

ENGINEERING EXHIBIT

Request for Extension Special Temporary Authorization BDSTA-20090717ABB prepared for

Bluestone License Holdings Inc.
KRCR-TV Redding, CA
Facility ID 8291

Bluestone License Holdings Inc. ("Bluestone") is the licensee of KRCR-TV, Redding, CA, Facility ID 8291. During the pre-transition period, KRCR-TV operated on digital Channel 34 (BLCDDT-20060926ACS). A Construction Permit ("CP", BMPCDDT-20080613ABE) authorizes construction of the KRCR-TV post-transition digital facility at 14.5 kW effective radiated power ("ERP") on VHF Channel 7, its former analog channel. KRCR-TV is presently operating on Channel 7 and a license application is pending to cover the construction (BLCDDT-20090622AEG). KRCR-TV's current operation on Channel 7 is at an increased ERP of 25.2 kW pursuant to Special Temporary Authority ("STA" BDSTA-20090717ABB). The STA was sought shortly after the transition date in order to recover many viewers who lost reception when KRCR-TV ceased analog transmission. This statement supports *Bluestone's* request to extend the STA.

As discussed in the request underlying BDSTA-20090717ABB, KRCR-TV's VHF Channel 7 operation at 14.5 kW was unable to replicate the coverage achieved by its prior analog Channel 7 facility. Approximately 1200 calls and 120 e-mail messages were received regarding reception problems, particularly regarding indoor reception. KRCR-TV's experience is similar to other stations using VHF channels in the post-transition period. It has been found that indoor reception is difficult for digital VHF stations such as KRCR-TV due to the longer wavelength signal's inability to readily pass through buildings (the windows are smaller than the wavelength size), the ineffectiveness of many indoor antennas many of which were designed to emphasize the shorter wavelengths for UHF reception, and high levels of manmade and environmental noise. The STA authorizes KRCR-TV to operate at 25.2 kW ERP.

The existing STA (BDSTA-20090717ABB) requires submission of a report describing the results of field strength measurements taken before and after the power increase. Mr. Ray Smith of KRCR-TV has conducted measurements at 14 outdoor and 4 indoor locations for ERP levels at 14.5 kW and 25.2 kW. A summary of the measurement results is provided separately as part of the request for STA extension. As described therein, increased signal levels were observed at each measurement location.

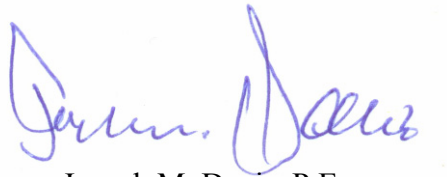
The measurement locations are plotted on the map attached as **Figure 1**. These locations include points near the KRCR-TV transmitter site within the principal community as well as points much further away including areas near the service contour and beyond. Color tinting on the map depicts predicted field strength levels for 25.2 kW ERP using the terrain-dependent Longley-Rice methodology. The coverage predictions show that the mountainous terrain limits the actual coverage in most directions to areas well within the 14.5 kW ERP coverage contour. Thus, the STA's purpose is not intended to expand KRCR-TV's coverage but rather to provide better service within its principal community and other areas within the original analog service area.

The request underlying BDSTA-20090717ABB supplied a detailed interference study per OET Bulletin 69¹ which showed that the power increase would not cause impermissible interference to any other station. To consider any filing activity that may have occurred since the original STA request, the interference study was repeated for the purpose of this extension request. The current interference study output report is provided as **Table 1**, and confirms that no impermissible interference would occur.

¹FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission's implementation of OET-69 show excellent correlation.

Certification

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.

