

TECHNICAL EXHIBIT  
APPLICATION FOR MODIFICATION OF  
CONSTRUCTION PERMIT  
TRANSLATOR STATION K15GL (DIGITAL)  
TRINIDAD, VALDEZ, ETC., COLORADO  
CHANNEL 15 0.18 KW

December 12, 2007

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Technical Statement

This Technical Exhibit was prepared in support of an application for modification of construction permit for translator station K15GL to relocate its transmitter site. See FCC File No. BDFCDTT-20060331AXH. The transmitter site will be re-located to an existing tower site located approximately 11 km north-northwest of the authorized transmitter site. This application is classified as a minor change pursuant to Section 73.3572 of the FCC Rules.

Response to Paragraph 13 (Interference)

The proposed facility complies with the following applicable FCC rule Sections: 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030. See Appendix 1 for a summary of the interference analysis conducted pursuant to FCC Office of Engineering and Technology Bulletin No. 69 (OET-69).

Environmental Considerations

The K15GL proposed facility was evaluated for compliance with the FCC RF exposure rules. The following table summarizes the facilities considered and the technical details and assumptions made in the analysis of the K15GL facility:

Call Sign / Mode	Channel / Frequency	Effective Radiated Power (kW)	Antenna Radiation Center Height Above Ground (meters)	Transmitting Antenna Make and Model / Polarization
K15GL / digital	15 / 476-482 MHz	0.18	21	ERI, AL8 / horizontal

Based on Section 73.1310 of the FCC Rules, the pertinent maximum permissible exposure (MPE) limit for the subject station is as follows:

Call Sign	Frequency (MHz)	MPE for General Population/Uncontrolled (GP/U) Exposure ( $\mu\text{W}/\text{cm}^2$ )	MPE for <u>5% Exclusion Level</u> for GP/U Exposure ( $\mu\text{W}/\text{cm}^2$ )
K15GL	479	319.3	16.0

Also indicated in the table above is the 5% MPE level below which RF energy level contributions are considered to be negligible. Those facilities that produce RF energy levels in excess of 5.0% of the applicable exposure limit at an accessible location are considered to be significant contributors and would share in the responsibility to bring the RF exposure levels into compliance in a multiple user environment.

Calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the facility will not result in human exposure to RF radiation at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground with the following results:

Call Sign	Distance (m)	Assumed Antenna Downward Relative Field Factor*	Calculated Power Density ( $\mu\text{W}/\text{cm}^2$ )	Percent of GP/U MPE (%)
K15GL	21	0.15	0.38	<b>0.12</b>

As indicated above, the exposure to RF radiation at 2-m above ground level will not exceed 0.12% of the FCC limit for general population / uncontrolled exposure.

Therefore, the facility complies with the FCC limits for human exposure to RF radiation.

The applicant shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from radio frequency radiation in excess of the FCC guidelines.



Louis R. du Treil, Jr.

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Sarasota, FL 34237

December 12, 2007

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\* This is a conservative estimate of downward relative field factor.

TECHNICAL EXHIBIT  
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TRANSLATOR STATION K15GL (DIGITAL)  
TRINIDAD, VALDEZ, ETC., COLORADO  
CHANNEL 15 0.18 KW

OET-69 Interference Analysis

(11 sheets follow)

Census data selected: 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

K15GL      USERRECORD-01                      TRINIDAD                      CO US  
Channel 15 ERP 0.18   kW   HAAT 253. m   RCAMSL 02185 m SIMPLE MASK  
Latitude 037-14-14   Longitude 0104-30-52  
Status APP              Zone 2      Border  
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

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	0.180	326.0	32.2
45.0	0.180	401.8	34.5
90.0	0.180	403.3	34.6
135.0	0.180	311.8	31.7
180.0	0.180	241.4	29.0
225.0	0.180	173.7	25.5
270.0	0.180	33.0	11.3
315.0	0.180	135.3	23.0

