

TECHNICAL EXHIBIT
DTV MAXIMIZATION APPLICATION
STATION KRCW-DT
SALEM, OREGON
CH 33 1000 KW 523 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station KRCW-DT for its "maximized" DTV operation at Salem, Oregon. This application requests a construction permit (CP) for KRCW-DT digital television operation on channel 33 at Salem with a non-directional effective radiated power of 1000 kilowatts.

Proposed Facilities

Station KRCW-DT proposes to operate DTV channel 33 from its licensed DTV site. The antenna height above average terrain for the channel 33 DTV operation will be 523 meters. The proposed KRCW-DT effective radiated power exceeds the Commission's *Appendix B* allocated maximum effective radiated power in some azimuthal directions for KRCW-DT.¹ Therefore, an allocation study was completed to ensure no prohibited interference would occur.

¹ See Seventh Report And Order And Eighth Further Notice Of Proposed Rule Making in the Matter of Advanced Television Systems and their Impact Upon the Existing Television Broadcast Service, MB Docket 87-268, Released August 6, 2007; Adopted August 1, 2007.

The proposed DTV transmitter site will be located at the licensed KRCW-DT tower. Therefore, the proposed site location is:

45° 30' 58" North Latitude
122° 43' 58" West Longitude

A sketch of antenna and pertinent elevations are included as Figure 1.

The Appendix contains the plane radiation pattern for the proposed antenna system.

Figure 2 is a map showing the proposed DTV predicted coverage contour and the associated DTV appendix B Noise-Limited coverage contour. The extent of the contours have been calculated using the normal FCC prediction method. The Salem city limits were derived from information contained in the 2000 U.S. Census of Population and Housing.

Population Served

The herein proposed KRCW-DT "maximized" facility is predicted to serve 2,501,546 persons, post-transition based upon the 2000 Census. KRCW-DT's associated Appendix B facility is predicted to serve 2,482,000 persons. Therefore, the herein proposed KRCW-DT facility would serve over 100% of KRCW-DT's Appendix B population. The OET-69 studies were conducted using a cell size of 2.0 km/side and distance increments for Longley-Rice analysis of 0.5 km.

Allocation Considerations

The proposed KRCW-DT Channel 33 facility meets the requirements of Section 73.623 of the FCC Rules concerning predicted interference to other Appendix B DTV allotments. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules; OET Bulletin No. 69; and published FCC guidelines for preparation of such interference analyses. The Longley-Rice interference analyses were conducted using the software developed by du Treil, Lundin & Rackley, Inc. based on the FCC published software routines.² Stations selected for analysis were determined pursuant to the distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The results of the interference analyses for the proposed KRCW-DT facility are summarized herein at Figure 3. As indicated therein, the proposed facility will meet the 0.5% criterion outlined in the FCC Rules and published guidelines with respect to all considered stations.³

Radiofrequency Electromagnetic Field Exposure

The proposed KRCW-DT facilities were evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level to workers and the general public. The radiation center for the proposed KRCW-DT antenna is located 291 meters above ground level. The maximum effective radiated power is 1000 kilowatts. A "worst case"

² The duTreil, 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.

downward relative field value of 0.2 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.016 mW/cm^2 . This is less than 5 percent of the Commission's recommended limit of 0.39 mW/cm^2 for channel 33 for an "uncontrolled" environment.

Access to the transmitting site is restricted and appropriately marked with warning signs. As this is a multi-user site an agreement between the stations will control access. In the event that workers or other authorized personnel enter restricted areas or climb the tower, 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. The proposed KRCW-DT operation appears to be otherwise categorically excluded from environmental processing.

3 Interference analysis results reflect the net change in interference to a given station considering the interference predicted to occur from all other stations (i.e. "masking") including the allotment facility for KRCW-DT. This properly reflects the net interference change for determining compliance with the FCC 0.5% *de minimis* standard.

