

INTERFERENCE ANALYSIS FOR K02JL, LA PINE, OR, DIGITAL COMPANION CHANNEL (CHANNEL 23)

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: k02jl23f, Model: Longley-Rice

Study build station data: LMS TV 2021-03-03

Proposal: K02JL23F D23 LD APP LA PINE, OR
File number: k02jl23f
Facility ID: 36176
Station data: User record
Record ID: 3673
Country: U.S.
Zone: II

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KMCB	D22	DT	CP	COOS BAY, OR	BLANK0000035789	219.7 km
No	KMCB	D22	DT	LIC	COOS BAY, OR	BLCDT20030717ACA	219.7
No	K22HO-D	D22	LD	LIC	COTTAGE GROVE, OR	BLDTT20090330AAP	130.4
No	K22IL-D	D22	LD	LIC	PRINEVILLE, ETC., OR	BLDTT20091202ACB	95.3
No	K22MB-D	D22	LD	LIC	ROSEBURG, OR	BLANK0000059570	163.8
No	KPXG-TV	D22	DT	LIC	SALEM, OR	BLCDT20110715ACN	232.7
No	K22GX-D	D22	LD	LIC	TRI CITY, OR	BLDTT20120607ADL	171.6
No	K44JF-D	D23	LD	LIC	CRESCENT CITY, CA	BLANK0000055353	292.3
No	KRDT-CD	D23	DC	CP	REDDING, CA	BLANK0000036140	353.3
No	KRDT-CD	D23	DC	LIC	REDDING, CA	BLDTA20110620AEA	345.0
No	K13LO	D23	LD	CP	YREKA, ETC., CA	BDISDTT20110812ACR	235.5
No	NEW	D23	LD	APP	BOISE, ID	BNPDTL20090825BBG	375.8
No	NEW	D23	LD	APP	BOISE, ID	BNPDTL20090825BNQ	428.4
No	KRXI-TV	D23	DT	LIC	RENO, NV	BLANK0000067482	468.2
No	K23GK-D	D23	LD	LIC	ASTORIA, OR	BLDTT20100723AFZ	351.4
No	K23GK-D	D23	LD	CP	ASTORIA, OR	BPDTT20120202ABH	351.4
No	K23ME-D	D23	LD	LIC	CAMAS VALLEY, OR	BLDTT20120510ABB	203.0
No	K23KD-D	D23	LD	LIC	COOS BAY, ETC., OR	BLDTT20110524AGT	219.7
No	KEVU-CD	D23	DC	LIC	EUGENE, OR	BLANK0000129446	140.5
No	KEZI	D23	LD	LIC	EUGENE, OR	BLCDT20120620AAA	169.4
No	K23KS-D	D23	LD	CP	GRANTS PASS, OR	BNPDTL20090825BGN	196.8
No	K23OV-D	D23	LD	LIC	Hood River, OR	BLANK0000070280	232.8
No	K23PA-D	D23	LD	CP	KLAMATH FALLS, OR	BLANK0000072101	173.4
No	K23DB-D	D23	LD	LIC	LA GRANDE, OR	BLANK0000004187	346.3
No	K38CZ-D	D23	LD	LIC	LINCOLN CITY/NEWPORT, OR	BLANK0000078959	242.1
No	K23OS-D	D23	LD	LIC	LONDON SPRINGS, OR	BLANK0000116973	133.8
No	K23EX-D	D23	DC	LIC	MEDFORD, OR	BLDTA20131125BZO	191.0
No	K23FH-D	D23	LD	LIC	MILTON-FREEWATER, OR	BLDTT20110902ABY	348.3
No	KGWZ-LD	D23	LD	LIC	PORTLAND, OR	BLANK0000122156	232.7
No	K23CU-D	D23	LD	LIC	PRINEVILLE, OR	BLDTL20091014AAG	95.4
No	K47CD-D	D23	LD	LIC	Rockaway Beach, OR	BLANK0000062851	305.8
No	K50KK-D	D23	LD	LIC	ELLENSBURG, WA	BLANK0000063098	368.0
No	K23JU-D	D23	LD	LIC	PROSSER, WA	BLDTL20100504ALB	311.2
No	KIRO-TV	D23	DT	LIC	SEATTLE, WA	BLANK0000126350	448.5
No	K23PG-D	D23	LD	CP	YAKIMA, WA	BNPDTL20090825ANG	327.8
No	K44JP-D	D24	LD	LIC	COTTAGE GROVE, OR	BLANK0000066928	130.4
No	K24FH-D	D24	LD	LIC	GLIDE, ETC., OR	BLDTT20091125AAS	135.3
No	K24KG-D	D24	LD	LIC	MADRAS, OR	BLDTT20120430ACW	105.6
No	KATU	D24	DT	CP	PORTLAND, OR	BLANK0000033626	231.7
No	K24JE-D	D24	LD	LIC	SUNRIVER, OR	BLANK0000004689	25.5
No	KPWC-LD	D24	LD	LIC	TILLAMOOK, OR	BLANK0000007284	215.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23
Mask: Stringent
Latitude: 43 39 0.40 N (NAD83)
Longitude: 121 25 48.00 W
Height AMSL: 1454.9 m (Adjusted based on actual ground elevation calculation)
HAAT: 33.0 m
Peak ERP: 0.280 kW
Antenna: KAT-1x2 750 10210 280.0 deg

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Elev Pattnr: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.090 kW	145.0 m	21.8 km
45.0	0.007	-169.3	5.4
90.0	0.002	-176.4	4.1
135.0	0.005	-75.2	4.8
180.0	0.025	72.8	11.2
225.0	0.246	148.8	27.2
270.0	0.231	155.3	27.3
315.0	0.242	160.7	27.9

Distance to Canadian border: 533.8 km

Distance to Mexican border: 1276.9 km

Conditions at FCC monitoring station: Ferndale WA

Bearing: 352.1 degrees Distance: 596.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 100.7 degrees Distance: 1391.0 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	K02JL23F	D23	LD	APP	LA PINE, OR	k02jl23f			
Undesireds:	K23CU-D	D23	LD	LIC	PRINEVILLE, OR	BLDTL20091014AAG	95.4 km		
Service area		Terrain-limited		IX-free		Percent IX			
1135.5	15,689	1067.5	15,686	1066.5	15,686	0.10	0.00		
Undesired				Total IX	Unique IX	Prcnt Unique IX			
K23CU-D	D23	LD	LIC	1.0	0	1.0	0	0.10	0.00
