

Gray Frierson Haertig & Assoc.  
Portland, Oregon

All Classical Public Media, Inc.  
Portland, Oregon

REFERENCE CH# 210C2 - 89.9 MHz, Pwr= 5.9 kW DA, HAAT= 439.8 M, COR= 529 M DISPLAY DATES  
45 30 58.0 N. Average Protected F(50-50)= 53.44 km DATA 03-22-11  
122 43 59.0 W. Standard Directional SEARCH 03-22-11

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
210C2	KOAC Portland	LIC _C_ OR	0.0 0.0	0.0 BLED20110114ACI	45 30 58.0 122 43 59.0	5.200 440	129.5 529	53.2 All Classical Public Media	-183.9*	-184.8*
06-T	KOXX-CA Newberg	CPM _N OR	305.5 125.5	1.2 BMPTVA20090605ABJ	45 31 21.0 122 44 45.0	1.500 479	41.2 525	36.8 Watchtv, Inc.	78.0R	-76.7M
211A	KAJC Salem	LIC DCX OR	204.9 24.5	92.6 BLED20050124AHZ	44 45 33.0 123 13 34.0	0.560 39	15.4 150	10.8 Calvary Chapel	23.0	0.4 Monmouth-in
209C0	KLCC Eugene	LIC _EN OR	190.2 10.0	171.0 BLED19900313KB	44 00 05.0 123 06 48.0	81.000 354	115.8 546	78.2 Lane Community College	0.9	11.2
211A	KHRV Hood River	LIC _CX OR	80.1 261.0	99.9 BLED20101109ABT	45 39 45.0 121 28 14.0	0.065 227	21.6 650	14.3 Oregon Public Broadcasting	23.7	3.7
212A	KSLC Mcminville	LIC DCX OR	227.7 47.3	59.1 BLED20110107ADP	45 09 28.0 123 17 22.0	0.750 102	1.6 236	21.9 Linfield College	4.6	32.6
210C2	KKJA Redmond	LIC _CX OR	130.0 311.2	184.5 BLED20080725ADE	44 26 17.0 120 57 14.0	0.750 676	117.4 1735	47.2 Calvary Chapel Of Twin Fal	13.4	7.2
212A	KLWO Longview	LIC _VX WA	352.6 172.5	72.5 BLED20070925AGO	46 09 47.0 122 51 14.0	0.400 272	1.4 451	25.6 Educational Media Foundati	17.2	42.3
212A	KWBX Salem	LIC _VX OR	194.2 14.1	72.6 BLED20020326AAB	44 52 57.0 122 57 34.0	0.135 14	0.8 127	9.2 Corban College	17.4	58.9
208A	KJVH Longview Vertically Polarized Only	LIC _VN WA	352.7 172.6	72.7 BLED19870630KA	46 09 52.0 122 51 13.0	0.100 238	0.7 427	17.6 Family Stations, Inc.	18.0	50.5
209A	KOAC-FM Astoria	APP _CX OR	313.4 132.5	122.0 BPED20101119AFG	46 15 46.0 123 53 09.0	0.400 321	41.3 367	27.2 Oregon Public Broadcasting	31.4	21.4
209A	1416845 Chehalis 8/12/2008: Accepted on channel	APP DCX WA	347.9 167.7	118.1 BNPED20071019ARU	46 33 16.0 123 03 26.0	0.380 307	22.5 461	15.0 The Kboo Foundation	41.9	22.3
209A by Industry Canada in 7/22/2008 letter. Note: not specially negotiated.										
208C1	KPFR Pine Grove	LIC DVX OR	104.0 284.7	82.4 BLED20050610AIK	45 19 58.0 121 42 48.0	7.000 510	2.9 1853	55.0 Family Stations, Inc.	25.4	22.8
209A	KOAC-FM Astoria	LIC _CX OR	313.4 132.5	122.0 BLED20100927ABF	46 15 46.0 123 53 09.0	0.180 321	33.7 367	22.5 Oregon Public Broadcasting	39.0	26.1
212C3	KZRI Welches	CP _CX OR	103.9 284.7	82.4 BPED20091125AGG	45 20 01.0 121 42 45.0	0.235 531	1.1 1877	36.1 Educational Media Foundati	27.3	41.7
212C3	KZRI Welches	LIC _VX OR	103.9 284.7	82.4 BLED20051007ACW	45 20 01.0 121 42 45.0	0.235 531	1.1 1877	36.1 Educational Media Foundati	27.3	41.7
209A	KOTD The Dalles	LIC _CX OR	79.6 260.8	128.0 BLED20080829AAK	45 42 43.0 121 06 58.0	0.012 589	23.1 976	14.8 Oregon Public Broadcasting	50.4	31.3
211A	KZFL Glenoma 4/11/2008: Accepted on channel	CP _EX WA	24.2 204.7	125.5 BNPED20071019ADT	46 32 37.0 122 03 36.0	1.000 -292	14.2 364	10.2 Northwest Indy Radio	55.6	31.7
211A by Industry Canada in 3/12/08 letter, not specially negotiated.										
211A	KZFL Glenoma	APP _VX WA	24.3 204.7	125.5 BMPED20110211AAF	46 32 36.0 122 03 32.0	1.000 -288	14.2 368	10.2 Northwest Indy Radio	55.6	31.7
208A	KTCB Tillamook	LIC _CX OR	267.0 86.2	92.9 BLED20040908AAU	45 27 59.0 123 55 11.0	0.380 351	1.4 448	27.2 Tillikum Foundation	37.0	61.1
212A	KLON Rockaway Beach	LIC _VX OR	276.5 95.7	93.6 BLED20051011ACV	45 36 18.0 123 55 30.0	1.800 104	1.6 218	11.7 Educational Media Foundati	37.6	77.3
207C3	KOAS Warrenton 7/21/2008: Accepted on channel	CP DVX OR	315.1 134.5	93.1 BNPED20071016AGZ	46 06 20.0 123 35 05.0	0.160 588	0.4 834	16.6 All Classical Public Media	44.8	72.3
207B1 by Industry Canada in 7/8/2008 letter. Note: not specially negotiated.										
210A	KGHP Gig Harbor	LIC DEX WA	359.1 179.1	191.7 BLED20061204AHL	47 14 27.0 122 46 16.0	1.350 61	45.7 86	13.0 Peninsula School District	91.6	47.3

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	Page # 2 *IN* (Overlap in km)	*OUT*
207A White Salmon	KBNO-FM	LIC _V_ WA		76.6 257.5	103.1 BLED20010611AFC	45 43 23.0 121 26 42.0	0.016 336	0.3 695	15.1 World Radio Network, Inc.	48.4	83.4
210A Auburn	KGRG-FM	LIC DCN WA		11.3 191.7	197.5 BLED19950127KB	47 15 23.0 122 13 07.0	0.250 112	35.4 207	10.4 Green River Community Coll	107.1	54.5

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone = 2, Co to 3rd adjacent.  
 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 protected contour.  
 « = Station meets FCC minimum distance spacing for its class.  
 Reference station has protected zone issue: Canada- AM tower