

TECHNICAL EXHIBIT
LONG-FORM APPLICATION FOR PAIRED
DIGITAL CHANNEL CONSTRUCTION PERMIT
TV TRANSLATOR STATION K66AZ
PRINEVILLE, OREGON
CH 22 0.25 KW (MAX-DA)

Technical Exhibit

The technical exhibit supports a long-form application for construction permit for a paired digital channel for TV Translator Station K43IH on analog Channel 43, assigned to Prineville, Oregon. The associated short-form application (BSFDTT-20060630CDH) has been declared a singleton by the Commission.

Summary of Proposed Facilities

Below is a tabulation of the proposed paired digital facility:

Channel:	22
Geographic Coordinates:	44° 26' 17" North Latitude 120° 57' 14" West Longitude
Antenna Structure Registration:	N/A
Overall Tower Height:	29 meters
Ground Elevation:	1709 meters
Radiation Center:	1727 meters AMSL 18 meters (60 feet) AGL
Antenna Type:	RFS RD8A - 12.2 dBd Power Gain: 16.6
Antenna Major Lobe Orientation:	230° True
Transmitter Power Output:	20 Watts
Emissions Mask:	Stringent
Transmission Line:	LDF5-50A (7/8" Foam - 100 feet)
Effective Radiated Power:	0.25 kilowatt

Allocation Considerations

A study has been conducted to assure that the proposal will not create prohibited interference with other licensed, authorized or pending analog or digital TV, LPTV/translator and Class A TV stations. Using the procedures outlined in the FCC's OET-69 Bulletin, no new interference is predicted to be caused to any other station as shown by the results provided in Figure 1.

Radiofrequency Electromagnetic Field Exposure

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 28 meters above ground level. The proposed ERP of 0.25 kW is assumed. A conservative relative field value of 0.25 was assumed for the transmitting antenna's downward radiation. The calculated power density at ground level is less than 0.001 mW/cm^2 . This is less than 5% of the FCC's recommended limit of 0.42 mW/cm^2 for channel 22 for an "uncontrolled" environment.

Access to the transmitting site will be restricted and appropriately marked with warning signs. 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.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure.

Charles A. Cooper

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October 11, 2006

TECHNICAL EXHIBIT
LONG-FORM APPLICATION FOR PAIRED
DIGITAL CHANNEL CONSTRUCTION PERMIT
TV TRANSLATOR STATION K66AZ
PRINEVILLE, OREGON
CH 22 0.25 KW (MAX-DA)

OET-69 Interference Study

Census data selected: 1990
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-23-2006 Time: 15:26:46

Record Selected for Analysis

NEW BSFDTT -20060630CDI BURNS OR US
Channel 39 ERP 0.25 kW HAAT 00001 m RCAMSL 01639 m STRINGENT MASK
Latitude 043-34-26 Longitude 0119-07-47
Status APP Zone Border
Dir Antenna Make CDB Model 00000000073831 Beam tilt N Ref Azimuth 0.0
Last update 00000000 Cutoff date 00000000 Docket
Comments
Applicant NPG OF OREGON, INC.

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	0.010	245.6	14.6
45.0	0.133	324.5	30.5
90.0	0.138	370.5	32.0
135.0	0.144	368.6	32.2
180.0	0.167	291.2	30.7
225.0	0.014	280.4	17.5
270.0	0.002	168.0	8.2
315.0	0.001	143.0	6.6

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 quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN	
39	NEW	BURNS OR	BSFDTT	20060630CDI