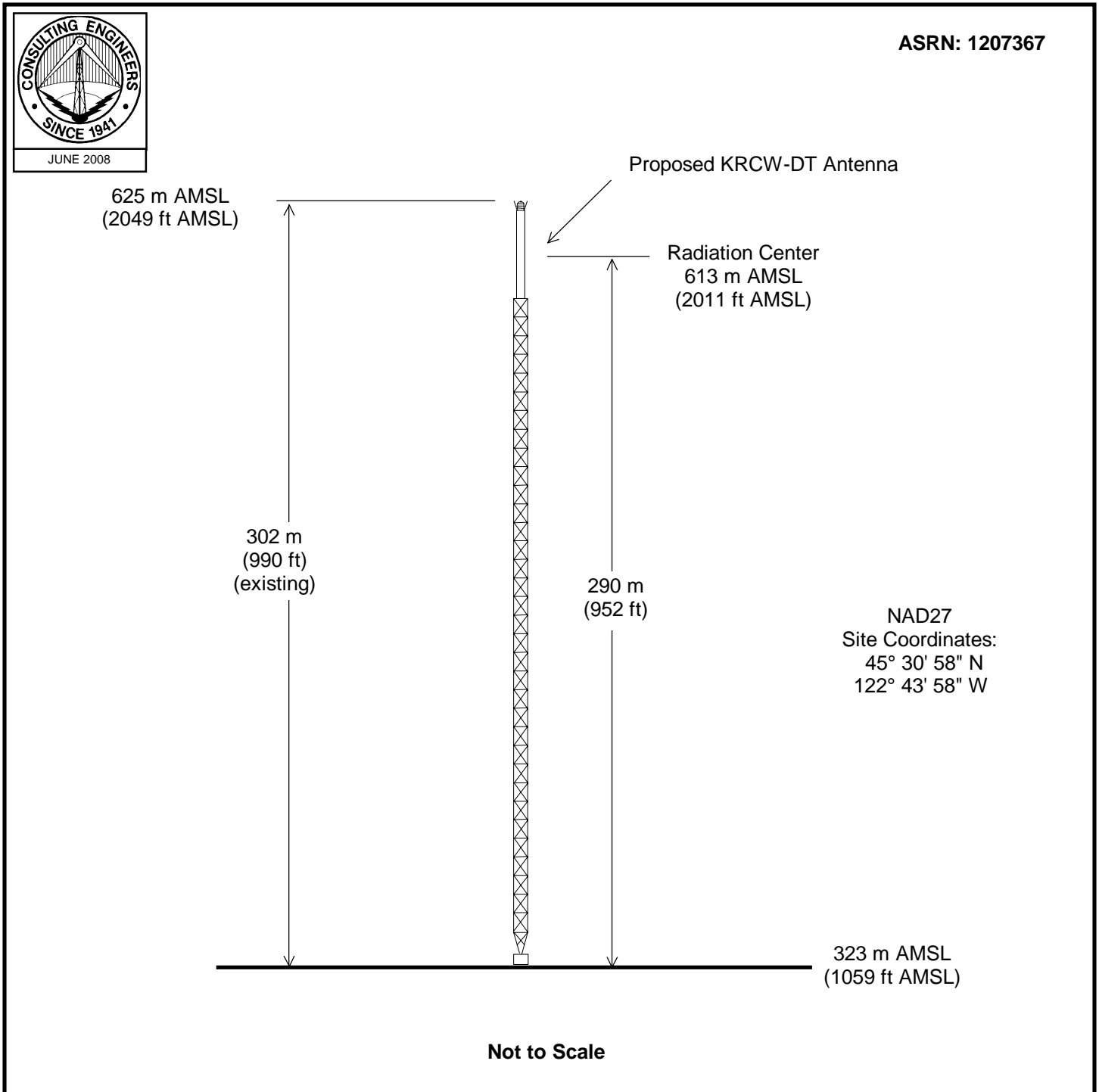
It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner.

