



**KUID-TV - MOSCOW, IDAHO**  
**MARCH 2024**  
**APPENDIX B**  
**78 kW - Channel 12**  
**Longley-Rice Interference Analysis**

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: KUIDZ 12 BLEDT20060804AFK, Model: Longley-Rice  
Start: 2024.03.06 13:31:26

Study created: 2024.03.06 13:31:26

Study build station data: LMS TV 2024-03-04 #491

Proposal: KUID-TV D12 DT LIC MOSCOW, ID  
File number: BLEDT20060804AFK  
Facility ID: 62382  
Station data: LMS TV 2024-03-04 #491  
Record ID: bfd936911dd349f89594cf6212b6c0ea  
Country: U.S.  
Zone: II

Build options:  
Protect pre-transition records not on baseline channel

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KUFM-TV	D11	DT	LIC	MISSOULA, MT	BLEDT20101008ACD	228.7 km
Yes	KFFX-TV	D11	DT	LIC	PENDLETON, OR	BLCDT20140424AHO	132.3
Yes	KTVH-DT	D12	DT	LIC	HELENA, MT	BLANK0000001181	401.3
No	KPTV	D12	DT	LIC	PORTLAND, OR	BLANK0000107781	463.5
Yes	KECI-TV	D13	DT	LIC	MISSOULA, MT	BLCDT20100701BOM	227.9
Yes	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	163.5
Yes	KXLY-TV	D13	DT	LIC	SPOKANE, WA	BLANK0000217325	138.2
Yes	KXLY-TV	D13	DT	APP	SPOKANE, WA	BMPCDT20100819ABL	138.2
No	CISA-TV-3	D12	DC	LIC	COLEMAN, AB	BLANKCANLP10	370.3
No	CISA-TV-4	D12	DC	LIC	WATERTON PARK, AB	BLANKCANLP17	349.3
No	CKTN-TV-4	D12	DC	LIC	CRESTON, BC	BLANKCANLP88	271.3
Yes	CKKM-TV	D12	DT	LIC	OLIVEROSOYOS, BC	BLANKCANADA71	339.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12  
Latitude: 46 40 54.00 N (NAD83)  
Longitude: 116 58 17.00 W  
Height AMSL: 1186.0 m  
HAAT: 339.7 m  
Peak ERP: 78.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 0.50

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36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	78.0 kW	337.7 m	112.3 km
45.0	78.0	305.0	109.7
90.0	78.0	362.8	114.3
135.0	78.0	319.5	110.8
180.0	78.0	320.2	110.9
225.0	78.0	320.8	110.9
270.0	78.0	408.7	118.5
315.0	78.0	395.6	117.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 340 m    Computed HAAT: 346 m

\*\*Proposal is within coordination distance of Canadian border  
Distance to Canadian border: 257.6 km

Distance to Mexican border: 1562.9 km

Conditions at FCC monitoring station: Ferndale WA  
Bearing: 303.3 degrees    Distance: 487.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 123.3 degrees    Distance: 1190.2 km

Study cell size: 2.00 km  
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLCDT20140424AHO LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance				
	KFFX-TV	D11	DT	LIC	PENDLETON, OR	BLCDT20140424AHO					
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	132.3 km				
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	132.3				
	KWSU-TV	D10	DT	LIC	PULLMAN, WA	BLANK0000001648	140.5				
	KOAB-TV	D11	DT	LIC	BEND, OR	BLEDT20060823AAP	318.9				
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX			
40616.4		409,952		36219.2		403,692		35901.7			
				403,523		35909.7		403,523			
								-0.02			
								0.00			
Undesired				Total IX	Unique IX, before	Unique IX, after					
KUID-TV D12 DT BL				180.8	137	80.3	113				
KUID-TV D12 DT LIC				172.7	137	72.3	113				
KWSU-TV D10 DT LIC				148.6	56	48.2	32				
KOAB-TV D11 DT LIC				88.6	0	88.6	0				

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Interference to BLCDT20140424AHO LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KFFX-TV	D11	DT	LIC	PENDLETON, OR	BLCDT20140424AHO	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	132.3 km
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	132.3
	KWSU-TV	D10	DT	CP	PULLMAN, WA	BLANK00000035683	140.5
	KOAB-TV	D11	DT	LIC	BEND, OR	BLEDT20060823AAP	318.9