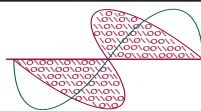


Joseph M. Davis, P.E.
January 10, 2010

Chesapeake RF Consultants, LLC
11993 Kahns Road
Manassas, VA 20112
703-650-9600

List of Attachments

Figure 1	Predicted Longley-Rice Coverage With Measurement Locations
Table 1	OET Bulletin 69 Interference Study



Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Scale 1:1,750,000
0 20 40 60 km

KRCR-TV 36 dBu Contour
CP 14.5 kW
STA 25.2 kW

Signal Resolution: 0.5 km
Terrain: NED 3 Second US
Call Letters: KRCR-TV-D STA
File Number: BDSTA20090717ABB
Latitude: 40-36-10 N
Longitude: 122-39-00 W
ERP: 25.20 kW
Channel: 07
Frequency: 177.0 MHz
AMSL Height: 1925.0 m
Horiz. Antenna Pattern: Omni
Vert. Elevation Pattern: Yes
Propagation Model: Longley/Rice
Climate: Continental temperate
Conductivity: 0.0050
Dielectric Constant: 15.0
Refractivity: 311.0
Receiver Height AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 90.0%
Situation Variability: 50.0%
ITM Mode: Broadcast

Longley-Rice Predicted Signal Level

- Greater than 81 dBu
- 66 - 81 dBu
- 51 - 66 dBu
- 36 - 51 dBu
- Signal below 36 dBu

Figure 1
Predicted Longley-Rice Coverage
With Measurement Locations
KRCR-TV (STA) Redding, CA
Facility ID 8291
Ch. 7 25.2 kW 1103 m

prepared for
Bluestone License Holdings Inc.

January, 2010

Table 1 KRCR-TV OET Bulletin 69 Interference Study

(worst-case scenarios shown page 1 of 10)

TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-10-2010 Time: 16:42:29

Record Selected for Analysis

KRCR-DT USERRECORD-01 REDDING CA US
Channel 07 ERP 25.2 kW HAAT 1108. m RCMSL 01925 m
Latitude 040-36-10 Longitude 0122-39-00
Status APP Zone 2 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits
Channel 7 ERP = 25.20 HAAT = 1108.

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	24.741	1246.7	137.7
45.0	24.738	1250.6	137.7
90.0	24.565	1466.8	141.4
135.0	24.752	1232.8	137.4
180.0	24.807	1166.6	136.0
225.0	25.200	653.4	123.7
270.0	25.064	871.2	129.2
315.0	24.968	978.6	131.6

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

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

Table 1 KRCR-TV OET Bulletin 69 Interference Study

(worst-case scenarios shown page 2 of 10)

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
07	KRCR-DT	REDDING CA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KGO-TV	SAN FRANCISCO CA	317.0	CP MOD	BMPCDT	-20090623AAU
07	KGO-TV	SAN FRANCISCO CA	316.9	PLN	DTVPLN	-DTVP0050
07	KRNV-DT	RENO NV	275.7	LIC	BLCDT	-20040622ABF
07	KRNV	RENO NV	275.7	PLN	DTVPLN	-DTVP0082
07	KWNV	WINNEMUCCA NV	413.3	CP	BPCDT	-20080619ACG
07	KWNV	WINNEMUCCA NV	413.3	PLN	DTVPLN	-DTVP0083
08	KUNO-TV	FORT BRAGG CA	128.2	CP MOD	BMPCDT	-20080222ABO
08	KUNO-TV	FORT BRAGG CA	128.2	PLN	DTVPLN	-DTVP0111

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KGO-TV	SAN FRANCISCO CA	BMPCDT	-20090623AAU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KAIL	FRESNO CA	277.2	LIC	BLCDT	-20021002ABH
07	KAIL	FRESNO CA	277.2	PLN	DTVPLN	-DTVP0047
07	KRCR-TV	REDDING CA	317.0	PLN	DTVPLN	-DTVP0049
07	KRNV-DT	RENO NV	282.7	LIC	BLCDT	-20040622ABF
07	KRNV	RENO NV	282.7	PLN	DTVPLN	-DTVP0082
08	KSBW	SALINAS CA	139.3	CP MOD	BMPCDT	-20080530AFT
08	KSBW	SALINAS CA	139.3	PLN	DTVPLN	-DTVP0112
07	KRCR-DT	REDDING CA	317.0	APP	USERRECORD-01	

Total scenarios = 8

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 7A CA SAN FRANCISCO BMPCDT 20090623AAU CP
HAAT 519.0 m, ATV ERP 23.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7719186	41740.0
not affected by terrain losses	7124965	37009.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	576145	3730.7
lost to ATV IX only	576145	3730.7
lost to all IX	576145	3730.7

Potential Interfering Stations Included in above Scenario 1

Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 10)

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A NV RENO	BLCDDT	20040622ABF	LIC
8A CA SALINAS	BMPCDDT	20080530AFT	CP
7A CA REDDING	DTVPLN	DTVP0049	PLN

After Analysis

Results for: 7A CA SAN FRANCISCO	BMPCDDT	20090623AAU	CP
HAAT 519.0 m, ATV ERP 23.8 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	7719186	41740.0	
not affected by terrain losses	7124965	37009.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	590003	3931.4	
lost to ATV IX only	590003	3931.4	
lost to all IX	590003	3931.4	

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A NV RENO	BLCDDT	20040622ABF	LIC
8A CA SALINAS	BMPCDDT	20080530AFT	CP
7A CA REDDING	USERRECORD01		APP

Percent new IX = 0.2116%

Worst case new IX 0.2116% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KGO-TV	SAN FRANCISCO CA	DTVPLN -DTVP0050

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KAIL	FRESNO CA	277.2	LIC	BLCDDT -20021002ABH
07	KAIL	FRESNO CA	277.2	PLN	DTVPLN -DTVP0047
07	KRCR-TV	REDDING CA	316.9	PLN	DTVPLN -DTVP0049
07	KRNV-DT	RENO NV	282.7	LIC	BLCDDT -20040622ABF
07	KRNV	RENO NV	282.7	PLN	DTVPLN -DTVP0082
08	KSBW	SALINAS CA	139.3	CP MOD	BMPCDDT -20080530AFT
08	KSBW	SALINAS CA	139.3	PLN	DTVPLN -DTVP0112
07	KRCR-DT	REDDING CA	316.9	APP	USERRECORD-01

Total scenarios = 8

Result key: 9
Scenario 1 Affected station 2
Before Analysis

Results for: 7A CA SAN FRANCISCO	DTVPLN	DTVP0050	PLN
HAAT 509.0 m, ATV ERP 21.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	7659021	40507.4	

Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 10)

not affected by terrain losses	7026972	35873.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	517089	3461.3
lost to ATV IX only	517089	3461.3
lost to all IX	517089	3461.3

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A NV RENO	BLCDDT	20040622ABF	LIC
8A CA SALINAS	BMPCDDT	20080530AFT	CP
7A CA REDDING	DTVPLN	DTVP0049	PLN

After Analysis

Results for: 7A CA SAN FRANCISCO	DTVPLN	DTVP0050	PLN
HAAT 509.0 m, ATV ERP 21.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	7659021	40507.4	
not affected by terrain losses	7026972	35873.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	526272	3621.9	
lost to ATV IX only	526272	3621.9	
lost to all IX	526272	3621.9	

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A NV RENO	BLCDDT	20040622ABF	LIC
8A CA SALINAS	BMPCDDT	20080530AFT	CP
7A CA REDDING	USERRECORD01		APP

Percent new IX = 0.1411%

Worst case new IX 0.1411% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KRNV-DT	RENO NV	BLCDDT -20040622ABF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KAIL	FRESNO CA	252.4	LIC	BLCDDT -20021002ABH
07	KAIL	FRESNO CA	252.4	PLN	DTVPLN -DTVP0047
07	KRCR-TV	REDDING CA	275.7	PLN	DTVPLN -DTVP0049
07	KGO-TV	SAN FRANCISCO CA	282.7	CP MOD	BMPCDDT -20090623AAU
07	KGO-TV	SAN FRANCISCO CA	282.7	PLN	DTVPLN -DTVP0050
07	KWNV	WINNEMUCCA NV	260.5	CP	BPCDDT -20080619ACG
07	KWNV	WINNEMUCCA NV	260.5	PLN	DTVPLN -DTVP0083
08	KOLO-TV	RENO NV	0.3	CP	BPCDDT -20080501AAO
08	KOLO-TV	RENO NV	0.3	PLN	DTVPLN -DTVP0147
07	KRCR-DT	REDDING CA	275.7	APP	USERRECORD-01