Charles Cooper

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 52337
941.329.6000

June 16, 2008

Figure 1



ANTENNA AND SUPPORTING STRUCTURE

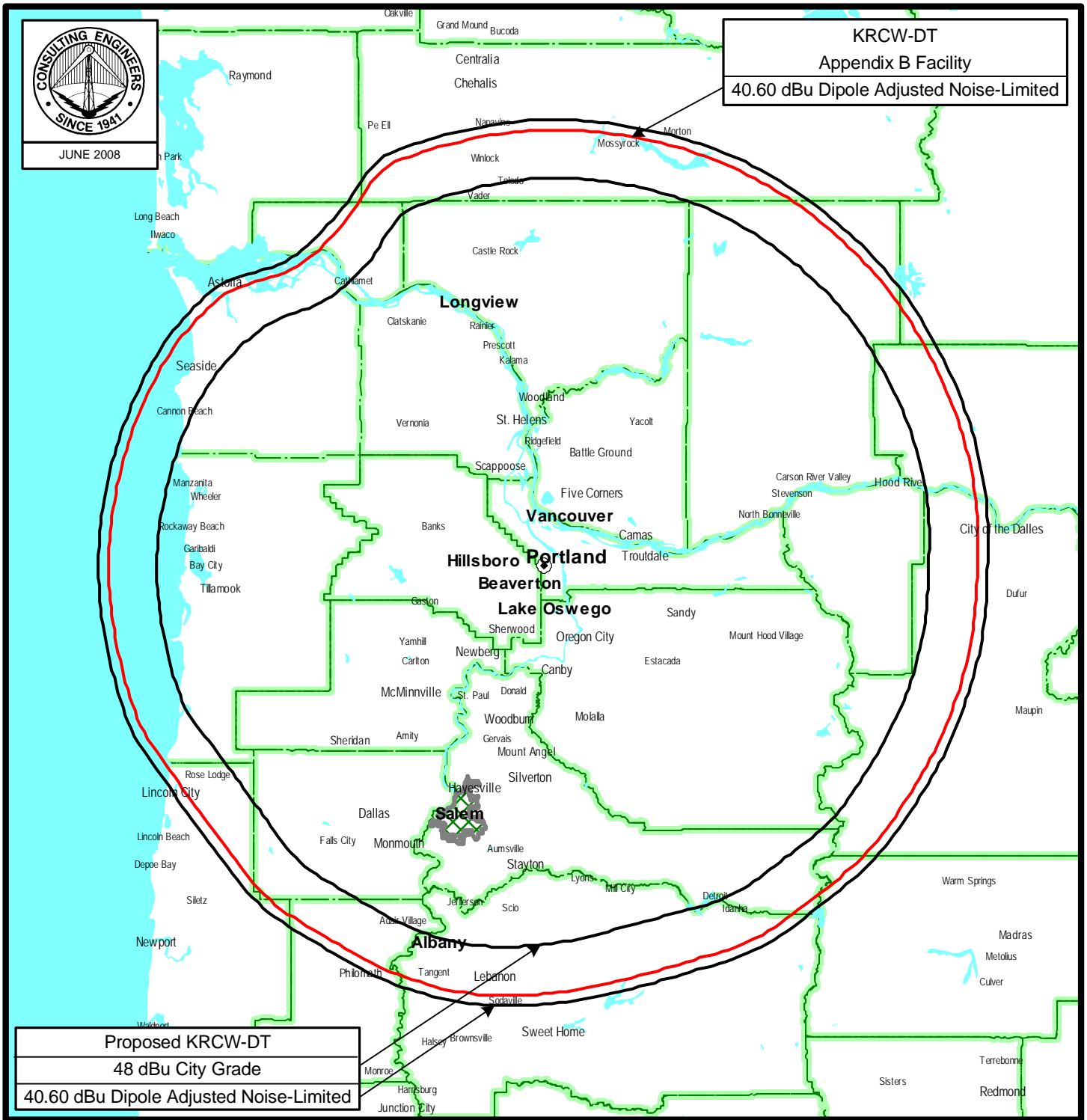
DTV STATION KRCW-DT

SALEM, OREGON

CH 33 1000 KW 523 M

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

Figure 2



PREDICTED COVERAGE CONTOURS

DTV STATION KRCW-DT

SALEM, OREGON

CH 33 1000 KW 523 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 3

Post Transition Data Base Selected /export/home/cdbb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-16-2008 Time: 17:00:50

Record Selected for Analysis

KRCW_MAX USERRECORD-01 SALEM OR US
Channel 33 ERP 1000. kW HAAT 523. m RCAMSL 00613 m
Latitude 045-30-58 Longitude 0122-43-58
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 33 ERP = 1000.00 HAAT = 523.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	1000.000	546.3	117.5
45.0	1000.000	563.9	118.5
90.0	1000.000	532.5	116.7
135.0	1000.000	522.6	116.0
180.0	1000.000	513.8	115.4
225.0	1000.000	527.4	116.3
270.0	1000.000	545.9	117.5
315.0	1000.000	430.8	109.0

Evaluation toward Class A Stations

Station inside contour of Class A station
KORK-CA 35 PORTLAND OR BLTTA 20070831ACZ

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KRCW_MAX 33 SALEM OR USERRECORD01

Figure 3

and station

SHORT TO: KRCW-TV 32 SALEM OR BLCT 19990816KE
045-00-35 0122-20-17
Req. separation => 12.0 <= 106.0 Actual separation 64.2 Short 41.8(52.2) km

SHORT TO: KRCW-TV 33 SALEM OR BMLCDT 20070123ABS
045-30-58 0122-43-58
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

SHORT TO: KRCW-TV 33 SALEM OR DTVPLN DTVP1227
45 -30-58 122 -43-58
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

SHORT TO: KWPX 33 BELLEVUE WA BPCT 20050428AAJ
047-30-17 0121-58- 3
Req. separation 244.6 Actual separation 228.7 Short 15.9 km

SHORT TO: KWPX 33 BELLEVUE WA BLCT 19990312KE
047-30-17 0121-58- 6
Req. separation 244.6 Actual separation 228.7 Short 15.9 km

SHORT TO: KIMA-TV 33 YAKIMA WA BMPCDT 20071113AEK
046-31-58 0120-30-33
Req. separation 223.7 Actual separation 205.9 Short 17.8 km

SHORT TO: KIMA-TV 33 YAKIMA WA DTVPLN DTVP1235
46 -31-58 120 -30-33
Req. separation 223.7 Actual separation 205.9 Short 17.8 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

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 = 306.8km

Proposed facility is beyond the Mexican coordination distance

Proposed station is 0.08km from AM station
PORTLAND OR KUPL Status: L Antenna: DAN

Figure 3

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
33	KRCW_MAX	SALEM OR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KFTS	KLAMATH FALLS OR	390.1	LIC	BLEDT	-20060202AHF
33	KFTS	KLAMATH FALLS OR	390.1	PLN	DTVPLN	-DTVP1226
33	KWPX	BELLEVUE WA	228.7	PLN	DTVPLN	-DTVP1234
33	KWPX	BELLEVUE WA	228.6	APP	BPCDT	-20080317AHW
33	K33EJ	WALLA WALLA WA	357.7	LIC	BLTTL	-19980428JG
33	KIMA-TV	YAKIMA WA	205.5	CP MOD	BMPCDT	-20071113AEK
33	KIMA-TV	YAKIMA WA	205.5	PLN	DTVPLN	-DTVP1235
35	KORK-CA	PORTLAND OR	1.2	LIC	BLTTA	-20070831ACZ
36	KORS-CA	SALEM OR	67.4	LIC	BLTTA	-20020722ABK

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KFTS	KLAMATH FALLS OR	BLEDT	-20060202AHF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KRCW-TV	SALEM OR	390.1	PLN	DTVPLN	-DTVP1227
33	KRCW_MAX	SALEM OR	390.1	APP	USERRECORD-01	

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.
33	KFTS	KLAMATH FALLS OR	DTVPLN	-DTVP1226

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KRCW-TV	SALEM OR	390.1	PLN	DTVPLN	-DTVP1227
33	KRCW_MAX	SALEM OR	390.1	APP	USERRECORD-01	

Proposal causes no interference

Figure 3

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KWPX	BELLEVUE WA	DTVPLN	-DTVP1234

