

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: 10-03-2014 Time: 22:46:22

Record Selected for Analysis

K24HQ USERRECORD-01 BOULDER CO US  
 Channel 24 ERP 0.25 kW HAAT 89. m RCAMSL 01776 m SIMPLE  
 MASK  
 Latitude 039-57-36 Longitude 0105-12-46  
 Status APP Zone 2 Border Site number: 01  
 Dir Antenna Make CDB Model 00000000037682 Beam tilt N Ref  
 Azimuth 180.  
 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	0.224	183.9	27.196
45.0	0.162	176.9	25.198
90.0	0.004	142.8	9.310
135.0	0.000	82.5	2.976
180.0	0.003	33.0	4.044
225.0	0.000	33.0	1.895
270.0	0.000	33.0	2.390
315.0	0.030	33.0	7.297

Database HAAT does not agree with computed HAAT  
 Database HAAT: 89 Computed HAAT: 90

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
24	K24HQ	BOULDER CO	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status
23	NEW	ASPEN CO	161.2	APP
Application Ref. No. BNPDTL				
-20090825BXH				
23	KZCS-LP	COLORADO SPRINGS CO	138.4	LIC
BLTTL				
-20021218AAJ				
23	KREG-TV	GLENWOOD SPRINGS CO	193.9	LIC
BLCDT				
-20120120ABJ				
23	K23DX-D	PITKIN CO	188.2	LIC
BLDTT				
-20101129AMF				
23	KCDO-TV	STERLING CO	108.8	LIC
BLCDT				
-20100127ADD				
23	KCDO-TV	KIMBALL NE	197.5	LIC
BLCDT				
-20100407ABE				
24	NEW	ASPEN CO	161.2	APP
BNPDTL				

-20090825BXI					
24	K24LQ-D	COLLBRAN CO	248.8	CP	BDCCDTT
-20140312ABH					
24	KRDO-TV	COLORADO SPRINGS CO	138.3	LIC	BLCDDT
-20060329AAW					
24	K24CH-D	CORTEZ, ETC CO	384.7	LIC	BLDDTT
-20090522ACF					
24	K24JO-D	CRAWFORD CO	248.1	LIC	BLDDTT
-20110728AIK					
24	KMLN-LD	FORT COLLINS CO	59.4	LIC	BLDDTL
-20130709ABW					
24	K24EZ-D	IDALIA CO	234.4	LIC	BLDDTT
-20110613AAH					
24	K24KR-D	JACKS CABIN CO	195.1	LIC	BLDDTT
-20120413ABE					
24	K24FU-D	PLEASANT VALLEY CO	269.9	LIC	BLDDTT
-20081211AFV					
24	K24LE-D	COLBY KS	377.1	CP	BNPDTL
-20100514AGK					
24	K24IY-D	RATON NM	370.9	LIC	BLDDTL
-20130225ADX					
24	KPAH-LP	LARAMIE WY	148.6	LIC	BLTTA
-20030519ACB					
25	KZCS-LP	COLORADO SPRINGS CO	138.4	CP	BDISDTL
-20090203AAX					
25	KPXH-LD	FORT COLLINS CO	65.5	LIC	BLDDTL
-20111110AJH					
25	K25LA-D	FORT MORGAN CO	132.1	LIC	BLDDTL
-20121204BRF					
25	K25LA-D	FORT MORGAN CO	89.3	APP	BPDTL
-20140910ADB					
25	K25MR-D	SNOWMASS VILLAGE CO	167.0	LIC	BLDDTT
-20120604AAD					
25	KHDE-LP	LARAMIE WY	126.7	LIC	BLTTL
-20080124AES					
27	K27CB	FRASER, ETC. CO	48.9	LIC	BLTT
-19890609IM					
28	K28GE	WOODLAND PARK CO	108.9	LIC	BLTTL
-19991203AAV					

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# Analysis of Interference to Affected Station 1

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	NEW	ASPEN CO	BNPDTL	-
20090825BXH				

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
22	NEW	ASPEN CO	0.0	APP
Application Ref. No. BNPDTL				
22	K22JM-D	GUNNISON CO	77.8	LIC
-20090825BXF				
23	KZCS-LP	COLORADO SPRINGS CO	178.6	LIC
-20121119AOW				
23	KREG-TV	GLENWOOD SPRINGS CO	50.6	LIC
-20021218AAJ				
23	K23DX-D	PITKIN CO	74.0	LIC
-20101129AMF				
23	KCDO-TV	STERLING CO	263.8	LIC
-20100127ADD				
24	NEW	ASPEN CO	0.0	APP
-20090825BXI				
24	K24KR-D	JACKS CABIN CO	57.0	LIC
-20120413ABE				
24	K24HQ	BOULDER CO	161.2	APP
-20120120ABJ				
USERRECORD-01				

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	KZCS-LP	COLORADO SPRINGS CO	BLTTL -
20021218AAJ			

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
15	KTFD-DT	BOULDER CO	107.4	LIC
Application Ref. No. BLCDDT				
19	KTVB	DENVER CO	114.1	LIC
-20110812AAS				
22	KXRM-TV	COLORADO SPRINGS CO	0.2	LIC
-20090218ABY				
23	KREG-TV	GLENWOOD SPRINGS CO	228.7	LIC
-20030702ABE				
23	KCDO-TV	STERLING CO	163.8	LIC
-20120120ABJ				
-20100127ADD				

24	KRDO-TV	COLORADO SPRINGS CO	0.3	LIC	BLCDDT
-20060329AAW					
24	K24HQ	BOULDER CO	138.4	APP	
USERRECORD-01					

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 3

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	KREG-TV	GLENWOOD SPRINGS CO	BLCDDT	-
20120120ABJ				

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
22	KXRM-TV	COLORADO SPRINGS CO	228.9	LIC BLCDDT
-20030702ABE				
23	KCDO-TV	STERLING CO	301.1	LIC BLCDDT
-20100127ADD				
24	KRDO-TV	COLORADO SPRINGS CO	228.9	LIC BLCDDT
-20060329AAW				
24	K24HQ	BOULDER CO	193.9	APP
USERRECORD-01				

Proposal causes no interference

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#### Analysis of Interference to Affected Station 4

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	K23DX-D	PITKIN CO	BLDTT	-
20101129AMF				

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
22	K22JM-D	GUNNISON CO	34.0	LIC BLDTL
-20121119AOW				

23	NEW	ASPEN CO	74.0	APP	BNPDTL
-20090825BXH					
23	KZCS-LP	COLORADO SPRINGS CO	145.0	LIC	BLTTL
-20021218AAJ					
23	KREG-TV	GLENWOOD SPRINGS CO	116.0	LIC	BLCDDT
-20120120ABJ					
23	KCDO-TV	STERLING CO	273.3	LIC	BLCDDT
-20100127ADD					
24	K24KR-D	JACKS CABIN CO	27.4	LIC	BLDTT
-20120413ABE					
24	K24HQ	BOULDER CO	188.2	APP	
USERRECORD-01					

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 5

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	KCDO-TV	STERLING CO	BLCDDT	-
20100127ADD				

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
22	KXRM-TV	COLORADO SPRINGS CO	163.7	LIC BLCDDT
-20030702ABE				
23	KREG-TV	GLENWOOD SPRINGS CO	301.1	LIC BLCDDT
-20120120ABJ				
24	KRDO-TV	COLORADO SPRINGS CO	163.6	LIC BLCDDT
-20060329AAW				
24	K24HQ	BOULDER CO	108.8	APP
USERRECORD-01				

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 5  
Before Analysis

Results for: 23A CO STERLING BLCDDT 20100127ADD  
LIC

HAAT 402.0 m, ATV ERP 1000.0 kW  
POPULATION AREA (sq km)

within Noise Limited Contour	2370650	37721.8
not affected by terrain losses	2310385	37278.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	27	3.9
lost to ATV IX only	27	3.9
lost to all IX	27	3.9

Potential Interfering Stations Included in above Scenario 1

24A CO COLORADO SPRINGS BLC DT 20060329AAW LIC

After Analysis

Results for: 23A CO STERLING BLC DT 20100127ADD  
LIC

HAAT 402.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2370650	37721.8
not affected by terrain losses	2310385	37278.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10017	86.3
lost to ATV IX only	10017	86.3
lost to all IX	10017	86.3

Potential Interfering Stations Included in above Scenario 1

24A CO COLORADO SPRINGS BLC DT 20060329AAW LIC  
24A CO BOULDER USERRECORD01 APP

Percent new IX = 0.4324%

Worst case new IX 0.4324% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	KCDO-TV	KIMBALL NE	BLC DT -
20100407ABE			

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
23	KZCS-LP	COLORADO SPRINGS CO	294.9	LIC BLTTL
-20021218AAJ				
23	KREG-TV	GLENWOOD SPRINGS CO	380.5	LIC BLC DT

-20120120ABJ  
 24 K24HQ BOULDER CO 197.5 APP  
 USERRECORD-01

Proposed station is beyond the site to  
 nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 7

Analysis of current record  
 Channel Call City/State Application Ref. No.  
 24 NEW ASPEN CO BNPDTL -  
 20090825BXI

