

TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
CLASS A STATION KORX-CA
FACILITY ID 71072
PENDLETON, OREGON
CH 16 84.8 KW

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of an application to modify the licensed operation of Class A station KORX-CA at Pendleton, Oregon (Facility ID: 71072; File No. BLTTA-20020722ABB). Specifically, this application proposes to relocate KORX-CA to the K33EJ transmitter site and operate with a Coel CO-18U/8 directional antenna. It is proposed to increase the ERP to 84.8 kilowatts, to change the directional antenna system, and slightly decrease the antenna radiation center height above mean sea level (RCAMSL) to 1191 meters. No other changes are proposed. This application is considered a "minor change" in facilities pursuant to Section 73.3572(a)(2), as there will be no change in frequency (output channel) and the proposed 74 dBu contour will overlap a portion of the licensed 74 dBu contour (Figure 1).

It is proposed to operate on channel 16 (482-488 MHz) with a "plus" carrier frequency offset and employing a Coel CO-18U/8 directional antenna system. The maximum ERP will be 84.8 kW. The antenna radiation center will be at 15 meters above ground level (AGL) and 1191 meters above mean sea level.

Analog TV Broadcast Station Protection

A study has been conducted using the provisions of Section 74.705 which indicates that the proposed KORX-CA operation will not create prohibited interference to other existing, authorized or proposed NTSC full-power stations, except with respect to the authorized construction permit (CP) facility of NTSC station KPOU on channel 16 at La Grande, Oregon. However, with respect to KPOU, interference calculations have been made using the procedures outlined in

the FCC's OET-69 Bulletin.¹ Interference calculations for the proposed KORX-CA operation are summarized below.

Protected NTSC Station	FCC Service Population	Proposed Interference Population
KPOU(TV), Ch. 16, La Grande, OR Authorized CP Operation	43,771	2 (0.0%)

The results of the OET Bulletin No. 69 interference analyses indicate that the proposed KORX-CA operation complies with the FCC's 0.5% "rounding allowance" for such calculations (see paragraph 78 of MM Docket No. 00-10). Thus, it is believed that the proposed KORX-CA operation complies with the FCC's interference standards towards all NTSC stations and allotments. Figure 2 is a printout of the OET-69 interference calculations with respect to KPOU.

DTV Station and DTV Table of Allotments Protection

Calculations based on OET Bulletin No. 69 indicate that the proposed KORX-CA operation on channel 16 will not cause any (0.0%) prohibited interference to any allotted, proposed or actual DTV operating facilities on channels 15, 16 or 17. Interference calculations for the proposed KORX-CA operation are summarized below.

Protected DTV Station	FCC Service Population	Proposed Interference Population
RNDO-DT, Ch. 16, Yakima, WA		
DTV Allotment	196,215	341 (0.17%)
Authorized CP Operation	196,215	878 (0.45%)

As shown above, the proposed operation complies with the FCC's 0.5% "rounding allowance" for such calculations (see paragraph 78 of MM Docket No. 00-10). Thus, it is believed that the proposed KORX-CA operation complies with the FCC's interference standards towards all DTV stations and allotments. Figure 2 is a printout of the OET-69 interference calculations with respect to the facilities tabulated above.

¹The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed. A Sun based processor computer system was employed.

LPTV/TV Translator/Class A Protection

A study has been conducted using the provisions of Section 74.707 which indicates that the KORX-CA proposal will not create prohibited interference to other existing, authorized or proposed LPTV/Class A stations except with respect to a pending application (BNPTT-20000830BSJ) for a new LPTV station on channel 16 at Hood River, Oregon. However, with respect to this application facility, interference calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin. Interference calculations for the proposed KORX-CA operation are summarized below.

Protected LPTV/Class A Station	FCC Service Population	Proposed Interference Population
NEW, Ch. 16, Hood River, OR (BNPTT-20000830BSJ)	No Interference Predicted	

The results of the OET Bulletin No. 69 interference analyses indicate that the proposed operation will not cause any interference to the pending application at Hood River. Thus, it is believed that the proposed KORX-CA operation complies with the FCC's interference standards towards all LPTV and Class A stations. Figure 2 is a printout of the OET-69 interference calculations with respect to the pending LPTV application at Hood River.

Land Mobile Station Protection

The proposed KORX-CA operation does not cause interference to land mobile radio stations (LMRS).