Total scenarios = 8

Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 10)

Result key: 17
Scenario 1 Affected station 3
Before Analysis

Results for: 7A NV RENO BLCDDT 20040622ABF LIC
HAAT 879.0 m, ATV ERP 16.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	828499	47854.2
not affected by terrain losses	697953	40375.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20733	1079.3
lost to ATV IX only	20733	1079.3
lost to all IX	20733	1079.3

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A CA SAN FRANCISCO	BMPCDDT	20090623AAU	CP
7A NV WINNEMUCCA	BPCDDT	20080619ACG	CP
7A CA REDDING	DTVPLN	DTVP0049	PLN

After Analysis

Results for: 7A NV RENO BLCDDT 20040622ABF LIC
HAAT 879.0 m, ATV ERP 16.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	828499	47854.2
not affected by terrain losses	697953	40375.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20739	1151.8
lost to ATV IX only	20739	1151.8
lost to all IX	20739	1151.8

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A CA SAN FRANCISCO	BMPCDDT	20090623AAU	CP
7A NV WINNEMUCCA	BPCDDT	20080619ACG	CP
7A CA REDDING	USERRECORD01		APP

Percent new IX = 0.0009%

Worst case new IX 0.0009% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KRNV	RENO NV	DTVPLN -DTVP0082

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KAIL	FRESNO CA	252.4	LIC	BLCDDT -20021002ABH
07	KAIL	FRESNO CA	252.4	PLN	DTVPLN -DTVP0047
07	KRCR-TV	REDDING CA	275.7	PLN	DTVPLN -DTVP0049
07	KGO-TV	SAN FRANCISCO CA	282.7	CP MOD	BMPCDDT -20090623AAU

Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 10)

07	KGO-TV	SAN FRANCISCO CA	282.7	PLN	DTVPLN	-DTVP0050
07	KWNV	WINNEMUCCA NV	260.5	CP	BPCDDT	-20080619ACG
07	KWNV	WINNEMUCCA NV	260.5	PLN	DTVPLN	-DTVP0083
08	KOLO-TV	RENO NV	0.3	CP	BPCDDT	-20080501AAO
08	KOLO-TV	RENO NV	0.3	PLN	DTVPLN	-DTVP0147
07	KRCR-DT	REDDING CA	275.7	APP	USERRECORD-01	

Total scenarios = 8

Result key: 25
Scenario 1 Affected station 4
Before Analysis

Results for: 7A NV RENO DTVPLN DTVP0082 PLN
HAAT 879.0 m, ATV ERP 16.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	828499	47854.2
not affected by terrain losses	697953	40375.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20733	1079.3
lost to ATV IX only	20733	1079.3
lost to all IX	20733	1079.3

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A CA SAN FRANCISCO	BMPCDDT	20090623AAU	CP
7A NV WINNEMUCCA	BPCDDT	20080619ACG	CP
7A CA REDDING	DTVPLN	DTVP0049	PLN

After Analysis

Results for: 7A NV RENO DTVPLN DTVP0082 PLN
HAAT 879.0 m, ATV ERP 16.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	828499	47854.2
not affected by terrain losses	697953	40375.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20739	1151.8
lost to ATV IX only	20739	1151.8
lost to all IX	20739	1151.8

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BLCDDT	20021002ABH	LIC
7A CA SAN FRANCISCO	BMPCDDT	20090623AAU	CP
7A NV WINNEMUCCA	BPCDDT	20080619ACG	CP
7A CA REDDING	USERRECORD01		APP

Percent new IX = 0.0009%

Worst case new IX 0.0009% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
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Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 10)

07 KWNV WINNEMUCCA NV BPCDT -20080619ACG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KRCR-TV	REDDING CA	413.3	PLN	DTVPLN -DTV0049
07	KTVB	BOISE ID	334.2	CP MOD	BMPCDT -20080617ADX
07	KTVB	BOISE ID	334.2	PLN	DTVPLN -DTV0061
07	KTVB	BOISE ID	334.2	APP	BPCDT -20090623ABE
07	KRNV-DT	RENO NV	260.5	LIC	BLCDT -20040622ABF
07	KRNV	RENO NV	260.5	PLN	DTVPLN -DTV0082
07	KRCR-DT	REDDING CA	413.3	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KWNV	WINNEMUCCA NV	DTVPLN -DTV0083

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KRCR-TV	REDDING CA	413.3	PLN	DTVPLN -DTV0049
07	KTVB	BOISE ID	334.2	CP MOD	BMPCDT -20080617ADX
07	KTVB	BOISE ID	334.2	PLN	DTVPLN -DTV0061
07	KTVB	BOISE ID	334.2	APP	BPCDT -20090623ABE
07	KRNV-DT	RENO NV	260.5	LIC	BLCDT -20040622ABF
07	KRNV	RENO NV	260.5	PLN	DTVPLN -DTV0082
07	KRCR-DT	REDDING CA	413.3	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KUNO-TV	FORT BRAGG CA	BMPCDT -20080222ABO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KRCR-TV	REDDING CA	128.2	PLN	DTVPLN -DTV0049
08	KSBW	SALINAS CA	373.5	CP MOD	BMPCDT -20080530AFT
08	KSBW	SALINAS CA	373.5	PLN	DTVPLN -DTV0112
08	KOLO-TV	RENO NV	319.7	CP	BPCDT -20080501AAO
08	KOLO-TV	RENO NV	319.7	PLN	DTVPLN -DTV0147
08	KSYS	MEDFORD OR	334.5	CP MOD	BMPEDT -20080214AHW
08	KSYS	MEDFORD OR	334.5	PLN	DTVPLN -DTV0153
09	KIXE-TV	REDDING CA	128.1	CP	BPEDT -20080314ABM
09	KIXE-TV	REDDING CA	128.1	PLN	DTVPLN -DTV0178

Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 10)

07 KRCR-DT REDDING CA 128.2 APP USERRECORD-01

Total scenarios = 16

Result key: 33
Scenario 1 Affected station 7
Before Analysis

Results for: 8A CA FORT BRAGG BMPCDT 20080222ABO CP
HAAT 744.0 m, ATV ERP 26.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	191699	38955.8
not affected by terrain losses	137102	31285.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3999	236.1
lost to ATV IX only	3999	236.1
lost to all IX	3999	236.1

Potential Interfering Stations Included in above Scenario 1

8A CA SALINAS	BMPCDT	20080530AFT	CP
8A NV RENO	BPCDT	20080501AAO	CP
8A OR MEDFORD	BMPEDT	20080214AHW	CP
9A CA REDDING	BPEDT	20080314ABM	CP

After Analysis

Results for: 8A CA FORT BRAGG BMPCDT 20080222ABO CP
HAAT 744.0 m, ATV ERP 26.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	191699	38955.8
not affected by terrain losses	137102	31285.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3999	240.1
lost to ATV IX only	3999	240.1
lost to all IX	3999	240.1

Potential Interfering Stations Included in above Scenario 1

8A CA SALINAS	BMPCDT	20080530AFT	CP
8A NV RENO	BPCDT	20080501AAO	CP
8A OR MEDFORD	BMPEDT	20080214AHW	CP
9A CA REDDING	BPEDT	20080314ABM	CP
7A CA REDDING	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KUNO-TV	FORT BRAGG CA	DTVPLN -DTV0111