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	K36BA	BURNS OR	0.0	LIC	BLTT	-19880222IE
38	K38IA	DENIO NV	196.9	CP	BNPTT	-20000828AKB
38	K63CC	MADRAS & CULVER OR	196.4	CP	BPTT	-20040217AAD
38	K38DT	NORTH LAPINE OR	193.5	LIC	BLTT	-19930401JG
38	K38AH	PENDLETON, ETC. OR	182.7	LIC	BLTT	-19950612II
38	K38DT	SUNRIVER OR	193.5	CP	BPTT	-20050606AHY
39	NEW	BOISE ID	244.6	LIC	BPRM	-20000717ACV
39	NEW	BOISE ID	246.7	APP	BNPTTL	-20000831BNM
39	KKJB	BOISE ID	244.6	APP	BPCT	-20011129ABE
39	KKJB	BOISE ID	241.3	LIC	BLCT	-20050119ACF
39	K39CT	COTTONWOOD, ETC. ID	347.9	LIC	BLTT	-19911104IR
39	K39HZ	CROUCH ID	259.7	CP	BNPTTL	-20000831BFM
39	K39CX	IMLAY NV	385.4	CP	BDFCDTT	-20060331BKK
39	K39CX	IMLAY NV	385.4	LIC	BLTT	-19940324JE
39	NEW	VALMY & RED HOUSE NV	325.7	APP	BDCCDTT	-20060908AAX
39	K39EF	ASHLAND OR	327.1	LIC	BLTTL	-20041228ABH
39	KFXO-LP	BEND OR	163.4	APP	BDFCDTA	-20060703ACX
39	KFXO-LP	BEND OR	163.4	LIC	BLTTL	-19931014JH
39	NEW	CAVE JUNCTION, ETC. OR	404.8	APP	BSFDTT	-20060630CLT
39	KOAC-TV	CORVALLIS OR	351.3	LIC	BLEDT	-20030227AAX
39	K39FD	ELGIN OR	222.5	LIC	BLTT	-20011212AAC
39	K39ES	HEPPNER, ETC. OR	270.0	LIC	BLTT	-19980803JH
39	K39DP	KLAMATH FALLS OR	265.3	LIC	BLTTL	-19960531JA
39	K39CL	YONCALLA OR	337.8	LIC	BLTTL	-19920302II
39	K39DM	ELLENSBURG WA	382.7	LIC	BLTTL	-19930628IE
39	K39DM	ELLENSBURG WA	382.7	CP	BPTTL	-20060127ARI
39	K39DL	MOSES LAKE WA	360.9	LIC	BLTTL	-19980107JB
39	K39FU	YAKIMA WA	345.9	LIC	BLTTL	-20040616AAS
40	K40FV	QUINN RIVER AREA NV	196.9	LIC	BLTT	-20030902ADA
40	K40AJ	BAKER VALLEY, ETC. OR	157.9	LIC	BLTT	-19820816IE
41	K69DK	BURNS OR	0.0	CP	BPTT	-20020617AAI
43	K43IH	BURNS OR	0.0	LIC	BLTT	-20060526ALB

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Analysis of Interference to Affected Station 1

Channel	Call	City/State	Application	Ref. No.
36	K36BA	BURNS OR	BLTT	-19880222IE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	K62BE	MIDLAND, ETC. OR	261.8	CP	BDISTTL	-20060331BFG
36	K36DP	PENDLETON, ETC. OR	182.7	LIC	BLTT	-19950512IH
36	K66AZ	PRINEVILLE OR	174.6	CP	BDISTTL	-20060329AGX
36	KTVC	ROSEBURG OR	340.5	LIC	BLCT	-19940726KG
39	NEW	BURNS OR	0.0	APP	BSFDTT	-20060630CDI

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.
38	K38IA	DENIO NV	BNPTT -20000828AKB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	K38IX-D	GOLCONDA NV	120.7	CP	BNPTTL -20000828AJP
38	KDRV-DT	MEDFORD OR	393.0	PLN	DTVPLN -DTVP1064
39	NEW	BURNS OR	196.9	APP	BSFDDT -20060630CDI

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	K63CC	MADRAS & CULVER OR	BPTT -20040217AAD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	K59DJ	EUGENE OR	155.5	CP	BPTTL -20050601BDS
38	KDRV-DT	MEDFORD OR	268.1	PLN	DTVPLN -DTVP1064
38	K38AH	PENDLETON, ETC. OR	162.4	LIC	BLTT -19950612II
38	KKEI-CA	PORTLAND OR	146.7	LIC	BLTTA -20020722ABI
38	KKEI-CA	PORTLAND OR	163.2	CP	BPTTA -20040622ABL
38	K38DT	SUNRIVER OR	83.2	CP	BPTT -20050606AHY
38	KTNW-DT	RICHLAND WA	231.9	PLN	DTVPLN -DTVP1075
38	KOMO-DT	SEATTLE WA	351.7	PLN	DTVPLN -DTVP1076
39	NEW	BURNS OR	196.4	APP	BSFDDT -20060630CDI