US-Canadian TV Agreement Compliance

The proposed channel 16 operation will be located 335.5 kilometers from the closest point of the US-Canadian common border. Therefore, consideration must be given to the existing US-Canadian TV Agreement (1994) and Letter of Understanding (LOU) between the FCC and Industry Canada related to DTV service along the common border (September 12, 2000). Pursuant to the existing Agreement and LOU, NTSC Low Power TV stations will be referred if the pertinent interfering contour would fall within the territory of the other country. The pertinent interfering contour applicable towards co-channel NTSC stations is the 19 dBu,

F(50,10) contour. The pertinent interfering contour applicable towards co-channel DTV operations is the 31.8 dBu, F(50,10) contour. Figure 3 depicts the locations of both the 19 dBu, F(50,10) and 31.8 dBu, F(50,10) interfering contours based on the proposed NTSC channel 16 facilities. As indicated on Figure 3, neither the 19 dBu, F(50,10) nor the 31.8 dBu, F(50,10) contour overlaps Canadian land area. Therefore, it is not believed necessary to refer the proposal to Canada.

Environmental Protection Act

The proposed KORX-CA facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation."² The calculated power density at the base of the tower was calculated using the appropriate equation on Page 13 of the Bulletin. Based on a relative field factor of 0.1, a visual effective radiated power of 84.8 kilowatts and 10 percent aural power, the calculated power density at 2 meters above ground at the tower base will be 0.0630 mW/cm². This is 19.5% of the recommended limit of 0.32 mW/cm² for channel 16, applicable to general population/uncontrolled exposure areas. If necessary, measurements will be taken to show compliance with the new RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

² See *Report and Order* in ET Docket 93-62, FCC 96-326, adopted August 1, 1996, 11 FCC Rcd 15123 (1997). See also *First Memorandum Opinion and Order*, ET Docket 93-62, FCC 96-487, adopted December 23, 1996, 11 FCC Rcd 17512 (1997), and *Second Memorandum Opinion and Order and Notice of Proposed Rulemaking*, ET Docket 93-62, FCC 97-303, adopted August 25, 1997.

In addition, it appears that the existing tower is otherwise excluded from environmental processing as it complies with all the criteria for such an exclusion in Section 1.1306.

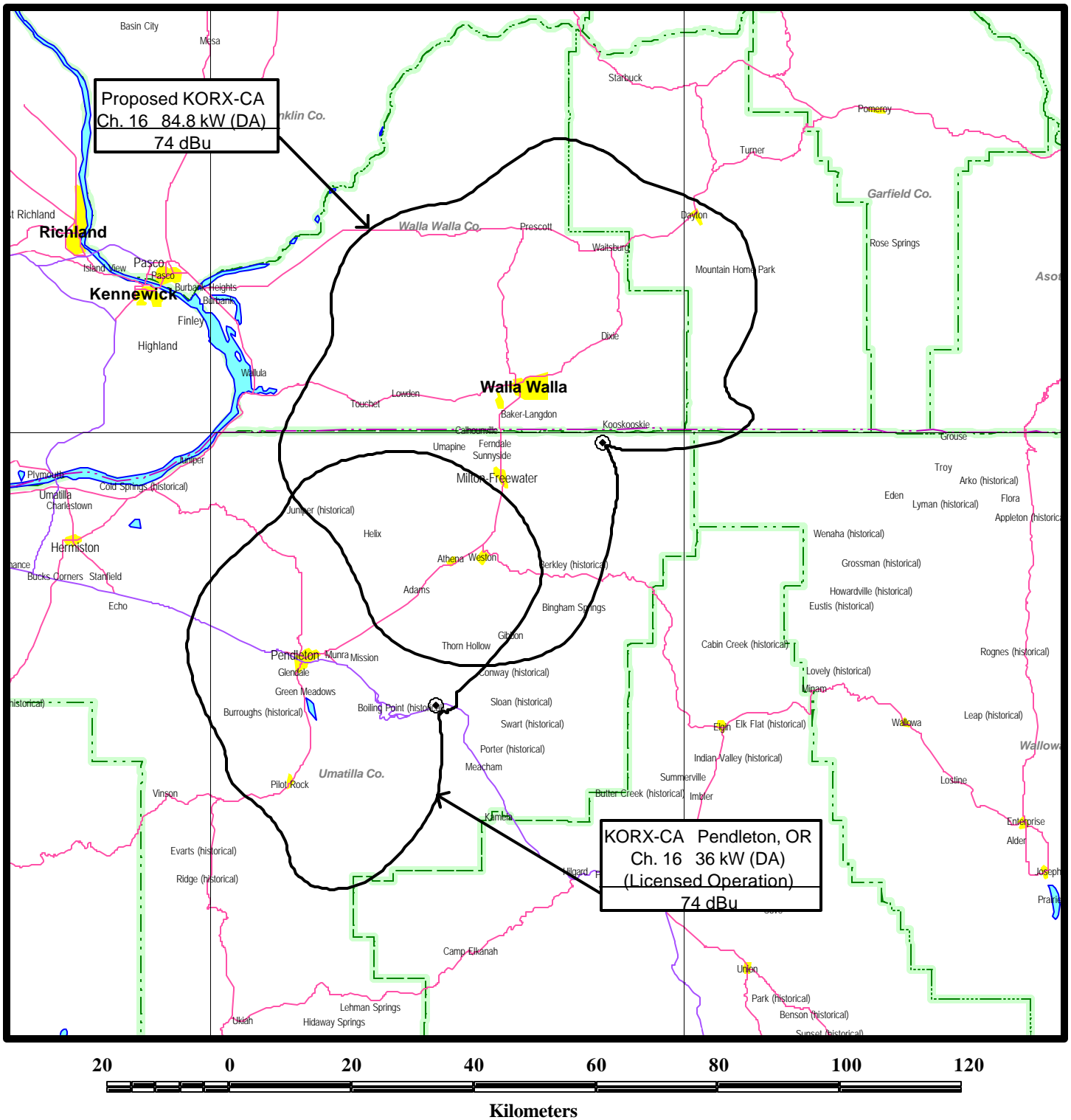


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July 28, 2003

Figure 1



PREDICTED 74 dBu CONTOURS

CLASS A STATION KORX-CA
PENDLETON, OREGON
CH 16 84.8 kW (MAX-DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

Date: 07-15-2003 Time: 15:38:31

Record Selected for Analysis

KORX-CA USERRECORD-01 PENDLETON OR US
 Channel 16 ERP 84.8 kW HAAT 802. m RCAMSL 01191 m
 Latitude 045-59-04 Longitude 0118-10-08
 Status APP Zone 2 Border Offset +
 Dir Antenna Make CDB Model 00000000041178 Beam tilt N Ref Azimuth 280.
 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

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	64.568	616.3	46.9
45.0	67.927	258.8	35.0
90.0	6.648	181.0	18.1
135.0	0.000	33.0	1.0
180.0	16.417	148.3	20.7
225.0	68.100	560.9	46.1
270.0	67.422	802.1	50.9
315.0	53.435	788.4	48.9

Evaluation from Class A Station

Contour overlap to station

KPOU 16 LA GRANDE OR BPCT 19960404LA

Contour overlap to station

951207KH 16 LA GRANDE OR BPCT 19951207KH

Contour overlap to station

KNDO-DT 16 YAKIMA WA DTVPLN DTVP0247

Contour overlap to station

KNDO 16 YAKIMA WA BPCDT 19991027ACH

Contour Overlap Evaluation from Class A Complete

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

NEW 16 HOOD RIVER OR BNPTT 20000830BSJ

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station
KPOU 16 LA GRANDE OR BPCT19960404LA causes

Contour overlap to Class A station

KORX-CA 16 PENDLETON OR USERRECORD01

Station
951207KH 16 LA GRANDE OR BPCT19951207KH causes

Contour overlap to Class A station

KORX-CA 16 PENDLETON OR USERRECORD01

Station
KNDO 16 YAKIMA WA BPCDT19991027ACH causes

Contour overlap to Class A station

KORX-CA 16 PENDLETON OR USERRECORD01

Station
KTNW 31 RICHLAND WA BPET20011003ABI causes

Contour overlap to Class A station

KORX-CA 16 PENDLETON OR USERRECORD01

Station
KTNW 31 RICHLAND WA BLET20000628AET causes

Contour overlap to Class A station

KORX-CA 16 PENDLETON OR USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete
Proposed facility OK to FCC Monitoring Stations

