affected Station 6

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43IB-D	GLOBE-MIAMI AZ	BLDTT	-20130730AJD

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -19891030JN	K43CN	DUNCAN AZ	153.5	LIC	BLTT
43	K43DL	ZUNI NM	277.9	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 7

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43GQ-D	KLAGETOH AZ	BLDTT	-20120522AFE

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
44 -19871001IH	K44BB	WINDOW ROCK AZ	14.9	LIC	BLTT

43 K43DL ZUNI NM 74.8 APP USERRECORD-01  
Proposal causes no interference

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#### Analysis of Interference to Affected Station 8

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43LW-D	PRESCOTT, ETC. AZ	BDFCDTT	-20110315ABV

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20130517ABA	K43IE	WILLIAMS AZ	84.4	CP	BDFCDTT
43 -20030805AIK	K43IE	WILLIAMS, ETC. AZ	84.4	LIC	BLTT
43	K43DL	ZUNI NM	353.3	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 9

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43LW-D	PRESCOTT, ETC. AZ	BLDTT	-20130703AAQ

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20130517ABA	K43IE	WILLIAMS AZ	84.4	CP	BDFCDTT
43 -20030805AIK	K43IE	WILLIAMS, ETC. AZ	84.4	LIC	BLTT
43	K43DL	ZUNI NM	353.3	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 10

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43IE	WILLIAMS AZ	BDFCDTT	-20130517ABA

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
43	K43LW-D	PRESCOTT, ETC. AZ	84.4	CP	BDFCDTT
-20110315ABV					
43	K43LW-D	PRESCOTT, ETC. AZ	84.4	LIC	BLDTT
-20130703AAQ					
43	K43DL	ZUNI NM	315.2	APP	USERRECORD-01
Proposal causes no interference					

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#### Analysis of Interference to Affected Station 11

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43IE	WILLIAMS, ETC. AZ	BLTT	-20030805AIK

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
43	K43DL	ZUNI NM	315.2	APP	USERRECORD-01
Proposal causes no interference					

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#### Analysis of Interference to Affected Station 12

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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43 K43GT PAGOSA SPRINGS CO BLTT -20040213AFR

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20030604ACP	K43CG	COLORADO SPRINGS CO	261.2	LIC	BLTTL
43 -20070104ACH	KPXC-TV	DENVER CO	373.0	APP	BMPCDT
43 -20080818ACR	KPXC-TV	DENVER CO	375.3	LIC	BLCDT
43 -19810724IM	K43AB	GRAND JUNCTION, ETC. CO	232.7	LIC	BLTT
43	K43DL	ZUNI NM	273.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	KNMQ-LD	ALBUQUERQUE NM	BLDTL	-20121219AAN

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
42 -20070823AAK	KLUZ-TV	ALBUQUERQUE NM	0.4	LIC	BLCDT
43	K43DL	ZUNI NM	208.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43FU	DEMING NM	BLTT	-20020524AAC

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
39 -20101008AAQ	KSCE	EL PASO TX	114.5	LIC	BLEDT
43 -19891030JN	K43CN	DUNCAN AZ	177.4	LIC	BLTT
47 -20090612ABA	KTD0	LAS CRUCES NM	114.5	LIC	BLCDT
51 -20120214ABE	KTFN	EL PASO TX	114.5	LIC	BLCDT
43	K43DL	ZUNI NM	340.9	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43AI-D	FARMINGTON NM	BLDTT	-20090721ABX

#### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20040213AFR	K43GT	PAGOSA SPRINGS CO	116.1	LIC	BLTT
43	K43DL	ZUNI NM	179.0	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43FI-D	LAS VEGAS NM	BLDTT	-20091112AKH

#### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
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42	KLUZ-TV	ALBUQUERQUE NM	116.3	LIC	BLCDT
-20070823AAK					
43	KNMQ-LD	ALBUQUERQUE NM	116.2	LIC	BLDTL
-20121219AAN					
43	K43MQ-D	MOON RANCH NM	67.9	LIC	BLDTT
-20110613ABD					
43	K43GW	RATON, ETC. NM	141.8	LIC	BLTT
-20031107AEU					
43	K43IA	TAOS NM	91.7	LIC	BLTT
-20060420ACX					
43	KLCW-TV	WOLFFORTH TX	388.2	LIC	BLCDT
-20110404AFU					
43	K43DL	ZUNI NM	319.8	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43MQ-D	MOON RANCH NM	BLDTT	-20110613ABD

#### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43	KNMQ-LD	ALBUQUERQUE NM	138.3	LIC	BLDTL
-20121219AAN					
43	KLCW-TV	WOLFFORTH TX	330.4	LIC	BLCDT
-20110404AFU					
43	K43DL	ZUNI NM	345.1	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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43 K43IA TAOS NM BLTT -20060420ACX

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20030604ACP	K43CG	COLORADO SPRINGS CO	267.8	LIC	BLTTL
43 -20031107AEU	K43GW	RATON, ETC. NM	105.6	LIC	BLTT
43	K43DL	ZUNI NM	321.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43MD-D	BLANDING, ETC UT	BLDTT	-20120410ACO

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
42 -20120410ACK	K42AD-D	BLANDING/MONTICELLO UT	0.0	LIC	BLDTT
43 -19810724IM	K43AB	GRAND JUNCTION, ETC. CO	175.6	LIC	BLTT
44 -20120410ACL	K44AG-D	BLANDING/MONTICELLO UT	0.0	LIC	BLDTT
43	K43DL	ZUNI NM	309.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43DY-D	RURAL GARFIELD COUNT UT	BLDTT	-20090218ACT

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20100803ACU	K43KL-D	PANGUITCH UT	51.8	LIC	BLDTT
43 -20030819AAB	K43IJ	WAYNE COUNTY (RURAL) UT	84.4	LIC	BLTT
43	K43DL	ZUNI NM	406.1	APP	USERRECORD-01
Proposal causes no interference					

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#### Analysis of Interference to Affected Station 21

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	K44BB	WINDOW ROCK AZ	BLTT	-19871001IH

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
43 -20120522AFE	K43GQ-D	KLAGETOH AZ	14.9	LIC	BLDTT
45 -20121029AAR	K45LU-D	WINDOW ROCK AZ	14.4	LIC	BLDTL
43	K43DL	ZUNI NM	60.0	APP	USERRECORD-01
Proposal causes no interference					

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#### Analysis of Interference to Affected Station 22

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	K44GC-D	AZTEC NM	BLDTT	-20090518ADG

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
44 -19880908IB	K44CA	CIMARRON CREEK, ETC. CO	170.2	LIC	BLTT
44 -19920702IC	K44DD	CHAMA NM	115.2	LIC	BLTT

43 K43DL ZUNI NM 203.7 APP USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 23

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	K44GD	CROWNPOINT NM	BLTT	-20040213AFQ

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
43	K43DL	ZUNI NM	82.6	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 24

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	K44HJ	SOCORRO NM	BLTT	-20041021AEX

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
42	KLUZ-TV	ALBUQUERQUE NM	135.1	LIC	BLCDT
-20070823AAK					
43	K43DL	ZUNI NM	199.4	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 25

# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	K44HJ	SOCORRO NM	BDFCDTT	-20081222AAQ

## Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
44 -20100513AEJ	NEW	TRUTH OR CONSEQUENCE NM	92.5	APP	BNPDTL
43	K43DL	ZUNI NM	199.4	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 26

# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	K46FI	GRANTS NM	BLTT	-20010814AAD

## Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
42 -20070823AAK	KLUZ-TV	ALBUQUERQUE NM	104.3	LIC	BLCDT
45 -20030429ABF	KASY-TV	ALBUQUERQUE NM	104.2	LIC	BLCDT
46 -20030403AAN	K46GY	SANTA FE NM	104.1	LIC	BLTT
43	K43DL	ZUNI NM	104.7	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 27

# Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	K43DL	ZUNI NM	USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
43	K43GQ-D	KLGETOH AZ	74.8	LIC	BLDTT
-20120522AFE					

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 27  
Before Analysis

Results for: 43A NM ZUNI	USERRECORD01	APP
HAAT 109.0 m, ATV ERP 1.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	7659	569.5
not affected by terrain losses	7659	523.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED