

ENGINEERING STATEMENT  
APPLICATION FOR A DTV  
CONSTRUCTION PERMIT FOR  
AN EXISTING TELEVISION TRANSLATOR  
K18AD-D, EAST WENATCHEE, WASHINGTON  
CHANNEL 18 60 WATTS MAX ERP 2066 METERS RC/AMSL

MARCH 2006

COHEN, DIPPELL AND EVERIST, P.C.  
CONSULTING ENGINEERS  
RADIO AND TELEVISION  
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.

City of Washington            )  
  ) ss  
District of Columbia         )

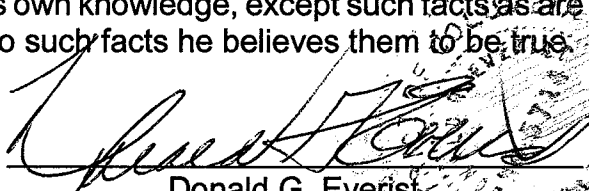
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

He is a graduate electrical engineer, a Registered Professional Engineer in the District of Columbia, and is President, Secretary and Treasurer of Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That his qualifications are a matter of record in the Federal Communications Commission;

That the attached engineering report was prepared by him or under his supervision and direction and

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.

  
Donald G. Everist  
District of Columbia  
Professional Engineer  
Registration No. 5714

Subscribed and sworn to before me this 27<sup>th</sup> day of March, 2006.

  
Notary Public

My Commission Expires: 2/28/2008



COHEN, DIPPELL AND EVERIST, P. C.

City of Washington                    )  
  ) ss  
District of Columbia                )

Martin R. Doczkat being duly sworn upon his oath, deposes and states that:


He is a graduate electrical engineer of the Pennsylvania State University, and is a staff engineer at Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That the attached engineering report was prepared by him or under his supervision and direction and

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.

  
\_\_\_\_\_  
Martin R. Doczkat

Subscribed and sworn to before me this 27<sup>th</sup> day of March, 2006.

  
\_\_\_\_\_  
Notary Public

My Commission Expires: 2/28/2008



### INTRODUCTION

This engineering statement has been prepared on behalf of KCTS Television, licensee of TV translator K18AD, East Wenatchee, Washington. This statement supports the licensee's request to convert to DTV operation on the currently licensed analog Channel 18, commonly referred to as "flash-cut" with a DTV effective radiated power ("ERP") of 60 watts at a radiation center above mean sea level ("RCAMSL") of 2066 meters.

### TRANSMITTER SITE

The existing antenna will be utilized and no significant alteration of the supporting structure is proposed. The existing supporting structure is located at Mission Ridge approximately 12 miles SW of Wenatchee, Washington. There is no change in transmitter site. The geographic coordinates of the site follow below.

North Latitude: 47° 16' 27"

West Longitude: 120° 24' 18"

NAD-27

### ELEVATION DATA

Elevation of site above mean sea level	2059.9 meters (6758 feet)
Center of radiation of antenna above ground level	6.1 meters (20 feet)
Center of radiation of antenna above mean sea level	2066 meters (6778 feet)

Antenna structure registration is not required as the existing structure supporting the currently licensed antenna is 9.1 meters overall in height above ground level. A sketch of the building which supports the currently licensed antenna for K18AD is included as Exhibit E-1.

#### EQUIPMENT DATA

Transmitter:	Type-approved
Transmission Line:	Andrew, Type LDF5-50A Helix, 7/8", 15.2 meters (50 feet) with 90.6% efficiency (0.855 dB loss/100 ft)
Antenna:	Scala, 4DR-8-2HW with maximum gain of 7.1 and 0° electrical beamtilt (directional “Off-the-Shelf” antenna available on file in the Commission’s database, Antenna ID #20751)

#### POWER DATA

Transmitter:	9.33 W	9.70 dBW
Transmission Line Loss:	90.6%	-0.43 dB
Input Into Antenna:	8.45 W	9.27 dBW
Antenna Gain:	7.1 X	8.51 dB
ERP:	60 W	17.78 dBW

As indicated above, the transmitter with typical power output of 9.33 watts will deliver 8.45 watts to the input of the antenna. The antenna, having a maximum gain of 7.1 and an electrical beamtilt of 0°, will produce maximum ERP of 60 watts. A map providing the protected contour of the proposed facility compared to the currently licensed operation of

K18AD has been included as Exhibit E-2 of this report. The antenna elevation pattern and associated tabulation and the horizontal pattern and accompanying tabulation is on file at the FCC since this antenna is an "Off-the-Shelf" antenna.

### OTHER BROADCAST FACILITIES

A brief analysis was completed to determine the presence of stations in the vicinity of the K18AD tower using the March 16, 2006 data contained within the Commission's Consolidated Database System ("CDBS"). Within 500 meters of the proposed site, no authorized FM radio stations were identified, no authorized DTV and NTSC television stations, and seven other authorized low-power analog television or television translator stations aside from K18AD were also found. There are no AM facilities within 3.2 km of the existing tower. Although no adverse technical affects are expected due to the proposed changes, the licensee will take measures to resolve any problems proven to be related to the changes proposed in this application.

### Interference Analysis

A study of predicted interference caused by the proposed K18AD digital translator operation has been performed using the Longley-Rice program for which the source code and data have been posted by the Commission on its website at [http://www.fcc.gov/oet/dtv/dtv\\_apps.html](http://www.fcc.gov/oet/dtv/dtv_apps.html). The FCC's FORTRAN-77 code was modified only to the extent necessary (primarily input/output handling) for the program to run on a Microsoft Windows XP/Intel platform. Comparison of service/interference areas and population indicates this model closely matches the FCC's digital low-power TV/translator evaluation program. Best

efforts have been made to use data and calculations identical to the FCC's program. The model employs the Longley-Rice propagation methodology and evaluates in grid cells of approximately 1 sq. km. Using 3-second terrain data sampled approximately every 1.0 km at one-degree azimuth intervals with 1990 census centroids, all studies are based upon data in the current CDBS database update of the FCC's engineering database and assume the simple emission mask. A Longley-Rice study was performed with the proposed K18AD digital translator facilities and all relevant stations listed in the FCC data base as of March 28, 2006. The study results and the included stations are listed in Exhibit E-3.

#### Other Licensed and Broadcast Facilities

No adverse technical effect is anticipated by the proposed DTV operation to any other FCC licensed facility. If required, the licensee will install filters or take other measures as necessary to resolve the problem.

#### FCC Rule, Section 1.1307

The proposed 60 watt directional operation will utilize a Scala, Type 4DR-8-2HW antenna (or equivalent) described above with a center of radiation above ground of 6.1 meters. The proposed antenna is side-mounted on the side of a building with an overall height of 9.1 meters above ground.

