

Fig 1: Channel Interference

KZML-FM1 Wenatchee, Washington 240D

REFERENCE CH# 240D - 95.9 MHz, Pwr= 0.9 kW DA, HAAT= -58.8 M, COR= 632 M DISPLAY DATES  
 47 22 51.40 N. DATA 02-13-24  
 120 17 18.80 W. SEARCH 02-17-24  
 Average Protected F(50-50)= 9.9 km  
 Standard Directional

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
240C2 KZML Quincy		LIC NCN WA		100.3 280.6	37.35 BLH20030321ABM	47 19 12.40 119 48 03.10	11.000 320	894	---Reference---		Bustos Media Holdings, LLC
240D KZML-FM1 Wenatchee		LIC _CN WA		30.0 210.0	2.07 BLFTB20051017AAB	47 23 49.50 120 16 29.30	1.900	315	---Reference---		Bustos Media Holdings, LLC
237C1 KXLE-FM Ellensburg		LIC _CN WA		237.8 57.4	45.20 BLH20040217ACW	47 09 47.40 120 47 40.30	51.000 125	5.9 949	26.6 Ellensburg Radio Broadcast	37.9	5.4
294A KKWN« Cashmere		STA _CN WA		326.6 146.5	16.63 0000197119	47 30 20.40 120 24 37.20	6.000 -73	101.0 604	39.4 Townsquare License, LLC	9.5R	7.1M
294A KKWN« Cashmere		LIC _CN WA		326.6 146.5	16.63 BLH19931112KC	47 30 20.40 120 24 37.20	6.000 -73	101.0 604	39.4 Townsquare License, LLC	9.5R	7.1M
237C3 KXLE-FM Ellensburg		CP _CN WA		192.0 11.9	56.10 0000216193	46 53 14.20 120 26 33.20	1.700 380	2.7 1013	45.1 Ellensburg Radio Broadcast	46.1	10.1
238D K238CH Ephrata		LIC _CN WA		99.0 279.5	52.61 0000132201	47 18 17.50 119 35 57.10	0.250	1.1 717	7.1 Centro Familiar Cristiano	16.5	35.7
239C KJEB Seattle		LIC NCN WA		278.2 96.9	137.98 BLH20010206AAB	47 32 39.40 122 06 30.40	100.000 387	113.9 512	77.0 Ihm Licenses, LLC	20.3	55.3
237D K237AW Chelan		LIC _HN WA		21.8 202.0	51.02 BLFT19860606TD	47 48 24.40 120 02 05.20	0.053 544	0.5 1180	19.3 Dr. Mike Isenhardt	29.7	29.2
243C KJAQ Seattle		LIC NCN WA		276.8 95.6	127.09 0000123036	47 30 16.70 121 58 07.80	66.000 696	12.6 930	88.6 Ihm Licenses, LLC	104.9	37.7
237C3 KXLE-FM Cle Elum		APP DCN WA		237.8 57.4	45.19 0000233233	47 09 47.30 120 47 39.80	0.003	0.0 906	0.4 Ellensburg Radio Broadcast	40.9	44.5
242C2 KRCW Royal City		LIC _CN WA		131.6 312.3	102.45 BLH19990910AAE	46 45 54.50 119 16 55.00	19.500 241	6.2 531	55.3 Bustos Media Holdings, LLC	67.2	45.6
239C KKS Walla Walla		LIC _CN WA		133.1 314.6	224.09 BLH19811222AI	45 59 03.40 118 10 11.80	100.000 427	145.8 1221	100.3 Smg - Tri-Cities, LLC	48.6	104.3
243D K243CD Brewster		LIC _CN WA		17.9 198.1	74.26 BLFT20180615AAT	48 00 58.50 119 58 55.20	0.010	0.2 1596	14.5 Divine Mercy Broadcasting	51.5	57.8
241D K241CV Yakima		LIC _CN WA		185.1 5.1	96.85 BLFT20190717AAR	46 30 47.50 120 24 07.20	0.180	21.2 666	13.8 Thomas W. Read	68.0	69.3
240C2 KRSX Goldendale		LIC _CN WA		199.2 18.6	196.10 BLH20160223ABY	45 42 42.40 121 07 03.20	2.200 601	123.0 987	46.6 Gorge Country Media, Inc.	70.3	127.2
241C KFOO-FM Opportunity		LIC _CN WA		83.8 266.2	241.79 BMLH20141112AIN	47 34 13.60 117 04 58.70	60.000 744	137.6 1591	93.8 Ihm Licenses, LLC	70.4	102.8
241C KXXO Olympia		LIC ZCN WA		259.2 77.1	220.17 BLH20150828ABN	46 58 22.40 123 08 22.50	37.000 717	127.8 917	87.5 3 Cities, Inc.	86.3	126.9
239D K239CS Sunnyside		LIC _CN WA		170.6 350.8	118.38 0000143287	46 19 48.50 120 02 14.20	0.250	10.1 332	7.1 Centro Familiar Cristiano	96.2	100.1

Terrain database is USGS 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 In & Out distances between contours are shown at closest points. Reference zone= - ZN2, Co to 3rd adjacent.  
 All separation margins (if shown) include rounding.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

« = Station meets FCC minimum distance spacing for its class.

Reference station has protected zone issue: Canada