

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: 12-28-2012

Record Selected for Analysis

KTVF-LD USERRECORD-01 FAIRBANKS AK US
Channel 11 ERP 0.25 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 00000000071680 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	0.195	33.0	16.2
45.0	0.040	33.0	11.1
90.0	0.001	33.0	4.1
135.0	0.022	33.0	9.5
180.0	0.001	33.0	4.1
225.0	0.040	34.8	11.3
270.0	0.195	33.0	16.2
315.0	0.250	33.0	17.3

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

Start of Interference Analysis

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

Channel	Proposed Station Call	City/State	ARN
11	KTVF-LD	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	K10QB-D	MANLEY HOT SPRINGS AK	141.8	CP	BDCCDTV	-20061030AHQ
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-LD	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	K10QB-D	MANLEY HOT SPRINGS AK	154.1	CP	BDCCDTV	-20061030AHQ
10	K10MI	MCKINLEY PARK AK	17.9	LIC	BLTTV	-19850319IF
11	KTVF-LD	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	K10QB-D	MANLEY HOT SPRINGS AK	BDCCDTV	-20061030AHQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	K09RD	RAMPART AK	58.4	LIC	BLTVL	-19811117JW
10	K10QW-D	HEALY AK	154.1	CP MOD	BMPDTV	-20121005AAE
11	KTVF-LD	FAIRBANKS AK	141.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

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

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-LD	FAIRBANKS AK	133.8	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

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-LD	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 6

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-LD	FAIRBANKS AK	303.3	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	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-LD	FAIRBANKS AK	310.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 8

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

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.
11	K11RG	GAKONA AK	81.9	LIC	BLTVL	-19820827IG
11	K11RJ	LAKE LOUISE, ETC. AK	108.6	LIC	BRTT	-19830609IE
11	KTVF-LD	FAIRBANKS AK	225.3	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	K11RV	TELIDA AK	BLTTV	-19850322IA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KTVF-LD	FAIRBANKS AK	313.6	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.
11	KTVF-LD	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 10

Before Analysis

Results for: 11A AK FAIRBANKS USERRECORD01 APP

HAAT	31.0 m, ATV ERP	0.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			53087	442.4
not affected by terrain losses			53033	439.5
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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