As previously indicated, there are no AM stations located within 3.2 km of the proposed site. According to the FCC database, there are also no FM or full-service TV stations, and eight low-power analog television or television translator stations located within 500 meters of the K18AD facility. Access to the property is prevented by a security fence with a locked gate.

The proposed digital operation will radiate less average power than the currently licensed analog K18AD, presuming an NTSC 40% average to peak visual power ratio.

Further, the proposed operation of K18AD is less than 100 watts maximum ERP; therefore, based upon the current OET Bulletin No. 65, Edition 97-01 dated August 1997 and Supplement A, this proposal is exempt from demonstrating compliance with the FCC radiofrequency field ("RFF") guidelines under Part 74, Subpart G, and the RFF element of Section 1.1307 of the FCC Rules.

Authorized personnel and rigging contractors will be alerted to the potential zone of high radiation near the antenna, and if necessary, the station will operate with reduced power or terminate the operation of the transmitter as appropriate when it is necessary for authorized personnel or contractors to perform work on or near the building. Workers and the general public, therefore, will not be subjected to RFF levels in excess of the current FCC guidelines.

#### Environmental Assessment

An environmental assessment ("EA") is categorically excluded under Section 1.1306 of the FCC Rules and Regulations as the supporting structure (building) was constructed prior to the requirements specified in WT Docket No. 03-128 and the applicant indicates:

- (a)(1) The existing supporting structure is not located in an officially designated wilderness area.
- (a)(2) The existing supporting structure is not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities side-mounted on an existing building will not affect any listed threatened or endangered species or habitats.



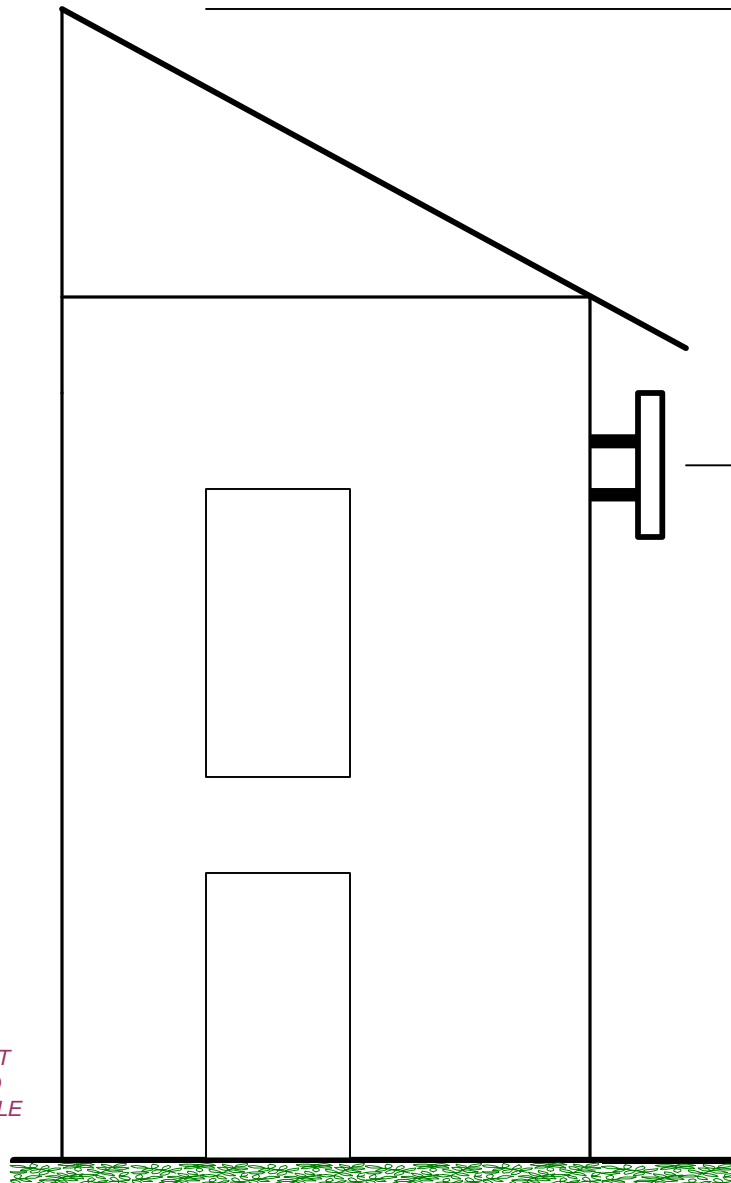
- (a)(3)(ii) The proposed digital translator facilities side-mounted on an existing building will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed digital translator facilities are side-mounted on an existing building and were built prior to the adoption of WT Docket No. 03-128 and are grandfathered and have not affected any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The existing structure is not located near any known Indian religious sites.
- (a)(6) The existing structure is not located in a flood plain.
- (a)(7) The installation of the proposed digital translator facilities on an existing structure will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to equip the supporting structure with high intensity white lights unless required by the FAA.
- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.

