

## OET-69 Interference Analysis (K07NJ-D, Delta Junction, Etc., 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/cdbb/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-02-2014

Record Selected for Analysis

K07NJ-D USERRECORD-01 DELTA JUNCTION, ETC. AK US  
Channel 11 ERP 2.24 kW HAAT 283. m RCAMSL 00901 m STRINGENT MASK  
Latitude 063-47-18 Longitude 0145-51-35  
Status APP Zone 2 Border Site number: 01  
Dir Antenna Make usr Model CL-713 ARRAY Beam tilt N Ref Azimuth 20.  
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	1.452	403.7		63.274
45.0	1.102	351.9		58.207
90.0	0.000	243.6		7.306
135.0	0.000	88.0		4.824
180.0	0.002	205.9		13.023
225.0	0.002	292.7		14.787
270.0	0.000	296.9		7.939
315.0	0.000	378.0		9.034

Contour Overlap to Proposed Station

Station  
K100B 10 DELTA JUNCTION AK BLTVL19961224JC

Station inside contour of Digital LPTV station  
K07NJ-D 11 DELTA JUNCTION, ETC. AK USERRECORD01

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 = 238.4km

Proposed facility is beyond the Mexican coordination distance

## OET-69 Interference Analysis (K07NJ-D, Delta Junction, Etc., AK, Channel 11)

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
11	K07NJ-D	DELTA JUNCTION, ETC. AK	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	K10OB	DELTA JUNCTION AK	32.6	LIC	BLTVL	-19961224JC
10	K10QW-D	HEALY AK	145.8	CP MOD	BMPDTV	-20121005AAE
10	K10MI	MCKINLEY PARK AK	149.8	LIC	BLTTV	-19850319IF
11	K11WN-D	ANCHORAGE AK	333.4	CP	BNPDVL	-20090825BUT
11	K11WS-D	FAIRBANKS AK	140.1	CP	BNPDVL	-20090921ADL
11	KTVF	FAIRBANKS AK	144.3	LIC	BLCDT	-20130114ABO
11	K11RG	GAKONA AK	167.8	LIC	BLTVL	-19820827IG
11	K11RJ	LAKE LOUISE, ETC. AK	187.7	LIC	BRTT	-19830609IE
11	K11QV	PAXSON AK	86.1	LIC	BLTVL	-19820916IH
11	K11RV	TELIDA AK	369.2	LIC	BLTTV	-19850322IA
12	K12MO	COPPER CENTER AK	195.1	LIC	BLTVL	-19811117LY

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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	K07NJ-D	DELTA JUNCTION, ETC. AK	32.6	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	K07NJ-D	DELTA JUNCTION, ETC. AK	145.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

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

## OET-69 Interference Analysis (K07NJ-D, Delta Junction, Etc., AK, Channel 11)

### 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	K07NJ-D	DELTA JUNCTION, ETC. AK	149.8	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 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	K07NJ-D	DELTA JUNCTION, ETC. AK	333.4	APP	USERRECORD-01

Proposal causes no interference

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### Analysis of Interference to Affected Station 5

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	K11WS-D	FAIRBANKS AK	BNPDVL -20090921ADL

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	K11RJ	LAKE LOUISE, ETC. AK	114.0	LIC	BRTT -19830609IE
11	K07NJ-D	DELTA JUNCTION, ETC. AK	140.1	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	KTVF	FAIRBANKS AK	BLCDT -20130114ABO

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	K07NJ-D	DELTA JUNCTION, ETC. AK	144.3	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	K11RG	GAKONA AK	BLTVL -19820827IG

## OET-69 Interference Analysis (K07NJ-D, Delta Junction, Etc., AK, Channel 11)

### 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	K07NJ-D	DELTA JUNCTION, ETC. AK	167.8	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	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	K07NJ-D	DELTA JUNCTION, ETC. AK	187.7	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	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	K07NJ-D	DELTA JUNCTION, ETC. AK	86.1	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	K11RV	TELIDA AK	BLTTV	-19850322IA

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	K07NJ-D	DELTA JUNCTION, ETC. AK	369.2	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 11

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
12	K12MO	COPPER CENTER AK	BLTVL	-19811117LY

### Stations Potentially Affecting This Station

## OET-69 Interference Analysis (K07NJ-D, Delta Junction, Etc., AK, Channel 11)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KYUR	ANCHORAGE AK	244.1	LIC	BLCDT	-20090928AKO
12	K12NO	SHEEP MOUNTAIN AK	120.7	LIC	BLTVL	-19851216ID
11	K07NJ-D	DELTA JUNCTION, ETC. AK	195.1	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 12

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	K07NJ-D	DELTA JUNCTION, ETC. AK	USERRECORD-01	

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	K10OB	DELTA JUNCTION AK	32.6	LIC	BLTVL	-19961224JC
11	K11WS-D	FAIRBANKS AK	140.1	CP	BNPDVL	-20090921ADL
11	KTVF	FAIRBANKS AK	144.3	LIC	BLCDT	-20130114ABO
11	K11RJ	LAKE LOUISE, ETC. AK	187.7	LIC	BRTT	-19830609IE
11	K11QV	PAXSON AK	86.1	LIC	BLTVL	-19820916IH

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 12  
Before Analysis

Results for: 11A AK DELTA JUNCTION, ETC. USERRECORD01 APP  
HAAT 283.0 m, ATV ERP 2.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3553	3023.2
not affected by terrain losses	3553	2985.7
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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