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KRCW-TV	SALEM OR	228.7	PLN	DTVPLN	-DTVP1227
33	KIMA-TV	YAKIMA WA	154.5	CP MOD	BMPCDT	-20071113AEK
33	KIMA-TV	YAKIMA WA	154.5	PLN	DTVPLN	-DTVP1235
33	KRCW_MAX	SALEM OR	228.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 33A WA BELLEVUE DTVPLN DTVP1234 PLN
HAAT 716.0 m, ATV ERP 178.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3624089	30828.3
not affected by terrain losses	3580635	26672.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1498	76.3
lost to ATV IX only	1498	76.3
lost to all IX	1498	76.3

Potential Interfering Stations Included in above Scenario 1

33A OR SALEM	DTVPLN	DTVP1227	PLN
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After Analysis

Results for: 33A WA BELLEVUE DTVPLN DTVP1234 PLN
HAAT 716.0 m, ATV ERP 178.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3624089	30828.3
not affected by terrain losses	3580635	26672.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2184	92.4
lost to ATV IX only	2184	92.4
lost to all IX	2184	92.4

Potential Interfering Stations Included in above Scenario 1

33A OR SALEM	USERRECORD01	APP
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Percent new IX = 0.0192%

Figure 3

Worst case new IX 0.0192% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KWPX	BELLEVUE WA	BPCDT	-20080317AHW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KRCW-TV	SALEM OR	228.6	PLN	DTVPLN	-DTVP1227
33	KIMA-TV	YAKIMA WA	154.6	CP MOD	BMPCDT	-20071113AEK
33	KIMA-TV	YAKIMA WA	154.6	PLN	DTVPLN	-DTVP1235
33	KRCW_MAX	SALEM OR	228.6	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2
 Scenario 1 Affected station 4
 Before Analysis

Results for: 33A WA BELLEVUE BPCDT 20080317AHW APP

HAAT 716.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3644607	31424.8
not affected by terrain losses	3593696	27007.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2947	100.4
lost to ATV IX only	2947	100.4
lost to all IX	2947	100.4

Potential Interfering Stations Included in above Scenario 1

33A OR SALEM	DTVPLN	DTVP1227	PLN
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After Analysis

Results for: 33A WA BELLEVUE BPCDT 20080317AHW APP

HAAT 716.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3644607	31424.8
not affected by terrain losses	3593696	27007.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3765	116.5
lost to ATV IX only	3765	116.5
lost to all IX	3765	116.5

Potential Interfering Stations Included in above Scenario 1

33A OR SALEM	USERRECORD01	APP
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Figure 3

Percent new IX = 0.0228%

Worst case new IX 0.0228% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	K33EJ	WALLA WALLA WA	BLTTL	-19980428JG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KNDU	RICHLAND WA	75.3	CP	BPCDT	-19991027ACK
26	KNDU	RICHLAND WA	75.3	PLN	DTVPLN	-DTVP0983
29	KUNP	LA GRANDE OR	82.3	PLN	DTVPLN	-DTVP1090
32	KLEW-TV	LEWISTON ID	97.6	CP	BPCDT	-19991021ACJ
32	KLEW-TV	LEWISTON ID	97.6	PLN	DTVPLN	-DTVP1179
33	KBSE-LP	BOISE, ETC. ID	296.4	LIC	BLTTL	-20060117AEP
33	K33FS	ELGIN OR	82.3	LIC	BLTT	-20011212AAB
33	KRCW-TV	SALEM OR	357.7	LIC	BMLCDT	-20070123ABS
33	KRCW-TV	SALEM OR	357.7	PLN	DTVPLN	-DTVP1227
33	K33CJ	WASCO/HEPPNER OR	186.0	LIC	BLTTL	-19980903JE
33	KWPX	BELLEVUE WA	335.0	CP	BPCT	-20050428AAJ
33	KWPX	BELLEVUE WA	335.0	PLN	DTVPLN	-DTVP1234
33	KWPX	BELLEVUE WA	335.1	APP	BPCDT	-20080317AHW
33	K33EH	QUINCY WA	193.7	LIC	BLTT	-19951215JA
33	KIMA-TV	YAKIMA WA	189.9	CP MOD	BMPCDT	-20071113AEK
33	KIMA-TV	YAKIMA WA	189.9	PLN	DTVPLN	-DTVP1235
33	KRCW_MAX	SALEM OR	357.7	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KIMA-TV	YAKIMA WA	BMPCDT	-20071113AEK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KRCW-TV	SALEM OR	205.5	PLN	DTVPLN	-DTVP1227
33	KWPX	BELLEVUE WA	154.5	PLN	DTVPLN	-DTVP1234
33	KWPX	BELLEVUE WA	154.6	APP	BPCDT	-20080317AHW
33	KRCW_MAX	SALEM OR	205.5	APP	USERRECORD-01	