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	NEW	ASPEN CO	0.0	APP	BNPDTL
-20090825BXH					
23	KREG-TV	GLENWOOD SPRINGS CO	50.6	LIC	BLCDDT
-20120120ABJ					
23	WWME-CA	CHICAGO IL	*****	APP	BPTTA
-20081023AAZ					
23	WWME-CA	CHICAGO IL	*****	LIC	BLTTA
-20040129AOW					
24	K24LQ-D	COLLBRAN CO	97.2	CP	BDCCDDT
-20140312ABH					
24	KRDO-TV	COLORADO SPRINGS CO	178.8	LIC	BLCDDT
-20060329AAW					
24	K24JO-D	CRAWFORD CO	87.7	LIC	BLDDTT
-20110728AIK					
24	KMLN-LD	FORT COLLINS CO	199.4	LIC	BLDDTL
-20130709ABW					
24	K24KR-D	JACKS CABIN CO	57.0	LIC	BLDDTT
-20120413ABE					
25	K25MR-D	SNOWMASS VILLAGE CO	6.4	LIC	BLDDTT
-20120604AAD					
24	K24HQ	BOULDER CO	161.2	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.
24	K24LQ-D	COLLBRAN CO	BDCCDTT -
20140312ABH			

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
23	KREG-TV	GLENWOOD SPRINGS CO	54.9	LIC BLCDDT
-20120120ABJ				
23	WWME-CA	CHICAGO IL	*****	APP BPTTA
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC BLTTA
-20040129AOW				
24	NEW	ASPEN CO	97.2	APP BNPDTL
-20090825BXI				
24	KRDO-TV	COLORADO SPRINGS CO	273.8	LIC BLCDDT
-20060329AAW				
24	K24JO-D	CRAWFORD CO	66.7	LIC BLDDT
-20110728AIK				
24	KPNZ	OGDEN UT	393.9	LIC BLCDDT
-20090617ABF				
25	K25FZ	GRAND JUNCTION CO	70.0	CP BDFCDTT
-20100524AAC				
24	K24HQ	BOULDER CO	248.8	APP
USERRECORD-01				
Proposal causes no interference				

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	KRDO-TV	COLORADO SPRINGS CO	BLCDDT -
20060329AAW			

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
23	KREG-TV	GLENWOOD SPRINGS CO	228.9	LIC BLCDDT
-20120120ABJ				
23	KCDO-TV	STERLING CO	163.6	LIC BLCDDT
-20100127ADD				
24	KNAT-TV	ALBUQUERQUE NM	417.3	LIC BLCDDT

-20130710AAN  
 24 K24HQ BOULDER CO 138.3 APP  
 USERRECORD-01

Total scenarios = 1

Result key: 2  
 Scenario 1 Affected station 9  
 Before Analysis

Results for: 24A CO COLORADO SPRINGS BLC DT 20060329AAW  
 LIC

HAAT 675.0 m, ATV ERP 200.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	2263356	31527.8
not affected by terrain losses	1851854	28514.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8561	1537.6
lost to ATV IX only	8561	1537.6
lost to all IX	8561	1537.6

Potential Interfering Stations Included in above Scenario 1

23A CO STERLING BLC DT 20100127ADD LIC

After Analysis

Results for: 24A CO COLORADO SPRINGS BLC DT 20060329AAW  
 LIC

HAAT 675.0 m, ATV ERP 200.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	2263356	31527.8
not affected by terrain losses	1851854	28514.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12000	1551.6
lost to ATV IX only	12000	1551.6
lost to all IX	12000	1551.6

Potential Interfering Stations Included in above Scenario 1

23A CO STERLING BLC DT 20100127ADD LIC  
 24A CO BOULDER USERRECORD01 APP

Percent new IX = 0.1866%

Worst case new IX 0.1866% Scenario 1

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# Analysis of Interference to Affected Station 10

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	K24CH-D	CORTEZ, ETC CO	BLDTT -
20090522ACF			

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
23	K23LH-D	CORTEZ CO	2.0	LIC BLDTT
-20110331AEZ				
23	K23GF-D	DOVE CREEK, ETC CO	80.4	LIC BLDTT
-20120615ABH				
23	WWME-CA	CHICAGO IL	*****	APP BPTTA
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC BLTTA
-20040129AOW				
23	K23KL-D	FARMINGTON NM	77.5	LIC BLDTT
-20100702BSP				
24	KRDO-TV	COLORADO SPRINGS CO	326.0	LIC BLCDD
-20060329AAW				
24	K24JO-D	CRAWFORD CO	157.0	LIC BLDTT
-20110728AIK				
24	KNAT-TV	ALBUQUERQUE NM	283.5	LIC BLCDD
-20130710AAN				
24	K24IV-D	FARMINGTON NM	107.8	LIC BLDTL
-20120522ABH				
25	K25LT-D	CORTEZ CO	2.0	LIC BLDTT
-20110331AFB				
25	K25GE-D	DURANGO CO	28.8	LIC BLDTT
-20111104ALO				
24	K24HQ	BOULDER CO	384.7	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.
24	K24JO-D	CRAWFORD CO	BLDTT -
20110728AIK			