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.
38	K38DT	NORTH LAPINE OR	BLTT -19930401JG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KLSR-TV	EUGENE OR	129.6	CP MOD	BMPCDT -20041028AKC
31	KEVU-DT	EUGENE OR	129.1	PLN	DTVPLN -DTVP0837
38	KDRV-DT	MEDFORD OR	191.7	PLN	DTVPLN -DTVP1064
38	NEW	SWEET HOME OR	114.2	APP	BNPTTL -20000829ANO
38	KTNW-DT	RICHLAND WA	310.4	PLN	DTVPLN -DTVP1075
39	NEW	BURNS OR	193.5	APP	BSFDDT -20060630CDI

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.
38	K38AH	PENDLETON, ETC. OR	BLTT -19950612II

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KTNW	RICHLAND WA	99.8	LIC	BLET -20000628AET
38	K63CC	MADRAS & CULVER OR	162.4	CP	BPTT -20040217AAD
38	KKEI-CA	PORTLAND OR	255.7	LIC	BLTTA -20020722ABI
38	KKEI-CA	PORTLAND OR	271.7	CP	BPTTA -20040622ABL
38	KTNW-DT	RICHLAND WA	100.1	PLN	DTVPLN -DTVP1075
38	KOMO-DT	SEATTLE WA	356.6	PLN	DTVPLN -DTVP1076
38	K69BF	STEMILT, ETC. WA	244.5	CP	BPTT -20041207AAT
39	NEW	BURNS OR	182.7	APP	BSFDDT -20060630CDI

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.
38	K38DT	SUNRIVER OR	BPTT -20050606AHY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KLSR-TV	EUGENE OR	129.6	CP MOD	BMPCDT -20041028AKC
31	KEVU-DT	EUGENE OR	129.1	PLN	DTVPLN -DTVP0837
38	K59DJ	EUGENE OR	122.6	CP	BPTTL -20050601BDS
38	K38CZ	LINCOLN CITY/NEWPORT OR	224.8	LIC	BLTT -19940131JG
38	K63CC	MADRAS & CULVER OR	83.2	CP	BPTT -20040217AAD
38	KDRV-DT	MEDFORD OR	191.7	PLN	DTVPLN -DTVP1064
38	KKEI-CA	PORTLAND OR	194.3	LIC	BLTTA -20020722ABI
38	KKEI-CA	PORTLAND OR	207.9	CP	BPTTA -20040622ABL
38	KTNW-DT	RICHLAND WA	310.4	PLN	DTVPLN -DTVP1075
39	NEW	BURNS OR	193.5	APP	BSFDDT -20060630CDI

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.
39	NEW	BOISE ID	BPRM -20000717ACV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	NEW	BURNS OR	244.6	APP	BSFDDT -20060630CDI

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.
39	NEW	BOISE ID	BNPTTL -20000831BNM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BOISE ID	35.3	LIC	BPRM	-20000717ACV
39	KKJB	BOISE ID	35.3	APP	BPCT	-20011129ABE
39	KKJB	BOISE ID	33.9	LIC	BLCT	-20050119ACF
39	K39HZ	CROUCH ID	76.1	CP	BNPTTL	-20000831BFM
39	NEW	BURNS OR	246.7	APP	BSFDTT	-20060630CDI

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.
39	KKJB	BOISE ID	BPCT	-20011129ABE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BURNS OR	244.6	APP	BSFDTT	-20060630CDI

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	KKJB	BOISE ID	BLCT	-20050119ACF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BURNS OR	241.3	APP	BSFDTT	-20060630CDI

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	K39CT	COTTONWOOD, ETC. ID	BLTT	-19911104IR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KLEW-DT	LEWISTON ID	65.1	PLN	DTVPLN	-DTVP0862
35	KUID-DT	MOSCOW ID	78.3	PLN	DTVPLN	-DTVP0975
39	NEW	BOISE ID	258.8	LIC	BPRM	-20000717ACV
39	KKJB	BOISE ID	258.8	APP	BPCT	-20011129ABE
39	KKJB	BOISE ID	260.2	LIC	BLCT	-20050119ACF
39	K39HZ	CROUCH ID	220.1	CP	BNPTTL	-20000831BFM
39	NEW	BURNS OR	347.9	APP	BSFDTT	-20060630CDI
39	K39FD	ELGIN OR	129.7	LIC	BLTT	-20011212AAC
39	KHBA-LP	SPOKANE WA	179.4	CP	BP TTL	-20050427ABS
39	KSPS-DT	SPOKANE WA	179.1	PLN	DTVPLN	-DTVP1111