Stations Potentially Affecting This Station

Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 9 of 10)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KRCR-TV	REDDING CA	128.2	PLN	DTVPLN	-DTVP0049
08	KSBW	SALINAS CA	373.5	CP MOD	BMPCDT	-20080530AFT
08	KSBW	SALINAS CA	373.5	PLN	DTVPLN	-DTVP0112
08	KOLO-TV	RENO NV	319.7	CP	BPCDT	-20080501AAO
08	KOLO-TV	RENO NV	319.7	PLN	DTVPLN	-DTVP0147
08	KSYS	MEDFORD OR	334.5	CP MOD	BMPEDT	-20080214AHW
08	KSYS	MEDFORD OR	334.5	PLN	DTVPLN	-DTVP0153
09	KIXE-TV	REDDING CA	128.1	CP	BPEDT	-20080314ABM
09	KIXE-TV	REDDING CA	128.1	PLN	DTVPLN	-DTVP0178
07	KRCR-DT	REDDING CA	128.2	APP	USERRECORD-01	

Total scenarios = 8

Result key: 50
Scenario 2 Affected station 8
Before Analysis

Results for: 8A CA FORT BRAGG DTVP0111 PLN
HAAT 733.0 m, ATV ERP 44.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	243857	47335.5
not affected by terrain losses	143359	38940.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	758	208.3
lost to ATV IX only	758	208.3
lost to all IX	758	208.3

Potential Interfering Stations Included in above Scenario 2

8A CA SALINAS	BMPCDT	20080530AFT	CP
8A NV RENO	BPCDT	20080501AAO	CP
9A CA REDDING	DTVPLN	DTVP0178	PLN
7A CA REDDING	DTVPLN	DTVP0049	PLN

After Analysis

Results for: 8A CA FORT BRAGG DTVP0111 PLN
HAAT 733.0 m, ATV ERP 44.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	243857	47335.5
not affected by terrain losses	143359	38940.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	761	248.3
lost to ATV IX only	761	248.3
lost to all IX	761	248.3

Potential Interfering Stations Included in above Scenario 2

8A CA SALINAS	BMPCDT	20080530AFT	CP
8A NV RENO	BPCDT	20080501AAO	CP
9A CA REDDING	DTVPLN	DTVP0178	PLN
7A CA REDDING	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 9

Table 1 KRCR-TV OET Bulletin 69 Interference Study
(worst-case scenarios shown page 10 of 10)

Analysis of current record
Channel Call City/State Application Ref. No.
07 KRCR-DT REDDING CA USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KGO-TV	SAN FRANCISCO CA	317.0	CP MOD	BMPCDT	-20090623AAU
07	KGO-TV	SAN FRANCISCO CA	316.9	PLN	DTVPLN	-DTVP0050
07	KRNV-DT	RENO NV	275.7	LIC	BLCDT	-20040622ABF
07	KRNV	RENO NV	275.7	PLN	DTVPLN	-DTVP0082
07	KWNV	WINNEMUCCA NV	413.3	CP	BPCDT	-20080619ACG
07	KWNV	WINNEMUCCA NV	413.3	PLN	DTVPLN	-DTVP0083
08	KUNO-TV	FORT BRAGG CA	128.2	CP MOD	BMPCDT	-20080222ABO
08	KUNO-TV	FORT BRAGG CA	128.2	PLN	DTVPLN	-DTVP0111

Total scenarios = 4

Result key: 57
Scenario 1 Affected station 9
Before Analysis

Results for: 7A CA REDDING USERRECORD01 APP
HAAT 1108.0 m, ATV ERP 25.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	550780	56931.9
not affected by terrain losses	440197	47072.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	244	351.9
lost to ATV IX only	244	351.9
lost to all IX	244	351.9

Potential Interfering Stations Included in above Scenario 1

7A CA SAN FRANCISCO	BMPCDT	20090623AAU	CP
8A CA FORT BRAGG	BMPCDT	20080222ABO	CP

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