**ABOVE**  
**GROUND**

ABOVE  
MEAN SEA LEVEL

(30') 9.2 METERS

(6788') 2069.1 METERS



**(20') 6.1 METERS (6778') 2066.0 METERS C/R**

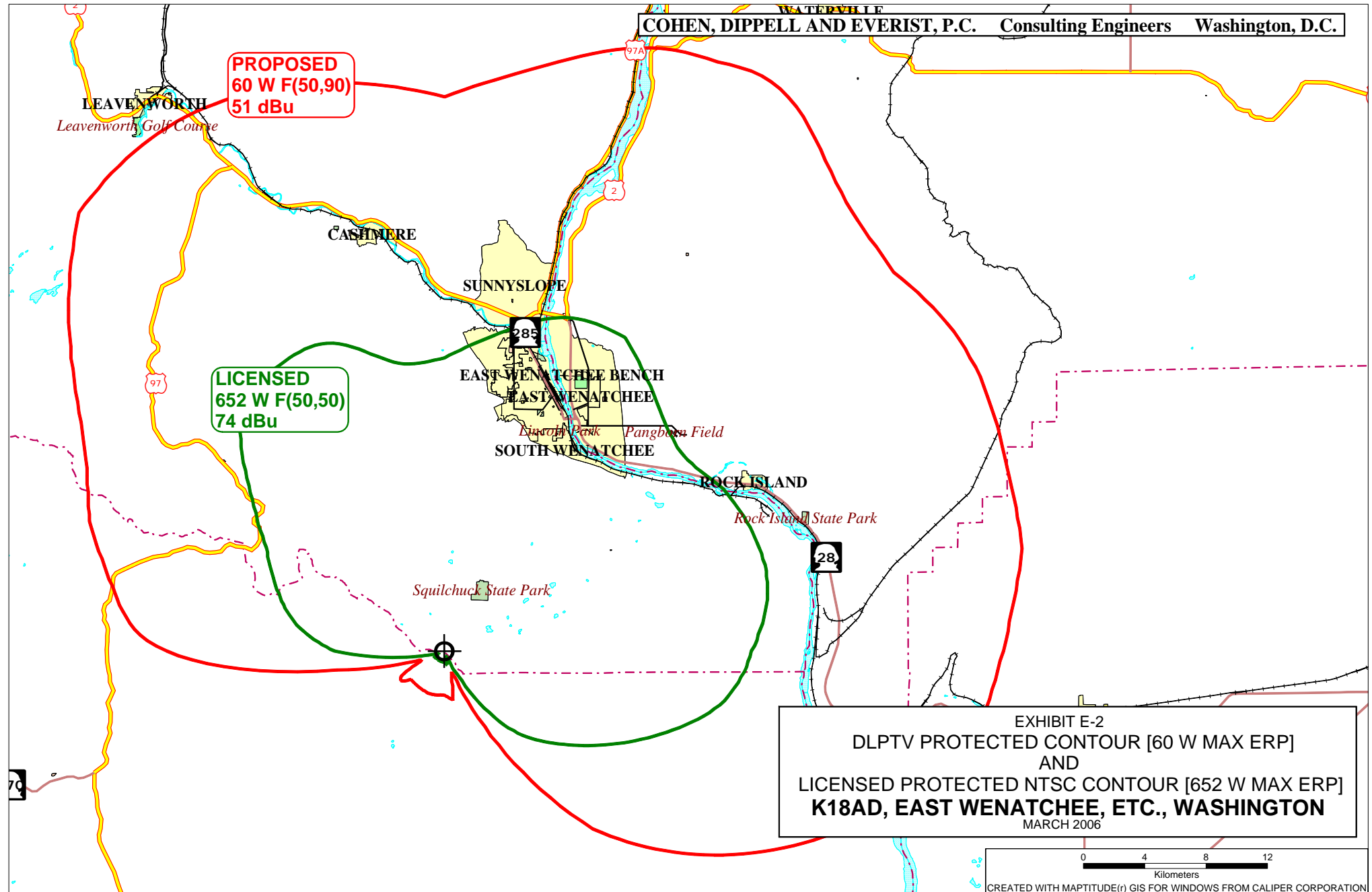
NOT  
TO  
SCALE

(0') 0 METERS

(6758') 2059.9 METERS

EXHIBIT E-1  
VERTICAL SKETCH  
FOR THE PROPOSED OPERATION OF  
**K18AD, EAST WENATCHEE, WASHINGTON**

MARCH 2006



1990 Census data selected  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-26-2006 Time: 20:15:21

Record Selected for Analysis

K18AD-D RJH -2117RJH EAST WENATCHEE, ETC. WA US  
Channel 18 ERP 0.06 kW HAAT 789 m RCAMSL 2066 m  
Latitude 47 -16-27 Longitude 120 -24-18  
Status MAX Zone 2 Border Offset  
Dir Antenna Make CDB Model 00000000000982 Beam tilt N Ref Azimuth 25  
Last update Cutoff date 18991231 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	0.039	1005.5	36.1
45.0	0.041	1251.5	38.7
90.0	0.054	867.8	36.4
135.0	0.010	357.2	18.3
180.0	0.000	719.9	1.8
225.0	0.000	672.3	1.8
270.0	0.004	525.6	17.9
315.0	0.050	766.1	34.5

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station 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 within the Canadian coordination distance  
Distance to border = 191.8km

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
18	K18AD-D	EAST WENATCHEE, ETC. WA	RJH 2117RJH

#### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	K14BF	WENATCHEE WA	25.8	LIC	BLTTL	-198612291A
15	K15DE	ELLENSBURG WA	43.0	LIC	BLTT	-19930324JE
15	KVVK-CA	KENNEWICK WA	141.9	LIC	BLTTA	-20021227ABJ
17	K65CH	ARLINGTON OR	168.3	CP	BPTT	-20020401AAI
18	K18DT	COEUR D'ALENE ID	280.6	LIC	BLTTL	-199305171D
18	K18HQ	SANDPOINT ID	301.0	CP	BNPTTL	-20000830BJE

K18AD-D 60w to KEPR-DT CP.txt						
18	KTVZ	BEND OR	362.5	CP MOD	BMPCDT	-20020304ADV
18	K18EL	NEWBERG/TIGARD OR	291.2	LIC	BLTTL	-19940506IN
18	K18FR	NEWPORT OR	396.6	LIC	BLTT	-20021217AAQ
18	K61BX	THE DALLES OR	182.0	CP	BPTT	-20040428AAY
18	KEPR-TV	PASCOE WA	160.2	CP	BPCDT	-19991027ACX
18	KCPQ	TACOMA WA	183.1	LIC	BLCDT	-20010212ABV
19	K19AU	OMAK/OKANOGAN WA	155.9	LIC	BLTT	-19870923IB
19	KEPR-TV	PASCO WA	160.2	LIC	BLCT	-2582
20	NEW	TWIST WA	118.0	APP	BNPTTL	-20000830BKJ
21	K21HL	PATEROS WA	88.1	CP	BNPTTL	-20000830BUY
21	K21AJ	QUINCY WA	45.9	LIC	BLTT	-19970807JD
25	K25FP	ELLENSBURG WA	43.1	LIC	BLTTL	-19971103IP

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Analysis of Interference to Affected Station 11

Analysis of current record				
Channel	Call	City/State	Application	Ref. No.
18	KEPR-TV	PASCOE WA	BPCDT	-19991027ACX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KWSU-DT	PULLMAN WA	176.2	PLN	DTVPLN	-DTPV0274
17	KWSU-TV	PULLMAN WA	176.2	CP MOD	BMPEDT	-20011003ABJ
18	KTVZ	BEND OR	280.3	CP MOD	BMPCDT	-20020304ADV
18	KTVZ-DT	BEND OR	280.3	PLN	DTVPLN	-DTPV0304
18	K18AD-D	EAST WENATCHEE, ETC. WA	160.2	MAX	RJH	-2117RJH
18	KCPQ	TACOMA WA	318.7	LIC	BLCDT	-20010212ABV
18	KCPQ-DT	TACOMA WA	318.7	PLN	DTVPLN	-DTPV0318
19	KEPR-TV	PASCO WA	0.0	LIC	BLCT	-2582

Total scenarios = 1

Result key: 1

Scenario	1	Affected station	11
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Before Analysis