Contour Overlap to Proposed Station

Station  
K15GL      15 TRINIDAD, VALDEZ,ETC CO BLTT20050128AAZ

Station inside contour of Digital LPTV station  
K15GL      15 TRINIDAD                      CO USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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
15	K15GL	TRINIDAD CO	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	K14MH	BROADMOOR CO	179.7	LIC	BLTTL	-20051020AFG
15	KTFD-TV	BOULDER CO	277.4	LIC	BLCDDT	-20060922AFJ
15	K15GU	DOVE CREEK CO	392.0	LIC	BLTTL	-20041227AAF
15	KREZ-TV	DURANGO CO	299.5	LIC	BLCDDT	-20030324ADD
15	K15ED	PITKIN CO	227.2	LIC	BLTT	-19941109IL
15	K15CG	OAKLEY KS	382.2	LIC	BLTT	-19901226IT
15	K15FV	RED RIVER NM	98.0	LIC	BLTT	-20040415ADS
15	K15HD-D	TAOS NM	130.7	LIC	BLDTT	-20061026ADG
15	KCIT	AMARILLO TX	320.2	CP	BPCDDT	-19991029AIB
16	K16CH	RATON, ETC. NM	62.3	LIC	BLTT	-19921109IP
18	K18CT	RATON NM	37.4	LIC	BLTT	-19930311IH

%%%

## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	K14MH	BROADMOOR CO	BLTTL	-20051020AFG

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KTFD-TV	BOULDER CO	98.4	LIC	BLCT	-20060922AFP
14	NEW	GLENWOOD SPRINGS CO	224.4	APP	BNPTTL	-20000828BDP
14	K14MK	GLENWOOD SPRINGS CO	224.4	CP	BNPTTL	-20000828ALI
14	KBSL-TV	GOODLAND KS	293.5	CP	BPCDDT	-19991015ABH
14	KBSL-DT	GOODLAND KS	293.4	PLN	DTVPLN	-DTVP0129
15	KTVJ-DT	BOULDER CO	98.4	PLN	DTVPLN	-DTVP0162
15	KTFD-TV	BOULDER CO	98.4	LIC	BLCDDT	-20060922AFJ
15	K15GL	TRINIDAD, VALDEZ CO	190.4	CP	BDFCDDT	-20060331AXH
16	KUSA-DT	DENVER CO	104.9	PLN	DTVPLN	-DTVP0208
16	KUSA-TV	DENVER CO	105.0	CP MOD	BMPCDDT	-20000501ADN
17	KMGH-DT	DENVER CO	105.0	PLN	DTVPLN	-DTVP0252
17	KMGH-TV	DENVER CO	105.0	CP MOD	BMPCDDT	-20000421AAV
18	KRMA-DT	DENVER CO	105.4	PLN	DTVPLN	-DTVP0297
22	KXRM-TV	COLORADO SPRINGS CO	9.6	LIC	BLCDDT	-20030702ABE
22	KXRM-DT	COLORADO SPRINGS CO	9.6	PLN	DTVPLN	-DTVP0473
29	NEW	COLORADO SPRINGS CO	9.5	APP	BSFDTL	-20060630ARX
29	KDEN-DT	LONGMONT CO	140.7	PLN	DTVPLN	-DTVP0738
29	KDEN	LONGMONT CO	141.0	LIC	BLCDDT	-20060630ACM
15	K15GL	TRINIDAD CO	179.7	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 2



## DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
15	KTVJ-DT	BOULDER CO	DTVPLN -DTVP0162

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	KTVJ	BOULDER CO	0.0	PLN	DTVPLN -NPLN0879
15	KREZ-DT	DURANGO CO	355.1	PLN	DTVPLN -DTVP0163
15	KFQX-DT	GRAND JUNCTION CO	310.5	PLN	DTVPLN -DTVP0164
15	KGWC-DT	CASPER WY	354.2	PLN	DTVPLN -DTVP0203
16	KUSA-DT	DENVER CO	6.6	PLN	DTVPLN -DTVP0208