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Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
40616.4 409,952	36219.2 403,692	35893.6 403,523	35901.7 403,523	-0.02 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
KUID-TV D12 DT BL	180.8 137	52.2 6		
KUID-TV D12 DT LIC	172.7 137		44.1 6	
KWSU-TV D10 DT CP	184.8 163	56.2 32	56.2 32	
KOAB-TV D11 DT LIC	88.6 0	88.6 0	88.6 0	

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Interference to BLANK0000001181 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KTVH-DT	D12	DT	LIC	HELENA, MT	BLANK0000001181	
Undesireds: KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	401.3 km
KUID-TV	D12	DT	LIC	MOSCOW, ID	BLDT20060804AFK	401.3
KBZK	D13	DD	LIC	BOZEMAN, MT	BLANK0000151565	136.2
KECI-TV	D13	DT	LIC	MISSOULA, MT	BLCDT20100701BOM	176.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
43631.9 228,832	35749.9 184,264	35173.7 179,923	35169.7 179,923	0.01 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
KUID-TV D12 DT LIC	4.0 0		4.0 0	
KBZK D13 DD LIC	568.1 4,341	568.1 4,341	568.1 4,341	
KECI-TV D13 DT LIC	8.0 0	8.0 0	8.0 0	

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Interference to BLANK0000001181 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KTVH-DT	D12	DT	LIC	HELENA, MT	BLANK0000001181	
Undesireds: KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	401.3 km
KUID-TV	D12	DT	LIC	MOSCOW, ID	BLDT20060804AFK	401.3
KBZK	D13	DT	LIC	BOZEMAN, MT	BLCDT20050825AAQ	143.2
KECI-TV	D13	DT	LIC	MISSOULA, MT	BLCDT20100701BOM	176.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
43631.9 228,832	35749.9 184,264	35410.7 180,107	35406.7 180,107	0.01 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
KUID-TV D12 DT LIC	4.0 0		4.0 0	
KBZK D13 DT LIC	331.1 4,157	331.1 4,157	331.1 4,157	
KECI-TV D13 DT LIC	8.0 0	8.0 0	8.0 0	

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Interference to BLCDT20100701BOM LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KECI-TV	D13	DT	LIC	MISSOULA, MT	BLCDT20100701BOM	
Undesireds: KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	227.9 km
KUID-TV	D12	DT	LIC	MOSCOW, ID	BLDT20060804AFK	227.9
KBZK	D13	DD	LIC	BOZEMAN, MT	BLANK0000151565	260.6
KTVR	D13	DT	LIC	LA GRANDE, OR	BLDT20090619AAD	343.5
KXLY-TV	D13	DT	LIC	SPOKANE, WA	BLANK0000217325	253.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
48497.8 235,954	40664.3 198,938	40114.8 198,442	40114.8 198,442	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
KUID-TV D12 DT LIC	4.0 0		0.0 0	
KBZK D13 DD LIC	48.4 14	44.4 14	44.4 14	
KTVR D13 DT LIC	20.0 0	12.0 0	12.0 0	
KXLY-TV D13 DT LIC	493.1 482	481.1 482	477.1 482	

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Interference to BLCDT20100701BOM LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KECI-TV	D13	DT	LIC	MISSOULA, MT	BLCDT20100701BOM	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	227.9 km
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	227.9
	KBZK	D13	DD	LIC	BOZEMAN, MT	BLANK0000151565	260.6
	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	343.5
	KXLY-TV	D13	DT	APP	SPOKANE, WA	BMPCDT20100819ABL	253.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
48497.8	235,954	40664.3	198,938	40066.6	198,438	40066.6 198,438	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KUID-TV D12 DT LIC	4.0	0			0.0	0	
KBZK D13 DD LIC	48.4	14	44.4	14	44.4	14	
KTVR D13 DT LIC	20.0	0	12.0	0	12.0	0	
KXLY-TV D13 DT APP	541.3	486	529.3	486	525.3	486	