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39HZ	CROUCH ID	BNPTTL -20000831BFM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	K39HA	ARCO ID	224.8	CP	BNPTTL -20000829AMC
39	NEW	BOISE ID	41.5	LIC	BPRM -20000717ACV
39	NEW	BOISE ID	76.1	APP	BNPTTL -20000831BNM
39	KKJB	BOISE ID	41.5	APP	BPCT -20011129ABE
39	KKJB	BOISE ID	44.0	LIC	BLCT -20050119ACF
39	K39CT	COTTONWOOD, ETC. ID	220.1	LIC	BLTT -19911104IR
39	NEW	BURNS OR	259.7	APP	BSFDDT -20060630CDI

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.
39	K39CX	IMLAY NV	BDFCDTT -20060331BKK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	K39FF	RENO NV	108.8	CP	BDFCDTT -20060222AAP
39	K39FF	RENO NV	108.8	LIC	BLTT -20010612ACH
39	NEW	BURNS OR	385.4	APP	BSFDDT -20060630CDI

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39CX	IMLAY NV	BLTT -19940324JE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KTVN-DT	RENO NV	127.2	PLN	DTVPLN -DTV0873
39	K39FF	RENO NV	108.8	CP	BDFCDTT -20060222AAP
39	K39FF	RENO NV	108.8	LIC	BLTT -20010612ACH
39	NEW	BURNS OR	385.4	APP	BSFDDT -20060630CDI

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	NEW	VALMY & RED HOUSE NV	BDCCDTT -20060908AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BOISE ID	330.5	LIC	BPRM	-20000717ACV
39	KKJB	BOISE ID	330.5	APP	BPCT	-20011129ABE
39	KKJB	BOISE ID	327.8	LIC	BLCT	-20050119ACF
39	K39CX	IMLAY NV	145.2	LIC	BLTT	-19940324JE
39	NEW	BURNS OR	325.7	APP	BSFDDT	-20060630CDI
40	K40HK-D	VALMY NV	0.0	CP	BNPTTL	-20000828AJL
40	K40HK-D	VALMY NV	0.0	CP	BDFCDTL	-20060327AHW

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	K39EF	ASHLAND OR	BLTTL	-20041228ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	960920KV	WEAVERVILLE CA	135.5	APP	BPET	-19960920KV
35	KTVL-DT	MEDFORD OR	23.9	PLN	DTVPLN	-DTVP0989
38	KDRV-DT	MEDFORD OR	59.1	PLN	DTVPLN	-DTVP1064
39	K39EO	CRESCENT CITY, ETC. CA	124.6	LIC	BLTTL	-19971105IF
39	K39DG	TRINITY CENTER CA	147.6	LIC	BLTT	-19931005JF
39	KFXO-LP	BEND OR	255.6	LIC	BLTTL	-19931014JH
39	NEW	BURNS OR	327.1	APP	BSFDDT	-20060630CDI
39	KOAC-TV	CORVALLIS OR	264.0	LIC	BLEDT	-20030227AAX
39	KOAC-DT	CORVALLIS OR	264.0	PLN	DTVPLN	-DTVP1102
39	K39DP	KLAMATH FALLS OR	77.1	LIC	BLTTL	-19960531JA
40	KOTI-DT	KLAMATH FALLS OR	94.6	PLN	DTVPLN	-DTVP1137
42	KSYS-DT	MEDFORD OR	59.1	PLN	DTVPLN	-DTVP1206
54	K54DM	GRANTS PASS, ETC. OR	44.2	LIC	BLTT	-19910322IG

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	KFXO-LP	BEND OR	BDFCDTA	-20060703ACX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BOISE ID	393.3	LIC	BPRM	-20000717ACV
39	KKJB	BOISE ID	393.3	APP	BPCT	-20011129ABE
39	KKJB	BOISE ID	390.4	LIC	BLCT	-20050119ACF
39	NEW	BURNS OR	163.4	APP	BSFDDT	-20060630CDI
39	KOAC-TV	CORVALLIS OR	188.9	LIC	BLEDT	-20030227AAX
39	KOAC-DT	CORVALLIS OR	188.9	PLN	DTVPLN	-DTVP1102

