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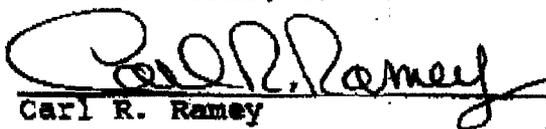
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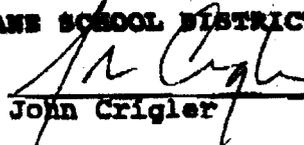
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June 13, 1997

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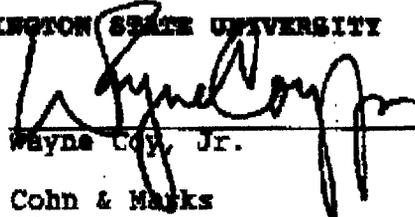
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EXHIBIT A

**EASTERN WASHINGTON AND NORTHERN IDAHO
DTV CHANNEL ALLOCATION CAUCUS**

PROPOSED MODIFIED CHANNEL TABLE

<u>Call Sign</u>	<u>Analog Channel</u>	<u>FCC DTV Ch.</u>	<u>Caucus' DTV Ch.</u>
KREM	2	57	20
KXLY	4	54	13
KHQ	6	55	15
KSPS	7	39	39(FCC allocation)
KSKN	22	38	36
KCDT	26	56	45
KAYU	28	29	30
KLEW	3	32	32(FCC allocation)
KWSU	10	17	17(FCC allocation)
KUID	12	33	35
KEPR	19	20	18
KTNW	31	30	38
KVEW	42	14	44
KAUP	11	4	8
KCWT	27	56	46
KIMA	29	52	33
KAPP	35	34	14
KYVE	47	21	21(FCC allocation)

EXHIBIT B

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ENGINEERING STATEMENT

IN SUPPORT OF

PETITION FOR RECONSIDERATION

*MM Docket No. 87-268 Sixth Report and Order
DTV Table of Allotments,*

PREPARED FOR

Eastern Washington DTV Channel Allocations Caucus

JUNE 1997

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Introduction

Proposed Modifications to Table of Allotments

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INTRODUCTION

This engineering report is submitted in support of the proposed modifications to the DTV Table of Allotments by the Eastern Washington DTV Channel Allocation Caucus. The Caucus was formed to alleviate problems associated with the DTV Table of Allotments as published in the Commission's Sixth Report and Order, MM Docket 87-268. This reassignment will provide a reduction in potential interference and assure greater replication of existing NTSC service.

Examples of problems with the Table of Allotments in the Sixth Report and Order include:

- *The assignment of adjacent channel stations for DTV assignments. Channels 54, 55, 56 and 57 were assigned from three separate transmitter sites to cover the same market - It is undesirable to operate using adjacent channels from three different and widely separated sites since this would cause considerable interference in the coverage areas of all four stations. The following table shows the distance between these transmitter sites. This is also shown on the map on the following page.*

	KREM DTV Ch. 57	KHQ DTV Ch. 55	KXLY DTV Ch. 54	KCDT DTV Ch. 56
KREM DTV Ch. 57	0 km	1.6 km	38.9 km	45.3 km
KHQ DTV Ch. 55	1.6 km	0 km	40.3 km	45.7 km
KXLY DTV Ch. 54	38.9 km	40.3 km	0 km	45.3 km
KCDT DTV Ch. 56	45.3 km	45.7 km	45.3 km	0 km

- *The assignment of higher UHF channels for sites separated from the market by more than 30 km - The mountainous terrain in Eastern Washington and Idaho is not conducive to the use of the higher UHF channels. The higher UHF channels require more power than the lower UHF channels to achieve the same coverage as the low band VHF channels. At the higher UHF frequencies there is more free-space path loss, diffraction loss and clutter loss than the lower UHF frequencies.*

- *The assignment of DTV channels first adjacent to NTSC (analog) operations now in use by the Caucus stations - Four of the allocations were assigned first adjacent channels abutting their existing NTSC operation. The Caucus was able to eliminate this potential cross interference situation for three of the four stations.*

The reassignment of the DTV channels in this area should not affect the Table as a whole because this area is distant from other major TV markets. This area is in a mountainous region that will provide terrain shielding to other markets. All of the TV markets affected by the proposed reassignment are shown in this report.