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Interference to BLCDT20100701BOM LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KECI-TV	D13	DT	LIC	MISSOULA, MT	BLCDT20100701BOM	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	227.9 km
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	227.9
	KBZK	D13	DT	LIC	BOZEMAN, MT	BLCDT20050825AAQ	283.9
	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	343.5
	KXLY-TV	D13	DT	LIC	SPOKANE, WA	BLANK0000217325	253.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
48497.8	235,954	40664.3	198,938	40106.9	198,442	40106.9 198,442	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KUID-TV D12 DT LIC	4.0	0			0.0	0	
KBZK D13 DT LIC	52.3	14	52.3	14	52.3	14	
KTVR D13 DT LIC	20.0	0	12.0	0	12.0	0	
KXLY-TV D13 DT LIC	493.1	482	485.1	482	481.1	482	

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Interference to BLCDT20100701BOM LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KECI-TV	D13	DT	LIC	MISSOULA, MT	BLCDT20100701BOM	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	227.9 km
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	227.9
	KBZK	D13	DT	LIC	BOZEMAN, MT	BLCDT20050825AAQ	283.9
	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	343.5
	KXLY-TV	D13	DT	APP	SPOKANE, WA	BMPCDT20100819ABL	253.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
48497.8	235,954	40664.3	198,938	40058.7	198,438	40058.7 198,438	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KUID-TV D12 DT LIC	4.0	0			0.0	0	
KBZK D13 DT LIC	52.3	14	52.3	14	52.3	14	
KTVR D13 DT LIC	20.0	0	12.0	0	12.0	0	
KXLY-TV D13 DT APP	541.3	486	533.3	486	529.3	486	

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Interference to BLEDT20090619AAD LIC scenario 1

**Appendix B - Interference Analysis**  
**KUID-TV - Moscow, Idaho**  
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	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	163.5 km
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	163.5
	KTRV-TV	D13	DT	LIC	NAMPA, ID	BLCDT20050516ATS	215.9
	KXLY-TV	D13	DT	LIC	SPOKANE, WA	BLANK0000217325	294.2

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39915.1	147,808	30074.5	54,480	28122.2 51,481	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KUID-TV D12 DT BL	27.8	0	7.9
KUID-TV D12 DT LIC	27.8	0	7.9
KTRV-TV D13 DT LIC	960.6	59	952.7
KXLY-TV D13 DT LIC	991.7	2,940	963.9

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Interference to BLEDT20090619AAD LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	163.5 km
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	163.5
	KTRV-TV	D13	DT	LIC	NAMPA, ID	BLCDT20050516ATS	215.9
	KXLY-TV	D13	DT	APP	SPOKANE, WA	BMPCDT20100819ABL	294.2

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39915.1	147,808	30074.5	54,480	27942.6 51,339	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KUID-TV D12 DT BL	27.8	0	7.9
KUID-TV D12 DT LIC	27.8	0	7.9
KTRV-TV D13 DT LIC	960.6	59	952.7
KXLY-TV D13 DT APP	1171.3	3,082	1143.5

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Interference to BLANK0000217325 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance				
Desired:	KXLY-TV	D13	DT	LIC	SPOKANE, WA	BLANK0000217325					
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	138.3 km				
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	138.2				
	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	294.2				
	CKTN-TV-4	D12	DC	LIC	CRESTON, BC	BLANKCANLP88	140.7				
	Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX			
55723.0	845,890	49184.0		771,661		48629.1	759,949	48637.1	759,962	-0.02	-0.00
1122.4	3,863	812.0		1,040		800.0	1,040	800.0	1,040	0.00	0.00 (in
Canada)											

Undesired	Total IX	Unique IX, before	Unique IX, after
KUID-TV D12 DT BL	335.0	9,960	307.0
KUID-TV D12 DT LIC	327.0	9,947	299.0
KTVR D13 DT LIC	87.8	68	59.9
CKTN-TV-4 D12 DC LIC	160.1	1,707	160.1
CKTN-TV-4 D12 DC LIC	11.9	0	11.9

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Interference to BMPCDT20100819ABL APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXLY-TV	D13	DT	APP	SPOKANE, WA	BMPCDT20100819ABL	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	138.3 km