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.
39	KFXO-LP	BEND OR	BLTTL	-19931014JH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KRCW-TV	SALEM OR	140.6	LIC	BLCT	-19990816KE
38	K63CC	MADRAS & CULVER OR	44.7	CP	BPTT	-20040217AAD
38	K38DT	SUNRIVER OR	55.4	CP	BPTT	-20050606AHY
39	NEW	BOISE ID	393.3	LIC	BPRM	-20000717ACV
39	KKJB	BOISE ID	393.3	APP	BPCT	-20011129ABE
39	KKJB	BOISE ID	390.4	LIC	BLCT	-20050119ACF
39	K39EF	ASHLAND OR	255.6	LIC	BLTTL	-20041228ABH
39	NEW	BURNS OR	163.4	APP	BSFDTT	-20060630CDI
39	KOAC-TV	CORVALLIS OR	188.9	LIC	BLEDT	-20030227AAX
39	KOAC-DT	CORVALLIS OR	188.9	PLN	DTVPLN	-DTVP1102
54	K54AP	PRINEVILLE OR	26.8	LIC	BLTT	-19920518IL

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	NEW	CAVE JUNCTION, ETC. OR	BSFDTT	-20060630CLT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KDRV-DT	MEDFORD OR	72.8	PLN	DTVPLN	-DTVP1064
39	K39EO	CRESCENT CITY, ETC. CA	48.5	LIC	BLTTL	-19971105IF
39	K39EF	ASHLAND OR	79.8	LIC	BLTTL	-20041228ABH
39	NEW	BURNS OR	404.8	APP	BSFDTT	-20060630CDI
39	KOAC-TV	CORVALLIS OR	280.5	LIC	BLEDT	-20030227AAX
39	KOAC-DT	CORVALLIS OR	280.5	PLN	DTVPLN	-DTVP1102

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 20

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
39	KOAC-DT	CORVALLIS OR	DTVPLN	-DTVP1102

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KDRV-DT	MEDFORD OR	216.6	PLN	DTVPLN	-DTVP1064
39	KIRO-DT	SEATTLE WA	340.1	PLN	DTVPLN	-DTVP1110
40	KOIN-DT	PORTLAND OR	106.2	PLN	DTVPLN	-DTVP1138

Results for: 39A OR CORVALLIS DTVPLN DTVP1102 PLN
HAAT 375.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1346232	31403.3
not affected by terrain losses	1077806	25072.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	167649	738.0
lost to ATV IX only	167649	738.0
lost to all IX	167649	738.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
07	KOACTV	CORVALLIS OR	DTVPLN	-NPLN0497

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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07	KIRO-TV	SEATTLE WA	340.1	PLN	DTVPLN	-NPLN0510
08	KSYS	MEDFORD OR	216.6	PLN	DTVPLN	-NPLN0559
08	KGW	PORTLAND OR	106.4	PLN	DTVPLN	-NPLN0560

Results for: 7N OR CORVALLIS DTVPLN NPLN0497 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1346232	31403.3
not affected by terrain losses	1023907	25059.5
lost to NTSC IX	191581	1342.3
lost to additional IX by ATV	0	0.0
lost to all IX	191581	1342.3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	KOAC-TV	CORVALLIS OR	BLEDT -20030227AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KDRV-DT	MEDFORD OR	216.6	PLN	DTVPLN -DTVP1064
39	NEW	BURNS OR	351.3	APP	BSFDDT -20060630CDI
39	KIRO-DT	SEATTLE WA	340.1	PLN	DTVPLN -DTVP1110
40	960724LF	PORTLAND OR	106.2	APP	BPCT -19960724LF
40	KOIN-DT	PORTLAND OR	106.2	PLN	DTVPLN -DTVP1138
40	KOIN	PORTLAND OR	106.2	LIC	BLCDT -20050613ABB
40	960920WH	PORTLAND OR	107.0	APP	BPCT -19960920WH

