

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-08-2005 Time: 13:07:50

Record Selected for Analysis

K11SE USERRECORD-01 BEND OR US
Channel 07 ERP 0.073 kW HAAT 314. m RCAMSL 01303 m
Latitude 044-04-41 Longitude 0121-19-57
Status APP Zone 2 Border Offset Z
Dir Antenna Make CDB Model 20786 Beam tilt N Ref Azimuth 130.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 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)	68.0 dBu F(50,50) (km)
0.0	0.066	313.7	11.9
45.0	0.066	286.1	11.3
90.0	0.067	247.1	10.5
135.0	0.071	157.8	8.7
180.0	0.073	89.1	6.6
225.0	0.073	33.0	4.1
270.0	0.073	33.0	4.1
315.0	0.068	216.5	9.9

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Contour overlap to station

KOAC-TV 7 CORVALLIS OR BLET 20020111AAG

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

K07PS 7 CHEMULT, ETC. OR BLTTV 19800424IC

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station

K07PS 7 CHEMULT, ETC. OR BLTTV19800424IC

causes Contour overlap to station

K11SE 7 BEND OR USERRECORD01

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 beyond the Canadian coordination distance

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
07	K11SE	BEND OR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	K07PS	CHEMULT, ETC. OR	91.2	LIC	BLTTV	-19800424IC
07	KOAC-TV	CORVALLIS OR	166.4	LIC	BLET	-20020111AAG

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	K07PS	CHEMULT, ETC. OR	BLTTV	-19800424IC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KRCR-TV	REDDING CA	310.1	LIC	BLCT	-1664
07	K07PP	CAMAS VALLEY OR	169.2	LIC	BLTTV	-19800610IE
07	K07KT	CANYONVILLE, ETC. OR	135.1	LIC	BLTTV	-3954
07	KOAC-TV	CORVALLIS OR	193.8	LIC	BLET	-20020111AAG
07	K07PU	KLAMATH FALLS, ETC. OR	118.7	LIC	BLTTV	-19840629IA
07	K07NR	LAKEVIEW, ETC. OR	166.7	LIC	BLTTV	-20040211ABI
07	K07JS	NORTH BEND OR	195.4	APP	BPTTV	-20050803ABZ
07	K07IA	OAKLAND OR	129.0	LIC	BLTTV	-1145
07	K07HS	WILLIAMS OR	180.8	LIC	BLTTV	-19800605IC
07	K07IL	WINSTON OR	139.3	LIC	BLTTV	-3153
07	K11SE	BEND OR	91.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
07	KOACTV	CORVALLIS OR	DTVPLN	-NPLN0497

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KIROTV	SEATTLE WA	340.1	PLN	DTVPLN	-NPLN0510
08	KSYS	MEDFORD OR	216.6	PLN	DTVPLN	-NPLN0559
08	KGW	PORTLAND OR	106.4	PLN	DTVPLN	-NPLN0560

Results for: 7N OR CORVALLIS DTVPLN NPLN0497 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1648645	31378.8
not affected by terrain losses	1246748	25114.3
lost to NTSC IX	233631	1348.4
lost to additional IX by ATV	0	0.0
lost to all IX	233631	1348.4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KOAC-TV	CORVALLIS OR	BLET	-20020111AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KIRO-TV	SEATTLE WA	340.1	LIC	BLCT	-2021
08	KSYS	MEDFORD OR	216.6	LIC	BLET	-19940912LI
08	KGW	PORTLAND OR	106.4	LIC	BMLCT	-20030902ABJ
07	K11SE	BEND OR	166.4	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.
07	K11SE	BEND OR	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	K07PS	CHEMULT, ETC. OR	91.2	LIC	BLTTV	-19800424IC
07	KOAC-TV	CORVALLIS OR	166.4	LIC	BLET	-20020111AAG

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for:	7N OR BEND	USERRECORD01	APP
		POPULATION	AREA (sq km)
within Noise Limited Contour		56186	252.3
not affected by terrain losses		56186	252.3
lost to NTSC IX		186	4.0
lost to additional IX by ATV		0	0.0
lost to all IX		186	4.0

Potential Interfering Stations Included in above Scenario 1

7N OR CHEMULT, ETC.	BLTTV	19800424IC	LIC
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