Results for: 18A WA PASCOE				
HAAT	355.0 m,	ATV ERP	36.4 kW	
		POPULATION	AREA (sq km)	
within Noise Limited Contour		298763	19860.7	
not affected by terrain losses		253607	18116.7	
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

After Analysis

Results for: 18A WA PASCOE				
HAAT	355.0 m,	ATV ERP	36.4 kW	
		POPULATION	AREA (sq km)	
within Noise Limited Contour		298763	19860.7	
not affected by terrain losses		253607	18116.7	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		1077	41.7	
lost to ATV IX only		1077	41.7	
lost to all IX		1077	41.7	

Potential Interfering Stations Included in above Scenario 1

18A WA EAST WENATCHEE, ETC. RJH 2117RJH MAX

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

1990 Census data selected  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-27-2006 Time: 10:46:03

Record Selected for Analysis

K18AD-D RJH -2117RJH EAST WENATCHEE, ETC. WA US  
Channel 18 ERP 0.06 kW HAAT 789 m RCAMSL 2066 m  
Latitude 47 -16-27 Longitude 120 -24-18  
Status MAX Zone 2 Border Offset  
Dir Antenna Make CDB Model 00000000000982 Beam tilt N Ref Azimuth 25  
Last update Cutoff date 18991231 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	0.039	1005.5	36.1
45.0	0.041	1251.5	38.7
90.0	0.054	867.8	36.4
135.0	0.010	357.2	18.3
180.0	0.000	719.9	1.8
225.0	0.000	672.3	1.8
270.0	0.004	525.6	17.9
315.0	0.050	766.1	34.5

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station 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 within the Canadian coordination distance  
Distance to border = 191.8km

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	Call	City/State	ARN
18	K18AD-D	EAST WENATCHEE, ETC. WA	RJH
			2117RJH

#### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	K14BF	WENATCHEE WA	25.8	LIC	BLTTL	-198612291A
15	K15DE	ELLENSBURG WA	43.0	LIC	BLTT	-19930324JE
15	KVVK-CA	KENNEWICK WA	141.9	LIC	BLTTA	-20021227ABJ
17	K65CH	ARLINGTON OR	168.3	CP	BPTT	-20020401AAI
18	K18DT	COEUR D'ALENE ID	280.6	LIC	BLTTL	-199305171D
18	K18HQ	SANDPOINT ID	301.0	CP	BNPTTL	-20000830BJE

## K18AD-D 60w.txt

18	KTVZ	BEND OR	362.5	CP MOD	BMPCDT	-20020304ADV
18	K18EL	NEWBERG/TIGARD OR	291.2	LIC	BLTTL	-199405061N
18	K18FR	NEWPORT OR	396.6	LIC	BLTT	-20021217AAQ
18	K61BX	THE DALLES OR	182.0	CP	BPTT	-20040428AAQ
18	KEPR-TV	PASCOE WA	160.2	CP	BPCDT	-19991027ACX
18	KCPQ	TACOMA WA	183.1	LIC	BLCDDT	-20010212ABV
19	K19AU	OMAK/OKANOGAN WA	155.9	LIC	BLTT	-198709231B
19	KEPR-TV	PASCO WA	160.2	LIC	BLCT	-2582
20	NEW	TWIST WA	118.0	APP	BNPTTL	-20000830BKJ
21	K21HL	PATEROS WA	88.1	CP	BNPTTL	-20000830BUY
21	K21AJ	QUINCY WA	45.9	LIC	BLTT	-19970807JD
25	K25FP	ELLENSBURG WA	43.1	LIC	BLTTL	-199711031P

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## Analysis of Interference to Affected Station 1

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	K14BF	WENATCHEE WA	BLTTL	-198612291A

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KTBW-DT	TACOMA WA	194.4	PLN	DTVPLN	-DTVP0145
14	KTBW-TV	TACOMA WA	194.5	CP	BPCDT	-19990601KE
14	960920WA	VANCOUVER WA	290.6	APP	BPET	-19960920WA
14	KAPP	YAKIMA WA	106.1	CP MOD	BMPCDT	-20041101AED
14	KAPP-DT	YAKIMA WA	106.1	PLN	DTVPLN	-DTVP0146
16	KNDO	YAKIMA WA	106.0	CP	BPCDT	-19991027ACH
16	KNDO-DT	YAKIMA WA	106.0	PLN	DTVPLN	-DTVP0236
18	K18AD-D	EAST WENATCHEE, ETC. WA	25.8	MAX	RJH	-2117RJH
21	KYVE	YAKIMA WA	106.0	LIC	BLEDT	-20030910ACL
21	KYVE-DT	YAKIMA WA	106.0	PLN	DTVPLN	-DTVP0438
29	KIMA-TV	YAKIMA WA	106.0	LIC	BLCT	-2586

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.
15	K15DE	ELLENSBURG WA	BLTT	-19930324JE

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KAPP	YAKIMA WA	39.8	CP MOD	BMPCDT	-20041101AED
14	KAPP-DT	YAKIMA WA	39.8	PLN	DTVPLN	-DTVP0146
15	KCKA	CENTRALIA WA	202.7	LIC	BLET	-19821004KG
15	KVVK-CA	KENNEWICK WA	112.2	LIC	BLTTA	-20021227ABJ
15	KHQ-DT	SPOKANE WA	249.6	PLN	DTVPLN	-DTVP0192
15	KHQ-TV	SPOKANE WA	249.6	CP MOD	BMPCDT	-20050902ABX
15	KHQ-TV	SPOKANE WA	249.6	LIC	BLCDDT	-20050630AAE
16	KNDO	YAKIMA WA	39.7	CP	BPCDT	-19991027ACH
16	KNDO-DT	YAKIMA WA	39.7	PLN	DTVPLN	-DTVP0236
18	K18AD-D	EAST WENATCHEE, ETC. WA	43.0	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	129.9	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	129.9	CP	BPCDT	-19991027ACX
29	KIMA-TV	YAKIMA WA	39.8	LIC	BLCT	-2586

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.
15	KVVK-CA	KENNEWICK WA	BLTTA	-20021227ABJ

## Stations Potentially Affecting This Station

## K18AD-D 60w. txt

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KAPP	YAKIMA WA	97.0	CP MOD	BMPCDT	-20041101AED
14	KAPP-DT	YAKIMA WA	97.0	PLN	DTVPLN	-DTVP0146
15	K15EY	WASCO/HEPPNER OR	107.8	LIC	BLTT	-19980818JA
15	KCKA	CENTRALIA WA	288.6	LIC	BLET	-19821004KG
15	KHQ-DT	SPOKANE WA	214.4	PLN	DTVPLN	-DTVP0192
15	KHQ-TV	SPOKANE WA	214.4	CP MOD	BMPCDT	-20050902ABX
15	KHQ-TV	SPOKANE WA	214.4	LIC	BLCDT	-20050630AAE
16	KNDO	YAKIMA WA	96.8	CP	BPCDT	-19991027ACH
16	KNDO-DT	YAKIMA WA	96.8	PLN	DTVPLN	-DTVP0236
18	K18AD-D	EAST WENATCHEE, ETC. WA	141.9	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	18.3	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	18.3	CP	BPCDT	-19991027ACX
19	KEPR-TV	PASCO WA	18.3	LIC	BLCT	-2582
29	KIMA-TV	YAKIMA WA	96.9	LIC	BLCT	-2586

