

University of Montana - Billings  
Billings, Montana

REFERENCE CH# 203C1 - 88.5 MHz, Pwr= 5.15 kw, HAAT= 575.5 M, COR= 2248 M  
46 44 53.0 N. Average Protected F(50-50)= 59.74 km  
112 19 46.0 W. Omni-directional

DISPLAY DATES  
DATA 02-08-17  
SEARCH 02-15-17

CH CITY	CALL	TYPE STATE	ANT AZI --<	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
203C1 Helena	NEW CP DVX MT	214.1 34.1	0.03 BNPED20071022APB	46 44 52.0 112 19 47.0	5.000 584	146.3 2260	65.0	-196.0*	-187.2*	
9/24/2008: Accepted on channel 203C1 by Industry Canada in 9/5/2008 letter. Note: not specially negotiated. 6/23/2014:										
06 2C Butte	KTVM-TV LI _HN MT	186.0 5.9	82.78 BLCDT20100629AVB	46 00 27.0 112 26 30.0	19.200 591	77.3 2566	107.1	184.4R	-101.6M	
201A Montana City	NEW CP DVX MT	123.8 304.1	37.96 BNPED20071018ADT	46 33 26.0 111 55 01.0	0.180 7	0.5 1381	11.5	-25.7*	21.9	
7/29/2008: Accepted on channel 202C1 by Industry Canada in 7/14/2008 letter. Note: not specially negotiated. 7/29/2014: Accepted on channel 201A (46-33-26 N, 111-55-01 W) by Industry Canada in 7/25/2014 e-mail letter. Note: not short-spaced. 8/13/2014: Paper copy of acceptance with same date.										
206C3 East Helena	KYPH LIC DVX MT	79.6 260.0	48.40 BLED20111013AAW	46 49 30.0 111 42 13.0	0.140 668	0.7 2383	35.4	-20.4*	7.8	
203A Bozeman	KOFK-FM CP _EX MT	140.6 321.5	155.72 BMPED20150205AAN	45 39 33.3 111 03 22.2	2.000 -71	77.6 1546	25.8	18.3	-9.9	
204A Choteau	KUDI LIC _CX MT	6.4 186.5	112.75 BLED20130614ACE	47 45 21.0 112 09 42.0	0.330 138	22.7 1353	12.8	25.5	0.1	
202C2 Missoula	KJCG LIC _VX MT	273.3 92.1	125.26 BLED20100528AAA	46 48 06.0 113 58 22.0	1.000 620	65.2 1899	35.3	5.9	4.8	
6/8/2010: Proposed as Class B to Canada 971126. Accepted by Canada 971217 at coordinates 46 48 09, 113 58 21, See BPED-19970716MA.										
204D Seeley Lake	K204GL LIC _V_ MT	297.4 116.5	102.25 BLFT20160815ABY	47 09 54.0 113 31 50.0	0.075 1514	20.8	13.2	26.4	6.6	
203D Livingston	K203AG LIC DC_ MT	133.6 314.8	167.59 BLFT20070228ABV	45 41 49.0 110 46 03.0	0.250 389	52.0 2222	14.4	57.1	6.9	
205C1 Butte	KFRD LIC _VX MT	186.0 5.9	82.78 BMLD20130716AAS	46 00 27.0 112 26 30.0	2.800 527	3.4 2507	52.1	28.3	25.7	
205A Great Falls	KGFC LIC _CX MT	42.4 223.1	108.55 BLED20090923AAB	47 27 52.4 111 21 17.8	6.000 74	2.6 1142	27.3	37.7	75.9	
203C1 Rocky Boy's Reserv.	KHEW LIC _CX MT	50.3 232.3	254.28 BLED20111014ABQ	48 10 42.0 109 41 21.0	16.000 481	144.9 1850	61.3	41.6	38.5	
201C2 Belt	KGFJ LIC _CX MT	65.0 245.9	110.02 BLED20140618ABL	47 09 34.0 111 00 39.0	0.730 597	1.8 2158	35.5	40.8	67.2	
204A Victor	KXEH LIC _VX MT	249.2 67.8	156.85 BLED20121212AAZ	46 13 48.0 114 14 08.0	1.200 100	68.3 1696	45.1	41.7	43.4	

Terrain database is NGDC 30 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= - Zone 2, Co to 3rd adjacent.  
All separation margins (if shown) include rounding. Call signs with strikeout need not be protected.  
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