Results for: 15A CO BOULDER	DTVPLN	DTVP0162	PLN
HAAT 351.0 m, ATV ERP 99.6 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	2112523	19516.4
not affected by terrain losses	2094815	17810.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12451	430.1
lost to ATV IX only	12451	430.1
lost to all IX	12451	430.1

## NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
14	KTVJ	BOULDER CO	DTVPLN -NPLN0879

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	KBSL-DT	GOODLAND KS	314.8	PLN	DTVPLN -DTVP0129
14	KGWCTV	CASPER WY	354.2	PLN	DTVPLN -NPLN0911
15	KTVJ-DT	BOULDER CO	0.0	PLN	DTVPLN -DTVP0162
16	KUSA-DT	DENVER CO	6.6	PLN	DTVPLN -DTVP0208
17	KMGH-DT	DENVER CO	6.6	PLN	DTVPLN -DTVP0252
18	KRMA-DT	DENVER CO	7.0	PLN	DTVPLN -DTVP0297
21	KXRMTV	COLORADO SPRINGS CO	107.5	PLN	DTVPLN -NPLN1101
21	KFCT-DT	FORT COLLINS CO	113.2	PLN	DTVPLN -DTVP0430
22	KXRM-DT	COLORADO SPRINGS CO	107.5	PLN	DTVPLN -DTVP0473
22	KFCT	FORT COLLINS CO	113.2	PLN	DTVPLN -NPLN1135
29	KDEN-DT	LONGMONT CO	54.5	PLN	DTVPLN -DTVP0738

Results for: 14N CO BOULDER	DTVPLN	NPLN0879	PLN
	POPULATION	AREA (sq km)	

within Noise Limited Contour	2112523	19516.4
not affected by terrain losses	2089610	17375.8
lost to NTSC IX	587	12.8
lost to additional IX by ATV	2371	677.1
lost to all IX	2958	689.9

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	KTFD-TV	BOULDER CO	BLCDT -20060922AFJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	KTFD-TV	BOULDER CO	0.0	LIC	BLCT -20060922AFP
15	KREZ-TV	DURANGO CO	355.1	LIC	BLCDT -20030324ADD
15	KREZ-DT	DURANGO CO	355.1	PLN	DTVPLN -DTVP0163
15	KFQX-DT	GRAND JUNCTION CO	310.6	PLN	DTVPLN -DTVP0164
15	KFQX	GRAND JUNCTION CO	310.5	CP	BPCDT -19991101AGO
15	KGWC-DT	CASPER WY	354.2	PLN	DTVPLN -DTVP0203
16	KUSA-DT	DENVER CO	6.6	PLN	DTVPLN -DTVP0208

16	KUSA-TV	DENVER CO	6.7	CP MOD	BMPCDT	-20000501ADN
15	K15GL	TRINIDAD CO	277.4	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1  
 Scenario 1 Affected station 2 KTFD-TV  
 Before Analysis

Results for: 15A CO BOULDER BLCDT 20060922AFJ LIC  
 HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10975	243.3
lost to ATV IX only	10975	243.3
lost to all IX	10975	243.3

Potential Interfering Stations Included in above Scenario 1

16A CO DENVER	DTVPLN	DTVP0208	PLN
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After Analysis

Results for: 15A CO BOULDER BLCDT 20060922AFJ LIC  
 HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14553	326.0
lost to ATV IX only	14553	326.0
lost to all IX	14553	326.0

Potential Interfering Stations Included in above Scenario 1

16A CO DENVER	DTVPLN	DTVP0208	PLN
15A CO TRINIDAD	USERRECORD01		APP

Result key: 2  
 Scenario 2 Affected station 2 KTFD-TV  
 Before Analysis

Results for: 15A CO BOULDER BLCDT 20060922AFJ LIC  
 HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	34594	284.7
lost to ATV IX only	34594	284.7
lost to all IX	34594	284.7