PROPOSED MODIFICATIONS TO TABLE OF ALLOTMENTS

City of License	Call	NTSC (Analog) Channel	FCC DTV Channel	Caucus DTV Channel
Spokane/CDA	KREM	2	57	20
	KXLY	4	54	13 L-R, T
	KHQ	6	55	15 L-R
	KSPS	7	39	39
	KSKN	22	38	36 T
	KCDT	26	56	45
	KAYU	28	29	30 L-R, T
Pullman/Moscow/Lewiston	KLEW	3	32	32
	KWSU	10	17	17
	KUID	12	33	35 L-R
Richland/Pasco/Kennewick	KEPR	19	20	18
	KNDU	25	26	40
	KTNW	31	30	38
	KVEW	42	14	44
Pendleton	CP	11	4	8
Yakima/Wenatchee	KCWT	27	56	46
	KIMA	29	52	33 L-R
	fKAPP	35	34	14 L-R
	KYVE	47	21	21

L-R Longley-Rice Propagation Study

T Terrain Profile Study

CHANNEL STUDIES

The channel studies included in this report show compliance with the spacing requirements set forth in the Commission's proposed rule §73.623 *DTV application and changes to DTV allotments*. The DTV allotments from the Sixth Report and Order are marked with "Origin:F" and the Caucus reassignments are marked with "Origin:C". The channel studies reflect the Caucus' proposal and have replaced the FCC allocations with the Caucus allocations. For channels that do not meet the spacing requirements, a Longley-Rice propagation study and/or a terrain profile study are provided with this report. These studies show terrain shielding compliance for interference criteria as outlined in §73.623.

METHODS FOR PROPAGATION STUDIES

The propagation study maps were prepared using the *Signal* propagation calculation program suite published by EDX Engineering. For this study the Carrier to Interference plus Noise method was used, with the effects of noise eliminated by setting the noise margin below the thermal noise floor. The ratio of the signal level of the desired station (carrier) to the signal level of the undesired station (interference) was calculated at interpolated locations on a 1.0 km square grid over the entire Grade B coverage area of the desired station. The Desired to Undesired (D/U) ratios for the desired and undesired signals are defined in § 73.623 of the proposed rules. For the receiver the study assumed use of a directional receiving antenna 9.0 meters above ground level. The antenna was assumed to be oriented towards the desired station, with a front-to-back ratio of 12 dB, a gain of 6 dB, and feed line loss of 2 dB. The transmitting station was assumed to have an omni-directional antenna at the reference coordinates and the height of the existing NTSC (analog) TV station. The assumed transmitter power for each transmitting stations is shown in the study. This is the maximum power allowed by the Commission in the proposed rule §73.622(f). The propagation model used for the studies was Longley-Rice V1.2.2 with three arc-second terrain data as specified in the Commission's proposed rule §73.623(c).

Certain propagation studies may show some undesired interference within the existing grade B contours of the existing NTSC TV stations. These points are in fact located at high altitudes atop mountain peaks, where the radio path is line of sight from both the desired and the undesired transmitter. These locations, however, are remote, unpopulated, and uninhabitable. There are

presently high levels of interference on these remote mountain peaks from existing co-channel analog TV stations. Due to their isolation, these areas should be considered insignificant to this allocation process. Also, there are interference areas on slopes of mountains illuminated by the interfering signal and shadowed by the desired station. These areas do not have existing NTSC coverage due to terrain shielding. The Caucus has endeavored to improve digital coverage, while minimizing impact to populated NTSC (analog) viewership. If deemed necessary by the Commission, additional measures can be taken to alleviate interference to other stations such as directional antennas, beam tilt and reduction of power.

Terrain information for Canada was not available for propagation studies of allocations in Canada. Longley-Rice studies were not performed for these Canadian allocations. Terrain profile graphs are included to show the terrain shielding towards the reference coordinates of these allocations.

CONCLUSION

The Caucus plan does not propose new channel assignment for KSPS (NTSC Ch. 7, DTV Ch. 39), KWSU (NTSC Ch. 10, DTV Ch. 17), and KYVE (NTSC Ch. 47, DTV Ch. 21). While the assignments of Channel 17 had some violations with the proposed spacing rules it was not considered severe enough to warrant a move.

