

Figure 3 K29KU-LD MINOR CHANGE APP - FCC TVSTUDY SUMMARY REPORT

CELL SIZE 1.0 KM

PROFILE SPACING 1.0

Study build station data: LMS TV 2023-02-22

Proposal: K29KU-D D29 LD APP BEND, OR
File number: K29KU APP BEND OR
Facility ID: 190345
Station data: User record
Record ID: 686
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	K28MH-D	D28	LD	LIC	BEND, OR	BLANK0000165597	47.2 km
Yes	K28MH-D	D28	LD	CP	BEND, OR	BLANK0000177436	47.2
No	K28QU-D	D28	LD	CP	EUGENE, OR	BNPDTL20090825BFA	126.1
No	KVAL-TV	D28	DT	CP	EUGENE, OR	BLANK0000156960	126.7
No	K28QR-D	D28	LD	LIC	LA PINE, OR	BLANK0000152575	44.8
Yes	K28OV-D	D28	LD	LIC	MADRAS, OR	BLANK0000063058	66.4
No	K28KI-D	D28	LD	LIC	ROSEBURG, OR	BLDTL20130710ACC	170.0
No	KECA-LD	D29	LD	LIC	EUREKA, CA	BLDTL20130211ACK	419.8
No	K29KR-D	D29	LD	LIC	CAMAS VALLEY, OR	BLDTT20121025ABP	215.0
No	K29NI-D	D29	LD	LIC	CAVE JUNCTION, OR	BLANK0000068674	263.3
No	KEPB-TV	D29	DT	LIC	EUGENE, OR	BLEDT20050127AHY	126.7
No	K29JN-D	D29	LD	LIC	GOLD BEACH, OR	BLDTT20110513AAO	294.0
No	KDKF	D29	DT	LIC	KLAMATH FALLS, OR	BLCDT20080215APO	216.9
No	K29EL-D	D29	LD	LIC	LA GRANDE, OR	BLDTT20120625ABJ	331.3
No	K29EG-D	D29	LD	LIC	MILTON, ETC, OR	BLDTT20101122AJO	324.9
No	K29AZ-D	D29	LD	LIC	NEWPORT, OR	BLDTT20111208ABT	215.0
No	K29LL-D	D29	LD	LIC	PHOENIX, TALENT, OR	BLANK0000064257	218.1
No	KOPB-TV	D29	LD	LIC	PORTLAND, OR	BLANK0000149856	185.4
No	KJYY-LD	D29	LD	LIC	PORTLAND, OR	BLANK0000165307	176.0
No	KJYY-LD	D29	LD	CP	PORTLAND, OR	BLANK0000189508	188.9
No	K29LW-D	D29	LD	LIC	ROCKAWAY BEACH, OR	BLANK0000063315	267.5
Yes	K29NO-D	D29	LD	LIC	THE DALLES, OR	BLANK0000068895	187.9
No	K29IA-D	D29	LD	LIC	CENTRALIA, ETC., WA	BLDTT20090618ABC	303.2
No	K29IB-D	D29	LD	LIC	GRAYS RIVER, ETC., WA	BLDTT20100511ACN	311.4
No	KRLB-LD	D29	LD	CP	RICHLAND, ETC, WA	BLANK0000029420	298.7
No	KRLB-LD	D29	LD	LIC	RICHLAND, ETC, WA	BLANK0000196526	298.7
Yes	KCYU-LD	D29	LD	LIC	YAKIMA, WA	BLANK0000072828	287.3
No	KOAB-TV	D30	LD	LIC	BEND, OR	BLEDT20111104AIS	83.3
No	K30OC-D	D30	LD	LIC	COTTAGE GROVE, OR	BLANK0000063681	124.7
No	K30JT-D	D30	LD	LIC	LA PINE, OR	BLANK0000152579	44.8
No	KPDX	D30	DT	LIC	VANCOUVER, WA	BLANK0000107795	190.0
No	K32CC-D	N32	TX	LIC	MONTGOMERY RANCH,ETC, OR	BLTT19881013IC	19.4
No	DK33AG	N33	TX	APP	BEND, OR	BLTTL19871223ID	16.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
Mask: Full Service
Latitude: 44 2 48.00 N (NAD83)
Longitude: 121 31 54.00 W
Height AMSL: 1832.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: KAT-2x2 750 10210 25.0 deg
Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.2 kW	439.3 m	61.1 km
45.0	8.21	606.4	64.8
90.0	11.4	576.4	66.0
135.0	0.379	473.7	42.2
180.0	0.006	194.4	12.1

225.0	0.013	21.2	6.0
270.0	0.188	-75.8	11.5
315.0	9.13	-77.8	27.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 270 m

Distance to Canadian border: 489.1 km

Distance to Mexican border: 1321.5 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 352.2 degrees Distance: 551.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 102.3 degrees Distance: 1407.7 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%

Proposal causes 0.06% interference to BLANK0000165597 LIC scenario 1
Proposal causes no interference to BLANK0000177436 CP
Proposal causes no interference to BLANK0000063058 LIC
Proposal causes 0.01% interference to BLANK0000068895 LIC scenario 1
Proposal causes no interference to BLANK0000072828 LIC

---- Below is IX received by proposal K29KU APP BEND OR ----

Proposal receives 0.30% interference from scenario 2

No IX check failures found.