Potential Interfering Stations Included in above Scenario 2

16A CO DENVER	BMPCDT	20000501ADN	CP
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After Analysis

Results for: 15A CO BOULDER BLCDT 20060922AFJ LIC  
 HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
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within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	38172	367.4
lost to ATV IX only	38172	367.4
lost to all IX	38172	367.4

Potential Interfering Stations Included in above Scenario 2

16A CO DENVER	BMPCDT	20000501ADN	CP
15A CO TRINIDAD	USERRECORD01		APP

Result key: 3  
 Scenario 3 Affected station 2 KTFD-TV  
 Before Analysis

Results for: 15A CO BOULDER BLCDT 20060922AFJ LIC  
 HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10975	243.3
lost to ATV IX only	10975	243.3
lost to all IX	10975	243.3

Potential Interfering Stations Included in above Scenario 3

16A CO DENVER	DTVPLN	DTVP0208	PLN
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After Analysis

Results for: 15A CO BOULDER BLCDT 20060922AFJ LIC  
 HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14553	326.0
lost to ATV IX only	14553	326.0
lost to all IX	14553	326.0

Potential Interfering Stations Included in above Scenario 3

16A CO DENVER	DTVPLN	DTVP0208	PLN
15A CO TRINIDAD	USERRECORD01		APP

Result key: 4  
 Scenario 4 Affected station 2 KTFD-TV  
 Before Analysis

Results for: 15A CO BOULDER BLCDT 20060922AFJ LIC  
 HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	34594	284.7
lost to ATV IX only	34594	284.7
lost to all IX	34594	284.7

Potential Interfering Stations Included in above Scenario 4

16A CO DENVER	BMPCDT	20000501ADN	CP
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# After Analysis

Results for: 15A CO BOULDER BLC DT 20060922AFJ LIC  
HAAT 351.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2257601	23617.2
not affected by terrain losses	2210082	21690.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	38172	367.4
lost to ATV IX only	38172	367.4
lost to all IX	38172	367.4

Potential Interfering Stations Included in above Scenario 4

16A CO DENVER BMPCDT 20000501ADN CP  
15A CO TRINIDAD USERRECORD01 APP

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	K15GU	DOVE CREEK CO	BLTTL	-20041227AAF

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KTVJ-DT	BOULDER CO	384.1	PLN	DTVPLN	-DTVP0162
15	KTFD-TV	BOULDER CO	384.2	LIC	BLC DT	-20060922AFJ
15	KREZ-TV	DURANGO CO	104.9	LIC	BLC DT	-20030324ADD
15	KREZ-DT	DURANGO CO	105.0	PLN	DTVPLN	-DTVP0163
15	KFQX-DT	GRAND JUNCTION CO	145.8	PLN	DTVPLN	-DTVP0164
15	KFQX	GRAND JUNCTION CO	145.9	CP	BPCDT	-19991101AGO
15	K15GL	TRINIDAD, VALDEZ CO	397.8	CP	BDFCDTT	-20060331AXH
15	K15GN	BULLFROG UT	163.1	LIC	BLTT	-20040614AFT
15	K15HM-D	MONTEZUMA CRK./ANETH UT	64.9	CP	BDCCDTT	-20061023ADX
15	960703KK	PRICE UT	263.4	CP	BPET	-19960703KK
17	KRMJ	GRAND JUNCTION CO	145.9	LIC	BLEDT	-20060630ABE
17	KOBF-DT	FARMINGTON NM	133.2	PLN	DTVPLN	-DTVP0272
30	K30DC	DOVE CREEK CO	0.0	LIC	BLTTL	-20041227AAE
15	K15GL	TRINIDAD CO	392.0	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 4

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	KREZ-DT	DURANGO CO	DTVPLN	-DTVP0163

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	NEW	ALBUQUERQUE NM	205.3	PLN	DTVPLN	-NPLN0896
15	KTVJ-DT	BOULDER CO	355.1	PLN	DTVPLN	-DTVP0162

