

1990 Census data selected
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-18-2006 Time: 11:41:29

Record Selected for Analysis

K10LS USERRECORD-01 LEMON, ETC. AK US
Channel 02 ERP 0.01 kW HAAT 30. m RCAMSL 00023 m STRINGENT MASK
Latitude 058-20-41 Longitude 0134-31-46
Status APP Zone 2 Border
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 5.
Last update Cutoff date Docket
Comments
Applicant

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)	43.0 dBu F(50,90) (km)
0.0	0.010	33.0	8.8
45.0	0.003	33.0	6.7
90.0	0.000	33.0	2.8
135.0	0.000	33.0	2.8
180.0	0.000	33.0	2.8
225.0	0.000	33.0	2.8
270.0	0.000	33.0	2.8
315.0	0.002	33.0	5.7

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 within the Canadian coordination distance
Distance to border = 56.5km

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
02	K10LS	LEMON, ETC. AK	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02JI	ANGOON AK	93.7	LIC	BLTTV	-19870831IG
02	K02ML	GRAVINA ISLAND, ETC. AK	374.3	LIC	BLTTV	-19861008IO
02	K02LW	GUSTAVUS AK	69.2	LIC	BLTVL	-19840110IA
02	K02JW	HYDABURG AK	363.9	LIC	BLTTV	-19800409IA
02	K02MJ	HYDER AK	382.9	CP MOD	BMP TTL	-19831104IA
02	K02MC	LABOUCHERE BAY AK	232.9	LIC	BLTTV	-19820916IY
02	K02MW	MOSQUITO LAKE AK	150.6	LIC	BLTTV	-19850409IA
02	KTNL-TV	SITKA AK	151.6	CP	BPCDT	-20011012AAE
02	K02ID	YAKUTAT AK	326.3	LIC	BLTTV	-19871228IE
03	K03FM	HAINES AK	109.9	LIC	BLTTV	-19800829IF
03	KTOO-TV	JUNEAU AK	7.9	LIC	BLET	-20041026AFZ
03	K03GJ	SITKA AK	151.8	LIC	BLTVL	-19841119IA

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	K02JI	ANGOON AK	BLTTV	-19870831IG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02LW	GUSTAVUS AK	121.5	LIC	BLTVL	-19840110IA
02	K02MC	LABOUCHERE BAY AK	145.0	LIC	BLTTV	-19820916IY
02	K02MW	MOSQUITO LAKE AK	233.0	LIC	BLTTV	-19850409IA
02	KTNL-DT	SITKA AK	67.5	PLN	DTVPLN	-DTVP0001
03	KTOO-TV	JUNEAU AK	89.3	LIC	BLET	-20041026AFZ
02	K10LS	LEMON, ETC. AK	93.7	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.
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02 K02ML GRAVINA ISLAND, ETC. AK BLTTV -19861008IO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02JW	HYDABURG AK	72.7	LIC	BLTTV	-19800409IA
02	K02MJ	HYDER AK	122.4	CP MOD	BMPTTL	-19831104IA
02	K02MC	LABOUCHERE BAY AK	160.2	LIC	BLTTV	-19820916IY
02	KTNL-DT	SITKA AK	293.3	PLN	DTVPLN	-DTVP0001
02	K10LS	LEMON, ETC. AK	374.3	APP	USERRECORD-01	

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.
02	K02LW	GUSTAVUS AK	BLTVL	-19840110IA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02JI	ANGOON AK	121.5	LIC	BLTTV	-19870831IG
02	K02MW	MOSQUITO LAKE AK	117.1	LIC	BLTTV	-19850409IA
02	KTNL-DT	SITKA AK	153.6	PLN	DTVPLN	-DTVP0001
03	KTOO-TV	JUNEAU AK	76.1	LIC	BLET	-20041026AFZ
02	K10LS	LEMON, ETC. AK	69.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	K02JW	HYDABURG AK	BLTTV	-19800409IA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02ML	GRAVINA ISLAND, ETC. AK	72.7	LIC	BLTTV	-19861008IO
02	K02MJ	HYDER AK	192.6	CP MOD	BMPTTL	-19831104IA
02	K02MC	LABOUCHERE BAY AK	132.2	LIC	BLTTV	-19820916IY
02	KTNL-DT	SITKA AK	257.3	PLN	DTVPLN	-DTVP0001
02	K10LS	LEMON, ETC. AK	363.9	APP	USERRECORD-01	