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
23	NEW	ASPEN CO	87.7	APP BNPDTL
-20090825BXH				
23	KREG-TV	GLENWOOD SPRINGS CO	81.3	LIC BLCDT
-20120120ABJ				
23	WWME-CA	CHICAGO IL	*****	APP BPTTA
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC BLTTA
-20040129AOW				
24	NEW	ASPEN CO	87.7	APP BNPDTL
-20090825BXI				
24	K24LQ-D	COLLBRAN CO	66.7	CP BDCCDTT
-20140312ABH				
24	KRDO-TV	COLORADO SPRINGS CO	238.0	LIC BLCDT
-20060329AAW				
24	K24CH-D	CORTEZ, ETC CO	157.0	LIC BLDTT
-20090522ACF				
24	K24KR-D	JACKS CABIN CO	69.0	LIC BLDTT
-20120413ABE				
25	K25FZ	GRAND JUNCTION CO	106.2	CP BDFCDTT
-20100524AAC				
24	K24HQ	BOULDER CO	248.1	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.
24	KMLN-LD	FORT COLLINS CO	BLDTL -
20130709ABW			

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
23	KCDO-TV	STERLING CO	117.2	LIC BLCDT
-20100127ADD				
23	WWME-CA	CHICAGO IL	*****	APP BPTTA
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC BLTTA
-20040129AOW				
24	NEW	ASPEN CO	199.4	APP BNPDTL
-20090825BXI				
24	KRDO-TV	COLORADO SPRINGS CO	196.2	LIC BLCDT
-20060329AAW				

24	KPAH-LP	LARAMIE WY	90.7	LIC	BLTTA
-20030519ACB					
25	KPXH-LD	FORT COLLINS CO	6.3	LIC	BLDTL
-20111110AJH					
25	K25LA-D	FORT MORGAN CO	87.7	APP	BPDTL
-20140910ADB					
24	K24HQ	BOULDER CO	59.4	APP	
USERRECORD-01					

Total scenarios = 3

Result key: 3  
 Scenario 1 Affected station 12  
 Before Analysis

Results for: 24A CO FORT COLLINS BLDTL 20130709ABW  
 LIC

HAAT 556.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	332551	3762.9
not affected by terrain losses	332221	3725.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	42011	354.5
lost to ATV IX only	42011	354.5
lost to all IX	42011	354.5

Potential Interfering Stations Included in above Scenario 1

24A CO COLORADO SPRINGS	BLCDT	20060329AAW	LIC
25A CO FORT COLLINS	BLDTL	20111110AJH	LIC

After Analysis

Results for: 24A CO FORT COLLINS BLDTL 20130709ABW  
 LIC

HAAT 556.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	332551	3762.9
not affected by terrain losses	332221	3725.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	42017	360.5
lost to ATV IX only	42017	360.5
lost to all IX	42017	360.5

Potential Interfering Stations Included in above Scenario 1

24A CO COLORADO SPRINGS	BLCDT	20060329AAW	LIC
25A CO FORT COLLINS	BLDTL	20111110AJH	LIC
24A CO BOULDER	USERRECORD01		APP

Percent new IX = 0.0021%

Result key: 4  
 Scenario 2 Affected station 12  
 Before Analysis

Results for: 24A CO FORT COLLINS BLDTL 20130709ABW  
 LIC

HAAT 556.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	332551	3762.9
not affected by terrain losses	332221	3725.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	42057	355.5
lost to ATV IX only	42057	355.5
lost to all IX	42057	355.5

Potential Interfering Stations Included in above Scenario 2

24A CO COLORADO SPRINGS	BLCDT	20060329AAW	LIC
25A CO FORT COLLINS	BLDTL	20111110AJH	LIC
25A CO FORT MORGAN	BPDTL	20140910ADB	APP

After Analysis

Results for: 24A CO FORT COLLINS BLDTL 20130709ABW  
 LIC

HAAT 556.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	332551	3762.9
not affected by terrain losses	332221	3725.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	42063	361.5
lost to ATV IX only	42063	361.5
lost to all IX	42063	361.5

Potential Interfering Stations Included in above Scenario 2

24A CO COLORADO SPRINGS	BLCDT	20060329AAW	LIC
25A CO FORT COLLINS	BLDTL	20111110AJH	LIC
25A CO FORT MORGAN	BPDTL	20140910ADB	APP
24A CO BOULDER	USERRECORD01		APP

Percent new IX = 0.0021%

Result key: 5  
 Scenario 3 Affected station 12  
 Before Analysis

Results for: 24A CO FORT COLLINS BLDTL 20130709ABW  
 LIC

HAAT 556.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)

within Noise Limited Contour	332551	3762.9
not affected by terrain losses	332221	3725.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	42011	354.5
lost to ATV IX only	42011	354.5
lost to all IX	42011	354.5

Potential Interfering Stations Included in above Scenario 3

24A CO COLORADO SPRINGS	BLCDT	20060329AAW	LIC
25A CO FORT COLLINS	BLDTL	20111110AJH	LIC

After Analysis

Results for: 24A CO FORT COLLINS BLDTL 20130709ABW  
LIC

HAAT 556.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	332551	3762.9
not affected by terrain losses	332221	3725.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	42017	360.5
lost to ATV IX only	42017	360.5
lost to all IX	42017	360.5

Potential Interfering Stations Included in above Scenario 3

24A CO COLORADO SPRINGS	BLCDT	20060329AAW	LIC
25A CO FORT COLLINS	BLDTL	20111110AJH	LIC
24A CO BOULDER	USERRECORD01		APP

Percent new IX = 0.0021%

Worst case new IX 0.0021% Scenario 2

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	K24EZ-D	IDALIA CO	BLDTT -
20110613AAH			

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
23	KCDO-TV	STERLING CO	128.7	LIC BLCDT

-20100127ADD  
 23 WWME-CA CHICAGO IL \*\*\*\*\* APP BPTTA  
 -20081023AAZ  
 23 WWME-CA CHICAGO IL \*\*\*\*\* LIC BLTTA  
 -20040129AOW  
 24 KRDO-TV COLORADO SPRINGS CO 232.1 LIC BLCDD  
 -20060329AAW  
 24 K24HQ BOULDER CO 234.4 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.
24	K24KR-D	JACKS CABIN CO	BLDDT	-

20120413ABE

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
23	NEW	ASPEN CO	57.0	APP BNPDDL
-20090825BXH				
23	KREG-TV	GLENWOOD SPRINGS CO	92.0	LIC BLCDD
-20120120ABJ				
23	K23DX-D	PITKIN CO	27.4	LIC BLDDT
-20101129AMF				
23	WWME-CA	CHICAGO IL	*****	APP BPTTA
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC BLTTA
-20040129AOW				
24	NEW	ASPEN CO	57.0	APP BNPDDL
-20090825BXI				
24	KRDO-TV	COLORADO SPRINGS CO	169.1	LIC BLCDD
-20060329AAW				
24	K24CH-D	CORTEZ, ETC CO	190.1	LIC BLDDT
-20090522ACF				
24	K24JO-D	CRAWFORD CO	69.0	LIC BLDDT
-20110728AIK				
24	KNAT-TV	ALBUQUERQUE NM	390.4	LIC BLCDD
-20130710AAN				
24	K24HQ	BOULDER CO	195.1	APP

USERRECORD-01  
 Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	K24FU-D	PLEASANT VALLEY CO	BLDTT	-

20081211AFV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
23	NEW	HOLYOKE CO	20.7	APP
Application Ref. No. BNPDTT				
-20090825BFQ				
23	WWME-CA	CHICAGO IL	*****	APP
Application Ref. No. BPTTA				
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC
Application Ref. No. BLTTA				
-20040129AOW				
24	KRDO-TV	COLORADO SPRINGS CO	306.1	LIC
Application Ref. No. BLCDT				
-20060329AAW				
25	K25GZ-D	HOLYOKE CO	20.7	LIC
Application Ref. No. BLDTT				
-20110613AAP				
24	K24HQ	BOULDER CO	269.9	APP
Application Ref. No. 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.
24	K24LE-D	COLBY KS	BNPDTL	-

20100514AGK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
23	WWME-CA	CHICAGO IL	*****	APP
Application Ref. No. BPTTA				
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC
Application Ref. No. BLTTA				
-20040129AOW				
24	KRDO-TV	COLORADO SPRINGS CO	345.8	LIC
Application Ref. No. BLCDT				
-20060329AAW				
24	K24HQ	BOULDER CO	377.1	APP
Application Ref. No.				

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.
24	K24IY-D	RATON NM	BLDTL	-
20130225ADX				

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
23	WWME-CA	CHICAGO IL	*****	APP BPTTA
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC BLTTA
-20040129AOW				
23	K23JD-D	COLFAX NM	70.9	LIC BLDTT
-20100716ABZ				
24	KRDO-TV	COLORADO SPRINGS CO	232.7	LIC BLCDT
-20060329AAW				
24	KNAT-TV	ALBUQUERQUE NM	245.4	LIC BLCDT
-20130710AAN				
24	K24HQ	BOULDER CO	370.9	APP

USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	KPAH-LP	LARAMIE WY	BLTTA	-
20030519ACB				

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
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Application Ref. No.