The Caucus plan has consolidated the allotments in the "hard-core" Channels 7 through 46. In summary the Caucus plan provides the following benefits:

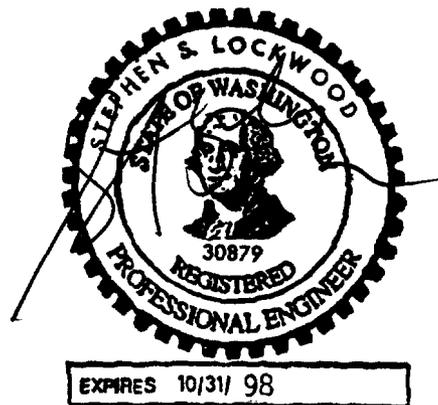
- Reduces the number of DTV allotments not in the "hard-core" Channels from seven to zero
- Reduces the number of DTV allotments above Channel 46 from six to zero
- Reduces the number of DTV allotments below Channel 7 from one to zero
- Reduces the number of DTV/DTV first-adjacent allotments from five to zero
- Reduces the number of DTV/NTSC first-adjacent allotments from five to three

STATEMENT OF ENGINEER

This Engineering Report, which is part of an application for a Petition for Reconsideration of the Sixth Report and Order MM Docket No. 87-268 DTV Table of Allotments has been prepared under my direct supervision. All representations contained herein are true to the best of my knowledge. I am an experienced radio engineer whose qualifications are a matter of record with the Federal Communications Commission. I am a staff engineer with the firm of Hatfield and Dawson Consulting Engineers and am Registered as a Professional Engineer in the States of Washington and Alaska.

12 June 1997

Stephen S. Lockwood, P.E.



SEARCH PARAMETERS

TV Database Date: 970522

Channel: 20

Page 1

Latitude: 47 35 42

Longitude: 117 17 53

Zone: II

Safety Zone: 100 km

Job Title: KREM CH 2

Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP (kW) HAAT (m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)
===== BEGIN SEARCH OF FCC TV DATABASE =====								
ALLOC	SANDPOINT	ID -	*16+ II	0.000 0	48-16-43 116-18-36	43.7	106.0	(24.1 96.6) CLEAR
ALLOC	BURMIS	AB -	20Z II	0.000 0	49-33- 0 114-17- 0	44.5	311.1	(0.0 244.6) CLEAR
KSKN LIC	SPOKANE	WA BLCT-830829KN	22Z II	1410.000 597	47-35-42 117-17-53	0.0	0.0	(24.1 96.6) CLEAR
KSKN CP	SPOKANE	WA BPCT-940920KF	22Z II	832.000 429	47-36- 4 117-17-53	358.3	0.7	(24.1 96.6) CLEAR
KSKN APP	SPOKANE	WA BMPCT-950714KE	22Z II	5000.000 597	47-35-42 117-17-53	0.0	0.0	(24.1 96.6) CLEAR
ALLOC	PULLMAN	WA -	24+ II	0.000 0	46-43-48 117-10-24	174.4	96.6	(24.1 96.6) CLEAR
EFFECTIVE 11-30-87.								
NEW APP	PULLMAN	WA BPCT-960129KE	24+ II	1450.000 272	46-40-51 116-58-26	166.3	104.6	(24.1 96.6) CLEAR
NEW APP	PULLMAN	WA BPCT-960404KY	24+ II	5000.000 290	46-40-50 116-58-20	166.3	104.6	(24.1 96.6) CLEAR
KAYUTV LIC	SPOKANE	WA BLCT-941220KF	28- II	2400.000 601	47-34-44 117-17-46	175.3	1.8	(24.1 96.6) CLEAR

===== BEGIN SEARCH OF SUPPLEMENTARY DTV DATABASE CAUCUS.DTV =====
 ===== F=FCC DTV ASSIGNMENTS C=EASTERN WA CAUCUS RECOMMENDATIONS =====

KREM02 LIC	SPOKANE	WA BLCT-1327	20 II	Origin:C	47-35-42 117-17-53	0.0	0.0	(0.0 223.7)
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===== END OF DTV SPACING STUDY FOR CHANNEL 20 =====

SEARCH PARAMETERS

TV Database Date: 970522

Page 1

Channel: 13
 Latitude: 47 55 18
 Longitude: 117 6 48
 Zone: II
 Safety Zone: 100 km
 Job Title: KXLY CH 4
 Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)
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===== BEGIN SEARCH OF FCC TV DATABASE =====

KUIDTV LIC	MOSCOW ID BLET-911223KF		*12- II	316.000 346	46-40-54 116-58-13	175.5	138.3	(17.7 146.4) SEE STUDY IN REPORT
KECITV LIC	MISSOULA MT BLCT-1746		13- II	302.000 610	47-01- 4 114-00-47	112.2	254.4	(0.0 273.6) SEE STUDY IN REPORT
KTVR LIC	LA GRANDE OR BLET-900312KF		*13+ II	7.240 787	45-18-35 117-43-57	189.5	294.2	(0.0 273.6) CLEAR
KCPQ APP	TACOMA WA BPCT-960705KG		13- II	240.000 716	47-30-16 121-58- 5	264.5	367.2	(0.0 273.6) CLEAR
CFCNTV5 LIC	LETHBRIDGE AB -		13+ II	139.000 172	49-43-59 112-57-36	54.9	365.5	(0.0 273.6) CLEAR
Directional Antenna								
CBUDT LIC	BONNINGTON FALLS BC -		13+ II	0.159 -392	49-28-33 117-29-16	351.1	175.0	(0.0 273.6) TRANSLATOR
Directional Antenna								
ALLOC	CRANBROOK BC -		13Z II	0.000 0	49-27-30 115-37-45	32.0	202.8	(0.0 273.6) SEE STUDY IN REPORT
LIMITED TO PROTECT KECI-TV, MISSOULA, MT.								
CBUBT2 LIC	GOLDEN BC -		13Z II	0.157 -27	51-16-25 116-59-17	1.3	372.9	(0.0 273.6) CLEAR
Directional Antenna								
CHBCTV1 LIC	PENTICTON BC -		13Z II	0.540 365	49-39-34 119-34-18	317.9	264.5	(0.0 273.6) TRANSLATOR
Directional Antenna								

===== BEGIN SEARCH OF SUPPLEMENTARY DTV DATABASE CAUCUS.DTV =====

===== F=FCC DTV ASSIGNMENTS C=EASTERN WA CAUCUS RECOMMENDATIONS =====

KXLY04 LIC	SPOKANE WA BLCT-790927KH		13 II	Origin:C 117- 6-48	47-55-18 117- 6-48	0.0	0.0	(0.0 273.6)
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===== END OF DTV SPACING STUDY FOR CHANNEL 13 =====

SEARCH PARAMETERS

TV Database Date: 970522

Page 1

Channel: 15
 Latitude: 47 34 52
 Longitude: 117 17 47
 Zone: II
 Safety Zone: 100 km
 Job Title: KHQ CH 6
 Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)
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===== BEGIN SEARCH OF FCC TV DATABASE =====

ALLOC	TRAIL BC -		14Z II	0.000 0	49-06- 0 117-42- 0	350.1	171.5	(9.7 88.5) SEE STUDY IN REPORT
ALLOC	GRANGEVILLE ID -		*15- II	0.000 0	45-55-34 116-07-17	153.6	204.7	(0.0 244.6) SEE STUDY IN REPORT
ALLOC	BLAIRMORE AB -		15Z II	0.000 0	49-36- 0 114-26- 0	42.1	308.2	(0.0 244.6) CLEAR
ALLOC	SANDPOINT ID -		*16+ II	0.000 0	48-16-43 116-18-36	43.1	107.0	(9.7 88.5) CLEAR
ALLOC	KINNAIRD BC -		19Z II	0.000 0	49-17- 0 117-39- 0	352.3	191.1	(24.1 96.6) CLEAR
KSKN LIC	SPOKANE WA BLCT-830829KN		22Z II	1410.000 597	47-35-42 117-17-53	355.4	1.5	(24.1 96.6) CLEAR
KSKN CP	SPOKANE WA BPCT-940920KF		22Z II	832.000 429	47-36- 4 117-17-53	356.8	2.2	(24.1 96.6) CLEAR
KSKN APP	SPOKANE WA BMPCT-950714KE		22Z II	5000.000 597	47-35-42 117-17-53	355.4	1.5	(24.1 96.6) CLEAR

===== BEGIN SEARCH OF SUPPLEMENTARY DTV DATABASE CAUCUS.DTV =====
===== F=FCC DTV ASSIGNMENTS C=EASTERN WA CAUCUS RECOMMENDATIONS =====

KHQT06 LIC	SPOKANE WA BMLCT-860805KF		15 II	Origin:C	47-34-52 117-17-47	0.0	0.0	(0.0 223.7)
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===== END OF DTV SPACING STUDY FOR CHANNEL 15 =====

SEARCH PARAMETERS

TV Database Date: 970522

Channel: 39

Page 1

Latitude: 47 34 34

Longitude: 117 17 58

Zone: II

Safety Zone: 100 km

Job Title: KSPS CH 7

Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)
===== BEGIN SEARCH OF FCC TV DATABASE =====								
ALLOC	PULLMAN		24+	0.000	46-43-48	174.2	94.6	(24.1 96.6)
	WA -		II	0	117-10-24			SHORT
EFFECTIVE 11-30-87.								
NEW APP	PULLMAN		24+	1450.000	46-40-51	166.0	102.6	(24.1 96.6)
	WA BPCT-960129KE		II	272	116-58-26			CLEAR
NEW APP	PULLMAN		24+	5000.000	46-40-50	165.9	102.6	(24.1 96.6)
	WA BPCT-960404KY		II	290	116-58-20			CLEAR
ALLOC	GRAND FORKS		36-	0.000	49-02- 0	332.7	183.1	(24.1 96.6)
	BC -		II	0	118-27- 0			CLEAR
ADD	MERIDIAN		37Z	0.000	43-36-36	170.6	446.4	(24.1 96.6)
	ID -		II	0	116-23-36			CLEAR
ALTERNATE CHANNEL								
ALLOC	PUERTO PENASCO		37Z	0.000	31-18- 9	168.7	1835.3	(24.1 96.6)
	SO -		II	0	113-32-57			CLEAR
ALLOC	CIUDAD GUERRERO		37Z	0.000	26-46-45	139.6	2805.5	(24.1 96.6)
	TA -		III	0	99-20-22			CLEAR
ALLOC	CASTLEGAR		41Z	0.000	49-19- 0	352.2	195.4	(24.1 96.6)
	BC -		II	0	117-40- 0			CLEAR
===== BEGIN SEARCH OF SUPPLEMENTARY DTV DATABASE CAUCUS.DTV =====								
===== F=FCC DTV ASSIGNMENTS C=EASTERN WA CAUCUS RECOMMENDATIONS =====								
KSKN22 APP	SPOKANE		38	Origin:F	47-35-42	2.8	2.1	(32.2 88.5)
	WA BMPCT-950714KE		II		117-17-53			CLEAR
KSPS07 LIC	SPOKANE		39	Origin:F	47-34-34	0.0	0.0	(0.0 223.7)
	WA BLET-378		II		117-17-58			
===== END OF DTV SPACING STUDY FOR CHANNEL 39 =====								

SEARCH PARAMETERS

TV Database Date: 970522

Channel: 36

Page 1

Latitude: 47 35 42

Longitude: 117 17 53

Zone: II

Safety Zone: 100 km

Job Title: KSKN CH 22

Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)	
===== BEGIN SEARCH OF FCC TV DATABASE =====									
KSKN LIC	SPOKANE WA	BLCT-830829KN	22Z II	1410.000 597	47-35-42 117-17-53	0.0	0.0	(24.1 96.6) CLEAR	
KSKN CP	SPOKANE WA	BPCT-940920KF	22Z II	832.000 429	47-36- 4 117-17-53	358.3	0.7	(24.1 96.6) CLEAR	
KSKN APP	SPOKANE WA	BMPCT-950714KE	22Z II	5000.000 597	47-35-42 117-17-53	0.0	0.0	(24.1 96.6) CLEAR	
KAYUTV LIC	SPOKANE WA	BLCT-941220KF	28- II	2400.000 601	47-34-44 117-17-46	175.3	1.8	(24.1 96.6) CLEAR	
ALLOC	SPOKANE WA	-	34- II	0.000 0	47-40-18 117-24-18	316.8	11.7	(24.1 96.6) CLEAR	
NEW APP	SPOKANE WA	BPCT-960405L1	34- II	64.600 410	47-36- 4 117-17-53	358.3	0.7	(24.1 96.6) CLEAR	
NEW APP	SPOKANE WA	BPCT-960405XA	34- II	10.000 357	47-36- 4 117-17-53	358.3	0.7	(24.1 96.6) CLEAR	
NEW APP	SPOKANE WA	BPCT-960405XI	34- II	200.000 355	47-48-48 117-30-41	326.8	29.1	(24.1 96.6) SHORT	
Directional Antenna									
NEW APP	SPOKANE WA	BPCT-960405LQ	34- II	17.000 178	47-41-40 117-20- 3	346.3	11.4	(24.1 96.6) CLEAR	
NEW APP	SPOKANE WA	BPCT-960405XQ	34- II	1480.000 347	47-48-48 117-30-41	326.8	29.1	(24.1 96.6) SHORT	
NEW APP	SPOKANE WA	BPCT-960405KZ	34- II	5000.000 407	47-36- 4 117-17-53	358.3	0.7	(24.1 96.6) CLEAR	
NEW APP	SPOKANE WA	BPCT-9604051L	34- II	11.000 575	47-34-44 117-17-46	175.3	1.8	(24.1 96.6) CLEAR	
Directional Antenna									
DA TABULATIONS UNAVAILABLE.									
NEW APP	SPOKANE WA	BPCT-960404KH	34- II	5000.000 196	47-41-41 117-20- 1	346.5	11.4	(24.1 96.6) CLEAR	

SEARCH PARAMETERS

TV Database Date: 970522

Channel: 36

Page 2

Latitude: 47 35 42

Longitude: 117 17 53

Zone: II

Safety Zone: 100 km

Job Title: KSKN CH 22

Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)
NEW APP	SPOKANE WA	BPCT-960111KM	34- II	10.000 580	47-34-44 117-17-46	175.3	1.8	(24.1 96.6) CLEAR
NEW APP	SPOKANE WA	BPCT-960405XP	34- II	3470.000 255	47-48-26 117-27-15	333.7	26.3	(24.1 96.6) SHORT
NEW APP	SPOKANE WA	BPCT-960405LU	34- II	1860.000 351	47-48-48 117-30-41	326.8	29.1	(24.1 96.6) SHORT
NEW APP	SPOKANE WA	BPCT-960404LG	34- II	1450.000 575	47-34-44 117-17-46	175.3	1.8	(24.1 96.6) CLEAR
NEW APP	SPOKANE WA	BPCT-960405XH	34- II	5000.000 561	47-36- 4 117-17-53	358.3	0.7	(24.1 96.6) CLEAR
ALLOC	GRAND FORKS BC	-	36- II	0.000 0	49-02- 0 118-27- 0	332.4	181.3	(0.0 244.6) SEE STUDY IN REPORT
ADD	MERIDIAN ID	-	37Z II	0.000 0	43-36-36 116-23-36	170.6	448.5	(9.7 88.5) CLEAR
ALTERNATE CHANNEL								
ALLOC	PUERTO PENASCO SO	-	37Z II	0.000 0	31-18- 9 113-32-57	168.7	1837.4	(9.7 88.5) CLEAR
ALLOC	CIUDAD GUERRERO TA	-	37Z III	0.000 0	26-46-45 99-20-22	139.6	2807.0	(9.7 88.5) CLEAR
ALLOC	CRESTON BC	-	44+ II	0.000 0	49-06- 0 116-31- 0	18.7	177.1	(24.1 96.6) CLEAR

===== BEGIN SEARCH OF SUPPLEMENTARY DTV DATABASE CAUCUS.DTV =====

===== F=FCC DTV ASSIGNMENTS C=EASTERN WA CAUCUS RECOMMENDATIONS =====

KUID12 LIC	MOSCOW ID	BLET-911223KF	35 II	Origin:C	46-40-54 116-58-13	166.2	104.5	(32.2 88.5) CLEAR
KTMF23 LIC	MISSOULA MT	BLCT-901227KE	36 II	Origin:F	47- 1-10 114- 0-46	103.3	256.5	(0.0 223.7) CLEAR
KSKN22 CP	SPOKANE WA	BPCT-940920KF	36 II	Origin:C	47-36- 4 117-17-53	358.3	0.7	(0.0 223.7)

===== END OF DTV SPACING STUDY FOR CHANNEL 36 =====

SEARCH PARAMETERS

TV Database Date: 970522

Page 1

Channel: 45
 Latitude: 47 43 54
 Longitude: 116 43 47
 Zone: II
 Safety Zone: 100 km
 Job Title: KCDT CH 26
 Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)	
===== BEGIN SEARCH OF FCC TV DATABASE =====									
ALLOC	WARFIELD		30Z	0.000	49-06- 0	334.0	169.9	(24.1 96.6)	
	BC -		II	0	117-45- 0			CLEAR	
ADD	MERIDIAN		37Z	0.000	43-36-36	176.6	458.8	(24.1 96.6)	
	ID -		II	0	116-23-36			CLEAR	
ALTERNATE CHANNEL									
ALLOC	PUERTO PENASCO		37Z	0.000	31-18- 9	170.5	1844.4	(24.1 96.6)	
	SO -		II	0	113-32-57			CLEAR	
ALLOC	CIUDAD GUERRERO		37Z	0.000	26-46-45	140.8	2790.6	(24.1 96.6)	
	TA -		III	0	99-20-22			CLEAR	
ALLOC	CASTLEGAR		41Z	0.000	49-19- 0	339.0	189.4	(24.1 96.6)	
	BC -		II	0	117-40- 0			CLEAR	
ALLOC	CRESTON		44+	0.000	49-06- 0	5.8	153.0	(9.7 88.5)	
	BC -		II	0	116-31- 0			CLEAR	
ADD	CHENEY		45-	0.000	47-29-30	247.5	68.9	(0.0 244.6)	
	WA -		II	0	117-34-30			SHORT	
ALLOC	KELOWNA		45Z	0.000	49-53- 0	320.9	313.3	(0.0 244.6)	
	BC -		II	0	119-29- 0			CLEAR	
ALLOC	ROSSLAND		52Z	0.000	49-05- 0	332.7	169.9	(24.1 96.6)	
	BC -		II	0	117-48- 0			CLEAR	

===== BEGIN SEARCH OF SUPPLEMENTARY DTV DATABASE CAUCUS.DTV =====
 ===== F=FCC DTV ASSIGNMENTS C=EASTERN WA CAUCUS RECOMMENDATIONS =====

===== END OF DTV SPACING STUDY FOR CHANNEL 45 =====

SEARCH PARAMETERS

TV Database Date: 970522

Channel: 30

Page 1

Latitude: 47 34 44

Longitude: 117 17 46

Zone: II

Safety Zone: 100 km

Job Title: KAYU CH 28

Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)	
===== BEGIN SEARCH OF FCC TV DATABASE =====									
ALLOC	SANDPOINT	ID -	*16+ II	0.000 0	48-16-43 116-18-36	43.0	107.2	(24.1	96.6) CLEAR
KSKN LIC	SPOKANE	WA BLCT-830829KN	22Z II	1410.000 597	47-35-42 117-17-53	355.3	1.8	(24.1	96.6) CLEAR
KSKN CP	SPOKANE	WA BPCT-940920KF	22Z II	832.000 429	47-36- 4 117-17-53	356.6	2.5	(24.1	96.6) CLEAR
KSKN APP	SPOKANE	WA BMPCT-950714KE	22Z II	5000.000 597	47-35-42 117-17-53	355.3	1.8	(24.1	96.6) CLEAR
KCDT LIC	COEUR D'ALENE	ID BLET-920930KE	*26+ II	12.300 465	47-43-54 116-43-47	68.0	45.8	(24.1	96.6) SEE STUDY IN REPORT
KAYUTV LIC	SPOKANE	WA BLCT-941220KF	28- II	2400.000 601	47-34-44 117-17-46	0.0	0.0	(24.1	96.6) CLEAR
ALLOC	WARFIELD	BC -	30Z II	0.000 0	49-06- 0 117-45- 0	349.0	172.5	(0.0	244.6) SEE STUDY IN REPORT
ALLOC	SPOKANE	WA -	34- II	0.000 0	47-40-18 117-24-18	321.7	13.2	(24.1	96.6) CLEAR
NEW APP	SPOKANE	WA BPCT-960405L1	34- II	64.600 410	47-36- 4 117-17-53	356.6	2.5	(24.1	96.6) CLEAR
NEW APP	SPOKANE	WA BPCT-960405XA	34- II	10.000 357	47-36- 4 117-17-53	356.6	2.5	(24.1	96.6) CLEAR
NEW APP	SPOKANE	WA BPCT-960405XI Directional Antenna	34- II	200.000 355	47-48-48 117-30-41	328.4	30.7	(24.1	96.6) SHORT
NEW APP	SPOKANE	WA BPCT-960405LQ	34- II	17.000 178	47-41-40 117-20- 3	347.5	13.2	(24.1	96.6) CLEAR
NEW APP	SPOKANE	WA BPCT-960405XQ	34- II	1480.000 347	47-48-48 117-30-41	328.4	30.7	(24.1	96.6) SHORT
NEW APP	SPOKANE	WA BPCT-960405KZ	34- II	5000.000 407	47-36- 4 117-17-53	356.6	2.5	(24.1	96.6) CLEAR

SEARCH PARAMETERS

TV Database Date: 970522

Channel: 30

Page 2

Latitude: 47 34 44

Longitude: 117 17 46

Zone: II

Safety Zone: 100 km

Job Title: KAYU CH 28

Reference: Sixth R&O in MM DOC 87-268

Call Status	City St	FCC File No.	Chan Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear deg-T	Dist (km)	Not Allowed Between (km)
NEW APP	SPOKANE WA	BPCT-9604051L	34- II	11.000 575	47-34-44 117-17-46	0.0	0.0	(24.1 96.6) CLEAR
Directional Antenna DA TABULATIONS UNAVAILABLE.								
NEW APP	SPOKANE WA	BPCT-960404KH	34- II	5000.000 196	47-41-41 117-20- 1	347.7	13.2	(24.1 96.6) CLEAR
NEW APP	SPOKANE WA	BPCT-960111KM	34- II	10.000 580	47-34-44 117-17-46	0.0	0.0	(24.1 96.6) CLEAR
NEW APP	SPOKANE WA	BPCT-960405XP	34- II	3470.000 255	47-48-26 117-27-15	335.1	28.0	(24.1 96.6) SHORT
NEW APP	SPOKANE WA	BPCT-960405LU	34- II	1860.000 351	47-48-48 117-30-41	328.4	30.7	(24.1 96.6) SHORT
NEW APP	SPOKANE WA	BPCT-960404LG	34- II	1450.000 575	47-34-44 117-17-46	0.0	0.0	(24.1 96.6) CLEAR
NEW APP	SPOKANE WA	BPCT-960405XH	34- II	5000.000 561	47-36- 4 117-17-53	356.6	2.5	(24.1 96.6) CLEAR
ADD	MERIDIAN ID -		37Z II	0.000 0	43-36-36 116-23-36	170.6	446.7	(24.1 96.6) CLEAR
ALTERNATE CHANNEL								
ALLOC	PUERTO PENASCO SO -		37Z II	0.000 0	31-18- 9 113-32-57	168.7	1835.6	(24.1 96.6) CLEAR
ALLOC	CIUDAD GUERRERO TA -		37Z III	0.000 0	26-46-45 99-20-22	139.6	2805.6	(24.1 96.6) CLEAR

===== BEGIN SEARCH OF SUPPLEMENTARY DTV DATABASE CAUCUS.DTV =====

===== F=FCC DTV ASSIGNMENTS C=EASTERN WA CAUCUS RECOMMENDATIONS =====

KAYU28 LIC	SPOKANE WA	BLCT-941220KF	30 II	Origin:C	47-34-44 117-17-46	0.0	0.0	(0.0 223.7)
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===== END OF DTV SPACING STUDY FOR CHANNEL 30 =====