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39FD	ELGIN OR	BLTT -20011212AAC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KLEW-DT	LEWISTON ID	136.7	PLN	DTVPLN -DTVP0862
39	NEW	BOISE ID	216.0	LIC	BPRM -20000717ACV
39	KKJB	BOISE ID	216.0	APP	BPCT -20011129ABE
39	KKJB	BOISE ID	215.5	LIC	BLCT -20050119ACF
39	K39CT	COTTONWOOD, ETC. ID	129.7	LIC	BLTT -19911104IR
39	NEW	BURNS OR	222.5	APP	BSFDDT -20060630CDI
39	KSPS-DT	SPOKANE WA	254.1	PLN	DTVPLN -DTVP1111
40	K69AD	WALLOWA OR	28.7	CP	BPCT -20050527AQA
54	K26FE	LA GRANDE OR	19.5	LIC	BLTT -19890131IK

Proposal causes no interference

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39ES	HEPPNER, ETC. OR	BLTT -19980803JH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KTNW-DT	RICHLAND WA	115.8	PLN	DTVPLN -DTVP1075
39	NEW	BURNS OR	270.0	APP	BSFDDT -20060630CDI
39	KOAC-TV	CORVALLIS OR	247.8	LIC	BLEDT -20030227AAX
39	KOAC-DT	CORVALLIS OR	247.8	PLN	DTVPLN -DTVP1102
39	K39DM	ELLENSBURG WA	123.5	CP	BPCT -20060127ARI
39	KIRO-DT	SEATTLE WA	247.4	PLN	DTVPLN -DTVP1110

39 KSPS-DT SPOKANE WA 318.4 PLN DTVPLN -DTVPL1111
39 K39FU YAKIMA WA 83.6 LIC BLTTL -20040616AAS
Proposal causes no interference

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39DP	KLAMATH FALLS OR	BLTTL -19960531JA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	960920KV	WEAVERVILLE CA	143.7	APP	BPET -19960920KV
35	KTVL-DT	MEDFORD OR	75.9	PLN	DTVPLN -DTVPO989
38	KDRV-DT	MEDFORD OR	127.0	PLN	DTVPLN -DTVPL1064
39	K39EF	ASHLAND OR	77.1	LIC	BLTTL -20041228ABH
39	NEW	BURNS OR	265.3	APP	BSFDDT -20060630CDI
39	KOAC-TV	CORVALLIS OR	293.2	LIC	BLEDT -20030227AAX
39	KOAC-DT	CORVALLIS OR	293.2	PLN	DTVPLN -DTVPL1102
40	KOTI-DT	KLAMATH FALLS OR	20.8	PLN	DTVPLN -DTVPL1137
42	KSYS-DT	MEDFORD OR	126.9	PLN	DTVPLN -DTVPL1206

Proposal causes no interference

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39CL	YONCALLA OR	BLTTL -19920302II

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KLSR-TV	EUGENE OR	43.8	CP MOD	BMPCDT -20041028AKC
31	KEVU-DT	EUGENE OR	44.0	PLN	DTVPLN -DTVPO837
38	KDRV-DT	MEDFORD OR	105.5	PLN	DTVPLN -DTVPL1064
39	K39EF	ASHLAND OR	156.5	LIC	BLTTL -20041228ABH
39	NEW	BURNS OR	337.8	APP	BSFDDT -20060630CDI
39	KOAC-TV	CORVALLIS OR	111.4	LIC	BLEDT -20030227AAX
39	KOAC-DT	CORVALLIS OR	111.4	PLN	DTVPLN -DTVPL1102
42	KSYS-DT	MEDFORD OR	105.5	PLN	DTVPLN -DTVPL1206

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39DM	ELLENSBURG WA	BLTTL -19930628IE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KWPX	BELLEVUE WA	133.8	LIC	BLCDT -20060405ACG
38	NEW	ELLENSBURG WA	0.3	APP	BSFDDT -20060630CBF
38	KTNW-DT	RICHLAND WA	133.0	PLN	DTVPLN -DTVPL1075
39	NEW	BURNS OR	382.7	APP	BSFDDT -20060630CDI
39	KOAC-TV	CORVALLIS OR	332.6	LIC	BLEDT -20030227AAX