21	KFCT	FORT COLLINS CO	88.7	LIC	BLCDT
-20070920ACM					
24	KRDO-TV	COLORADO SPRINGS CO	286.6	LIC	BLCDT
-20060329AAW					
24	KMLN-LD	FORT COLLINS CO	90.7	LIC	BLDTL
-20130709ABW					
25	KHDE-LP	LARAMIE WY	22.9	LIC	BLTTL
-20080124AES					
27	KLWY	CHEYENNE WY	53.3	LIC	BLCDT
-20090227AAD					
38	KPJR-TV	GREELEY CO	139.5	LIC	BLCDT
-20090612ADP					
24	K24HQ	BOULDER CO	148.6	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.
25	KZCS-LP	COLORADO SPRINGS CO	BDISDTL -
20090203AAX			

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
24	KRDO-TV	COLORADO SPRINGS CO	0.3	LIC BLCDT
-20060329AAW				
25	KPXH-LD	FORT COLLINS CO	202.5	LIC BLDTL
-20111110AJH				
25	K25LA-D	FORT MORGAN CO	172.2	APP BPDTL
-20140910ADB				
25	K25LJ-D	TRES PIEDRAS NM	232.8	LIC BLDTT
-20130613AAG				
26	KTLO-LP	COLORADO SPRINGS CO	0.2	CP BDISDTL
-20121128ALK				
26	KZDN-LD	DENVER CO	114.0	LIC BLDTL
-20111128FSO				
24	K24HQ	BOULDER CO	138.4	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.
25	KPXH-LD	FORT COLLINS CO	BLDTL	-
20111110AJH				

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
24	KMLN-LD	FORT COLLINS CO	6.3	LIC BLDTL
-20130709ABW				
25	KZCS-LP	COLORADO SPRINGS CO	202.5	CP BDISDTL
-20090203AAX				
25	K25LA-D	FORT MORGAN CO	91.2	APP BPDTL
-20140910ADB				
25	KHDE-LP	LARAMIE WY	64.0	LIC BLTTL
-20080124AES				
25	K25NC-D	WHEATLAND WY	149.5	CP BNPDTL
-20100510AEN				
26	KZDN-LD	DENVER CO	91.1	LIC BLDTL
-20111128FSO				
26	K26KR-D	CHEYENNE WY	69.7	CP BNPDTL
-20100324ACJ				
24	K24HQ	BOULDER CO	65.5	APP
USERRECORD-01				

Total scenarios = 3

Result key: 6  
Scenario 1 Affected station 20  
Before Analysis

Results for: 25A CO FORT COLLINS BLDTL 20111110AJH  
LIC

HAAT 639.0 m, ATV ERP 15.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	437560	6984.7
not affected by terrain losses	437168	6840.2
lost to NTSC IX	59	12.0
lost to additional IX by ATV	304	35.9
lost to ATV IX only	361	40.8
lost to all IX	363	47.8

Potential Interfering Stations Included in above Scenario 1

25N WY LARAMIE	BLTTL	20080124AES	LIC
25A CO COLORADO SPRINGS	BDISDTL	20090203AAX	CP

26A WY CHEYENNE                      BNPDTL              20100324ACJ    CP

After Analysis

Results for: 25A CO FORT COLLINS                      BLDTL              20111110AJH  
LIC

HAAT    639.0 m, ATV ERP    15.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	437560	6984.7
not affected by terrain losses	437168	6840.2
lost to NTSC IX	59	12.0
lost to additional IX by ATV	305	36.9
lost to ATV IX only	362	42.8
lost to all IX	364	48.8

Potential Interfering Stations Included in above Scenario              1

25N WY LARAMIE	BLTTL	20080124AES	LIC
25A CO COLORADO SPRINGS	BDISDTL	20090203AAX	CP
26A WY CHEYENNE	BNPDTL	20100324ACJ	CP
24A CO BOULDER	USERRECORD01		APP

Percent new IX =              0.0002%

Result key:                      7  
Scenario                      2    Affected station                      20  
Before Analysis

Results for: 25A CO FORT COLLINS                      BLDTL              20111110AJH  
LIC

HAAT    639.0 m, ATV ERP    15.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	437560	6984.7
not affected by terrain losses	437168	6840.2
lost to NTSC IX	59	12.0
lost to additional IX by ATV	1425	311.8
lost to ATV IX only	1484	322.7
lost to all IX	1484	323.7

Potential Interfering Stations Included in above Scenario              2

25N WY LARAMIE	BLTTL	20080124AES	LIC
25A CO COLORADO SPRINGS	BDISDTL	20090203AAX	CP
25A CO FORT MORGAN	BPDTL	20140910ADB	APP
26A WY CHEYENNE	BNPDTL	20100324ACJ	CP