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**KUID-TV - Moscow, Idaho**  
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KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	138.2
KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	294.2
CKTN-TV-4	D12	DC	LIC	CRESTON, BC	BLANKCANLP88	140.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX					
58254.9	853,543	51476.0	778,533	50912.9	765,552	50920.8	765,566	-0.02	-0.00
1571.9	20,093	1181.8	14,793	1157.9	14,793	1157.9	14,793	0.00	0.00 (in Canada)

Undesired	Total IX	Unique IX, before	Unique IX, after	
KUID-TV D12 DT BL	363.0	10,336	331.1	10,304
KUID-TV D12 DT LIC	355.1	10,322	323.1	10,290
KTVR D13 DT LIC	79.9	65	48.0	33
CKTN-TV-4 D12 DC LIC	152.1	2,612	152.1	2,612
CKTN-TV-4 D12 DC LIC	23.9	0	23.9	0 (in Canada)

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Interference to BLANKCANADA71 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	CKKM-TV	D12	DT	LIC	OLIVEROSOYOS, BC	BLANKCANADA71	
Undesireds:	KUID-TV	D12	DT	BL	MOSCOW, ID	DTVBL62382	339.0 km
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	339.0
	CHNJ-TV-1	D11	DC	LIC	APEX MOUNTAIN, BC	BLANKCANLP22	30.3
	CH4293	D12	DC	LIC	ALLISON CREEK, BC	BLANKCANLP20	66.5
	CHBC-TV-9	D13	DC	LIC	APEX MOUNTAIN, BC	BLANKCANLP23	30.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX					
11717.6	36,044	7689.4	18,785	7653.2	18,719	7653.2	18,719	0.00	0.00 (in U.S.)
17315.1	255,609	10998.2	72,961	10615.7	72,961	10615.7	72,961	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after	
KUID-TV D12 DT BL	32.2	66	32.2	66 (in U.S.)
KUID-TV D12 DT LIC	32.2	66	32.2	66 (in U.S.)
KUID-TV D12 DT BL	4.0	0	4.0	0
KUID-TV D12 DT LIC	4.0	0	4.0	0
CHNJ-TV-1 D11 DC LIC	4.0	0	4.0	0 (in U.S.)
CHNJ-TV-1 D11 DC LIC	293.9	0	0.0	0
CH4293 D12 DC LIC	133.0	0	20.2	0
CHBC-TV-9 D13 DC LIC	354.3	0	56.3	0

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Interference to proposal scenario 1  
8.53% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	
Undesireds:	KFFX-TV	D11	DT	LIC	PENDLETON, OR	BLCDT20140424AHO	132.3 km
	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	163.5
	KXLY-TV	D13	DT	LIC	SPOKANE, WA	BLANK0000217325	138.2

Service area	Terrain-limited	IX-free	Percent IX				
40215.6	432,855	36156.8	284,023	35522.7	259,799	1.75	8.53
Undesired	Total IX	Unique IX	Prcnt Unique IX				
KFFX-TV D11 DT LIC	95.5	2	87.5	2	0.24	0.00	
KTVR D13 DT LIC	31.8	0	23.9	0	0.07	0.00	
KXLY-TV D13 DT LIC	514.8	24,222	514.8	24,222	1.42	8.53	

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Interference to proposal scenario 2  
\*\*MX: 8.92% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
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**Appendix B - Interference Analysis**  
**KUID-TV - Moscow, Idaho**  
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Desired:	KUID-TV	D12	DT	LIC	MOSCOW, ID	BLEDT20060804AFK	
Undesireds:	KFFX-TV	D11	DT	LIC	PENDLETON, OR	BLCDT20140424AHO	132.3 km
	KTVR	D13	DT	LIC	LA GRANDE, OR	BLEDT20090619AAD	163.5
	KXLY-TV	D13	DT	APP	SPOKANE, WA	BMPCDT20100819ABL	138.2

  

	Service area		Terrain-limited		IX-free		Percent IX
40215.6	432,855	36156.8	284,023	35466.3	258,701	1.91	8.92

  

Undesired			Total IX		Unique IX	Prcnt Unique IX	
KFFX-TV D11 DT LIC		95.5	2	87.5	2	0.24	0.00
KTVR D13 DT LIC		31.8	0	23.9	0	0.07	0.00
KXLY-TV D13 DT APP		571.1	25,320	571.1	25,320	1.58	8.91