15	KFQX-DT	GRAND JUNCTION CO	213.7	PLN	DTVPLN	-DTVP0164
15	NEW	PRICE UT	363.7	PLN	DTVPLN	-NPLN0937

Results for: 15A CO DURANGO DTVPLN DTVP0163 PLN  
 HAAT 110.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	93858	10059.8
not affected by terrain losses	64853	8572.6
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

#### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
06	KREZTV	DURANGO CO	DTVPLN -NPLN0401

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
05	KREXTV	GRAND JUNCTION CO	211.1	PLN	DTVPLN -NPLN0342
06	KRMATV	DENVER CO	358.3	PLN	DTVPLN -NPLN0400
06	NEW	VERNAL UT	360.4	PLN	DTVPLN -NPLN0447

Results for: 6N CO DURANGO DTVPLN NPLN0401 PLN  
 POPULATION AREA (sq km)

within Noise Limited Contour	93858	10059.8
not affected by terrain losses	64542	9290.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	KREZ-TV	DURANGO CO	BLCDDT -20030324ADD

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	KTVJ-DT	BOULDER CO	355.0	PLN	DTVPLN -DTVP0162
15	KTFD-TV	BOULDER CO	355.1	LIC	BLCDDT -20060922AFJ
15	KFQX-DT	GRAND JUNCTION CO	213.7	PLN	DTVPLN -DTVP0164
15	KFQX	GRAND JUNCTION CO	213.7	CP	BPCDDT -19991101AGO
15	960703KK	PRICE UT	363.6	CP	BPET -19960703KK
15	K15GL	TRINIDAD CO	299.5	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.
15	K15ED	PITKIN CO	BLTT -19941109IL

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	KTVJ-DT	BOULDER CO	165.4	PLN	DTVPLN -DTVP0162
15	KTFD-TV	BOULDER CO	165.5	LIC	BLCDDT -20060922AFJ
15	KREZ-TV	DURANGO CO	189.6	LIC	BLCDDT -20030324ADD
15	KREZ-DT	DURANGO CO	189.6	PLN	DTVPLN -DTVP0163

15	KFQX-DT	GRAND JUNCTION CO	203.3	PLN	DTVPLN	-DTVP0164
15	KFQX	GRAND JUNCTION CO	203.2	CP	BPCDT	-19991101AGO
15	K15GL	TRINIDAD, VALDEZ CO	237.0	CP	BDFCDTT	-20060331AXH
15	960703KK	PRICE UT	390.6	CP	BPET	-19960703KK
22	KXRM-TV	COLORADO SPRINGS CO	143.1	LIC	BLCDDT	-20030702ABE
22	KXRM-DT	COLORADO SPRINGS CO	143.1	PLN	DTVPLN	-DTVP0473
23	KREG-DT	GLENWOOD SPRINGS CO	121.9	PLN	DTVPLN	-DTVP0515
30	K30DL	BLUE MESA CO	16.5	LIC	BLTT	-19920206IF
15	K15GL	TRINIDAD CO	227.2	APP	USERRECORD-01	

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.
15	K15CG	OAKLEY KS	BLTT	-19901226IT

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KBSL-TV	GOODLAND KS	71.9	CP	BPCDT	-19991015ABH
14	KBSL-DT	GOODLAND KS	71.9	PLN	DTVPLN	-DTVP0129
15	KTVJ-DT	BOULDER CO	380.1	PLN	DTVPLN	-DTVP0162
15	KTFD-TV	BOULDER CO	379.9	LIC	BLCDDT	-20060922AFJ
15	K15GL	TRINIDAD, VALDEZ CO	384.7	CP	BDFCDTT	-20060331AXH
15	960930KI	WICHITA KS	326.8	APP	BPET	-19960930KI
15	960423KE	WICHITA KS	344.8	APP	BPET	-19960423KE
15	960724KP	WICHITA KS	326.8	APP	BPET	-19960724KP
15	KMNE-DT	BASSETT NE	375.6	PLN	DTVPLN	-DTVP0180
17	KLBY	COLBY KS	45.6	CP	BPCDT	-19991025ADA
17	KLBY-DT	COLBY KS	45.7	PLN	DTVPLN	-DTVP0260
19	KWKS	COLBY KS	45.8	LIC	BLEDT	-20070601ATA
19	NEW	COLBY KS	35.3	LIC	BPRM	-20030805ARW
23	KSWK-DT	LAKIN KS	145.3	PLN	DTVPLN	-DTVP0524
15	K15GL	TRINIDAD CO	382.2	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 7