After Analysis

Results for: 25A CO FORT COLLINS                      BLDTL              20111110AJH  
LIC

HAAT    639.0 m, ATV ERP    15.0 kW		
	POPULATION	AREA (sq km)

within Noise Limited Contour	437560	6984.7
not affected by terrain losses	437168	6840.2
lost to NTSC IX	59	12.0
lost to additional IX by ATV	1425	311.8
lost to ATV IX only	1484	322.7
lost to all IX	1484	323.7

Potential Interfering Stations Included in above Scenario 2

25N WY LARAMIE	BLTTL	20080124AES	LIC
25A CO COLORADO SPRINGS	BDISDTL	20090203AAX	CP
25A CO FORT MORGAN	BPDTL	20140910ADB	APP
26A WY CHEYENNE	BNPDTL	20100324ACJ	CP
24A CO BOULDER	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 8  
 Scenario 3 Affected station 20  
 Before Analysis

Results for: 25A CO FORT COLLINS BLDTL 20111110AJH  
 LIC

HAAT 639.0 m, ATV ERP 15.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	437560	6984.7
not affected by terrain losses	437168	6840.2
lost to NTSC IX	59	12.0
lost to additional IX by ATV	304	35.9
lost to ATV IX only	361	40.8
lost to all IX	363	47.8

Potential Interfering Stations Included in above Scenario 3

25N WY LARAMIE	BLTTL	20080124AES	LIC
25A CO COLORADO SPRINGS	BDISDTL	20090203AAX	CP
26A WY CHEYENNE	BNPDTL	20100324ACJ	CP

After Analysis

Results for: 25A CO FORT COLLINS BLDTL 20111110AJH  
 LIC

HAAT 639.0 m, ATV ERP 15.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	437560	6984.7
not affected by terrain losses	437168	6840.2
lost to NTSC IX	59	12.0
lost to additional IX by ATV	305	36.9
lost to ATV IX only	362	42.8
lost to all IX	364	48.8

Potential Interfering Stations Included in above Scenario 3

25N WY LARAMIE	BLTTL	20080124AES	LIC
25A CO COLORADO SPRINGS	BDISDTL	20090203AAX	CP
26A WY CHEYENNE	BNPDTL	20100324ACJ	CP
24A CO BOULDER	USERRECORD01		APP

Percent new IX = 0.0002%

Worst case new IX 0.0002% Scenario 1

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#### Analysis of Interference to Affected Station 21

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	K25LA-D	FORT MORGAN CO	BLDTL	-
20121204BRF				

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
25	KZCS-LP	COLORADO SPRINGS CO	191.9	CP BDISDTL
-20090203AAX				
25	KPXH-LD	FORT COLLINS CO	132.3	LIC BLDTL
-20111110AJH				
25	KHDE-LP	LARAMIE WY	178.8	LIC BLTTL
-20080124AES				
24	K24HQ	BOULDER CO	132.1	APP
USERRECORD-01				

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 22

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	K25LA-D	FORT MORGAN CO	BPDTL	-
20140910ADB				

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
24	KMLN-LD	FORT COLLINS CO	87.7	LIC
-20130709ABW				
25	KZCS-LP	COLORADO SPRINGS CO	172.2	CP
-20090203AAX				
25	KPXH-LD	FORT COLLINS CO	91.2	LIC
-20111110AJH				
25	KHDE-LP	LARAMIE WY	144.4	LIC
-20080124AES				
26	KZDN-LD	DENVER CO	102.1	LIC
-20111128FSO				
24	K24HQ	BOULDER CO	89.3	APP
USERRECORD-01				
Proposal causes no interference				

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#### Analysis of Interference to Affected Station 23

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
25	K25MR-D	SNOWMASS VILLAGE CO	BLDTT -
20120604AAD			

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
24	NEW	ASPEN CO	6.4	APP
-20090825BXI				
25	KZCS-LP	COLORADO SPRINGS CO	184.4	CP
-20090203AAX				
25	KPXH-LD	FORT COLLINS CO	207.8	LIC
-20111110AJH				
25	K25FZ	GRAND JUNCTION CO	159.1	CP
-20100524AAC				
25	K25FZ	GRAND JUNCTION CO	159.1	LIC
-19990706JH				
26	K26IT-D	REDSTONE, ETC. CO	26.6	LIC
-20091221ABA				
26	K26LH-D	SNOWMASS VILLAGE CO	0.0	LIC
-20120604AAE				
24	K24HQ	BOULDER CO	167.0	APP
USERRECORD-01				

Proposed station is beyond the site to  
nearest cell evaluation distance



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#### Analysis of Interference to Affected Station 24