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.
17	K65CH	ARLINGTON OR	BPTT	-20020401AAI

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KAPP	YAKIMA WA	87.8	CP MOD	BMPCDT	-20041101AED
14	KAPP-DT	YAKIMA WA	87.8	PLN	DTVPLN	-DTVP0146
16	KNDO	YAKIMA WA	87.9	CP	BPCDT	-19991027ACH
16	KNDO-DT	YAKIMA WA	87.9	PLN	DTVPLN	-DTVP0236
17	KMTR	EUGENE OR	283.7	LIC	BLCDT	-20030618AAY
17	KMTR-DT	EUGENE OR	283.7	PLN	DTVPLN	-DTVP0266
17	KWSU-DT	PULLMAN WA	265.4	PLN	DTVPLN	-DTVP0274
17	KWSU-TV	PULLMAN WA	265.4	CP MOD	BMPEDT	-20011003ABJ
18	K18AD-D	EAST WENATCHEE, ETC. WA	168.3	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	89.4	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	89.5	CP	BPCDT	-19991027ACX
21	KYVE	YAKIMA WA	87.9	LIC	BLEDT	-20030910ACL
21	KYVE-DT	YAKIMA WA	87.9	PLN	DTVPLN	-DTVP0438
31	KTNW	RICHLAND WA	94.2	LIC	BLET	-20000628AET

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.
18	K18DT	COEUR D'ALENE ID	BLTTL	-19930517ID

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KHQ-DT	SPOKANE WA	45.6	PLN	DTVPLN	-DTVP0192
15	KHQ-TV	SPOKANE WA	45.6	CP MOD	BMPCDT	-20050902ABX
15	KHQ-TV	SPOKANE WA	45.6	LIC	BLCDT	-20050630AAE
17	KWSU-DT	PULLMAN WA	102.3	PLN	DTVPLN	-DTVP0274
17	KWSU-TV	PULLMAN WA	102.3	CP MOD	BMPEDT	-20011003ABJ
18	K18HQ	SANDPOINT ID	66.7	CP	BNPTTL	-20000830BJE
18	K18AJ	KALISPELL MT	185.0	LIC	BLTTL	-19921019JH
18	K18AD-D	EAST WENATCHEE, ETC. WA	280.6	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	260.6	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	260.6	CP	BPCDT	-19991027ACX
20	KREM-DT	SPOKANE WA	45.2	PLN	DTVPLN	-DTVP0402
20	KREM-TV	SPOKANE WA	45.2	LIC	BLCDT	-20050623ABG
32	KLEW-DT	LEWISTON ID	144.4	PLN	DTVPLN	-DTVP0812
32	KLEW-TV	LEWISTON ID	144.4	CP	BPCDT	-19991021ACJ



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.
18	K18HQ	SANDPOINT ID	BNPTTL	-20000830BJE

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KHQ-DT	SPOKANE WA	94.7	PLN	DTVPLN	-DTVP0192
15	KHQ-TV	SPOKANE WA	94.7	CP MOD	BMPCDT	-20050902ABX
15	KHQ-TV	SPOKANE WA	94.7	LIC	BLCDDT	-20050630AAE
18	K18DT	COEUR D'ALENE ID	66.7	LIC	BLTTL	-19930517ID
18	K18AJ	KALI SPELL MT	175.7	LIC	BLTTL	-19921019JH
18	K18AD-D	EAST WENATCHEE, ETC. WA	301.0	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	311.8	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	311.8	CP	BPCDT	-19991027ACX
20	KREM-DT	SPOKANE WA	93.4	PLN	DTVPLN	-DTVP0402
20	KREM-TV	SPOKANE WA	93.5	LIC	BLCDDT	-20050623ABG

Proposal causes no interference

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### Analysis of Interference to Affected Station 7

#### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KTVZ-DT	BEND OR	DTVPLN	-DTVP0304

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KMTR-DT	EUGENE OR	133.3	PLN	DTVPLN	-DTVP0266
18	KROZ-DT	ROSEBURG OR	185.4	PLN	DTVPLN	-DTVP0305
18	KEPR-DT	PASCO WA	280.3	PLN	DTVPLN	-DTVP0317
18	KCPQ-DT	TACOMA WA	402.3	PLN	DTVPLN	-DTVP0318
19	KPIC-DT	ROSEBURG OR	184.6	PLN	DTVPLN	-DTVP0351

Results for: 18A OR BEND DTVPLN DTVP0304 PLN

HAAT	197.0 m	ATV ERP	50.0 kW
POPULATION			
within Noise Limited Contour	87456	AREA (sq km)	6402.3
not affected by terrain losses	85565		5831.8
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.
21	KTVZ	BEND OR	DTVPLN	-NPLN1251

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KEZI-DT	EUGENE OR	133.3	PLN	DTVPLN	-DTVP0138del
17	KMTR-DT	EUGENE OR	133.3	PLN	DTVPLN	-DTVP0266
18	KTVZ-DT	BEND OR	0.0	PLN	DTVPLN	-DTVP0304
20	KBSP-DT	SALEM OR	148.9	PLN	DTVPLN	-DTVP0394del
21	KYVE-DT	YAKIMA WA	280.3	PLN	DTVPLN	-DTVP0438
22	KBSPTV	SALEM OR	148.9	PLN	DTVPLN	-NPLN1254
28	KEPB	EUGENE OR	142.7	PLN	DTVPLN	-NPLN1265

Results for: 21N OR BEND DTVPLN NPLN1251 PLN

POPULATION	AREA (sq km)
within Noise Limited Contour	87456
not affected by terrain losses	82653
lost to NTSC IX	0
lost to additional IX by ATV	0
lost to all IX	0

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KTVZ	BEND OR	BMPCDT	-20020304ADV