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 335.2km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	City/State	ARN
16	KORX-CA	PENDLETON OR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	NEW	HOOD RIVER OR	265.4	APP	BNPTT	-20000830BSJ
16	KPOU	LA GRANDE OR	82.3	CP	BPCT	-19960404LA
16	951207KH	LA GRANDE OR	82.3	APP	BPCT	-19951207KH
16	KNDO-DT	YAKIMA WA	189.8	PLN	DTVPLN	-DTVP0247
16	KNDO	YAKIMA WA	189.8	CP	BPCDT	-19991027ACH

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	NEW	HOOD RIVER OR	BNPTT	-20000830BSJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KAPP-DT	YAKIMA WA	120.2	PLN	DTVPLN	-DTVP0154
14	KAPP	YAKIMA WA	120.2	CP MOD	BMPCDT	-20000229ABX
16	KMTR	EUGENE OR	212.8	LIC	BLCT	-19821013KF
16	K16CB	HAPPY VALLEY OR	81.9	LIC	BLTTL	-19920805JD
16	KPOU	LA GRANDE OR	303.5	CP	BPCT	-19960404LA
16	KORX-CA	PENDLETON OR	238.1	LIC	BLTTA	-20020722ABB
16	K16EM	PRINEVILLE, ETC. OR	153.8	LIC	BLTT	-20020426AAK
16	NEW	TILLAMOOK OR	179.3	APP	BNPTT	-20000830BSR
16	NEW	WARRENTON OR	188.5	APP	BNPTTL	-20000828AYS
16	KONG-TV	EVERETT WA	217.7	LIC	BLCT	-19970714KF
16	KNDO-DT	YAKIMA WA	120.4	PLN	DTVPLN	-DTVP0247
16	KNDO	YAKIMA WA	120.4	CP	BPCDT	-19991027ACH

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

19	KCKA-DT	CENTRALIA WA	144.9	PLN	DTVPLN	-DTVP0378
20	KBSP-DT	SALEM OR	120.1	PLN	DTVPLN	-DTVP0415
30	KPTV-DT	PORTLAND OR	94.1	PLN	DTVPLN	-DTVP0798
30	960726KN	PORTLAND OR	93.1	APP	BPET	-19960726KN
30	KPTV	PORTLAND OR	94.1	LIC	BLCDDT	-20001102AAP
16	KORX-CA	PENDLETON OR	265.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
16	NEW	LA GRANDE OR	DTVPLN	-NPLN0962

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KMVT-DT	TWIN FALLS ID	390.5	PLN	DTVPLN	-DTVP0215
16	KNDO-DT	YAKIMA WA	254.0	PLN	DTVPLN	-DTVP0247
17	KWSU-DT	PULLMAN WA	177.8	PLN	DTVPLN	-DTVP0286
31	KTNW	RICHLAND WA	140.1	PLN	DTVPLN	-NPLN1417

Results for: 16N OR LA GRANDE	DTVPLN	NPLN0962	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	28075	7821.6	
not affected by terrain losses	26611	6100.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	48.1	
lost to all IX	0	48.1	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	KPOU	LA GRANDE OR	BPCT	-19960404LA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KMVT-DT	TWIN FALLS ID	390.5	PLN	DTVPLN	-DTVP0215
16	KNDO-DT	YAKIMA WA	254.0	PLN	DTVPLN	-DTVP0247
16	KNDO	YAKIMA WA	254.0	CP	BPCDDT	-19991027ACH
17	KWSU-DT	PULLMAN WA	177.8	PLN	DTVPLN	-DTVP0286
31	KTNW	RICHLAND WA	139.7	CP	BPET	-20011003ABI
16	KORX-CA	PENDLETON OR	82.3	APP	USERRECORD-01	

Total scenarios = 2

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

Result key: 1
Scenario 1 Affected station 2
Before Analysis

Results for: 16N OR LA GRANDE BPCT 19960404LA CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	43771	15353.7
not affected by terrain losses	36562	10668.9
lost to NTSC IX	27	16.0
lost to additional IX by ATV	0	32.1
lost to all IX	27	48.1

Potential Interfering Stations Included in above Scenario 1

31N WA RICHLAND	BPET	20011003ABI	CP
16A WA YAKIMA	DTVPLN	DTVP0247	PLN

After Analysis

Results for: 16N OR LA GRANDE BPCT 19960404LA CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	43771	15353.7
not affected by terrain losses	36562	10668.9
lost to NTSC IX	29	208.6
lost to additional IX by ATV	0	12.0
lost to all IX	29	220.6