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	KHDE-LP	LARAMIE WY	BLTTL	-

20080124AES

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
21	KFCT	FORT COLLINS CO	74.3	LIC BLCDT
-20070920ACM				
24	KPAH-LP	LARAMIE WY	22.9	LIC BLTTA
-20030519ACB				
25	KPXH-LD	FORT COLLINS CO	64.0	LIC BLDTL
-20111110AJH				
26	K26KR-D	CHEYENNE WY	44.9	CP BNPDTL
-20100324ACJ				
27	KLWY	CHEYENNE WY	49.9	LIC BLCDT
-20090227AAD				
29	KDEN-TV	LONGMONT CO	119.7	LIC BLCDT
-20100317AAM				
24	K24HQ	BOULDER CO	126.7	APP

USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 25

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	K27CB	FRASER, ETC. CO	BLTT	-

19890609IM

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
19	KTVD	DENVER CO	48.4	LIC BLCDT

-20090218ABY

23	KREG-TV	GLENWOOD SPRINGS CO	145.2	LIC	BLCDT
-20120120ABJ					
26	KZDN-LD	DENVER CO	48.2	LIC	BLDTL
-20111128FSO					
27	K27MA-D	BOULDER CO	48.2	LIC	BLDTL
-20120802ABC					
27	KGJT-CD	GRAND JUNCTION CO	227.5	LIC	BLTTL
-20010814AAV					
27	KLWY	CHEYENNE WY	151.4	LIC	BLCDT
-20090227AAD					
28	KLPD-LD	DENVER CO	48.2	LIC	BLDTL
-20090720AEH					
29	KDEN-TV	LONGMONT CO	78.8	LIC	BLCDT
-20100317AAM					
34	KWGN-TV	DENVER CO	48.0	LIC	BLCDT
-20091209ACA					
35	KCNC-TV	DENVER CO	48.4	LIC	BLCDT
-20090611AAQ					
24	K24HQ	BOULDER CO	48.9	APP	
USERRECORD-01					

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 26

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	K28GE	WOODLAND PARK CO	BLTTL	-
19991203AAV				

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
24	KRDO-TV	COLORADO SPRINGS CO	32.3	LIC BLCDT
-20060329AAW				
28	DK41JO	BROADMOOR CO	25.1	CP BDISDTL
-20120208AAH				
28	KLPD-LD	DENVER CO	83.8	LIC BLDTL
-20090720AEH				
29	KDEN-TV	LONGMONT CO	124.5	LIC BLCDT
-20100317AAM				
32	KDVR	DENVER CO	83.7	LIC BMLCDT
-20130627ABX				
35	KCNC-TV	DENVER CO	83.9	LIC BLCDT
-20090611AAQ				

42	KOAA-TV	PUEBLO CO	32.4	LIC	BLCDT
-20060810AFB					
43	K43CG	COLORADO SPRINGS CO	32.3	LIC	BLTTL
-20030604ACP					
43	KPXC-TV	DENVER CO	124.5	LIC	BLCDT
-20080818ACR					
43	KPXC-TV	DENVER CO	120.7	APP	BMPCDT
-20070104ACH					
24	K24HQ	BOULDER CO	108.9	APP	
USERRECORD-01					

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 27

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	K24HQ	BOULDER CO	USERRECORD-01

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				
23	KCDO-TV	STERLING CO	108.8	LIC BLCDT
-20100127ADD				
23	WWME-CA	CHICAGO IL	*****	APP BPTTA
-20081023AAZ				
23	WWME-CA	CHICAGO IL	*****	LIC BLTTA
-20040129AOW				
24	NEW	ASPEN CO	161.2	APP BNPDTL
-20090825BXI				
24	KRDO-TV	COLORADO SPRINGS CO	138.3	LIC BLCDT
-20060329AAW				
24	KMLN-LD	FORT COLLINS CO	59.4	LIC BLDTL
-20130709ABW				
24	KPAH-LP	LARAMIE WY	148.6	LIC BLTTA
-20030519ACB				
25	KPXH-LD	FORT COLLINS CO	65.5	LIC BLDTL
-20111110AJH				

Total scenarios = 1

Result key: 9  
Scenario 1 Affected station 27  
Before Analysis

Results for: 24A CO BOULDER

USERRECORD01

APP

HAAT 89.0 m, ATV ERP 0.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	240815	679.5
not affected by terrain losses	240815	679.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3823	11.8
lost to ATV IX only	3823	11.8
lost to all IX	3823	11.8

Potential Interfering Stations Included in above Scenario 1

24A CO COLORADO SPRINGS	BLCDT	20060329AAW	LIC
24A CO FORT COLLINS	BLDTL	20130709ABW	LIC
25A CO FORT COLLINS	BLDTL	20111110AJH	LIC

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