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KMTR	EUGENE OR	133.3	LIC	BLC DT	-20030618AAY
17	KMTR-DT	EUGENE OR	133.3	PLN	DTVPLN	-DTVP0266
18	KROZ-DT	ROSEBURG OR	185.4	PLN	DTVPLN	-DTVP0305
18	KTVZ	ROSEBURG OR	185.4	CP	BPCDT	-20000807AHF
18	K18AD-D	EAST WENATCHEE, ETC. WA	362.5	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	280.3	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	280.3	CP	BPCDT	-19991027ACX
18	KCPQ	TACOMA WA	402.3	LIC	BLC DT	-20010212ABV
18	KCPQ-DT	TACOMA WA	402.3	PLN	DTVPLN	-DTVP0318
19	KPIC-DT	ROSEBURG OR	184.6	PLN	DTVPLN	-DTVP0351
19	KPIC	ROSEBURG OR	185.5	CP	BPCDT	-19991027AAS

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.
18	K18EL	NEWBERG/TIGARD OR	BLTTL	-199405061N

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KEZI -DT	EUGENE OR	137.7	PLN	DTVPLN	-DTVP0138del
16	KORS-CA	SALEM OR	26.5	STA	BSTA	-20050310AEV
18	KTVZ	BEND OR	193.1	CP MOD	BMPCDT	-20020304ADV
18	KTVZ-DT	BEND OR	193.1	PLN	DTVPLN	-DTVP0304
18	K18FR	NEWPORT OR	106.4	LIC	BLTT	-20021217AAQ
18	KROZ-DT	ROSEBURG OR	237.0	PLN	DTVPLN	-DTVP0305
18	KTVZ	ROSEBURG OR	237.0	CP	BPCDT	-20000807AHF
18	K18AD-D	EAST WENATCHEE, ETC. WA	291.2	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	305.9	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	305.9	CP	BPCDT	-19991027ACX
18	KCPQ	TACOMA WA	244.2	LIC	BLC DT	-20010212ABV
18	KCPQ-DT	TACOMA WA	244.2	PLN	DTVPLN	-DTVP0318
19	KCKA	CENTRALIA WA	133.5	LIC	BLEDT	-20051005AAZ
19	KCKA-DT	CENTRALIA WA	133.5	PLN	DTVPLN	-DTVP0360
20	KBSP-DT	SALEM OR	45.7	PLN	DTVPLN	-DTVP0394del
32	KWBP	SALEM OR	63.7	LIC	BLCT	-19990816KE
33	KWBP	SALEM OR	26.8	LIC	BLC DT	-20030902ABR
33	KWBP-DT	SALEM OR	64.1	PLN	DTVPLN	-DTVP0863

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.
18	K18FR	NEWPORT OR	BLTT	-20021217AAQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KEZI -DT	EUGENE OR	109.5	PLN	DTVPLN	-DTVP0138del
16	KORS-CA	SALEM OR	132.9	STA	BSTA	-20050310AEV
17	KMTR	EUGENE OR	109.5	LIC	BLC DT	-20030618AAY
17	KMTR-DT	EUGENE OR	109.5	PLN	DTVPLN	-DTVP0266
18	KTVZ	BEND OR	228.5	CP MOD	BMPCDT	-20020304ADV
18	KTVZ-DT	BEND OR	228.5	PLN	DTVPLN	-DTVP0304
18	K18EL	NEWBERG/TIGARD OR	106.4	LIC	BLTTL	-199405061N
18	KROZ-DT	ROSEBURG OR	178.8	PLN	DTVPLN	-DTVP0305
18	KTVZ	ROSEBURG OR	178.8	CP	BPCDT	-20000807AHF
18	K18AD-D	EAST WENATCHEE, ETC. WA	396.6	MAX	RJH	-2117RJH
18	KCPQ	TACOMA WA	324.6	LIC	BLC DT	-20010212ABV

			K18AD-D 60w.txt		
18	KCPQ-DT	TACOMA WA	324.6	PLN	DTVPLN -DTVP0318
20	KBSP-DT	SALEM OR	110.0	PLN	DTVPLN -DTVP0394del
25	KVAL-DT	EUGENE OR	111.9	PLN	DTVPLN -DTVP0578
25	KVAL-TV	EUGENE OR	111.9	CP MOD	BMPCDT -20000427ABM
32	KWBP	SALEM OR	137.5	LIC	BLCT -19990816KE
33	KWBP	SALEM OR	133.2	LIC	BLCDDT -20030902ABR
33	KWBP-DT	SALEM OR	137.7	PLN	DTVPLN -DTVP0863

Proposal causes no interference

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#### Analysis of Interference to Affected Station 10

Channel	Call	City/State	Application	Ref. No.
18	K61BX	THE DALLES OR	BPTT	-20040428AAY

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KAPP	YAKIMA WA	102.5	CP MOD	BMPCDT	-20041101AED
14	KAPP-DT	YAKIMA WA	102.5	PLN	DTVPLN	-DTVP0146
16	KORS-CA	SALEM OR	128.4	STA	BSTA	-20050310AEV
16	KNDO	YAKIMA WA	102.6	CP	BPCDDT	-19991027ACH
16	KNDO-DT	YAKIMA WA	102.6	PLN	DTVPLN	-DTVP0236
18	KTVZ	BEND OR	182.4	CP MOD	BMPCDT	-20020304ADV
18	KTVZ-DT	BEND OR	182.4	PLN	DTVPLN	-DTVP0304
18	KROZ-DT	ROSEBURG OR	326.1	PLN	DTVPLN	-DTVP0305
18	KTVC	ROSEBURG OR	326.1	CP	BPCDDT	-20000807AHF
18	K18AD-D	EAST WENATCHEE, ETC. WA	182.0	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	154.9	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	154.9	CP	BPCDDT	-19991027ACX
18	KCPQ	TACOMA WA	241.4	LIC	BLCDDT	-20010212ABV
18	KCPQ-DT	TACOMA WA	241.4	PLN	DTVPLN	-DTVP0318
21	KYVE	YAKIMA WA	102.5	LIC	BLEDT	-20030910ACL
21	KYVE-DT	YAKIMA WA	102.5	PLN	DTVPLN	-DTVP0438
32	KWBP	SALEM OR	123.3	LIC	BLCT	-19990816KE
33	KWBP	SALEM OR	127.6	LIC	BLCDDT	-20030902ABR
33	KWBP-DT	SALEM OR	123.2	PLN	DTVPLN	-DTVP0863
33	K33CJ	WASCO/HEPPNER OR	44.2	LIC	BLTTL	-19980903JE
33	KIMA-DT	YAKIMA WA	102.5	PLN	DTVPLN	-DTVP0868
33	KIMA-TV	YAKIMA WA	102.5	CP	BPCDDT	-19991027ACN

Proposal causes no interference

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#### Analysis of Interference to Affected Station 11

Channel	Call	City/State	Application	Ref. No.
18	KEPR-TV	PASCOE WA	BPCDDT	-19991027ACX

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KWSU-DT	PULLMAN WA	176.2	PLN	DTVPLN	-DTVP0274
17	KWSU-TV	PULLMAN WA	176.2	CP MOD	BMPEDT	-20011003ABJ
18	KTVZ	BEND OR	280.3	CP MOD	BMPCDT	-20020304ADV
18	KTVZ-DT	BEND OR	280.3	PLN	DTVPLN	-DTVP0304
18	K18AD-D	EAST WENATCHEE, ETC. WA	160.2	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	0.0	PLN	DTVPLN	-DTVP0317
18	KCPQ	TACOMA WA	318.7	LIC	BLCDDT	-20010212ABV
18	KCPQ-DT	TACOMA WA	318.7	PLN	DTVPLN	-DTVP0318
19	KEPR-TV	PASCO WA	0.0	LIC	BLCT	-2582

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 11  
 Before Analysis

Results for: 18A WA PASCOE BPCDDT 19991027ACX CP  
 HAAT 355.0 m, ATV ERP 36.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	298763	19860.7
not affected by terrain losses	253607	18116.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	233991	15604.6
lost to ATV IX only	233991	15604.6
lost to all IX	233991	15604.6

Potential Interfering Stations Included in above Scenario 1

18A WA PASCO DTVPLN DTVP0317 PLN

After Analysis

Results for: 18A WA PASCOE BPCDT 19991027ACX CP  
HAAT 355.0 m, ATV ERP 36.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	298763	19860.7
not affected by terrain losses	253607	18116.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	233991	15604.6
lost to ATV IX only	233991	15604.6
lost to all IX	233991	15604.6

Potential Interfering Stations Included in above Scenario 1

18A WA PASCO DTVPLN DTVP0317 PLN  
18A WA EAST WENATCHEE, ETC. RJH 2117RJH MAX

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## Analysis of Interference to Affected Station 12

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KCPQ-DT	TACOMA WA	DTVPLN	-DTVP0318

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KTVZ-DT	BEND OR	402.3	PLN	DTVPLN	-DTVP0304
18	KEPR-DT	PASCO WA	318.6	PLN	DTVPLN	-DTVP0317
19	KBCB-DT	BELLINGHAM WA	125.8	PLN	DTVPLN	-DTVP0359
19	KCKA-DT	CENTRALIA WA	112.1	PLN	DTVPLN	-DTVP0360

Results for: 18A WA TACOMA DTVPLN DTVP0318 PLN  
HAAT 610.0 m, ATV ERP 603.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3270913	45446.6
not affected by terrain losses	3151799	33583.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15647	475.5
lost to ATV IX only	15647	475.5
lost to all IX	15647	475.5

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
13	KCPQ	TACOMA WA	DTVPLN	-NPLN1631

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KVOSTV	BELLINGHAM WA	125.6	PLN	DTVPLN	-NPLN1629
13	KVALTV	EUGENE OR	394.9	PLN	DTVPLN	-NPLN1239

Results for: 13N WA TACOMA DTVPLN NPLN1631 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	3270837	45441.6
not affected by terrain losses	3158131	34369.6
lost to NTSC IX	130122	2879.5
lost to additional IX by ATV	0	0.0
lost to all IX	130122	2879.5

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KCPQ	TACOMA WA	BLCDT	-20010212ABV

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KTVZ	BEND OR	402.3	CP MOD	BMPCDT	-20020304ADV
18	KTVZ-DT	BEND OR	402.3	PLN	DTVPLN	-DTVP0304
18	K18AD-D	EAST WENATCHEE, ETC. WA	183.1	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	318.6	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	318.7	CP	BPCDT	-19991027ACX
19	KBCB	BELLINGHAM WA	125.8	LIC	BLCDDT	-20040128AKD
19	KBCB-DT	BELLINGHAM WA	125.8	PLN	DTVPLN	-DTVP0359
19	KCKA	CENTRALIA WA	112.1	LIC	BLEDT	-20051005AAZ
19	KCKA-DT	CENTRALIA WA	112.1	PLN	DTVPLN	-DTVP0360

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.
19	K19AU	OMAK/OKANOGAN WA	BLTT	-198709231B

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	K18AD-D	EAST WENATCHEE, ETC. WA	155.9	MAX	RJH	-2117RJH
19	KBCB	BELLINGHAM WA	262.2	LIC	BLCDDT	-20040128AKD
19	KBCB-DT	BELLINGHAM WA	262.1	PLN	DTVPLN	-DTVP0359
19	KCKA	CENTRALIA WA	353.3	LIC	BLEDT	-20051005AAZ
19	KCKA-DT	CENTRALIA WA	353.3	PLN	DTVPLN	-DTVP0360
19	KEPR-TV	PASCO WA	262.8	LIC	BLCT	-2582

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 14

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KEPRTV	PASCO WA	DTVPLN	-NPLN1640

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KNDO-DT	YAKIMA WA	112.0	PLN	DTVPLN	-DTVP0236
18	KEPR-DT	PASCO WA	0.0	PLN	DTVPLN	-DTVP0317
19	KBCB	BELLINGHAM WA	397.1	PLN	DTVPLN	-DTVP0359
19	KCKA-DT	CENTRALIA WA	301.0	PLN	DTVPLN	-DTVP0360
21	KYVE-DT	YAKIMA WA	112.1	PLN	DTVPLN	-DTVP0438
23	KNDO	YAKIMA WA	112.0	PLN	DTVPLN	-NPLN1651
26	KNDO-DT	RICHLAND WA	4.8	PLN	DTVPLN	-DTVP0620
33	KIMA-DT	YAKIMA WA	112.1	PLN	DTVPLN	-DTVP0868
34	NEW	SPOKANE WA	218.8	PLN	DTVPLN	-NPLN1673

Results for:	19N WA PASCO	DTVPLN	NPLN1640	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour	254207	16378.7		
not affected by terrain losses	230264	15385.0		
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.
19	KEPR-TV	PASCO WA	BLCT	-2582

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KNDO	YAKIMA WA	112.0	CP	BPCDT	-19991027ACH
16	KNDO-DT	YAKIMA WA	112.0	PLN	DTVPLN	-DTVP0236

## K18AD-D 60w. txt

18	K18AD-D	EAST WENATCHEE, ETC. WA	160.2	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	0.0	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	0.0	CP	BPCDT	-19991027ACX
19	KBCB	BELLINGHAM WA	397.2	LIC	BLCDDT	-20040128AKD
19	KBCB-DT	BELLINGHAM WA	397.1	PLN	DTVPLN	-DTVP0359
19	KCKA	CENTRALIA WA	301.0	LIC	BLEDT	-20051005AAZ
19	KCKA-DT	CENTRALIA WA	301.0	PLN	DTVPLN	-DTVP0360
21	KYVE	YAKIMA WA	112.1	LIC	BLEDT	-20030910ACL
21	KYVE-DT	YAKIMA WA	112.1	PLN	DTVPLN	-DTVP0438
23	KNDU	YAKIMA WA	112.0	LIC	BLCT	-1836
26	KNDU	RICHLAND WA	4.8	CP	BPCDT	-19991027ACK
26	KNDU-DT	RICHLAND WA	4.8	PLN	DTVPLN	-DTVP0620
33	KIMA-DT	YAKIMA WA	112.1	PLN	DTVPLN	-DTVP0868
33	KIMA-TV	YAKIMA WA	112.1	CP	BPCDT	-19991027ACN
34	KGPX	SPOKANE WA	220.5	LIC	BLCT	-19990809AAA

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.
20	NEW	TWIST WA	BNPTTL	-20000830BKJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	K18AD-D	EAST WENATCHEE, ETC. WA	118.0	MAX	RJH	-2117RJH
20	KREM-DT	SPOKANE WA	224.5	PLN	DTVPLN	-DTVP0402
20	KREM-TV	SPOKANE WA	224.5	LIC	BLCDDT	-20050623ABG
20	KTBW-TV	TACOMA WA	217.1	LIC	BLCT	-19840409KG
21	K21HL	PATEROS WA	35.0	CP	BNPTTL	-20000830BUY

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 16

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	K21HL	PATEROS WA	BNPTTL	-20000830BUY

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	K18AD-D	EAST WENATCHEE, ETC. WA	88.1	MAX	RJH	-2117RJH
20	NEW	TWIST WA	35.0	APP	BNPTTL	-20000830BKJ
21	K21AJ	QUINCY WA	78.4	LIC	BLTT	-19970807JD
21	KYVE	YAKIMA WA	169.4	LIC	BLEDT	-20030910ACL
21	KYVE-DT	YAKIMA WA	169.4	PLN	DTVPLN	-DTVP0438

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 17

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	K21AJ	QUINCY WA	BLTT	-19970807JD

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KAPP	YAKIMA WA	102.9	CP MOD	BMPCDT	-20041101AED
14	KAPP-DT	YAKIMA WA	102.9	PLN	DTVPLN	-DTVP0146
18	K18AD-D	EAST WENATCHEE, ETC. WA	45.9	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	143.6	PLN	DTVPLN	-DTVP0317

			K18AD-D 60w. txt		
18	KEPR-TV	PASCOE WA	143.6	CP	BPCDT -19991027ACX
21	KTVZ	BEND OR	379.5	LIC	BLCT -19920820KT
21	K21HL	PATEROS WA	78.4	CP	BNPTTL -20000830BUY
21	KYVE	YAKIMA WA	102.8	LIC	BLEDT -20030910ACL
21	KYVE-DT	YAKIMA WA	102.8	PLN	DTVPLN -DTVP0438
35	KAPP	YAKIMA WA	102.9	LIC	BLCT -2022

Proposal causes no interference

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# Analysis of Interference to Affected Station 18

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	K25FP	ELLENSBURG WA	BLTTL	-19971103IP

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	K18AD-D	EAST WENATCHEE, ETC. WA	43.1	MAX	RJH	-2117RJH
18	KEPR-DT	PASCO WA	129.7	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	129.8	CP	BPCDT	-19991027ACX
21	KYVE	YAKIMA WA	39.7	LIC	BLEDT	-20030910ACL
21	KYVE-DT	YAKIMA WA	39.7	PLN	DTVPLN	-DTVP0438
25	KVAL-DT	EUGENE OR	382.5	PLN	DTVPLN	-DTVP0578
25	KVAL-TV	EUGENE OR	382.5	CP MOD	BMPCDT	-20000427ABM
25	KNDU	RICHLAND WA	132.9	LIC	BLCT	-19800708KE
25	KTWB-TV	SEATTLE WA	162.5	APP	BPCDT	-19991022ABF
25	KTZZ-DT	SEATTLE WA	162.5	PLN	DTVPLN	-DTVP0588
26	KNDU	RICHLAND WA	132.8	CP	BPCDT	-19991027ACK
26	KNDU-DT	RICHLAND WA	132.9	PLN	DTVPLN	-DTVP0620
32	KWPX	BELLEVUE WA	134.2	CP	BPCDT	-20050428AAK
32	KWPX	BELLEVUE WA	134.3	LIC	BLCDT	-20021108AAAY
33	KIMA-DT	YAKIMA WA	39.7	PLN	DTVPLN	-DTVP0868
33	KIMA-TV	YAKIMA WA	39.7	CP	BPCDT	-19991027ACN

Proposed station is beyond the site to nearest cell evaluation distance

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# Analysis of Interference to Affected Station 19

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	K18AD-D	EAST WENATCHEE, ETC. WA	RJH	-2117RJH

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KNDU	YAKIMA WA	82.7	CP	BPCDT	-19991027ACH
16	KNDU-DT	YAKIMA WA	82.7	PLN	DTVPLN	-DTVP0236
18	KTVZ	BEND OR	362.5	CP MOD	BMPCDT	-20020304ADV
18	KTVZ-DT	BEND OR	362.5	PLN	DTVPLN	-DTVP0304
18	KEPR-DT	PASCO WA	160.2	PLN	DTVPLN	-DTVP0317
18	KEPR-TV	PASCOE WA	160.2	CP	BPCDT	-19991027ACX
18	KCPQ	TACOMA WA	183.1	LIC	BLCDT	-20010212ABV
18	KCPQ-DT	TACOMA WA	183.1	PLN	DTVPLN	-DTVP0318
21	KYVE	YAKIMA WA	82.8	LIC	BLEDT	-20030910ACL
21	KYVE-DT	YAKIMA WA	82.8	PLN	DTVPLN	-DTVP0438
32	KWPX	BELLEVUE WA	120.3	CP	BPCDT	-20050428AAK
32	KWPX	BELLEVUE WA	120.4	LIC	BLCDT	-20021108AAAY
33	KWPX	BELLEVUE WA	120.3	APP	BPCT	-20050428AAJ
33	KWPX	BELLEVUE WA	120.4	LIC	BLCT	-19990312KE
33	KIMA-DT	YAKIMA WA	82.8	PLN	DTVPLN	-DTVP0868
33	KIMA-TV	YAKIMA WA	82.8	CP	BPCDT	-19991027ACN

Total scenarios = 1

Result key: 2  
Scenario 1 Affected station 19  
Before Analysis

Results for: 18A WA EAST WENATCHEE, ETC. RJH K18AD-D 60w.txt 2117RJH MAX  
HAAT 789.0 m, ATV ERP 0.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	59265	2749.9
not affected by terrain losses	52058	2340.5
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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