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.
02	K02MJ	HYDER AK	BMPTTL -19831104IA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	K02ML	GRAVINA ISLAND, ETC. AK	122.4	LIC	BLTTV -19861008IO
02	K02JW	HYDABURG AK	192.6	LIC	BLTTV -19800409IA
02	K02MC	LABOUCHERE BAY AK	227.4	LIC	BLTTV -19820916IY
02	KTNL-DT	SITKA AK	349.4	PLN	DTVPLN -DTVP0001
02	K10LS	LEMON, ETC. AK	382.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	K02MC	LABOUCHERE BAY AK	BLTTV -19820916IY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	K02JI	ANGOON AK	145.0	LIC	BLTTV -19870831IG
02	K02ML	GRAVINA ISLAND, ETC. AK	160.2	LIC	BLTTV -19861008IO
02	K02JW	HYDABURG AK	132.2	LIC	BLTTV -19800409IA
02	K02MJ	HYDER AK	227.4	CP MOD	BMPTTL -19831104IA
02	KTNL-DT	SITKA AK	133.1	PLN	DTVPLN -DTVP0001
02	K10LS	LEMON, ETC. AK	232.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	K02MW	MOSQUITO LAKE AK	BLTTV -19850409IA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	K02JI	ANGOON AK	233.0	LIC	BLTTV -19870831IG
02	K02LW	GUSTAVUS AK	117.1	LIC	BLTVL -19840110IA
02	KTNL-DT	SITKA AK	270.7	PLN	DTVPLN -DTVP0001
02	K02ID	YAKUTAT AK	209.0	LIC	BLTTV -19871228IE

03 K03FM HAINES AK 43.2 LIC BLTTV -19800829IF
 02 K10LS LEMON, ETC. AK 150.6 APP USERRECORD-01
 Proposal causes no interference

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Analysis of Interference to Affected Station 8

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
02	KTNL-DT	SITKA AK	DTVPLN	-DTVP0001

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
03	KTOOTV	JUNEAU AK	149.2	PLN	DTVPLN	-NPLN0208

Results for: 2A AK SITKA DTVPLN DTVP0001 PLN

	POPULATION	AREA (sq km)
HAAT 33.0 m, ATV ERP 1.0 kW		
within Noise Limited Contour	8474	668.3
not affected by terrain losses	8474	668.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
13	KTNL	SITKA AK	DTVPLN	-NPLN0811

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
13	KNEB-DT	KETCHIKAN AK	295.0	PLN	DTVPLN	-DTVP0109

Results for: 13N AK SITKA DTVPLN NPLN0811 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	8474	439.6
not affected by terrain losses	8474	413.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	KTNL-TV	SITKA AK	BPCDT	-20011012AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
03	KTOO-TV	JUNEAU AK	149.2	LIC	BLET	-20041026AFZ
02	K10LS	LEMON, ETC. AK	151.6	APP	USERRECORD-01	

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.
02	K02ID	YAKUTAT AK	BLTTV	-19871228IE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02MW	MOSQUITO LAKE AK	209.0	LIC	BLTTV	-19850409IA
02	KTNL-DT	SITKA AK	377.5	PLN	DTVPLN	-DTVP0001
02	K10LS	LEMON, ETC. AK	326.3	APP	USERRECORD-01	

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.
03	K03FM	HAINES AK	BLTTV	-19800829IF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02MW	MOSQUITO LAKE AK	43.2	LIC	BLTTV	-19850409IA
03	KTOO-TV	JUNEAU AK	117.2	LIC	BLET	-20041026AFZ
03	K03GJ	SITKA AK	241.2	LIC	BLTVL	-19841119IA
04	K04KQ	KLUKWAN AK	33.2	LIC	BLTTL	-19811117KP
02	K10LS	LEMON, ETC. AK	109.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
03	KTOOTV	JUNEAU AK	DTVPLN	-NPLN0208

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KTNL-DT	SITKA AK	149.2	PLN	DTVPLN	-DTVP0001

Results for:	3N AK JUNEAU	DTVPLN	NPLN0208	PLN
		POPULATION	AREA (sq km)	
	within Noise Limited Contour	26650	2805.6	
	not affected by terrain losses	26626	2654.4	

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

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	KTOO-TV	JUNEAU AK	BLET	-20041026AFZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KTNL-DT	SITKA AK	149.2	PLN	DTVPLN	-DTVP0001
02	K10LS	LEMON, ETC. AK	7.9	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 11
Before Analysis

Results for:	3N AK JUNEAU	BLET	20041026AFZ	LIC
		POPULATION	AREA (sq km)	
	within Noise Limited Contour	25721	1282.5	
	not affected by terrain losses	25721	1201.0	
	lost to NTSC IX	0	0.0	
	lost to additional IX by ATV	0	0.0	
	lost to all IX	0	0.0	

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for:	3N AK JUNEAU	BLET	20041026AFZ	LIC
		POPULATION	AREA (sq km)	
	within Noise Limited Contour	25721	1282.5	
	not affected by terrain losses	25721	1201.0	
	lost to NTSC IX	0	0.0	
	lost to additional IX by ATV	5	2.0	
	lost to all IX	5	2.0	

Potential Interfering Stations Included in above Scenario 1

2A AK LEMON, ETC.	USERRECORD01	APP	
*Percent new DTV interference without proposal:	0.0	BLET	20041026AFZ
*Percent new DTV interference with proposal:	0.0	BLET	20041026AFZ

Result key: 2
Scenario 2 Affected station 11
Before Analysis

Results for:	3N AK JUNEAU	BLET	20041026AFZ	LIC
		POPULATION	AREA (sq km)	
	within Noise Limited Contour	25721	1282.5	
	not affected by terrain losses	25721	1201.0	

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

Potential Interfering Stations Included in above Scenario 2

After Analysis

Results for: 3N AK JUNEAU	BLET	20041026AFZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	25721	1282.5	
not affected by terrain losses	25721	1201.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	5	2.0	
lost to all IX	5	2.0	

Potential Interfering Stations Included in above Scenario 2

2A AK LEMON, ETC.	USERRECORD01	APP	
*Percent new DTV interference without proposal:	0.0	BLET	20041026AFZ
*Percent new DTV interference with proposal:	0.0	BLET	20041026AFZ

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	K03GJ	SITKA AK	BLTVL -19841119IA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KTNL-DT	SITKA AK	0.3	PLN	DTVPLN -DTVP0001
03	K03FM	HAINES AK	241.2	LIC	BLTTV -19800829IF
03	KTOO-TV	JUNEAU AK	149.4	LIC	BLET -20041026AFZ
02	K10LS	LEMON, ETC. AK	151.8	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	K10LS	LEMON, ETC. AK	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02JI	ANGOON AK	93.7	LIC	BLTTV	-19870831IG
02	K02LW	GUSTAVUS AK	69.2	LIC	BLTVL	-19840110IA
02	K02MW	MOSQUITO LAKE AK	150.6	LIC	BLTTV	-19850409IA
02	KTNL-DT	SITKA AK	151.6	PLN	DTVPLN	-DTVP0001
03	KTOO-TV	JUNEAU AK	7.9	LIC	BLET	-20041026AFZ

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 13
Before Analysis

Results for: 2A AK LEMON, ETC. USERRECORD01 APP
HAAT 30.0 m, ATV ERP 0.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	14304	75.4
not affected by terrain losses	14304	75.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

*Percent Service lost without proposal: 0.0 to USERRECORD01
*Percent Service lost with proposal: 0.0 to USERRECORD01

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