39	KOAC-DT	CORVALLIS OR	332.6	PLN	DTVPLN	-DTVP1102
39	K39DL	MOSES LAKE WA	68.0	LIC	BLTTL	-19980107JB
39	KIRO-DT	SEATTLE WA	166.2	PLN	DTVPLN	-DTVP1110
39	KSPS-DT	SPOKANE WA	249.3	PLN	DTVPLN	-DTVP1111
39	K39FU	YAKIMA WA	39.9	LIC	BLTTL	-20040616AAS
42	KWDK	TACOMA WA	133.9	LIC	BLEDT	-20050421AAE
46	KCWT-DT	WENATCHEE WA	50.8	PLN	DTVPLN	-DTVP1346
53	NEW	SEATTLE WA	133.9	ADD	BPRM	-20000717ACE
54	K54DX	ELLENSBURG-KITTITAS WA	0.3	LIC	BLTTL	-19940311IE

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	K39DM	ELLENSBURG WA	BPTTL	-20060127ARI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KWPX	BELLEVEUE WA	133.8	LIC	BLCDT	-20060405ACG
38	NEW	ELLENSBURG WA	0.3	APP	BSFDDT	-20060630CBF
38	KTNW-DT	RICHLAND WA	133.0	PLN	DTVPLN	-DTVP1075
38	K69BF	STEMILT, ETC. WA	42.8	CP	BPTT	-20041207AAT
39	NEW	BURNS OR	382.7	APP	BSFDDT	-20060630CDI
39	KOAC-TV	CORVALLIS OR	332.6	LIC	BLEDT	-20030227AAX
39	KOAC-DT	CORVALLIS OR	332.6	PLN	DTVPLN	-DTVP1102
39	K39ES	HEPPNER, ETC. OR	123.5	LIC	BLTT	-19980803JH
39	K39DL	MOSES LAKE WA	68.0	LIC	BLTTL	-19980107JB
39	KIRO-DT	SEATTLE WA	166.2	PLN	DTVPLN	-DTVP1110
39	KSPS-DT	SPOKANE WA	249.3	PLN	DTVPLN	-DTVP1111
39	K39FU	YAKIMA WA	39.9	LIC	BLTTL	-20040616AAS
40	K65AU	STEMILT, ETC. WA	42.8	APP	BPTT	-20060928AKW
42	KWDK	TACOMA WA	133.9	LIC	BLEDT	-20050421AAE
46	KCWT-DT	WENATCHEE WA	50.8	PLN	DTVPLN	-DTVP1346
53	NEW	SEATTLE WA	133.9	ADD	BPRM	-20000717ACE
54	K54DX	ELLENSBURG-KITTITAS WA	0.3	LIC	BLTTL	-19940311IE

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 27

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	K39DL	MOSES LAKE WA	BLTTL	-19980107JB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KTNW-DT	RICHLAND WA	84.4	PLN	DTVPLN	-DTVP1075
39	NEW	BURNS OR	360.9	APP	BSFDDT	-20060630CDI
39	KOAC-TV	CORVALLIS OR	375.6	LIC	BLEDT	-20030227AAX
39	KOAC-DT	CORVALLIS OR	375.6	PLN	DTVPLN	-DTVP1102
39	K39DM	ELLENSBURG WA	68.0	CP	BPTTL	-20060127ARI
39	KIRO-DT	SEATTLE WA	230.3	PLN	DTVPLN	-DTVP1110
39	KSPS-DT	SPOKANE WA	190.8	PLN	DTVPLN	-DTVP1111
39	K39FU	YAKIMA WA	77.7	LIC	BLTTL	-20040616AAS
46	KCWT-DT	WENATCHEE WA	76.8	PLN	DTVPLN	-DTVP1346

Proposed station is beyond the site to

nearest cell evaluation distance

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Analysis of Interference to Affected Station 28

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39FU	YAKIMA WA	BLTTL -20040616AAS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	NEW	ELLENSBURG WA	39.7	APP	BSFDTT -20060630CBF
38	KTNW-DT	RICHLAND WA	115.0	PLN	DTVPLN -DTVP1075
39	K39HO	ASTORIA OR	262.1	CP	BNPTTL -20000831CMV
39	NEW	BURNS OR	345.9	APP	BSFDTT -20060630CDI
39	KOAC-TV	CORVALLIS OR	301.5	LIC	BLEDT -20030227AAX
39	KOAC-DT	CORVALLIS OR	301.5	PLN	DTVPLN -DTVP1102
39	K39ES	HEPPNER, ETC. OR	83.6	LIC	BLTT -19980803JH
39	K39DM	ELLENSBURG WA	39.9	CP	BPTTL -20060127ARI
39	K39DL	MOSES LAKE WA	77.7	LIC	BLTTL -19980107JB
39	KIRO-DT	SEATTLE WA	186.5	PLN	DTVPLN -DTVP1110
39	KSPS-DT	SPOKANE WA	268.4	PLN	DTVPLN -DTVP1111
46	KCWT-DT	WENATCHEE WA	90.2	PLN	DTVPLN -DTVP1346
54	K54DX	ELLENSBURG-KITTITAS WA	39.7	LIC	BLTTL -19940311IE