Proposal causes no interference

Figure 3

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KIMA-TV	YAKIMA WA	DTVPLN	-DTVP1235

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KRCW-TV	SALEM OR	205.5	PLN	DTVPLN	-DTVP1227
33	KWPX	BELLEVUE WA	154.5	PLN	DTVPLN	-DTVP1234
33	KWPX	BELLEVUE WA	154.6	APP	BPCDT	-20080317AHW
33	KRCW_MAX	SALEM OR	205.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 7
Before Analysis

Results for: 33A WA YAKIMA DTVPLN DTVP1235 PLN
HAAT 296.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	269404	17341.0
not affected by terrain losses	235102	11038.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61	88.2
lost to ATV IX only	61	88.2
lost to all IX	61	88.2

Potential Interfering Stations Included in above Scenario 1

33A WA BELLEVUE	DTVPLN	DTVP1234	PLN
33A OR SALEM	DTVPLN	DTVP1227	PLN

After Analysis

Results for: 33A WA YAKIMA DTVPLN DTVP1235 PLN
HAAT 296.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	269404	17341.0
not affected by terrain losses	235102	11038.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61	104.2
lost to ATV IX only	61	104.2
lost to all IX	61	104.2

Potential Interfering Stations Included in above Scenario 1

33A WA BELLEVUE	DTVPLN	DTVP1234	PLN
33A OR SALEM	USERRECORD01		APP

Figure 3

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.
35	KORK-CA	PORTLAND OR	BLTTA	-20070831ACZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KRCW-TV	SALEM OR	65.3	LIC	BLCT	-19990816KE
33	KRCW-TV	SALEM OR	1.2	LIC	BMLCDT	-20070123ABS
33	KRCW-TV	SALEM OR	1.2	PLN	DTVPLN	-DTVP1227
35	K35HU	GRAYS RIVER, ETC. OR	121.4	LIC	BLTT	-20061018ABS
35	K35CR	TILLAMOOK-LINCOLN CI OR	85.8	LIC	BLTTTL	-19940829IB
35	KVOS-TV	BELLINGHAM WA	351.1	CP MOD	BMPCDT	-20060106AAF
35	KVOS-TV	BELLINGHAM WA	350.8	PLN	DTVPLN	-DTVP1310
35	KAPP	YAKIMA WA	205.8	LIC	BLCT	-2022
36	KORS-CA	SALEM OR	67.6	LIC	BLTTA	-20020722ABK
43	KATU	PORTLAND OR	1.2	LIC	BLCDDT	-20050407KXN
43	KATU	PORTLAND OR	1.2	PLN	DTVPLN	-DTVP1551
49	KPDX	VANCOUVER WA	0.5	LIC	BLCT	-19990909AAD
50	K50GG	SALEM OR	67.3	LIC	BLTTTL	-20020916ABF
33	KRCW_MAX	SALEM OR	1.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 4
Scenario 1 Affected station 8
Before Analysis

Results for: 35N OR PORTLAND	BLTTA	20070831ACZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1890345	7244.8	
not affected by terrain losses	1823181	6166.5	
lost to NTSC IX	22192	99.8	
lost to additional IX by ATV	421	20.0	
lost to all IX	22613	119.8	

