

OET-69 Interference Analysis (K22EY-D, Fairbanks, AK, Channel 22)

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: 10-05-2015

Record Selected for Analysis

K22EY-D USERRECORD-01 FAIRBANKS AK US
Channel 22 ERP 15. kW HAAT 33. m RCAMSL 00172 m SIMPLE MASK
Latitude 064-48-43 Longitude 0147-42-04
Status APP Zone 2 Border Site number: 01
Dir Antenna Make CDB Model 00000000101525 Beam tilt N Ref Azimuth 0.
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	51.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	13.001	33.0	29.415	
45.0	14.333	33.0	29.859	
90.0	2.799	33.0	22.182	
135.0	0.089	33.0	9.557	
180.0	0.071	38.7	9.798	
225.0	0.089	41.8	10.735	
270.0	2.799	33.0	22.182	
315.0	14.333	33.0	29.859	

Database HAAT does not agree with computed HAAT

Database HAAT: 33 Computed HAAT: 35

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

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Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
22	K22EY-D	FAIRBANKS AK	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	DK54EW	FAIRBANKS AK	18.2	APP	BDISTTL	-20090821ACC
30	DK30ET	FAIRBANKS AK	18.2	LIC	BLTTL	-19960509JK

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	DK54EW	FAIRBANKS AK	BDISTTL	-20090821ACC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	KJNP-TV	NORTH POLE AK	0.1	LIC	BLCDT	-20100126AEF
26	KTVF	FAIRBANKS AK	0.1	LIC	BLCDT	-20090720ACS
22	K22EY-D	FAIRBANKS AK	18.2	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.
30	DK30ET	FAIRBANKS AK	BLTTL	-19960509JK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KTVF	FAIRBANKS AK	0.1	LIC	BLCDT	-20090720ACS
22	K22EY-D	FAIRBANKS AK	18.2	APP	USERRECORD-01	

Proposal causes no interference

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