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	K15FV	RED RIVER NM	BLTT	-20040415ADS

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KTVJ-DT	BOULDER CO	332.4	PLN	DTVPLN	-DTVP0162
15	KTFD-TV	BOULDER CO	332.4	LIC	BLCDDT	-20060922AFJ
15	KREZ-TV	DURANGO CO	233.4	LIC	BLCDDT	-20030324ADD
15	KREZ-DT	DURANGO CO	233.4	PLN	DTVPLN	-DTVP0163
15	K15GL	TRINIDAD, VALDEZ CO	95.3	CP	BDFCDTT	-20060331AXH
15	KCIT-DT	AMARILLO TX	352.2	PLN	DTVPLN	-DTVP0193
15	KCIT	AMARILLO TX	352.2	CP	BPCDT	-19991029AIB
29	NEW -DT	SANTA FE NM	121.4	PLN	DTVPLN	-DTVP0754

30	K30GJ	COLFAX NM	21.0	LIC	BLTT	-20031103ACV
15	K15GL	TRINIDAD CO	98.0	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.
15	K15HD-D	TAOS NM	BLDTT -20061026ADG

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	KTVJ-DT	BOULDER CO	365.0	PLN	DTVPLN -DTVP0162
15	KTFD-TV	BOULDER CO	365.0	LIC	BLCDDT -20060922AFJ
15	KREZ-TV	DURANGO CO	230.7	LIC	BLCDDT -20030324ADD
15	KREZ-DT	DURANGO CO	230.6	PLN	DTVPLN -DTVP0163
15	K15GL	TRINIDAD, VALDEZ CO	126.7	CP	BDFCDTT -20060331AXH
15	K15FV	RED RIVER NM	35.2	LIC	BLTT -20040415ADS
15	KCIT-DT	AMARILLO TX	355.0	PLN	DTVPLN -DTVP0193
15	KCIT	AMARILLO TX	355.0	CP	BPCDDT -19991029AIB
15	K15GL	TRINIDAD CO	130.7	APP	USERRECORD-01

Proposal causes no interference

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# Analysis of Interference to Affected Station 9

## DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
15	KCIT-DT	AMARILLO TX	DTVPLN -DTVP0193

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	KCIT	AMARILLO TX	0.0	PLN	DTVPLN -NPLN0903
15	KTBO-DT	OKLAHOMA CITY OK	393.6	PLN	DTVPLN -DTVP0186
15	NEW	ABILENE TX	398.4	PLN	DTVPLN -NPLN0935
15	KWES-DT	ODESSA TX	385.1	PLN	DTVPLN -DTVP0196
15	KJTL-DT	WICHITA FALLS TX	309.6	PLN	DTVPLN -DTVP0199
16	KPTB	LUBBOCK TX	198.9	PLN	DTVPLN -NPLN0972

Results for: 15A TX AMARILLO DTVPLN DTVP0193 PLN

HAAT 464.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	285356	24347.4
not affected by terrain losses	285271	24141.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	3.0
lost to ATV IX only	0	3.0
lost to all IX	0	3.0

## NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
14	KCIT	AMARILLO TX	DTVPLN -NPLN0903

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KTBOTV	OKLAHOMA CITY OK	393.6	PLN	DTVPLN	-NPLN0899
14	NEW	BIG SPRING TX	360.7	PLN	DTVPLN	-NPLN0904
15	KCIT-DT	AMARILLO TX	0.0	PLN	DTVPLN	-DTVP0193
21	KACV-DT	AMARILLO TX	0.0	PLN	DTVPLN	-DTVP0458
28	KAMC	LUBBOCK TX	203.0	PLN	DTVPLN	-NPLN1343
29	DNCE	GUYMON OK	150.7	PLN	DTVPLN	-NPLN1372

Results for: 14N TX AMARILLO DTVPLN NPLN0903 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	285356	24347.4
not affected by terrain losses	285248	23948.5
lost to NTSC IX	250	201.0
lost to additional IX by ATV	0	0.0
lost to all IX	250	201.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	KCIT	AMARILLO TX	BPCDT	-19991029AIB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KCIT	AMARILLO TX	0.0	LIC	BLCT	-19890130KK
15	KTBO-DT	OKLAHOMA CITY OK	393.6	PLN	DTVPLN	-DTVP0186
15	KTBO-TV	OKLAHOMA CITY OK	393.4	LIC	BLCDT	-20050415AAC
15	KXVA	ABILENE TX	398.4	LIC	BLCT	-20010130ABC
15	KWES-DT	ODESSA TX	385.1	PLN	DTVPLN	-DTVP0196
15	KJTL-DT	WICHITA FALLS TX	309.6	PLN	DTVPLN	-DTVP0199
15	KJTL	WICHITA FALLS TX	309.6	CP MOD	BMPCDT	-20070404ACI
16	KPTB	LUBBOCK TX	198.9	LIC	BLCT	-19960617KF
15	K15GL	TRINIDAD CO	320.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	K16CH	RATON, ETC. NM	BLTT	-19921109IP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	K15GL	TRINIDAD, VALDEZ CO	51.8	CP	BDFCDTT	-20060331AXH
16	KUSA-DT	DENVER CO	346.2	PLN	DTVPLN	-DTVP0208
16	KUSA-TV	DENVER CO	346.3	CP MOD	BMPCDT	-20000501ADN
16	KSNG-DT	GARDEN CITY KS	336.5	PLN	DTVPLN	-DTVP0218
16	KRQE-DT	ALBUQUERQUE NM	245.5	PLN	DTVPLN	-DTVP0233
15	K15GL	TRINIDAD CO	62.3	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.
18	K18CT	RATON NM	BLTT	-19930311IH



# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	K15GL	TRINIDAD, VALDEZ CO	27.0	CP	BDFCDTT	-20060331AXH
18	KRMA-DT	DENVER CO	321.7	PLN	DTVPLN	-DTVP0297
18	KUPK-TV	GARDEN CITY KS	345.5	CP	BPCDT	-19991025ADQ
18	KUPK-DT	GARDEN CITY KS	345.5	PLN	DTVPLN	-DTVP0305
18	KPTF	FARWELL TX	296.4	LIC	BLCT	-20010405ADB
15	K15GL	TRINIDAD CO	37.4	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.
15	K15GL	TRINIDAD CO	USERRECORD-01	

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KTVJ-DT	BOULDER CO	277.5	PLN	DTVPLN	-DTVP0162
15	KTFD-TV	BOULDER CO	277.4	LIC	BLCDDT	-20060922AFJ
15	KREZ-TV	DURANGO CO	299.5	LIC	BLCDDT	-20030324ADD
15	KREZ-DT	DURANGO CO	299.5	PLN	DTVPLN	-DTVP0163
15	KCIT-DT	AMARILLO TX	320.2	PLN	DTVPLN	-DTVP0193
15	KCIT	AMARILLO TX	320.2	CP	BPCDDT	-19991029AIB

Total scenarios = 1

### Result key:

5

Scenario 1 Affected station 12 K15GL

Before Analysis

Results for: 15A CO TRINIDAD

USERRECORD01

APP

HAAT 253.0 m, ATV ERP 0.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12109	3104.0
not affected by terrain losses	11616	2990.5
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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