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 29

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	K40FV	QUINN RIVER AREA NV	BLTT -20030902ADA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	NEW	BURNS OR	196.9	APP	BSFDTT -20060630CDI
40	K40HK-D	VALMY NV	141.8	CP	BNPTTL -20000828AJL
40	KOTI-DT	KLAMATH FALLS OR	253.0	PLN	DTVPLN -DTVP1137

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 30

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	K40AJ	BAKER VALLEY, ETC. OR	BLTT -19820816IE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	NEW	BURNS OR	157.9	APP	BSFDTT -20060630CDI
40	K40FM	MILTON-FREEWATER OR	142.6	LIC	BLTT -20030108AAW
40	960920WH	PORTLAND OR	386.2	APP	BPCT -19960920WH
40	K69AD	WALLOWA OR	93.0	CP	BPTT -20050527AQA
55	K55JS	BAKER CITY OR	1.2	LIC	BLTT -20050222AGT

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 31

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	K69DK	BURNS OR	BPTT	-20020617AAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BURNS OR	0.0	APP	BSFDTT	-20060630CDI

Proposal causes no interference

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Analysis of Interference to Affected Station 32

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	K43IH	BURNS OR	BLTT	-20060526ALB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BURNS OR	0.0	APP	BSFDTT	-20060630CDI
43	KUBN-LP	BEND OR	163.4	APP	BDISTTL	-20060822AIL
43	KATU-DT	PORTLAND OR	358.8	PLN	DTVPLN	-DTPV1239
43	KATU	PORTLAND OR	357.8	LIC	BLCDT	-20050407KXN

Proposal causes no interference

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Analysis of Interference to Affected Station 33

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	NEW	BURNS OR	BSFDTT	-20060630CDI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	BOISE ID	244.6	LIC	BPRM	-20000717ACV
39	KKJB	BOISE ID	244.6	APP	BPCT	-20011129ABE
39	KKJB	BOISE ID	241.3	LIC	BLCT	-20050119ACF
39	KOAC-TV	CORVALLIS OR	351.3	LIC	BLEDT	-20030227AAX
39	KOAC-DT	CORVALLIS OR	351.3	PLN	DTVPLN	-DTPV1102

Total scenarios = 3

Result key: 1

Scenario 1 Affected station 33 NEW
Before Analysis

Results for: 39A OR BURNS BSFDTT 20060630CDI APP

HAAT	1.0 m, ATV ERP	0.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			5706	1844.2
not affected by terrain losses			5706	1805.4
lost to NTSC IX			80	16.9
lost to additional IX by ATV			0	0.0

lost to ATV IX only	0	0.0
lost to all IX	80	16.9

Potential Interfering Stations Included in above Scenario 1

39N ID BOISE BPRM 20000717ACV LIC

Result key: 2
Scenario 2 Affected station 33 NEW
Before Analysis

Results for: 39A OR BURNS BSFDDT 20060630CDI APP

HAAT 1.0 m, ATV ERP 0.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	5706	1844.2
not affected by terrain losses	5706	1805.4
lost to NTSC IX	80	16.9
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	80	16.9

Potential Interfering Stations Included in above Scenario 2

39N ID BOISE BPCT 20011129ABE APP

Result key: 3
Scenario 3 Affected station 33 NEW
Before Analysis

Results for: 39A OR BURNS BSFDDT 20060630CDI APP

HAAT 1.0 m, ATV ERP 0.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	5706	1844.2
not affected by terrain losses	5706	1805.4
lost to NTSC IX	80	13.9
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	80	13.9

Potential Interfering Stations Included in above Scenario 3

39N ID BOISE BLCT 20050119ACF LIC

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