Potential Interfering Stations Included in above Scenario 1

31N WA RICHLAND	BPET	20011003ABI	CP
16A WA YAKIMA	DTVPLN	DTVP0247	PLN
16N OR PENDLETON	USERRECORD01		APP

Result key: 2
Scenario 2 Affected station 2
Before Analysis

Results for: 16N OR LA GRANDE BPCT 19960404LA CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	43771	15353.7
not affected by terrain losses	36562	10668.9
lost to NTSC IX	27	16.0
lost to additional IX by ATV	0	200.5
lost to all IX	27	216.6

Potential Interfering Stations Included in above Scenario 2

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

31N WA RICHLAND	BPET	20011003ABI	CP
16A WA YAKIMA	BPCDT	19991027ACH	CP

After Analysis

Results for: 16N OR LA GRANDE	BPCT	19960404LA	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	43771	15353.7	
not affected by terrain losses	36562	10668.9	
lost to NTSC IX	29	208.6	
lost to additional IX by ATV	0	132.4	

lost to all IX	29	340.9
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Potential Interfering Stations Included in above Scenario 2

31N WA RICHLAND	BPET	20011003ABI	CP
16A WA YAKIMA	BPCDT	19991027ACH	CP
16N OR PENDLETON	USERRECORD01		APP

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
16	951207KH	LA GRANDE OR	BPCT -19951207KH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	KMVT-DT	TWIN FALLS ID	390.5	PLN	DTVPLN -DTVP0215
16	KNDO-DT	YAKIMA WA	254.0	PLN	DTVPLN -DTVP0247
16	KNDO	YAKIMA WA	254.0	CP	BPCDT -19991027ACH
17	KWSU-DT	PULLMAN WA	177.8	PLN	DTVPLN -DTVP0286
31	KTNW	RICHLAND WA	139.7	CP	BPET -20011003ABI
16	KORX-CA	PENDLETON OR	82.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

Channel	Call	City/State	Application	Ref. No.
16	KNDO-DT	YAKIMA WA	DTVPLN	-DTVP0247

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KCKA	CENTRALIA WA	195.0	PLN	DTVPLN	-NPLN0941
16	KMTR	EUGENE OR	331.8	PLN	DTVPLN	-NPLN0961
16	NEW	LA GRANDE OR	254.0	PLN	DTVPLN	-NPLN0962
16	KONGTV	EVERETT WA	185.4	PLN	DTVPLN	-NPLN0974

Results for: 16A WA YAKIMA	DTVPLN	DTVP0247	PLN
HAAT 293.0 m, ATV ERP 50.0 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	218342	12816.3
not affected by terrain losses	196398	9853.7
lost to NTSC IX	183	148.3

lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	183	148.3

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
23	KNDO	YAKIMA WA	DTVPLN	-NPLN1196

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KONGTV	EVERETT WA	185.4	PLN	DTVPLN	-NPLN0974
16	KNDO-DT	YAKIMA WA	0.0	PLN	DTVPLN	-DTVP0247
21	KYVE-DT	YAKIMA WA	0.2	PLN	DTVPLN	-DTVP0462
22	KTZZTV	SEATTLE WA	181.8	PLN	DTVPLN	-NPLN1161
24	KNMT	PORTLAND OR	205.6	PLN	DTVPLN	-NPLN1221
25	KNDU	RICHLAND WA	116.0	PLN	DTVPLN	-NPLN1260
26	KNDU-DT	RICHLAND WA	116.0	PLN	DTVPLN	-DTVP0658
27	KCWT	WENATCHEE WA	90.4	PLN	DTVPLN	-NPLN1322
31	KTNW	RICHLAND WA	115.8	PLN	DTVPLN	-NPLN1417
38	KTNW-DT	RICHLAND WA	115.8	PLN	DTVPLN	-DTVP1075

Results for: 23N WA YAKIMA	DTVPLN	NPLN1196	PLN
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	POPULATION	AREA (sq km)
within Noise Limited Contour	218342	12816.3
not affected by terrain losses	195254	8522.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	KNDO-DT	YAKIMA WA	DTVPLN	-DTVP0247

