

## OET-69 Interference Analysis (KTVF-LD, Fairbanks, AK, Channel 11)

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
TW Census data selected 2000  
Data Base Selected  
/export/home/cdb/pt\_tvdb.sff

### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-29-2014

Record Selected for Analysis

KTVF USERRECORD-01 FAIRBANKS AK US  
Channel 11 ERP 1.85 kW HAAT 31. m RCAMSL 00165 m STRINGENT MASK  
Latitude 064-48-43 Longitude 0147-42-04  
Status APP Zone 2 Border Site number: 01  
Dir Antenna Make CDB Model 00000000111412 Beam tilt N Ref Azimuth 315.  
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  
Service Class = LD  
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	48.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	1.444	33.0	25.778
45.0	0.299	33.0	18.150
90.0	0.006	33.0	6.750
135.0	0.160	33.0	15.332
180.0	0.006	33.0	6.750
225.0	0.299	34.8	18.588
270.0	1.444	33.0	25.778
315.0	1.850	33.0	27.057

Database HAAT does not agree with computed HAAT  
Database HAAT: 31 Computed HAAT: 33

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Checks to Site Number 01

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 = 316.4km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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# OET-69 Interference Analysis (KTVF-LD, Fairbanks, AK, Channel 11)

## Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
11	KTVF	FAIRBANKS AK	USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	K10OB	DELTA JUNCTION AK	131.4	LIC	BLTVL -19961224JC
10	K10QW-D	HEALY AK	116.4	CP MOD	BMPDTV -20121005AAE
10	K10MI	MCKINLEY PARK AK	133.8	LIC	BLTTV -19850319IF
11	K11WN-D	ANCHORAGE AK	392.1	CP	BNPDVL -20090825BUT
11	K11RG	GAKONA AK	303.3	LIC	BLTVL -19820827IG
11	K11RJ	LAKE LOUISE, ETC. AK	310.2	LIC	BRTT -19830609IE
11	K11QV	PAXSON AK	225.3	LIC	BLTVL -19820916IH
11	K11RV	TELIDA AK	313.6	LIC	BLTTV -19850322IA

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### Analysis of Interference to Affected Station 1

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	K10OB	DELTA JUNCTION AK	BLTVL -19961224JC

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	KTUU-TV	ANCHORAGE AK	364.8	LIC	BLCDT -20090619ABI
11	KTVF	FAIRBANKS AK	131.4	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.
10	K10QW-D	HEALY AK	BMPDTV -20121005AAE

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	K09SI	CANTWELL AK	55.4	LIC	BLTVL -19821215IA
09	KUAC-TV	FAIRBANKS AK	124.7	LIC	BLEDT -20090929AJZ
10	KTUU-TV	ANCHORAGE AK	278.8	LIC	BLCDT -20090619ABI
10	K10MI	MCKINLEY PARK AK	17.9	LIC	BLTTV -19850319IF
11	KTVF	FAIRBANKS AK	116.4	APP	USERRECORD-01

Proposal causes no interference

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### Analysis of Interference to Affected Station 3

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	K10MI	MCKINLEY PARK AK	BLTTV -19850319IF

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	KTUU-TV	ANCHORAGE AK	260.9	LIC	BLCDT -20090619ABI
10	K10QW-D	HEALY AK	17.9	CP MOD	BMPDTV -20121005AAE
11	KTVF	FAIRBANKS AK	133.8	APP	USERRECORD-01

Proposed station is beyond the site to

## OET-69 Interference Analysis (KTVF-LD, Fairbanks, AK, Channel 11)

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.
11	K11WN-D	ANCHORAGE AK	BNPDVL -20090825BUT

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	KTUU-TV	ANCHORAGE AK	0.0	LIC	BLCDT -20090619ABI
10	K10MB	GIRDWOOD AK	66.3	CP	BDFCDTV -20120522AAI
11	NEW	KASILOF AK	136.2	APP	BNPDTV -20090909AAP
12	KYUR	ANCHORAGE AK	0.0	LIC	BLCDT -20090928AKO
12	K12MM-D	GIRDWOOD VALLEY AK	66.6	LIC	BLDTV -20120612ABH
11	KTVF	FAIRBANKS AK	392.1	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.
11	K11RG	GAKONA AK	BLTVL -19820827IG

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	K11RJ	LAKE LOUISE, ETC. AK	49.9	LIC	BRTT -19830609IE
11	K11QV	PAXSON AK	81.9	LIC	BLTVL -19820916IH
11	KTVF	FAIRBANKS AK	303.3	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.
11	K11RJ	LAKE LOUISE, ETC. AK	BRTT -19830609IE

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	K11RG	GAKONA AK	49.9	LIC	BLTVL -19820827IG
11	K11QV	PAXSON AK	108.6	LIC	BLTVL -19820916IH
11	KTVF	FAIRBANKS AK	310.2	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.
11	K11QV	PAXSON AK	BLTVL -19820916IH

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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11	K11RG	GAKONA AK	81.9	LIC	BLTVL	-19820827IG
11	K11RJ	LAKE LOUISE, ETC. AK	108.6	LIC	BRTT	-19830609IE
11	KTVF	FAIRBANKS AK	225.3	APP	USERRECORD-01	

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.
11	K11RV	TELIDA AK	BLTTV -19850322IA

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KTVF	FAIRBANKS AK	313.6	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.
11	KTVF	FAIRBANKS AK	USERRECORD-01

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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Total scenarios = 1

Result key: 1

Scenario 1 Affected station 9  
Before Analysis

Results for: 11A AK FAIRBANKS USERRECORD01 APP

HAAT 31.0 m, ATV ERP 1.9 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	59044	1153.9
not affected by terrain losses	59044	1135.2
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

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