Potential Interfering Stations Included in above Scenario 1

32N OR SALEM	BLCT	19990816KE	LIC
36N OR SALEM	BLTTA	20020722ABK	LIC
49N WA VANCOUVER	BLCT	19990909AAD	LIC
33A OR SALEM	DTVPLN	DTVP1227	PLN

After Analysis

Results for: 35N OR PORTLAND	BLTTA	20070831ACZ	LIC
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Figure 3

	POPULATION	AREA (sq km)
within Noise Limited Contour	1890345	7244.8
not affected by terrain losses	1823181	6166.5
lost to NTSC IX	22192	99.8
lost to additional IX by ATV	421	20.0
lost to all IX	22613	119.8

Potential Interfering Stations Included in above Scenario 1

32N OR SALEM	BLCT	19990816KE	LIC
36N OR SALEM	BLTTA	20020722ABK	LIC
49N WA VANCOUVER	BLCT	19990909AAD	LIC
33A OR SALEM	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 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	KORS-CA	SALEM OR	BLTTA	-20020722ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	KEPB-TV	EUGENE OR	109.1	LIC	BLEDT	-20050127AHY
29	KEPB-TV	EUGENE OR	109.1	PLN	DTVPLN	-DTVP1088
33	KRCW-TV	SALEM OR	67.4	LIC	BMLCDT	-20070123ABS
33	KRCW-TV	SALEM OR	67.4	PLN	DTVPLN	-DTVP1227
34	KLSR-TV	EUGENE OR	109.2	LIC	BLCT	-19910920KH
35	KORK-CA	PORTLAND OR	67.6	LIC	BLTTA	-20070831ACZ
35	K35CR	TILLAMOOK-LINCOLN CI OR	54.2	LIC	BLTTL	-19940829IB
36	K36BX	COOS BAY OR	193.6	LIC	BLTT	-19890512IG
36	KXOR-LP	EUGENE OR	109.0	LIC	BLTTL	-20020806AAT
36	K36FG	HOOD RIVER, ETC. OR	148.5	CP	BPTT	-20070911ACB
36	K66AZ	PRINEVILLE OR	183.3	CP	BDISTTL	-20060329AGX
36	K36GU	ROCKAWAY & VICINITY OR	104.9	LIC	BLTT	-20030610AAE
36	KTVG	ROSEBURG OR	194.7	LIC	BLCT	-19940726KG
36	K36DG	LONGVIEW WA	132.3	LIC	BLTT	-19931202IF
40	KOIN	PORTLAND OR	67.4	LIC	BLCDT	-20050613ABB
40	KOIN	PORTLAND OR	67.4	PLN	DTVPLN	-DTVP1451
40	960920WH	PORTLAND OR	70.2	APP	BPCT	-19960920WH
40	960724LF	PORTLAND OR	67.4	APP	BPCT	-19960724LF
43	KATU	PORTLAND OR	67.4	LIC	BLCDT	-20050407KXN
43	KATU	PORTLAND OR	67.4	PLN	DTVPLN	-DTVP1551
51	KOXO-CA	NEWBERG OR	67.6	LIC	BLTTA	-20070831ADA
33	KRCW_MAX	SALEM OR	67.4	APP	USERRECORD-01	

Proposal causes no interference

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Figure 3

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	KRCW_MAX	SALEM OR	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	KFTS	KLAMATH FALLS OR	390.1	LIC	BLEDT -20060202AHF
33	KFTS	KLAMATH FALLS OR	390.1	PLN	DTVPLN -DTVP1226
33	KWPX	BELLEVUE WA	228.7	PLN	DTVPLN -DTVP1234
33	KWPX	BELLEVUE WA	228.6	APP	BPCDT -20080317AHW
33	KIMA-TV	YAKIMA WA	205.5	CP MOD	BMPCDT -20071113AEK
33	KIMA-TV	YAKIMA WA	205.5	PLN	DTVPLN -DTVP1235

Total scenarios = 2

Result key: 5
Scenario 1 Affected station 10
Before Analysis

Results for: 33A OR SALEM USERRECORD01 APP

HAAT 523.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2617359	42912.9
not affected by terrain losses	2498631	31255.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2044	199.7
lost to ATV IX only	2044	199.7
lost to all IX	2044	199.7

Potential Interfering Stations Included in above Scenario 1

33A WA BELLEVUE	DTVPLN	DTVP1234	PLN
33A WA YAKIMA	DTVPLN	DTVP1235	PLN

Result key: 6
Scenario 2 Affected station 10
Before Analysis

Results for: 33A OR SALEM USERRECORD01 APP

HAAT 523.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2617359	42912.9
not affected by terrain losses	2498631	31255.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2244	199.7
lost to ATV IX only	2244	199.7
lost to all IX	2244	199.7

Potential Interfering Stations Included in above Scenario 2

33A WA BELLEVUE	BPCDT	20080317AHW	APP
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Figure 3

33A WA YAKIMA

DTVPLN

DTVP1235

PLN

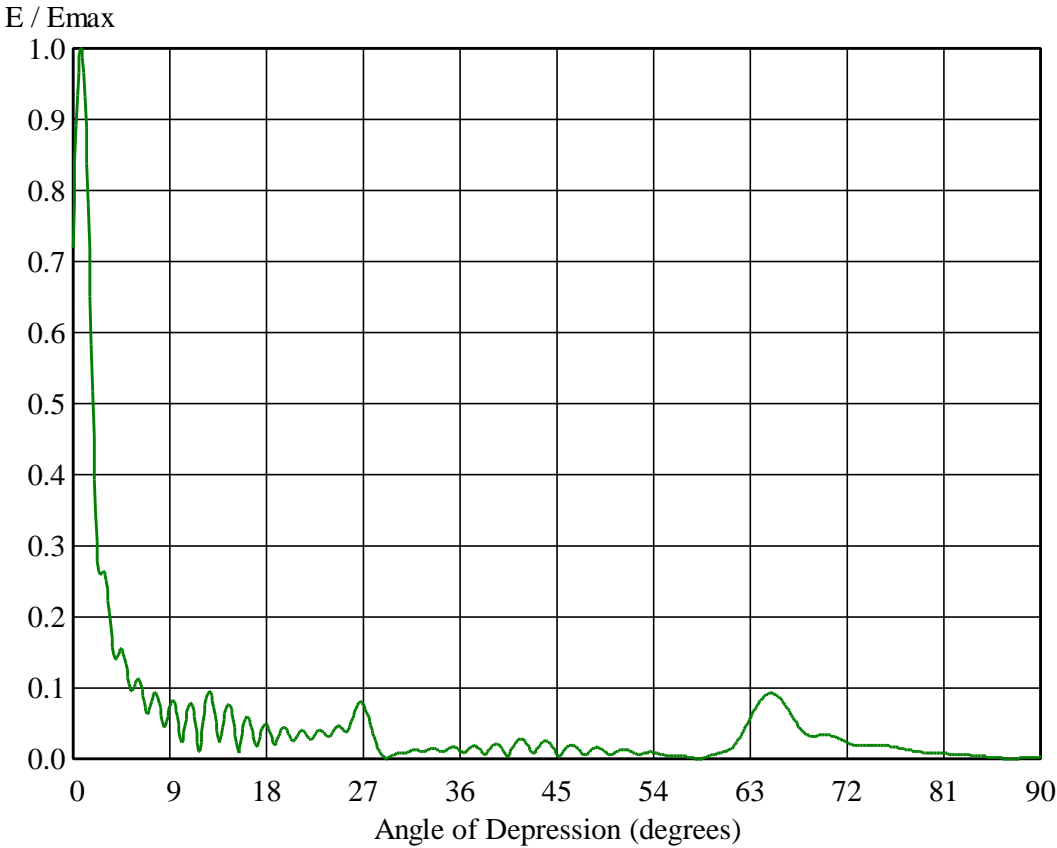
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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

APPENDIX

TRANSMITTING ANTENNA
VERTICAL PLANE PATTERN

Exhibit #1



PHP80 Portland Oregon. CH33 Elevation Radiation Pattern

Vertical Gain = 15.45 dBd