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KCKA	CENTRALIA WA	195.0	LIC	BLET	-19821004KG
16	KMTR	EUGENE OR	331.8	LIC	BLCT	-19821013KF
16	KPOU	LA GRANDE OR	254.0	CP	BPCT	-19960404LA
16	KONG-TV	EVERETT WA	185.4	LIC	BLCT	-19970714KF
16	KORX-CA	PENDLETON OR	189.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 4
Before Analysis

Results for: 16A WA YAKIMA DTVPLN DTVP0247 PLN
HAAT 293.0 m, ATV ERP 50.0 kW

POPULATION	AREA (sq km)
within Noise Limited Contour	218342 12816.3
not affected by terrain losses	196398 9853.7
lost to NTSC IX	216 208.5
lost to additional IX by ATV	0 0.0
lost to ATV IX only	0 0.0
lost to all IX	216 208.5

Potential Interfering Stations Included in above Scenario 1

16N OR LA GRANDE	BPCT	19960404LA	CP
16N WA EVERETT	BLCT	19970714KF	LIC

After Analysis

Results for: 16A WA YAKIMA DTVPLN DTVP0247 PLN
HAAT 293.0 m, ATV ERP 50.0 kW

POPULATION	AREA (sq km)
within Noise Limited Contour	218342 12816.3
not affected by terrain losses	196398 9853.7
lost to NTSC IX	557 781.7
lost to additional IX by ATV	0 0.0
lost to ATV IX only	0 0.0
lost to all IX	557 781.7

Potential Interfering Stations Included in above Scenario 1

16N OR LA GRANDE	BPCT	19960404LA	CP
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OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

16N WA EVERETT BLCT 19970714KF LIC
16N OR PENDLETON USERRECORD01 APP

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	KNDO	YAKIMA WA	BPCDT	-19991027ACH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KCKA	CENTRALIA WA	195.0	LIC	BLET	-19821004KG
16	KMTR	EUGENE OR	331.8	LIC	BLCT	-19821013KF
16	KPOU	LA GRANDE OR	254.0	CP	BPCT	-19960404LA
16	KONG-TV	EVERETT WA	185.4	LIC	BLCT	-19970714KF
16	KORX-CA	PENDLETON OR	189.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 4

Scenario 1 Affected station 5

Before Analysis

Results for: 16A WA YAKIMA BPCDT 19991027ACH CP

HAAT 266.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	235391	21371.1
not affected by terrain losses	207619	14998.7
lost to NTSC IX	1462	713.8
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	1462	713.8

Potential Interfering Stations Included in above Scenario 1

16N OR EUGENE	BLCT	19821013KF	LIC
16N OR LA GRANDE	BPCT	19960404LA	CP
16N WA EVERETT	BLCT	19970714KF	LIC

After Analysis

Results for: 16A WA YAKIMA BPCDT 19991027ACH CP

HAAT 266.0 m, ATV ERP 200.0 kW

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

	POPULATION	AREA (sq km)
within Noise Limited Contour	235391	21371.1
not affected by terrain losses	207619	14998.7
lost to NTSC IX	2340	1600.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	2340	1600.1

Potential Interfering Stations Included in above Scenario 1

16N OR EUGENE	BLCT	19821013KF	LIC
16N OR LA GRANDE	BPCT	19960404LA	CP
16N WA EVERETT	BLCT	19970714KF	LIC
16N OR PENDLETON	USERRECORD01		APP

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
16	KORX-CA	PENDLETON OR	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	KPOU	LA GRANDE OR	82.3	CP	BPCT -19960404LA
16	KONG-TV	EVERETT WA	366.9	LIC	BLCT -19970714KF
16	KNDO-DT	YAKIMA WA	189.8	PLN	DTVPLN -DTVP0247
16	KNDO	YAKIMA WA	189.8	CP	BPCDT -19991027ACH
17	KWSU-DT	PULLMAN WA	123.8	PLN	DTVPLN -DTVP0286
18	KEPR-DT	PASCO WA	79.9	PLN	DTVPLN -DTVP0333
19	KEPR-TV	PASCO WA	79.9	LIC	BLCT -2582
31	KTNW	RICHLAND WA	75.1	CP	BPET -20011003ABI

Total scenarios = 1

Result key: 5
Scenario 1 Affected station 6
Before Analysis

Results for: 16N OR PENDLETON	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	61654	4935.7
not affected by terrain losses	60787	4411.8

OET-69 LPTV/CLASS A/NTSC/DTV INTERFERENCE CAUSED STUDY

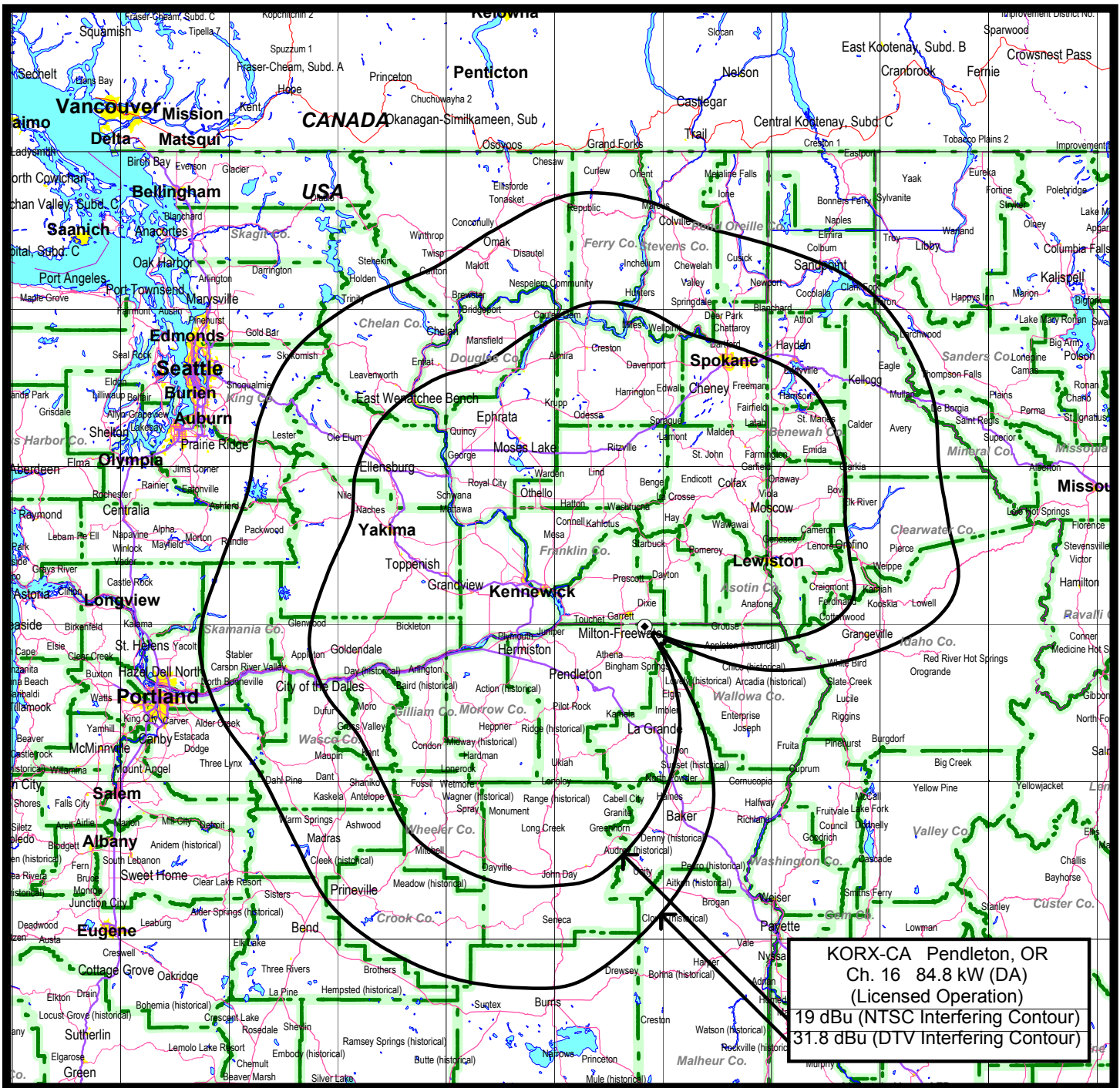
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24	64.0
lost to all IX	24	64.0

Potential Interfering Stations Included in above Scenario 1

16A WA YAKIMA BPCDT 19991027ACH CP

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

Figure 3



CANADIAN NTSC/DTV ALLOCATION STUDY

CLASS A STATION KORX-CA
PENDLETON, OREGON
CH 16 84.8 kW (MAX-DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida